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 1; Rev. 03/27/2025

Notes:
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-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 Leaks:

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/Mile/Year)	Annual Emissions (Mscf)	Explanatory Notes / Comments
Transmission	SoCalGas Territory	PC	All	All	All	All	All	N/A	N/A	N/A	N/A	N/A	0.38	1,261	3,357 Miles - For 2024, the INGAA Greenhouse Gas Emission Estimation Guidelines for Natural Gas Transmission and Storage - Volume 1 GHG Emission Estimation Methodologies and Procedures (September 28, 2005 - Revision 2) - Table 4-4 study provides the best available estimate of emissions for Transmission Pipeline, which includes emissions from Flanges and Valves.
													Sum Total	1,261	

SoCalGas, June 13th, 2025

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In Response to Data Request, R15-01-008 - 2025 June Report

Appendix 1; Rev. 03/27/2025

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
												Sum Total	0	

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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)
BD-2024-1564	93117	1	R	XC	4.75	Pipeline blowdown	1,391.66
BD-2024-1561	93117	1	R	XC	0.27	Pipeline blowdown	78.46
BD-2024-1520	93245	1	R	N	245.66	Pipeline blowdown	
BD-2024-1508	93245	1	R	PR	29.89	Pipeline blowdown	783.14
BD-2024-1507	93250	1	IM	PR	19.49	Pipeline blowdown	
BD-2024-1478	92304	1	IM	M (XC, D)	453.33	Pipeline blowdown	60,888.81
BD-2024-1448	92675	1	IM	XC	63.82	Pipeline blowdown	5,947.89
BD-2024-1340	93277	1	R	PR	43.18	Pipeline blowdown	
BD-2024-1335	92239	1	IM	XC	836.40	Pipeline blowdown	20,425.84
BD-2024-1327	93001	1	R	D	498.47	Pipeline blowdown	
BD-2024-1310	93001	1	R	XC	26.32	Pipeline blowdown	1,956.43
BD-2024-1296	93001	1	R	D	243.06	Pipeline blowdown	
BD-2024-1294	92356	1	IM	XC	65.15	Pipeline blowdown	5,293.25
BD-2024-1289	93013	1	IM	XC	38.34	Pipeline blowdown	7,133.14
BD-2024-1288	93111	1	IM	XC	18.56	Pipeline blowdown	3,452.83
BD-2024-1286	93239	1	R	PR	0.98	Pipeline blowdown	
BD-2024-1279	92363	1	IM	XC	181.07	Pipeline blowdown	12,265.54
BD-2024-1272	93268	1	R	GC	24.60	Pipeline blowdown	553.44
BD-2024-1271	93225	1	R	XC	1.09	Pipeline blowdown	122.44
BD-2024-1270	93001	1	R	D	130.08	Pipeline blowdown	
BD-2024-1253	93215	1	IM	XC	0.00	Pipeline blowdown	5.83
BD-2024-1252	93314	1	IM	XC	0.01	Pipeline blowdown	13.59
BD-2024-1251	91770	1	R	XC	20.91	Pipeline blowdown	2,117.38
BD-2024-1247	93314	1	IM	XC	0.00	Pipeline blowdown	4.18
BD-2024-1245	93314	1	IM	XC	0.00	Pipeline blowdown	4.18
BD-2024-1244	92345	1	R	XC	50.16	Pipeline blowdown	7,020.63
BD-2024-1243	92407	1	R	XC	196.58	Pipeline blowdown	16,428.32
BD-2024-1238	92028	1	IM	XC	0.35	Pipeline blowdown	64.75
BD-2024-1235	92585	1	IM	M (PR, XC)	0.35	Pipeline blowdown	64.75
BD-2024-1233	91710	1	R	M (XC, D)	614.09	Pipeline blowdown	16,031.25
BD-2024-1224	93001	1	R	D	167.24	Pipeline blowdown	
BD-2024-1221	90040	1	IM	XC	7.85	Pipeline blowdown	795.24
BD-2024-1220	92585	1	IM	XC	0.19	Pipeline blowdown	51.87
BD-2024-1215	93303	1	R	XC	2.24	Pipeline blowdown	328.70
BD-2024-1213	93110	1	R	D	40.08	Pipeline blowdown	11,155.95
BD-2024-1205	92251	1	R	PR	1.49	Pipeline blowdown	
BD-2024-1201	92356	1	IM	XC	381.30	Pipeline blowdown	17,246.60
BD-2024-1200	91384	1	IM	XC	20.88	Pipeline blowdown	2,114.34
BD-2024-1193	92555	1	R	XC	669.07	Pipeline blowdown	5,838.69
BD-2024-1173	90040	1	IM	XC	37.77	Pipeline blowdown	3,824.75
BD-2023-1158	91607	1	R	M (XC, D)	8.63	Pipeline blowdown	1,094.73
BD-2023-1145	92365	1	IM	M (XC, D)	751.32	Pipeline blowdown	73,397.27
BD-2023-1063	92304	1	R	XC	73.51	Pipeline blowdown	10,336.17
BD-2023-934	93013	1	R	XC	26.63	Pipeline blowdown	3,159.49
BD-2023-890	92236	1	R	XC	493.44	Pipeline blowdown	62,329.58
BD-2025-1844	90049	1	R	M (XC, D)	1,954.04	Pipeline blowdown	490.90
BD-2024-1654	92567	1	R	XC	284.58	Pipeline blowdown	9,328.70
BD-2024-1278	93013	1	R	XC	58.15	Pipeline blowdown	2608.80
BD-2025-1897	92256	1	IM	XC	57.39	Pipeline blowdown	3810.82
BD-2023-815	93021	1	IM	XC	13.01	Pipeline blowdown	1093.97
BD-2024-1569	93263	1	R	XC	0.80	Pipeline blowdown	108.80
BD-2024-1142	90058	1	IM	XC	4.99	Pipeline blowdown	0.57
BD-2025-1896	90640	1	R	XC	9.53	Pipeline blowdown	1594.20
NA	Various Locations	29			0.73	Meter Inspections - 25 scf/inspection	
NA	Various Locations	11			0.02	Analyzers & Gas chromatograph 2 scf/inspection	

NA	Various Locations	597		17.91	Filter Change-outs or Filter Inspections w/parts replacement - Estimated avg. gas vented = 30 scf/inspection	
NA	Various Locations	57		1.14	Relief Valve Inspections at Transmission Pipeline - Estimated avg. gas vented = 20 scf/inspection	
NA	Various Locations	318		0.64	LineBreaks - Estimated avg. gas vented = 2 scf/insp	
NA	Various Locations	87		72.50	Drips - Pipeline Drip Accumulation - Estimated avg. gas vented = 10,000 cfh for 5min/device	
NA	Various Locations	621		1.24	Pneumatic Device Annual Inspections (actuators & Controllers) - Estimated avg. gas vented = 2 scf/insp	
NA	Various Locations	808		2.11	Transmission Odor Intensity Tests	
NA	Various Locations	260	XC	123.54	Pigging Operation Launcher/Receiver Emissions	2,620.56

Sum Total	**9,091**

SoCalGas, June 13th, 2025

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Appendix 1; Rev. 03/27/2025

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 intential 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
1	P		I	FISHER	0.0576	21.08	Controller
1	P		I	FISHER	0.0576	21.08	Controller
1	P		I	FISHER	0.0576	21.08	Controller
1	P		I	FISHER	0.0576	21.08	Controller
1	P		I	FISHER	0.0576	21.08	Controller
1	P		I	MOONEY	0.0576	21.08	Controller
1	P		I	FISHER	0.0576	21.08	Controller
1	P		I	BARTON	0.0576	21.08	Controller
1	P		I		0.0576	21.08	Controller
1	P		I		0.0576	21.08	Controller
1	P		I		0.0576	21.08	Controller
1	P		I		0.0576	21.08	Controller
1	P		I		0.0576	21.08	Controller
1	P		I		0.0576	21.08	Controller
1	P		I	BECKER	0.0576	21.08	Controller
1	P		I		0.0576	21.08	Controller
1	P		I		0.0576	21.08	Controller
1	P		I	BECKER	0.0576	21.08	Controller
1	P		I	BECKER	0.0576	21.08	Controller
1	P		I		0.0576	21.08	Controller
1	P		I		0.0576	21.08	Controller
1	P		I		0.0576	21.08	Controller
1	P		I		0.0576	21.08	Controller
1	P		I		0.0576	21.08	Controller
1	P		I		0.0576	21.08	Controller
1	P		I		0.0576	21.08	Controller
1	P		I	BECKER	0.0576	21.08	Controller
1	P		I	FISHER	0.0576	21.08	Controller
1	P		I	BECKER	0.0576	21.08	Controller
1	P		I	GENELECT	0.0576	21.08	Controller
1	P		I	BECKER	0.0576	21.08	Controller
1	P		I	GENELECT	0.0576	21.08	Controller
1	P		I	VERSA	0.0576	21.08	Controller
1	P		I	FISHER	0.0576	21.08	Controller
1	P		I	VRG	0.0576	21.08	Controller
1	P		I	BECKER	0.0576	21.08	Controller
1	P		I	VRG	0.0576	21.08	Controller
1	P		I	VRG	0.0576	21.08	Controller
1	P		I	VRG	0.0576	21.08	Controller
1	P		I		0.0576	21.08	Controller
1	P		I		0.0576	21.08	Controller
1	P		I	BECKER	0.0576	21.08	Controller
1	P		I	GENELECT	0.0576	21.08	Controller
1	P		I	VRG	0.0576	21.08	Controller
1	P		I		0.0576	21.08	Controller
1	P		I		0.0576	21.08	Controller
1	P		I	VERSA	0.0576	21.08	Controller
1	P		I	BECKER	0.0576	21.08	Controller
1	P		I	BECKER	0.0576	21.08	Controller
1	P		I	VRG	0.0576	21.08	Controller
1	P		I		0.0576	21.08	Positioner
1	P		I	BETTIS	0.0576	21.08	Positioner
1	P		I		0.0576	21.08	Positioner
1	P		I	BECKER	0.0576	21.08	Positioner
1	P		I	BETTIS	0.0576	21.08	Positioner
1	P		I	BETTIS	0.0576	21.08	Positioner
1	P		I		0.0576	21.08	Positioner
1	P		I	VRG	0.0576	21.08	Positioner
1	P		I	PMV	0.0576	21.08	Positioner
1	P		I	VRG	0.0576	21.08	Positioner
1	P		I	PMV	0.0576	21.08	Positioner
1	P		I	VRG	0.0576	21.08	Positioner
1	P		I		0.0576	21.08	Positioner
1	P		I		0.0576	21.08	Positioner
1	P		I		0.0576	21.08	Positioner
1	P		I	WESTLOCK	0.0576	21.08	Positioner
1	P		I		0.0576	21.08	Positioner
1	P		I		0.0576	21.08	Positioner
1	P		I	BRISTOL	0.0576	21.08	Positioner
1	P		I	BRISTOL	0.0576	21.08	Positioner
1	P		I		0.0576	21.08	Positioner
1	P		I		0.0576	21.08	Positioner
1	P		I		0.0576	21.08	Positioner
1	P		I	ADALET	0.0576	21.08	Positioner
1	P		I	VRG	0.0576	21.08	Positioner
1	P		I	VRG	0.0576	21.08	Positioner
1	P		I	BRISTOL	0.0576	21.08	Positioner
1	P		I	BECKER	0.0576	21.08	Positioner
1	P		I	BECKER	0.0576	21.08	Positioner
1	P		I	DRESSER	0.0576	21.08	Positioner
1	P		I	FISHER	0.0576	21.08	Positioner
1	P		I		0.0576	21.08	Positioner

Sum Total	1,750

SoCalGas, June 13th, 2025

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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:

12/31/2024 1/1/2024

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	Prior Survey Date (DD/MM/YYY)
8319748		91607	O			6/6/2023	4/17/2024	108			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	5/1/2023
8323556		91786	O			6/10/2023	5/22/2024	143			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	5/23/2023
8330281		90744	O			6/15/2023	5/23/2024	144			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	12/5/2022
8332258		93204	O			6/30/2023	6/28/2024	180			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	5/23/2023
8333084		93252	O			7/6/2023	7/3/2024	185			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	3/13/2023
8359485		92223	O			7/26/2023	7/25/2024	207			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	3/16/2023
8381102		92054	O			8/9/2023	7/30/2024	212			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	3/27/2023
8390843		91770	O			9/5/2023	8/22/2024	235			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	2/3/2023
8390854		93036	O			9/7/2023	9/5/2024	249			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	4/25/2023
8463108		92262	O			11/8/2023	9/11/2024	255			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	10/30/2023
8483448		92553	O			12/11/2023	10/24/2024	298			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	8/23/2023
8488318		90293	O			12/4/2023	11/19/2024	324			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	9/13/2023
8548027		91387	O			2/20/2024	2/20/2024	51			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	9/15/2023
8554450		92054	O			2/22/2024	8/1/2024	214			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	9/18/2023
8554642		91367	O			2/29/2024	5/2/2024	123			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	9/19/2023
8555892		91367	O			3/5/2024	3/5/2024	61			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	1/5/2024
8575847		92868	O			3/5/2024	3/5/2024	65			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	9/6/2023
8663895		92821	O			6/24/2024	9/11/2024	184			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	3/12/2024
8791539		92008	O			11/9/2024	11/12/2024	231			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	3/27/2024
8302098		92243	O			5/25/2023	1/25/2025	366			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	11/8/2022
8303543		92553	V			5/30/2023	11/18/2025	366			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	2/21/2023
8554315		93268	V			2/8/2024	2/20/2025	366			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	9/15/2023
8546702		93277	V			2/12/2024	2/5/2025	366			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	10/24/2023
8555650		91354	V			3/4/2024	4/1/2025	338			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	1/29/2024
8580801		93308	V			3/13/2024	3/2/2026	296			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	3/11/2024
8579912		92553	O			3/25/2024		288			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	3/19/2024
8599300		90245	V			4/16/2024	4/1/2025	281			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	3/26/2024
8622470		93277	V			4/23/2024	8/26/2025	359			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	1/8/2024
8623056		90745	V			4/23/2024	4/3/2025	359			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	1/8/2024
8607086		90745	O			5/1/2024	5/7/2025	359			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	1/8/2024
8626053		90002	V			5/15/2024	5/15/2025	236			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	5/10/2024
8635906		91331	O			6/6/2024	3/18/2025	308			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	2/28/2024
8680815		93268	V			7/11/2024	5/5/2025	307			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	2/29/2024
8687063		93252	V			7/13/2024	6/17/2025	307			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	2/29/2024
8720003		91355	C			8/20/2024	7/17/2025	251			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	4/25/2024
8738512		93254	V			9/10/2024	6/17/2025	208			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	6/7/2024
8739572		91367	V			9/11/2024	2/4/2025	362			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	1/5/2024
8761493		91331	O			10/11/2024	1/16/2025	362			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	1/5/2024
8795771		93001	P			11/21/2024	4/9/2025	112			Component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.	9/11/2024
									Sum Total	0		

SoCalGas, June 13th, 2025

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Transmission Pipeline Odorizers:

ID	Geographic Location	Number of Units	Emission Factor (Mscf/yr)	Annual Emission (Mscf)	Explanatory Notes / Comments
Gas Quality Equipment	SoCalGas Territory	46		52.15	Transmission (BTU, Gas Quality), Gas Chromatographs (GC). Use manufacturing specs. See Notes in Appendix 9.
Gas Quality Equipment	SoCalGas Territory	37		564.89	Located in Storage, GCs and Gas Analyzers. Use manufacturing specs. See Notes in Appendix 9.
Gas Quality Equipment	SoCalGas Territory	21		354.63	Transmission (Interstate, Interutilities), GCs and Gas Analyzers. Use manufacturing specs. See Notes in Appendix 9.
Gas Quality Equipment	SoCalGas Territory	96		1,556.03	Transmission (Producers), Gas Analyzers. Use manufacturing specs. See Notes in Appendix 9.
Gas Quality Equipment	SoCalGas Territory	31		0.44	Transmission (Producers), Gas Sample/Quality Tests. Use manufacturing specs. See Notes in Appendix 9.
Gas Quality Equipment	SoCalGas Territory	42		43.10	Big GEMs, GCs and Gas Analyzers. Use manufacturing specs. See Notes in Appendix 9.
Odorizer	SoCalGas Territory	37		247.53	YZ Odorizer. Use manufacturing specs. See Notes in Appendix 9.
			Sum Total	**2,819**	

Component Fugitive Leaks

Removed	Added	Moved to Appendix 2
	8795771	8691518
	8622470	

Header column "Comment" boxes displayed below for reference.	
Column Heading	Description and Definition of Required Contents (IF not self-explanatory)
Pipeline Leaks	
ID	
Geographic Location	GIS, zip code, or equivalent
Pipe Material	PB = cathodically protected steel, bare PC = cathodically protected steel, coated UB = unprotected steel, bare UC = unprotected steel, coated
Pipe Size (nominal)	
Pipe Age (months)	
Pressure (psi)	MOP = maximum operating pressure over the past year
Leak Grade	1 = grade 1 2 = grade 2 2+ = grade 2+ 3 = grade 3 AH = Above Ground Hazardous synonoumous with Grade 1. AN = Above Ground Non-Hazardous AM = Above Ground Non-Hazardous Minor (akin to grade 3 below ground leak). N = non-graded or ungraded
Above Ground or Below Ground	A = above ground B = below ground
Discovery Date (MM/DD/YY)	
Repair Date (MM/DD/YY)	Date that the pipeline repair stopped the leak. Any associated blowdowns resulting from the repair should be included in the blowdowns tab.
Scheduled Repair Date (MM/DD/YY)	If leak is open, specify the scheduled date of repair, or type "M," signifying that the leak is being monitored with no scheduled date of repair. Then, provide the reason for not scheduling a repair in Column for that purpose.
Reason for Not Scheduling a Repair	If not scheduled for repair (e.g. with a "M" for monitoring the leak in Scheduled Repair Date), then provide the reason for not scheduling a repair.
Number of Days Leaking	If the leak was discovered by survey in the year of interest, then assume leaking from January 1st of subject year thru repair date or December 31st of subject year, which ever is earlier. (E.G. Days Leaking = Repair - Jan 1st + 1 day.) (For days leaking for leaks carried over use January 1st as start date for emissions calculations.) 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.

Appendix 1; Rev. 03/27/2025

Header column "Comment" boxes displayed below for reference.	
Column Heading	Description and Definition of Required Contents (IF not self-explanatory)
Emission Factor (Mscf/Day)	
Annual Emissions (Mscf)	
Explanatory Notes / Comments	
All Damages	
ID	
Geographic Location	GIS, zip code, or equivalent
Damage Type	E = excavation damage N = natural force damage O = other outside force damage
Pipe Material	PB = cathodically protected steel, bare PC = cathodically protected steel, coated UB = unprotected steel, bare UC = unptotected steel, coated
Pipe Size (nominal)	
Pipe Age (months)	
Pressure (psi)	MOP = maximum operating pressure over the past year
Leak Grade	1 = grade 1 2 = grade 2 2+ = grade 2+ 3 = grade 3 N = non-graded or ungraded
Above Ground or Below Ground	AH = above ground, hazardous AN = above ground, non-hazardous B = below ground
Discovery Date (MM/DD/YY)	
Repair Date (MM/DD/YY)	

Header column "Comment" boxes displayed below for reference.	
Column Heading	Description and Definition of Required Contents (IF not self-explanatory)
Number of Days Leaking	If date and time stamp are reliable and used consistently by respondent, then emissions may be calculated based on actual time leaking. E.G. Repair time - damage event time = duration of event. If respondent has average or historical leak duration based on the nature and circumstances of damages, then these may be applied to like damage events. The emissions factors should be adequately supported and explained in the filing. If actual time stamps and historical averages are not available, then whole days should be used in the engineering calculation. The leak begins with the damage event date thru repair date or December 31st of subject year, whichever is later. E.G. Days Leaking = Repair date - date of damage + 1 day.
Emission Factor (Mscf/Day)	
Annual Emissions (Mscf)	
Explanatory Notes / Comments	Provide method of calculation and example of formula. Explain how any EF's used were derived.
Tab: Blowdowns	
ID	
Geographic Location	GIS, zip code, or equivalent
Number of Blowdown Events	
Reason	Maintenance (M) Repair or Replacement (R) Integrity Management (IM) Pressure Reduction or Deactivation (PR) Other (O) In the case of Other(O), please provide a description of the reason.
Emission Reduction Strategy	Drafting (D) Cross Compression (XC) Gas Capture (GC) Flaring or Thermal Oxidation (FTO) Project Bundling (PB) Multiple Methods (M) None (N) Other (O) In the case of Multiple Methods (M), please list each method. In the case of Other (O), please provide a description of the strategy.

Header column "Comment" boxes displayed below for reference.	
Column Heading	Description and Definition of Required Contents (IF not self-explanatory)
Annual Emissions (Mscf)	
Explanatory Notes / Comments	
Methane Abatement (Mscf)	
Tab: Component Vented Emissions	
Total Number of Devices	
Device Type	P = pneumatic device H = Hydraulic valve operator T = turbine valve operator PR = pressure relief valve O = other devices
Bleed Rate	L = low bleed I = intermittent bleed H = high bleed NA = not applicable
Manufacturer	
Emission Factor (Mscf/day)	
Annual Emissions (Mscf)	Because the emissions are a factor of design or function, these emissions counted for the entire year. E.G. 365 days times the actual volume emitting if known, or the approved Emissions Factor.
Explanatory Notes / Comments	Note whether the emissions are based on actual volumetric measures.
Component Fugitive Leaks	
ID	
Geographic Location	GIS, zip code, or equivalent
Device Type	P = pneumatic device H = Hydraulic valve operator T = turbine valve operator PR = pressure relief valve O = other devices
Bleed Rate	L = low bleed I = intermittent bleed H = high bleed NA = not applicable
Manufacturer	

Header column "Comment" boxes displayed below for reference.	
Column Heading	Description and Definition of Required Contents (IF not self-explanatory)
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)	
Annual Emissions (Mscf)	
Explanatory Notes / Comments	
Odorizers	
ID	
Geographic Location	GIS, zip code, or equivalent
Number of Units	
Emission Factor (Mscf/yr)	
Annual Emission (Mscf)	All of the emissions from the odorizing process and equipment.
Explanatory Notes / Comments	