

SDG&E, June 13th, 2025

Regulating Natural Gas Pipelines and Facilities to Reduce Natural Gas Leaks Consistent with Senate Bill 1373, Lenn.

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

Appendix 4: Rev. 03/27/2025

Notes:

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

All the of Annual Estimates column, add a summation total in a cell for a column total, and then highlight orange.

If all the values and services are not current annually, use the last "Unsummed/Pipeline Leak" for the column.

Do not insert above ground MGA leaks in this file. Use Appendix 5 instead. Do not insert above ground leaks associated with the Distribution Main & Service pipeline system.

After completing the file, use "Pipeline Leak" and "Unsummed/Pipeline Leak" cell to include the Pipeline Leak summation.

Sum Total Estimates from leaks entered over from below 2024	12,289
Sum Total Estimates from Survey leaks discovered in 2024	159
Sum Total Estimates from CMV Leaks discovered in 2024	159
Grand Total of all 2024 estimates from leaks	12,607

ID	Geographic Location	Pipe Classification	Pipe Material	Pipe Size (nominal)	Pipe Age (years)	Pressure (PSI)	Leak Grade	Upgraded Leak Grade or Storage/Leak Grade	Address or Street Corridor	Leak Occurrence Method	Discovery Date (MM/DD/YYYY)	Re-Grade Date (MM/DD/YYYY)	Repair Date (MM/DD/YYYY)	Scheduled Repair Date (MM/DD/YYYY)	Reason for Leak Not Scheduling a Repair	Number of Days to Repair	Exclusion Factor	Annual Estimates (leak)	Explanatory Notes / Comments	
245750	92117	DB	PC	3/4"	863	Less than or equal to 2	2	0	M	S	12/15/2024		12/15/2024			1	1	0.1134	0.12	
241395	92102	DB	P	1 1/4"	628	Less than or equal to 2	2	0	S	M	6/29/2024		6/29/2024			234	63	0.1134	27.00	
245129	92112	DB	PC	3/4"	551	Less than or equal to 2	1	0	M	S	12/17/2024		12/17/2024			201	1	0.1134	48.00	
245050	92103	DB	P	1 1/2" CTS	551	Less than or equal to 2	1	0	M	M	8/24/2024		8/24/2024			1	1	0.1134	0.12	
245162	92102	DB	PC	3/4"	551	Less than or equal to 2	1	0	M	S	12/17/2024		12/17/2024			1	1	0.1134	0.12	
245082	92120	DB	P	2"	527	Less than or equal to 2	2	0	M	S	9/24/2024		9/24/2024			268	1	0.1134	36.02	
245021	92117	DB	PC	3/4"	863	Less than or equal to 2	2	0	S	S	12/17/2024		12/17/2024			146	2	0.1134	38.02	
245052	92107	DB	P	1 1/2" CTS	287	Less than or equal to 2	2	0	S	S	12/17/2024		12/17/2024			132	1	0.1134	38.30	
245057	92078	DB	P	1 1/2" PS	551	Less than or equal to 2	1	0	M	S	12/17/2024		12/17/2024			1	1	0.1134	0.12	
245055	92103	DB	P	2"	628	Less than or equal to 2	2	0	S	S	12/17/2024		12/17/2024			348	2	0.1134	40.12	
245085	92109	DB	P	1 1/2" CTS	568	Less than or equal to 2	2	0	M	S	12/17/2024		12/17/2024			1	1	0.1134	0.12	
245070	92021	DB	P	1 1/4"	568	Less than or equal to 2	2	0	S	S	11/12/2024		12/2/2024			137	12	0.1134	38.88	
245077	92068	DB	PC	3/4"	589	Less than or equal to 2	2	0	M	S	12/17/2024		12/17/2024			368	1	0.1134	42.20	
245040	92030	DB	PC	3/4"	851	Less than or equal to 2	2	0	M	M	12/17/2024		12/17/2024			10	10	0.1134	1.10	
245077	92111	DB	PC	3/4"	851	Less than or equal to 2	2	0	M	S	12/17/2024		12/17/2024			3	1	0.1134	0.12	
245490	92064	DB	P	1 1/4"	599	Less than or equal to 2	2	0	M	M	11/29/2024		11/29/2024			30	1	0.1134	3.81	
245059	92103	DB	P	2"	239	Less than or equal to 2	2	0	S	S	12/17/2024		12/17/2024			351	1	0.1134	40.50	
245450	92077	DB	PC	3"	635	Greater than 60	2	0	S	S	10/24/2024		11/18/2024			124	27	0.1134	37.38	
245214	92077	DB	PC	3/4"	599	Less than or equal to 2	1	0	S	S	12/17/2024		12/17/2024			345	1	0.1134	39.77	
245030	92071	DB	PC	3/4"	791	Less than or equal to 2	2	0	S	S	11/12/2024		12/2/2024			137	10	0.1134	38.88	
245048	92109	DB	PC	3/4"	875	Less than or equal to 2	2	0	M	S	12/17/2024		12/17/2024			1	1	0.1134	0.12	
245190	92106	DB	PC	3/4"	805	Less than or equal to 2	2	0	S	S	6/17/2024		6/17/2024			368	10	0.1134	42.23	
245200	92107	DB	PC	3/4"	1125	Less than or equal to 2	2	0	S	S	12/17/2024		12/17/2024			347	4	0.1134	40.04	
245029	92069	DB	P	1"	56	Less than or equal to 2	2	0	M	M	11/24/2024		11/26/2024			9	3	0.1134	0.20	
245206	92109	DB	P	2"	568	Less than or equal to 2	2	0	S	S	7/20/2024					368	5	0.1134	42.23	
245184	92088	DB	PC	3"	553	Less than or equal to 2	2	0	S	S	6/4/2024		6/4/2024			368	10	0.1134	42.23	
245705	92109	DB	P	2"	839	Less than or equal to 2	2	0	M	S	6/12/2024		6/12/2024			368	10	0.1134	42.23	
245200	92126	DB	P	2"	12	Less than or equal to 2	2	0	S	S	11/12/2024					368	10	0.1134	42.23	
245426	92037	DB	P	1 1/4"	522	Less than or equal to 2	2	0	S	S	7/19/2024					368	10	0.1134	42.23	
245024	92014	DB	P	2"	839	Less than or equal to 2	2	0	S	S	12/17/2024		12/17/2024			9	5	0.1134	1.04	
245025	92037	DB	P	2"	455	Less than or equal to 2	2	0	S	S	9/29/2024		9/29/2024			270	2	0.1134	31.15	
245284	92186	DB	PC	3/4"	839	Less than or equal to 2	2	0	S	S	9/29/2024		9/29/2024			131	1	0.1134	1.04	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			124	40	0.1134	34.31	
245787	92077	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			9	1	0.1134	1.04	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1	0.1134	0.12	
245730	92020	DB	PC	3/4"	628	Less than or equal to 2	2	0	S	S	3/29/2024		3/29/2024			1	1			

2467973	92139	DB	PC	3/4"	755	Less than or equal to 80	1			S	10/7/2004	10/7/2004	277	1	0.1554	35.96
2461246	92123	DB	PC	3/4"	803	Less than or equal to 80	2			M	6/20/2004	6/20/2004	7	1	0.1554	31.32
2460977	92020	DB	P	1/2" CT5	479	Less than or equal to 80	1			S	10/7/2004	10/7/2004	276	1	0.1554	35.86
2461412	92002	DB	P	3/4"	621	Less than or equal to 80	1			S	7/20/2004	7/20/2004	270	1	0.1554	32.50
2460942	92113	M8	P	1/4"	875	Less than or equal to 80	2			S	4/20/2004	4/20/2004	104	28	0.1554	13.38
2461851	92842	DB	PC	3/4"	835	Less than or equal to 80	2			M	3/6/2004	3/6/2004	1	1	0.1554	0.12
2461121	92064	DB	PC	3/4"	31	Less than or equal to 80	1			S	21/2/2004	21/2/2004	1	1	0.1554	0.12
2460909	92100	M8	PC	3/4"	1079	Less than or equal to 80	2			S	4/22/2004	4/22/2004	275	100	0.1554	24.61
2461290	92077	M8	PC	1 1/2"	887	Less than or equal to 80	2			S	6/15/2004	6/15/2004	179	1	0.1554	30.64
2461003	92118	DB	P	1/2" CT5	599	Less than or equal to 80	2			M	10/30/2004	10/30/2004	1	1	0.1554	0.12
2461083	92135	DB	PC	3/4"	887	Less than or equal to 80	1			S	9/20/2004	9/20/2004	263	1	0.1554	30.34
2461748	92077	M8	PC	3/4"	815	Less than or equal to 80	2			S	10/10/2004	10/10/2004	318	15	0.1549	4.70
2460624	92014	DB	PC	3/4"	683	Less than or equal to 80	2			S	1/30/2004	1/30/2004	9	9	0.1554	1.06
2461038	92077	M8	PC	3/4"	1055	Less than or equal to 80	2			S	10/12/2004	10/12/2004	316	22	0.1554	36.46
2460452	92114	DB	PC	3/4"	787	Less than or equal to 80	2			S	10/12/2004	10/12/2004	316	1	0.1554	31.32
2461730	92007	M8	PC	3/4"	779	Less than or equal to 80	1			S	8/29/2004	8/29/2004	242	1	0.1554	27.80
2461547	92009	DB	P	3/4"	575	Less than or equal to 80	2			S	6/20/2004	6/20/2004	239	15	0.1554	36.46
2461783	92021	DB	PC	3/4"	899	Less than or equal to 80	2			S	9/30/2004	9/30/2004	274	23	0.1554	31.61
2460863	92021	DB	PC	3/4"	635	Less than or equal to 80	2			S	8/21/2004	8/21/2004	274	9	0.1554	27.80
2461884	92122	DB	PC	3/4"	671	Less than or equal to 80	2			S	2/22/2004	2/22/2004	2	1	0.1554	0.12
2460709	92113	DB	PC	3/4"	731	Less than or equal to 80	2			S	4/21/2004	4/21/2004	268	172	0.1554	30.34
2461357	92842	DB	PC	3/4"	779	Less than or equal to 80	2			S	6/20/2004	6/20/2004	198	9	0.1554	21.23
2461905	92077	M8	PC	3/4"	779	Less than or equal to 80	2			S	7/9/2004	8/2/2004	218	254	0.1554	25.15
2464272	92111	DB	PC	3/4"	755	Less than or equal to 80	2			S	7/22/2004	8/27/2004	240	37	0.0005	0.12
2461723	92120	DB	PC	3/4"	815	Less than or equal to 80	2			S	7/2/2004	7/29/2004	211	27	0.1554	24.34
2460571	92071	DB	PC	3/4"	791	Less than or equal to 80	2			S	3/12/2004	3/12/2004	1	1	0.1554	0.12
2460561	92120	M8	PC	3/4"	683	Less than or equal to 80	2			S	2/1/2004	2/1/2004	52	1	0.1554	1.69
2461547	92009	DB	P	1/2" CT5	575	Less than or equal to 80	2			S	12/10/2004	12/10/2004	293	1	0.1554	46.75
2461174	92832	M8	PC	1 1/2"	887	Less than or equal to 80	2			S	1/16/2004	3/12/2004	72	57	0.1554	8.31
2461296	92110	DB	PC	3/4"	635	Less than or equal to 80	2			M	10/22/2004	10/22/2004	1	1	0.1554	0.12
2460771	92014	DB	PC	1 1/2"	1137	Less than or equal to 80	2			S	1/20/2004	1/17/2004	11	1	0.1554	1.97
2461085	92077	DB	PC	3/4"	575	Less than or equal to 80	2			S	10/22/2004	11/26/2004	313	19	0.1554	36.11
2460991	92124	M8	P	3/4"	751	Less than or equal to 80	1			M	2/9/2004	2/9/2004	1	1	0.1554	0.12
2461756	92106	DB	PC	3/4"	923	Less than or equal to 80	2			S	6/7/2004	7/1/2004	189	29	0.1554	21.11
2461051	92138	DB	PC	3/4"	467	Less than or equal to 80	2			S	6/20/2004	6/20/2004	164	1	0.1554	18.82
2461873	92075	M8	PC	3/4"	887	Less than or equal to 80	2			M	7/2/2004	7/3/2004	2	2	0.1554	0.23
2461033	92138	DB	PC	3/4"	467	Less than or equal to 80	2			S	12/12/2004	12/12/2004	41	1	0.1554	4.86
2461922	92111	M8	PC	3/4"	812	Less than or equal to 80	2			S	8/21/2004	8/20/2004	270	37	0.1554	31.15
2461208	92077	M8	PC	3/4"	883	Less than or equal to 80	2			S	10/22/2004	11/14/2004	319	2	0.1554	30.34
2461580	92109	M8	PC	1 1/2"	743	Less than or equal to 80	2			S	7/29/2004	8/15/2004	238	18	0.0170	3.88
2461099	92120	DB	PC	3/4"	911	Less than or equal to 80	2			S	5/20/2004	5/4/2004	236	16	0.1554	26.46
2461351	92109	DB	PC	3/4"	791	Less than or equal to 80	2			S	7/29/2004	8/20/2004	233	23	0.1554	28.08
2460855	92103	M8	PC	3/4"	755	Less than or equal to 80	2			M	4/22/2004	4/6/2004	115	53	0.1554	6.11
2460472	92113	DB	PC	3/4"	1001	Less than or equal to 80	2			S	10/22/2004	10/22/2004	111	1	0.1554	21.04
2460480	92100	M8	PC	1 1/2"	795	Less than or equal to 80	2			S	2/22/2004	2/26/2004	86	34	0.1554	1.92
2460379	92100	DB	PC	3/4"	839	Less than or equal to 80	2			S	10/22/2004	10/22/2004	44	1	0.1554	1.98
2460497	92002	DB	PC	3/4"	623	Less than or equal to 80	2			S	1/2/2004	1/19/2004	79	49	0.1554	9.11
2460811	92102	DB	PC	3/4"	881	Less than or equal to 80	2			S	5/21/2004	4/27/2004	200	20	0.1554	26.05
2460623	92101	DB	PC	3/4"	795	Less than or equal to 80	2			S	2/15/2004	1/14/2004	74	29	0.1554	1.74
2464038	92114	DB	PC	3/4"	683	Less than or equal to 80	2			S	7/20/2004	7/20/2004	1	1	0.1554	17.77
2460211	92083	M8	P	1 1/4"	527	Less than or equal to 80	1			M	1/29/2004	1/29/2004	1	1	0.1554	0.12
2461341	92111	DB	PC	3/4"	887	Less than or equal to 80	2			S	1/23/2004	1/23/2004	47	1	0.1554	0.12
2460678	92109	M8	PC	3/4"	683	Less than or equal to 80	2			S	3/20/2004	4/4/2004	156	69	0.1554	18.00
2461197	92090	DB	P	3/4"	587	Less than or equal to 80	2			S	7/12/2004	7/12/2004	294	52	0.0005	0.12
2461722	92007	DB	PC	3/4"	779	Less than or equal to 80	1			M	8/29/2004	8/29/2004	1	1	0.1554	0.12
2460923	92122	DB	PC	3/4"	795	Less than or equal to 80	2			S	10/13/2004	10/13/2004	266	1	0.1554	30.00
2461180	92113	DB	P	3/4"	612	Less than or equal to 80	2			S	6/10/2004	6/10/2004	101	1	0.1554	10.00
2464889	92077	M8	PC	3/4"	795	Less than or equal to 80	2			S	7/29/2004	9/3/2004	247	42	0.0311	7.74
2460860	92107	DB	PC	3/4"	635	Less than or equal to 80	2			S	12/19/2004	12/19/2004	264	484	0.1554	48.84
2460422	92113	M8	PC	3/4"	1001	Less than or equal to 80	1			S	1/22/2004	1/22/2004	1	1	0.1554	1.96
2464846	92021	DB	PC	3/4"	787	Less than or equal to 80	2			S	8/20/2004	8/20/2004	264	34	0.1554	27.77
2462493	92071	M8	P	3/4"	565	Less than or equal to 80	1			M	11/27/2004	11/18/2004	2	2	0.1554	0.23
2464032	92113	DB	PC	3/4"	123	Less than or equal to 80	2			S	12/17/2004	12/17/2004	1	1	0.1554	0.12
2460491	92077	M8	PC	3/4"	1005	Less than or equal to 80	2			M	9/4/2004	9/3/2004	2	2	0.1554	0.23
2460561	92107	DB	P	299 1/2" CT5	299	Less than or equal to 80	2			S	10/22/2004	10/22/2004	1	1	0.1554	0.12
2460942	92139	DB	PC	3/4"	802	Less than or equal to 80	2			S	3/4/2004	3/12/2004	75	12	0.1554	8.05
2461210	92118	DB	PC	1 1/2"	1117	Less than or equal to 80	2			S	5/1/2004	5/1/2004	1	1	0.1554	0.12
2460832	92115	DB	PC	3/4"	815	Less than or equal to 80	1			S	4/20/2004	4/16/2004	1	1	0.1554	0.12
2460223	92014	DB	PC	3/4"	671	Less than or equal to 80	2			S	1/4/2004	1/4/2004	4	1	0.1554	0.46
2461887	92002	DB	PC	3/4"	875	Less than or equal to 80	2			S	9/17/2004	9/17/2004	261	1	0.1554	30.34
2461016	92107	DB	PC	3/4"	707	Less than or equal to 80	1			M	10/29/2004	10/29/2004	1	1	0.1554	0.12
2462000	92011	DB	PC	3/4"	803	Less than or equal to 80	2			M	11/12/2004	11/12/2004	1	1	0.1554	1.92
2461031	92041	DB	PC	3/4"	815	Less than or equal to 80	1			M	1/29/2004	1/29/2004	1	1	0.1554	0.12
2460790	92024	DB	PC	3/4"	605	Less than or equal to 80	2			S	4/13/2004	4/13/2004	103	1	0.1554	11.77
2464315	92010	DB	PC	3/4"	1055	Less than or equal to 80	2			S	2/10/2004	1/19/2004	101	48	0.1554	11.05
2460747	92109	M8	PC	3/4"	719	Less than or equal to 80	2			S	1/20/2004	1/20/2004	9	1	0.1554	0.12
2461098	92114	DB	PC	3/4"	887	Less than or equal to 80	2			M	1/19/2004	1/19/2004	18	16	0.1554	1.85
2460554	92110	DB	PC	3/4"	899	Less than or equal to 80	2			S	1/19/2004	1/19/2004	14	14	0.1554	1.85
2460970	92106	M8	PC	1 1/2"	815	Less than or equal to 80	2			S	5/2/2004	5/2/2004	142	20	0.1554	16.38
2462897	92139	M8	P	3/4"	479	Less than or equal to 80	2			S	2/6/2004	2/27/2004	87	49	0.1554	10.04
2461033	92102	DB	PC	3/4"	811	Less than or equal to 80	2			S	2/19/2004	2/19/2004	88	34	0.1554	10.04
2461454	92109	M8	PC	3/4"	883	Less than or equal to 80	2			S	7/20/2004	9/16/2004	200	77	0.1554	30.00
2461248	92109	DB	PC	3/4"	779	Less than or equal to 80	2			S	7/					

2412899	91036	DB	PC	3/4"	859	Less than or equal to	2	2	0	S	4/7/2024	7/2/2024	205	35	0.1554	25.05
2412324	91035	DB	PC	3/4"	899	Less than or equal to	2	2	0	M	5/20/2024	5/20/2024	4	4	0.1224	1.46
2404028	90014	MB	PC	1 1/2"	852	Less than or equal to	2	2	0	M	2/29/2024	2/29/2024	2	2	0.1124	0.25
2410112	91014	DB	PC	3/4"	872	Less than or equal to	2	2	0	M	4/2/2024	4/2/2024	87	87	0.1224	7.75
2404951	91020	MB	PC	1 1/4"	887	Less than or equal to	2	2	0	S	8/29/2024	3/20/2024	275	37	0.0006	5.67
2417822	91025	DB	PC	3/4"	551	Less than or equal to	2	2	0	S	8/29/2024	7/22/2024	262	20	0.1124	30.23
2412177	91054	DB	PC	3/4"	851	Less than or equal to	2	2	0	S	10/27/2024	11/12/2024	117	18	0.0874	0.20
2418805	91020	DB	PC	3/4"	947	Less than or equal to	2	2	0	S	7/5/2024	7/5/2024	194	38	0.1124	25.54
2418201	91084	MB	P	1 1/4"	901	Less than or equal to	2	2	0	M	1/8/2024	1/8/2024	282	28	0.0942	0.20
2403804	91007	DB	PC	3/4"	731	Less than or equal to	2	2	0	S	10/17/2024	12/4/2024	40	40	0.1124	10.00
2402454	91032	DB	PC	3/4"	839	Less than or equal to	2	2	0	S	1/27/2024	2/26/2024	47	47	0.1124	1.45
2415361	91037	MB	PC	1 1/2"	787	Less than or equal to	2	2	0	S	7/30/2024	9/4/2024	248	37	0.1124	28.61
2413157	91077	MB	P	3/4"	480	Less than or equal to	2	2	0	S	4/20/2024	7/3/2024	15	15	0.1124	15.34
2401395	91075	MB	P	2"	805	Less than or equal to	2	2	0	S	1/19/2024	2/12/2024	43	25	0.1124	4.04
2415136	91126	MB	P	1 1/4"	579	Less than or equal to	2	2	0	M	11/2/2024	11/2/2024	333	1	0.1124	27.27
2414380	91030	DB	PC	3/4"	950	Less than or equal to	2	2	0	S	7/30/2024	7/30/2024	198	1	0.1124	29.84
2415959	91037	MB	P	1 1/2"	751	Less than or equal to	2	2	0	S	1/16/2024	1/16/2024	1	1	0.1124	1.46
2402340	91037	MB	PC	1 1/2"	1143	Less than or equal to	2	2	0	M	1/29/2024	1/29/2024	1	1	0.1124	0.12
2402459	91115	MB	PC	3/4"	971	Less than or equal to	2	2	0	M	1/29/2024	1/21/2024	1	1	0.1124	0.12
2418274	91056	MB	P	1 1/4"	560	Less than or equal to	2	2	0	S	8/12/2024	8/29/2024	223	6	0.1124	28.86
2401025	91020	DB	PC	3/4"	779	Less than or equal to	2	2	0	S	5/12/2024	6/18/2024	170	37	0.1124	10.82
2401212	91007	MB	PC	3/4"	623	Less than or equal to	2	2	0	M	1/19/2024	1/19/2024	1	1	0.1124	0.12
2404544	91007	DB	P	1 1/2" IPS	449	Less than or equal to	2	2	0	S	7/29/2024	7/29/2024	211	34	0.1124	28.34
2401673	91008	DB	PC	3/4"	707	Less than or equal to	2	2	0	S	8/22/2024	10/22/2024	278	42	0.1124	18.24
2401524	91008	DB	PC	3/4"	740	Less than or equal to	2	2	0	S	7/29/2024	8/16/2024	229	19	0.1124	26.42
2401479	91041	DB	PC	1 1/2" CTS	527	Less than or equal to	2	2	0	M	11/2/2024	11/2/2024	4	4	0.1124	0.40
2402222	91007	DB	PC	3/4"	743	Less than or equal to	2	2	0	S	1/29/2024	3/6/2024	66	38	0.1124	7.65
2401213	91041	DB	PC	3/4"	923	Less than or equal to	2	2	0	M	2/6/2024	2/14/2024	27	27	0.1124	9.12
2402149	91045	MB	P	2"	599	Less than or equal to	2	2	0	M	1/29/2024	1/29/2024	1	1	0.1124	0.12
2401409	91033	MB	PC	2"	887	Less than or equal to	2	2	0	S	1/16/2024	2/13/2024	44	44	0.1124	1.58
2412249	91115	MB	PC	1 1/2"	1159	Less than or equal to	2	2	0	S	4/27/2024	7/19/2024	192	13	0.1124	21.15
2401018	91037	MB	PC	2"	599	Less than or equal to	2	2	0	S	5/12/2024	5/14/2024	135	2	0.1124	10.40
2418977	91130	DB	PC	3/4"	815	Less than or equal to	2	2	0	S	9/13/2024	10/21/2024	295	31	0.1124	38.84
2401475	91024	MB	P	1 1/4"	806	Less than or equal to	2	2	0	S	4/7/2024	4/9/2024	99	2	0.1124	11.42
2414434	91117	MB	PC	3/4"	751	Less than or equal to	2	2	0	S	7/30/2024	8/23/2024	37	37	0.0897	1.28
2408174	91115	DB	PC	3/4"	815	Less than or equal to	2	2	0	S	4/17/2024	5/31/2024	260	153	0.1124	30.00
2408174	91050	MB	PC	3/4"	683	Less than or equal to	2	2	0	S	5/21/2024	5/21/2024	142	14	0.1124	14.14
2412379	91106	DB	PC	3/4"	751	Less than or equal to	2	2	0	S	4/12/2024	4/29/2024	178	15	0.1124	20.14
2401351	91103	DB	PC	3/4"	751	Less than or equal to	2	2	0	S	1/29/2024	1/29/2024	39	39	0.1124	10.80
2412861	91115	DB	PC	3/4"	1067	Less than or equal to	2	2	0	S	4/29/2024	8/6/2024	239	49	0.1124	25.27
2417738	91105	MB	PC	3/4"	827	Less than or equal to	2	2	0	S	11/27/2024	11/27/2024	234	12	0.1124	26.48
2402460	91211	MB	P	2"	623	Less than or equal to	2	2	0	S	11/12/2024	11/12/2024	326	5	0.1124	37.61
2417121	91104	DB	PC	3/4"	851	Less than or equal to	2	2	0	S	4/26/2024	7/22/2024	224	35	0.1124	25.54
2412460	91106	DB	PC	3/4"	875	Less than or equal to	2	2	0	S	4/21/2024	9/3/2024	145	10	0.1124	16.24
2406677	91050	DB	PC	1 1/2"	587	Less than or equal to	2	2	0	S	3/22/2024	4/24/2024	257	10	0.1124	12.37
2411011	91007	MB	PC	3/4"	827	Less than or equal to	2	2	0	S	7/29/2024	8/6/2024	248	2	0.1124	27.50
2404293	91037	DB	PC	3/4"	635	Less than or equal to	2	2	0	S	7/25/2024	7/25/2024	197	1	0.1124	22.75
2409741	91103	DB	PC	3/4"	767	Less than or equal to	2	2	0	S	5/7/2024	5/7/2024	128	4	0.1124	14.77
2407847	91103	DB	PC	3/4"	415	Less than or equal to	2	2	0	S	4/12/2024	4/29/2024	172	71	0.1124	39.84
2413113	91104	DB	PC	3/4"	751	Less than or equal to	2	2	0	S	7/3/2024	7/3/2024	133	4	0.1124	14.77
2409108	91117	DB	PC	3/4"	659	Less than or equal to	2	2	0	S	4/29/2024	5/29/2024	141	21	0.1124	16.27
2404386	91106	DB	PC	3/4"	513	Less than or equal to	2	2	0	S	5/1/2024	5/1/2024	1	1	0.1124	0.12
2404170	91037	MB	PC	1 1/2"	875	Less than or equal to	2	2	0	S	7/3/2024	7/29/2024	74	14	0.1124	28.88
2409113	91115	MB	PC	3/4"	883	Less than or equal to	2	2	0	S	5/1/2024	5/1/2024	123	64	0.1124	16.27
2417716	91054	MB	PC	2"	767	Less than or equal to	2	2	0	S	9/6/2024	9/7/2024	271	23	0.1124	16.27
2401770	91037	MB	PC	1 1/2"	743	Less than or equal to	2	2	0	S	10/30/2024	10/17/2024	291	2	0.1124	16.17
2411304	91102	DB	PC	3/4"	995	Less than or equal to	2	2	0	S	5/29/2024	5/29/2024	111	111	0.1124	17.42
2401623	91040	DB	P	1 1/2" CTS	611	Less than or equal to	2	2	0	M	4/23/2024	4/23/2024	18	18	0.1124	1.46
2417714	91117	MB	PC	3/4"	539	Less than or equal to	2	2	0	M	11/27/2024	1/29/2024	1	1	0.1124	0.12
2401777	91117	MB	PC	3/4"	177	Less than or equal to	2	2	0	M	5/20/2024	5/20/2024	1	1	0.1124	0.12
2400008	91037	MB	PC	3/4"	751	Less than or equal to	2	2	0	S	1/29/2024	3/5/2024	37	37	0.1124	7.80
2417663	91123	DB	PC	3/4"	731	Less than or equal to	2	2	0	S	9/7/2024	10/26/2024	282	36	0.1124	32.54
2400683	91113	DB	PC	3/4"	1228	Less than or equal to	2	2	0	S	5/29/2024	5/29/2024	47	47	0.1124	16.27
2400106	91007	MB	PC	1 1/2"	779	Less than or equal to	2	2	0	M	1/19/2024	1/19/2024	2	2	0.1124	0.12
2404048	91103	DB	PC	3/4"	611	Less than or equal to	2	2	0	S	4/12/2024	4/12/2024	249	49	0.1124	25.29
2409689	91041	MB	PC	1 1/2"	887	Less than or equal to	2	2	0	S	3/4/2024	3/29/2024	89	26	0.1124	10.27
2401697	91106	DB	PC	3/4"	887	Less than or equal to	2	2	0	S	4/12/2024	4/12/2024	1	1	0.1124	0.12
2414858	91037	MB	PC	3/4"	791	Less than or equal to	2	2	0	S	7/30/2024	8/26/2024	239	34	0.1124	27.57
2402625	91115	DB	PC	3/4"	887	Less than or equal to	2	2	0	M	2/1/2024	2/13/2024	13	13	0.1124	1.50
2412775	91116	DB	PC	3/4"	1001	Less than or equal to	2	2	0	S	1/17/2024	1/17/2024	17	17	0.1124	1.46
2401034	91030	MB	P	2"	453	Less than or equal to	2	2	0	S	9/29/2024	10/16/2024	290	21	0.1124	36.46
2414451	91054	DB	PC	3/4"	767	Less than or equal to	2	2	0	S	10/29/2024	11/18/2024	913	1	0.1124	16.11
2402328	91054	DB	PC	3/4"	971	Less than or equal to	2	2	0	S	1/29/2024	1/29/2024	39	2	0.1124	1.46
2400424	91113	MB	PC	3/4"	1185	Less than or equal to	2	2	0	S	5/19/2024	5/19/2024	124	47	0.1124	14.14
2410827	91103	DB	PC	2"	923	Less than or equal to	2	2	0	S	1/21/2024	7/26/2024	150	10	0.1124	22.04
2411063	91104	DB	PC	3/4"	751	Less than or equal to	2	2	0	S	8/6/2024	8/6/2024	219	1	0.1124	15.27
2409974	91092	MB	P	1 1/2"	887	Less than or equal to	2	2	0	S	3/16/2024	4/29/2024	116	43	0.1124	16.38
2412546	91106	DB	PC	3/4"	851	Less than or equal to	2	2	0	S	7/3/2024	7/3/2024	139	39	0.1124	16.27
2409177	91041	MB	PC	1 1/2"	935	Less than or equal to	2	2	0	M	5/7/2024	5/7/2024	1	1	0.1124	0.12
2406021	91129	DB	P	1 1/2" CTS	491	Less than or equal to	2	2	0	S	2/22/2024	3/9/2024	13	13	0.1124	6.01
2415930	91103	DB	PC	3/4"	767	Less than or equal to	2	2	0	S	8/9/2024	8/9/2024	221	1	0.1124	25.50
2412793	91106	DB	PC	3/4"	1007	Less than or equal to	2	2	0	S	4/26/2024	6/18/2024	170	1	0.1124	16.61

2422394	90025	MB	PC	2"	1045	Less than or equal to 50	2	0	S	11/9/2004	11/9/2004	311	2	0.1154	35.89
2423988	92106	MB	PC	3/4"	851	Less than or equal to 50	2	0	S	4/29/2004	4/29/2004	117	1	0.1154	19.10
2424269	92102	DB	P	2"	622	Less than or equal to 50	1	0	S	6/24/2004	6/24/2004	166	1	0.1154	19.15
2424249	92122	DB	PC	2"	745	Less than or equal to 50	2	0	S	5/20/2004	5/20/2004	298	13	0.1154	28.40
2424945	93002	DB	P	1/2"/CTS	622	Less than or equal to 50	2	0	S	2/25/2004	4/15/2004	106	61	0.1154	12.23
2425206	92106	MB	PC	2"	275	Less than or equal to 50	2	0	S	6/15/2004	7/2/2004	144	20	0.1154	21.10
2424401	92127	DB	P	2"	611	Less than or equal to 50	2	0	S	1/21/2004	21/2/2004	41	2	0.1154	1.86
2423922	92105	DB	P	1/2"/CTS	599	Less than or equal to 50	2	0	S	7/9/2004	7/9/2004	211	21	0.1154	24.34
2424627	93002	MB	PC	2"	599	Less than or equal to 50	2	0	M	10/12/2004	10/12/2004	1	1	0.1154	0.12
2424005	92009	DB	P	1 1/4"	76	Less than or equal to 50	2	0	M	1/26/2004	1/21/2004	2	2	0.1154	0.23
2423491	92104	MB	PC	2"	80	Less than or equal to 50	2	0	S	9/26/2004	9/26/2004	274	1	0.1154	16.61
2424874	92008	DB	PC	3/4"	839	Less than or equal to 50	2	0	S	9/17/2004	10/4/2004	288	28	0.1154	19.13
2424551	92008	DB	PC	3/4"	767	Less than or equal to 50	2	0	S	9/17/2004	9/17/2004	138	1	0.1154	19.10
2424884	92103	DB	P	1"	149	Less than or equal to 50	2	0	S	4/18/2004	5/29/2004	150	37	0.1154	17.11
2423396	92105	DB	P	1 1/4"	387	Less than or equal to 50	2	0	S	1/13/2004	1/13/2004	208	13	0.1154	21.37
2421149	92107	DB	PC	3/4"	695	Less than or equal to 50	2	0	S	10/22/2004	11/29/2004	325	30	0.0020	0.05
2423513	92114	MB	PC	2"	887	Less than or equal to 50	2	0	S	9/7/2004	9/7/2004	81	5	0.1154	19.10
2424005	92077	DB	PC	3/4"	76	Less than or equal to 50	2	0	S	5/17/2004	5/17/2004	138	1	0.1154	15.90
2423611	92077	DB	PC	3/4"	688	Less than or equal to 50	1	0	M	2/7/2004	2/7/2004	1	1	0.1154	0.12
2424411	92106	MB	PC	1 1/2"	1010	Less than or equal to 50	1	0	S	6/7/2004	11/26/2004	311	2	0.1154	18.10
2422778	92084	MB	PC	2"	410	Less than or equal to 50	2	0	S	11/14/2004	11/11/2004	318	8	0.1154	16.46
2424913	93045	MB	P	1 1/4"	587	Less than or equal to 50	2	0	S	7/29/2004	7/29/2004	131	1	0.1154	17.77
2427109	92118	DB	P	1 1/4"	599	Less than or equal to 50	2	0	S	4/2/2004	4/24/2004	115	23	0.1154	12.27
2423481	92050	MB	P	1 1/4"	563	Less than or equal to 50	2	0	S	8/2/2004	8/2/2004	247	27	0.1154	26.20
2423875	92041	MB	P	2"	563	Less than or equal to 50	2	0	S	7/9/2004	7/25/2004	207	18	0.1154	21.88
2421448	92020	MB	P	2"	823	Less than or equal to 50	2	0	S	12/12/2004	12/12/2004	109	1	0.1154	18.23
2426256	92120	MB	P	2"	621	Less than or equal to 50	1	0	S	9/16/2004	9/16/2004	200	1	0.1154	18.00
2423513	92107	DB	PC	2"	75	Less than or equal to 50	2	0	S	12/12/2004	12/12/2004	247	1	0.1154	48.09
2426367	92096	DB	P	1 1/4"	551	Less than or equal to 50	2	0	M	5/21/2004	5/21/2004	2	2	0.1154	0.23
2423961	92103	MB	PC	2"	476	Less than or equal to 50	2	0	S	5/15/2004	5/16/2004	76	2	0.1154	7.77
2421110	92104	MB	PC	2"	1175	Less than or equal to 50	1	0	S	6/7/2004	6/7/2004	109	1	0.1154	18.10
2421912	92109	DB	P	2"	153	Less than or equal to 50	2	0	S	8/9/2004	8/28/2004	241	20	0.1154	27.81
2427789	92103	MB	PC	1 1/2"	741	Less than or equal to 50	2	0	S	4/19/2004	4/19/2004	131	1	0.1154	17.40
2424686	92037	DB	PC	3/4"	759	Less than or equal to 50	2	0	S	7/29/2004	7/29/2004	203	1	0.1154	21.31
2423880	92037	DB	PC	1 1/2"	603	Less than or equal to 50	2	0	S	11/20/2004	11/20/2004	125	1	0.1154	17.90
2426705	92106	MB	P	1 1/4"	611	Less than or equal to 50	1	0	M	2/16/2004	2/16/2004	1	1	0.1154	0.12
2421214	92103	DB	PC	3/4"	1128	Less than or equal to 50	1	0	S	4/26/2004	4/26/2004	211	5	0.1154	19.10
2421177	92114	DB	P	2"	621	Less than or equal to 50	2	0	S	6/26/2004	6/26/2004	214	39	0.1154	28.89
2424684	93041	MB	P	2"	621	Less than or equal to 50	2	0	S	7/13/2004	7/13/2004	103	2	0.1154	12.27
2423857	92009	DB	PC	1"	719	Less than or equal to 50	2	0	M	2/7/2004	9/14/2004	37	37	0.1154	4.27
2421797	92111	MB	PC	1 1/2"	795	Less than or equal to 50	2	0	M	2/4/2004	2/4/2004	1	1	0.1154	0.23
2421134	92084	MB	PC	2"	504	Less than or equal to 50	2	0	S	11/14/2004	11/14/2004	319	14	0.1154	18.00
2422777	92103	MB	P	2"	621	Less than or equal to 50	2	0	S	11/16/2004	11/16/2004	323	3	0.1154	17.27
2423647	92101	DB	PC	3/4"	711	Less than or equal to 50	1	0	S	5/26/2004	5/18/2004	119	1	0.1154	18.00
2423079	92122	DB	PC	3/4"	647	Less than or equal to 50	1	0	S	10/17/2004	10/17/2004	295	1	0.1154	13.17
2420990	92102	DB	PC	1 1/2"	621	Less than or equal to 50	2	0	S	4/21/2004	4/21/2004	161	1	0.1154	18.81
2427189	92030	MB	PC	2"	558	Less than or equal to 50	2	0	S	12/12/2004	12/12/2004	347	1	0.1154	48.09
2421211	92104	MB	PC	3/4"	1128	Less than or equal to 50	1	0	S	4/26/2004	4/26/2004	211	5	0.1154	19.10
2421812	92100	MB	PC	2"	751	Greater than 50	0	0	S	9/26/2004	11/18/2004	144	61	0.1154	17.10
2421346	92110	DB	PC	3/4"	1188	Less than or equal to 50	2	0	S	8/20/2004	8/20/2004	213	1	0.1154	19.10
2421721	92100	MB	PC	1 1/2"	809	Less than or equal to 50	2	0	S	6/12/2004	6/12/2004	156	64	0.1154	18.00
2421616	92119	MB	PC	1/2"	487	Less than or equal to 50	2	0	S	11/20/2004	11/20/2004	1	1	0.1154	0.12
2421305	92105	DB	PC	1"	611	Less than or equal to 50	2	0	S	5/26/2004	5/26/2004	149	4	0.1154	17.19
2420997	92020	DB	PC	1/2"	607	Less than or equal to 50	2	0	S	1/12/2004	1/12/2004	12	1	0.1154	0.23
2420880	92024	DB	PC	1"	389	Less than or equal to 50	2	0	S	4/26/2004	4/26/2004	121	5	0.1154	13.96
2421265	92106	DB	PC	3/4"	839	Less than or equal to 50	2	0	S	8/29/2004	7/23/2004	104	10	0.1154	15.14
2420861	92104	DB	PC	3/4"	863	Less than or equal to 50	1	0	S	11/16/2004	11/16/2004	311	1	0.1154	19.10
2424002	92107	MB	PC	3/4"	839	Less than or equal to 50	2	0	S	4/29/2004	7/23/2004	184	76	0.1154	21.23
2427961	92102	DB	P	2"	697	Less than or equal to 50	2	0	S	4/19/2004	4/19/2004	138	1	0.1154	17.10
2421051	92100	MB	P	1/2"/CTS	759	Less than or equal to 50	1	0	S	8/7/2004	8/7/2004	214	1	0.1154	28.89
2420181	92173	DB	PC	3/4"	551	Less than or equal to 50	2	0	S	10/22/2004	10/22/2004	86	34	0.1154	1.82
2420108	92037	DB	PC	3/4"	779	Less than or equal to 50	2	0	S	10/14/2004	10/14/2004	288	1	0.1154	19.13
2420171	92104	MB	PC	3/4"	791	Less than or equal to 50	2	0	S	2/27/2004	2/27/2004	127	1	0.1154	4.59
2424079	92056	MB	P	1 1/4"	621	Less than or equal to 50	1	0	S	7/25/2004	7/25/2004	207	1	0.1154	18.00
2424129	92109	MB	PC	2"	719	Less than or equal to 50	2	0	S	7/13/2004	7/13/2004	207	1	0.1154	18.00
2424600	92064	DB	P	1 1/4"	551	Less than or equal to 50	2	0	S	2/26/2004	3/26/2004	80	21	0.1154	9.23
2421103	92103	MB	PC	2"	172	Less than or equal to 50	2	0	S	9/6/2004	9/6/2004	208	1	0.1154	19.10
2421380	92107	DB	PC	3/4"	811	Less than or equal to 50	2	0	S	6/24/2004	6/29/2004	242	77	0.1154	27.00
2421616	92042	DB	P	2"	410	Less than or equal to 50	1	0	M	2/9/2004	2/9/2004	1	1	0.1154	0.12
2421310	92020	MB	PC	1 1/2"	791	Less than or equal to 50	2	0	S	10/17/2004	10/17/2004	298	1	0.1154	18.00
2420820	92122	DB	PC	3/4"	695	Less than or equal to 50	2	0	S	10/17/2004	11/13/2004	318	28	0.0080	0.96
2421487	92021	MB	P	2"	138	Less than or equal to 50	2	0	S	10/14/2004	10/14/2004	119	1	0.1154	19.13
2421061	92077	MB	P	1 1/4"	611	Less than or equal to 50	2	0	S	7/2/2004	7/18/2004	200	17	0.1154	21.07
2421778	92106	MB	PC	3/4"	871	Less than or equal to 50	2	0	S	6/19/2004	7/13/2004	107	1	0.1154	17.10
2421822	92111	MB	PC	2"	659	Less than or equal to 50	2	0	M	6/19/2004	6/7/2004	50	10	0.1154	5.77
2421471	92100	MB	PC	3/4"	863	Less than or equal to 50	2	0	S	10/17/2004	10/17/2004	311	5	0.1154	19.10
2426170	92111	MB	PC	1 1/2"	791	Less than or equal to 50	2	0	S	4/19/2004	4/19/2004	108	2	0.1154	12.46
2421305	92173	DB	PC	3/4"	479	Less than or equal to 50	2	0	M	11/12/2004	11/12/2004	2	2	0.1154	0.23
2421447	92110	DB	PC	3/4"	875	Less than or equal to 50	1	0	S	5/29/2004	5/29/2004	100	1	0.1154	17.11
2422737	92113	MB	PC	2"	287	Less than or equal to 50	2	0	M	11/16/2004	11/16/2004	7	7	0.1154	0.81
2420461	92116	MB	PC	2"	1107	Less than or equal to 50	2	0	S	1/25/2004	1/17/2004	8	8	0.1154	0.12
2420889	92114	MB	PC	6"	284	Less than or equal to 50	2	0	S	4/23/2004	4/23/2004	114	1	0.1154	13.15
2424960	92025	DB	P	1 1/4"	587	Less than or equal to 50	2	0	S	5/9/2004	5/9/2004	118	5	0.1154	16.77
2427808	92103	DB	PC	3/4"	1188	Less than or equal to 50	1	0	S	4/12/2004	4/11/2004	102	1	0.1154	

SDG&E, 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 4; Rev. 03/27/2025

Notes:

Please show the calculation for determining the total emissions. If additional worksheets are necessary, please include those to show intermediate calculations, such as the formula for the Risk Based Survey Method.

Definitions in Data Request R15-01-008, 2025 June Report

If highlighted cells are filled in, the other cells will auto-populate

The number of miles surveyed (Column C) should be the number of unique miles surveyed, and should not include any repeated miles surveyed multiple times per year.

To clarify the definition of O&M Leaks (Column O), the following criteria for O&M Leaks should be met: (1) occur stochastically across the whole territory, (2) are reported by customers, (3) found quickly after occurring, (4) found independently of survey activities but would have been found later by surveyors, and (5) considered a small number of leaks.

To clarify the definition of Survey Leaks (Column C), the following criteria for Survey Leaks should be met: (1) found from company employees or contractors actively searching for leaks (2) including, but not limited to, compliance survey leaks and non-compliance survey leaks (e.g. Super Emitter Programs, Aerial Methane Mapping, Corrosion Surveying.)

Summary of Data by Pipeline Facility/Material and Results for Annual System Leak Rate and Resulting Number of Unknown Leaks for Each Pipeline Facility/Material

Facility/Material	Total System Miles per material type	Miles on Annual Survey [M _{AS}]	Miles on Multi-Year Survey Cycles [M _Y] ¹	Survey Interval (yrs) [I]	Miles Surveyed Annually from Multi-Year Survey Cycles [M _Y]	Total # of Leaks Detected from Survey [N _{SL}]	If using a 3-year trailing leak rate average then include - 2022 Annual Leak Rate [R _{SL}]	If using a 3-year trailing leak rate average then include - 2023 Annual Leak Rate [R _{SL}]	2024 Annual Leak Rate [R _{SL}] $R_{SL} = \frac{N_{SL}}{M_{SL} + (I \times M_{SL})}$	If applicable, then calculate the 3-year Average Leak Rate [Leak / Mile / Yr] $\bar{R}_3 = \frac{1}{3} \sum_{i=1}^3 R_{SL}$	# of Unknown Leaks $N_{K,UB} = \bar{R}_3 \times (M_{YU}^2 - M_{SL}) \times \frac{1}{I}$	Total # of Leaks Detected from O&M* [N _{K,O}]
Main/Vintage* Plastic	1,453	1,453	NA	1	0	67	0.0287	0.0312	0.04610	0.03534	-	18
Main/Plastic	NA	NA	NA	3	NA	NA	NA	NA	NA	NA	NA	NA
Main/Plastic	NA	NA	NA	4	NA	NA	NA	NA	NA	NA	NA	NA
Main/Plastic	3,341	1,060	2,281	3	760	7	0.0019	0.0015	0.00210	0.00183	4.17	1
Main/Unprotected Steel	NA	NA	NA	3	NA	NA	NA	NA	NA	NA	NA	NA
Main/Unprotected Steel	NA	NA	NA	4	NA	NA	NA	NA	NA	NA	NA	NA
Main/Unprotected Steel	NA	NA	NA	5	NA	NA	NA	NA	NA	NA	NA	NA
Main/Vintage* Protected Steel	438	438	NA	1	0	49	0.0870	0.0973	0.11187	0.09870	-	17
Main/Protected Steel	NA	NA	NA	3	NA	NA	NA	NA	NA	NA	NA	NA
Main/Protected Steel	NA	NA	NA	4	NA	NA	NA	NA	NA	NA	NA	NA
Main/Protected Steel	3,117	1,098	2,019	3	673	132	0.0265	0.0241	0.04235	0.03098	62.55	30
Main/Unknown	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Service/Vintage* Plastic	1,212	1,212	NA	1	0	38	0.0313	0.0350	0.03135	0.03253	-	12
Service/Plastic	NA	NA	NA	3	NA	NA	NA	NA	NA	NA	NA	NA
Service/Plastic	NA	NA	NA	4	NA	NA	NA	NA	NA	NA	NA	NA
Service/Plastic	3,130	894	2,236	3	745	19	0.0026	0.0029	0.00607	0.00388	8.68	7
Service/Unprotected Steel	NA	NA	NA	3	NA	NA	NA	NA	NA	NA	NA	NA
Service/Unprotected Steel	NA	NA	NA	4	NA	NA	NA	NA	NA	NA	NA	NA
Service/Unprotected Steel	NA	NA	NA	5	NA	NA	NA	NA	NA	NA	NA	NA
Service/Vintage* Protected Steel	270	270	NA	1	0	52	0.1517	0.1769	0.19259	0.17374	-	6
Service/Protected Steel	NA	NA	NA	3	NA	NA	NA	NA	NA	NA	NA	NA
Service/Protected Steel	NA	NA	NA	4	NA	NA	NA	NA	NA	NA	NA	NA
Service/Protected Steel	2,522	1,084	1,438	3	479	226	0.0789	0.0585	0.08963	0.07567	108.80	61
Service/Copper	NA	NA	NA	3	NA	NA	NA	NA	NA	NA	NA	NA
Service/Copper	NA	NA	NA	4	NA	NA	NA	NA	NA	NA	NA	NA
Service/Copper	NA	NA	NA	5	NA	NA	NA	NA	NA	NA	NA	NA
Service/Unknown	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Service/Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total	15,482	7,509	7,974	N/A	2,658	590				N/A	184	152

*Definitions for "vintage" materials:

Vintage Plastic

Vintage Protected Steel

Pipe installed before 1986 + "unknown" manufacture PE pipe

Pipe installed before 1950

Estimated Emissions by Pipeline Facility/Material for Each Leakage Category

Leakage Category	Emission Factor (Mscf/day/leak)	2024 Emissions from Leaks detected Prior to 2024 (Mscf)	2024 Emissions from Leaks Detected from 2024 Survey (Mscf)	2024 Emissions from O&M* Leaks Detected in 2024 (Mscf)	2024 Estimated Emissions from Unknown Leaks (Mscf)	Total Estimated 2024 Emissions from Distribution Pipelines (Mscf)
Facility/Material						
Main/Vintage* Plastic	0.1154	5	1,778	6	0	1,789
Main/Plastic	0.1154	NA	NA	NA	NA	NA
Main/Plastic	0.1154	NA	NA	NA	NA	NA
Main/Plastic	0.1154	0	199	0	176	375
Main/Unprotected Steel	0.1154	NA	NA	NA	NA	NA
Main/Unprotected Steel	0.1154	NA	NA	NA	NA	NA
Main/Unprotected Steel	0.1154	NA	NA	NA	NA	NA
Main/Vintage* Protected Steel	0.1154	0	975	36	0	1,010
Main/Protected Steel	0.1154	0	2,652	44	2,641	5,337
Main/Protected Steel	0.1154	NA	NA	NA	NA	NA
Main/Protected Steel	0.1154	NA	NA	NA	NA	NA
Main/Unknown	0.1154	NA	NA	NA	NA	NA
Service/Vintage* Plastic	0.1154	0	700	9	0	710
Service/Plastic	0.1154	NA	NA	NA	NA	NA
Service/Plastic	0.1154	NA	NA	NA	NA	NA
Service/Plastic	0.1154	0	503	2	366	871
Service/Unprotected Steel	0.1154	NA	NA	NA	NA	NA
Service/Unprotected Steel	0.1154	NA	NA	NA	NA	NA
Service/Unprotected Steel	0.1154	NA	NA	NA	NA	NA
Service/Vintage* Protected Steel	0.1154	0	1,128	6	0	1,134
Service/Protected Steel	0.1154	NA	NA	NA	NA	NA
Service/Protected Steel	0.1154	NA	NA	NA	NA	NA
Service/Protected Steel	0.1154	3	4,351	54	4,594	9,003
Service/Copper	0.1154	NA	NA	NA	NA	NA
Service/Copper	0.1154	NA	NA	NA	NA	NA
Service/Copper	0.1154	NA	NA	NA	NA	NA
Service/Unknown	0.1154	NA	NA	NA	NA	NA
Total	N/A	9	12,285	158	7,778	20,230

O&M leaks include any other pipeline leaks that are discovered during the year from operations and maintenance activity, third party and gas odor reports, etc. that are not accounted for in other categories of this worksheet.

The cells below should be used for calculating emissions when a risk based leak detection and repair practice is used by the Utility. This table is intended to help categorize emissions associated with large leaks (Super Emitters (SEs)), and non-large leaks (non-SEs).

	2024 Emissions from Leaks detected Prior to 2024 (Mscf)	2024 Emissions from Leaks Detected from 2024 Survey (Mscf)	2024 Emissions from O&M* Leaks Detected in 2024 (Mscf)	2024 Estimated Emissions from Unknown Leaks (Mscf)	Total Estimated 2024 Emissions from Distribution Pipelines

Large Leak Emitter Program					
Compliance Leak Survey - Non-LL					-
Compliance Leak Survey - LL					-
Large Leak Emitter Program Outside Compliance Area - Non-LL					-
Large Leak Emitter Program Outside Compliance Area - LL					-
O&M - Non-LL					-
O&M - LL					-
TOTAL	-	-	-	-	-

Please Provide the following:	Total Count
The portion of the survey mileage that includes mileage that is surveyed multiple times per year. Repeated mileage will not be accounted for in the unknown leak calculation.	0

Burbank Main & Service Pipeline Damage (3rd party dig, natural disasters, etc.)																			
ID	Segment Location	Damage Type	Pipe Classification	Pipe Material	Pipe Size (nominal)	Pipe Age (years)	Pressure (psi)	Loss Grade	Above Ground	Inventory Date (MM/DD/YYYY)	Repair Date (MM/DD/YYYY)	Number of Days Lost	Estimate Factor or Engineering Estimate (\$M/1000)	Annual Estimate (\$M)	Explanatory Notes / Comments				
200001	2001	E	NM	P	2"	25	Less than or equal to 60	1	0	1/1/2004	1/1/2004	1	18.00	18.00	Discontinuity estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 5.				
200017	91217	E	NM	P	2"	132	Less than or equal to 60	1	0	1/1/2004	1/1/2004	1	18.00	18.00	Discontinuity estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 5.				
200047	91224	E	NM	P	2"	375	Less than or equal to 60	1	0	1/1/2004	1/1/2004	1	1.40	1.40	Discontinuity estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 5.				
200068	92009	E	NM	P	2"	333	Less than or equal to 60	1	0	1/1/2004	1/1/2004	1	18.00	18.00	Discontinuity estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 5.				
200070	91217	E	NM	P	2"	132	Less than or equal to 60	1	0	1/1/2004	1/1/2004	1	1.40	1.40	Discontinuity estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 5.				
200082	92027	E	NM	P	2"	624	Less than or equal to 60	1	0	1/1/2004	1/1/2004	1	18.00	18.00	Discontinuity estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 5.				
200087	91214	E	NM	P	2"	275	Less than or equal to 60	1	0	1/1/2004	1/1/2004	1	1.40	1.40	Discontinuity estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 5.				
200076	92006	N	NM	P	2"	285	Less than or equal to 60	2	0	1/1/2004	1/1/2004	1	2,000	1,030	Discontinuity estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 5.				
200084	91214	E	NM	P	2"	275	Less than or equal to 60	1	0	1/1/2004	1/1/2004	1	1.40	1.40	Discontinuity estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 5.				
200054	92011	E	NM	P	2"	215	Less than or equal to 60	2	0	1/1/2004	1/1/2004	1	24.95	24.95	Discontinuity estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 5.				
200052	91214	E	NM	P	2"	465	Less than or equal to 60	1	0	1/1/2004	1/1/2004	1	1.40	1.40	Discontinuity estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 5.				
200058	92008	E	NM	P	1 1/2"	333	Less than or equal to 60	1	0	1/1/2004	1/1/2004	1	1.60	1.60	Discontinuity estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 5.				
200128	91209	O	NM	P	2"	503	Less than or equal to 60	1	0	1/1/2004	1/1/2004	1	1.60	1.60	Discontinuity estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 5.				
200126	92008	E	NM	P	1 1/2"	299	Less than or equal to 60	1	0	1/1/2004	1/1/2004	1	2.87	2.87	Discontinuity estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 5.				
200133	91209	E	NM	P	2"	335	Less than or equal to 60	1	0	1/1/2004	1/1/2004	1	1.60	1.60	Discontinuity estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 5.				
200129	92008	E	NM	P	1 1/2"	333	Less than or equal to 60	1	0	1/1/2004	1/1/2004	1	1.60	1.60	Discontinuity estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 5.				
200186	92009	E	NM	P	2"	333	Less than or equal to 60	1	0	1/1/2004	1/1/2004	1	1.60	1.60	Discontinuity estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix 5.				
200185	92011	N	NM	P	3 1/4"	673	Less than or equal to 60	1	0	1/1/2004	1/1/2004	1	1.60	1.60	Discontinuity estimated from population of similar events. See Explanatory Notes/Comments for Distribution Pipeline All Damages in Appendix				

[illegible]

SDG&E, 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 4; 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.

Distribution Main & Service Pipeline Blowdowns:

ID	Geographic Location	Number of Blowdown Events	Pipe Size (nominal) (inches)	Length of Pipe (feet)	Pressure (psi)	Annual Emissions (Mscf)	Explanatory Notes / Comments
N/A	SDG&E Territory	264	N/A	N/A	N/A	0.71	Distribution Odor Intensity Tests
N/A	SDG&E Territory	1	3"	25	320	0.03	ABANDONED HP MAIN PIPE
N/A	SDG&E Territory	1	6"	8	320	0.04	ABANDONED HP MAIN PIPE
N/A	SDG&E Territory	1	3/4"	23	55	0.00	ABANDONED MP MAIN PIPE
N/A	SDG&E Territory	1	1"	1,415	55	0.04	ABANDONED MP MAIN PIPE
N/A	SDG&E Territory	1	1 1/4"	15	55	0.00	ABANDONED MP MAIN PIPE
N/A	SDG&E Territory	1	1 1/2"	5,289	55	0.35	ABANDONED MP MAIN PIPE
N/A	SDG&E Territory	1	2"	2,367	55	0.26	ABANDONED MP MAIN PIPE
N/A	SDG&E Territory	1	3"	947	55	0.24	ABANDONED MP MAIN PIPE
N/A	SDG&E Territory	1	4"	362	55	0.16	ABANDONED MP MAIN PIPE
N/A	SDG&E Territory	1	6"	60	55	0.06	ABANDONED MP MAIN PIPE
N/A	SDG&E Territory	1	1"	58	55	0.00	ABANDONED MP MAIN PIPE
N/A	SDG&E Territory	1	1 1/4"	36,874	55	1.65	ABANDONED MP MAIN PIPE
N/A	SDG&E Territory	1	2"	155,133	55	14.91	ABANDONED MP MAIN PIPE
N/A	SDG&E Territory	1	3"	39,314	55	8.38	ABANDONED MP MAIN PIPE
N/A	SDG&E Territory	1	4"	77	55	0.03	ABANDONED MP MAIN PIPE
N/A	SDG&E Territory	1	6"	4	55	0.00	ABANDONED MP MAIN PIPE
N/A	SDG&E Territory	1	3/4"	24,364	55	0.36	ABANDONED MP SERVICE PIPE
N/A	SDG&E Territory	1	1"	1,188	55	0.03	ABANDONED MP SERVICE PIPE
N/A	SDG&E Territory	1	1 1/4"	628	55	0.03	ABANDONED MP SERVICE PIPE
N/A	SDG&E Territory	1	1 1/2"	1,068	55	0.07	ABANDONED MP SERVICE PIPE
N/A	SDG&E Territory	1	2"	145	55	0.02	ABANDONED MP SERVICE PIPE
N/A	SDG&E Territory	1	1/2"	174,377	55	0.86	ABANDONED MP SERVICE PIPE
N/A	SDG&E Territory	1	1"	25,028	55	0.73	ABANDONED MP SERVICE PIPE
N/A	SDG&E Territory	1	1 1/4"	15,492	55	0.69	ABANDONED MP SERVICE PIPE
N/A	SDG&E Territory	1	2"	1,287	55	0.12	ABANDONED MP SERVICE PIPE
BD-24-41	SDG&E Territory	9	18"	26	320	2.20	Distribution blowdown
BD-24-42	SDG&E Territory	16	24"	28	320	2.14	Distribution blowdown
BD-24-20	SDG&E Territory	1	20	525	320	0.04	Distribution Blowdown
BD-24-18	SDG&E Territory	1	15	14,256	320	3.68	Distribution Blowdown
BD-24-24	SDG&E Territory	1	20	264	320	0.01	Distribution Blowdown
BD-24-36	SDG&E Territory	1	20	10,032	320	8.07	Distribution Blowdown
BD-24-37	SDG&E Territory	1	20	4,224	320	6.84	Distribution Blowdown
BD-24-34	SDG&E Territory	1	15	6,336	320	1.64	Distribution Blowdown
BD-24-30	SDG&E Territory	1	15	6,336	320	3.82	Distribution Blowdown
BD-24-28	SDG&E Territory	1	20	3,854	320	3.45	Distribution Blowdown
BD-24-27	SDG&E Territory	1	10	4,594	320	0.09	Distribution Blowdown
BD-24-26	SDG&E Territory	1	20	9,979	320	7.03	Distribution Blowdown
BD-24-15	SDG&E Territory	1	15	14,256	320	2.33	Distribution Blowdown
Sum Total						71	

SDG&E, 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 4; 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 intentional release of natural gas for safety or maintenance purposes should be included on the Blowdowns worksheet.

Distribution Main & Service Pipeline Component Vented Emissions (see note above):

Total Number of Devices	Device Type	Bleed Rate	Manufacturer	Engineering or Manufacturer's based Estimate of Emissions	Annual Emissions (Mscf)	Explanatory Notes / Comments
Sum Total					0	

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.

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

Total Number of Devices	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
							Sum Total	0	

Appendix 4; Rev. 03/27/2025

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 Classification	MA = distribution main, above ground MB = distribution main, below ground DA = distribution service, above ground DB = distribution service, below ground
Pipe Material	C = copper CI = cast iron P = plastics (Acetyl, ABS, PE, PVC, etc.) 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	If the utility uses grades for above ground leaks, it is unnecessary to use the AH,AN, or AM designations. 1 = grade 1 2 = grade 2 2+ = grade 2+ 3 = grade 3 AH = Above Ground Hazardous synonymous with Grade 1. AN = Above Ground Non-Hazardous, synonymous with Grade 2 and 2+. AM = Above Ground Non-Hazardous Minor (akin to grade 3 below ground leak). N = non-graded or ungraded
Upgraded Leak Grade or Downgraded Leak Grade	U: Upgraded Leak such as a grade 2 or 3 leak that was surveyed again and changed designation to grade 1 or 2. D: downgraded leak, such as a grade 1 or 2 leak that was surveyed again and changed designation to grade 2 or 3.
Above Ground or Below Ground	A = Above Ground B = below ground

Leak Discovery Method	<p>S = Routine Leak Survey (This discovery method should be parsed and the emissions summarized into leaks carried over from before 2016, and those detected in 2016. The totals for these subcategories should be carried over to column C43 through D63 on the Unsurveyed Pipeline Leaks tab.)</p> <p>M = O&M (E.G. O&M Activities, Third party reports, customer odor reports etc.)</p> <p>O = Other (This will be grouped with M in the summary categorization of leaks.)</p>
Discovery Date (MM/DD/YY)	
Re-Grade 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)	<p>If leak is open, specify the scheduled date of repair;</p> <p>Otherwise type "M," signifying that the leak is being monitored with no scheduled date of repair;</p> <p>Then, provide the reason for not scheduling a repair in Column P.</p>
Reason for Not Scheduling a Repair	If Repair Date is blank, and Scheduled Repair Date (Column O) = "M", then provide the reason for not scheduling a repair.
Number of Days Leaking	<p>If the leak was discovered by survey in the year of interest, then assume leaking from January 1st of subject year <u>thru</u> repair date or December 31st of subject year, which ever is earlier. (E.G. Days Leaking = Repair - Jan 1st + 1 day.)</p> <p>(For days leaking for leaks carried over use January 1st as start date for emissions calculations.)</p> <p>For O&M discovered leaks, assume that the leak begins with the discovery date <u>thru</u> repair date or December 31st of subject year, whichever is earlier.</p>
Number of Days to Repair	<p>Use only Repair-Discovery +1. Do not use January 1st for time to repair.</p> <p>For regraded leaks, use Repair Date - Regrade Date +1.</p>
Emission Factor (Mscf/Day)	
Annual Emissions (Mscf)	
Explanatory Notes / Comments	
Unknown Leaks	
Facility/Material	
Total System Miles per material type	
Miles on Annual Survey [$M_{X,A}$]	

Miles on Multi-Year Survey Cycles [M_X^{Tot}]	
Survey Interval (yrs) [I]	
Miles Surveyed Annually from Multi-Year Survey Cycles [$M_{X,I}$]	
Total # of Leaks Detected from Survey [$N_{X,L}$]	
If using a 3-year trailing leak rate average then include - 2019 Annual Leak Rate [$R_{X,1}$]	
If using a 3-year trailing leak rate average then include - 2020 Annual Leak Rate [$R_{X,2}$]	
2022 Annual Leak Rate [$R_{X,3}$]	$R_{X,3} = \frac{N_{X,L}}{M_{X,A} + (I \times M_{X,I})}$
If applicable, then calculate the 3-year Average Leak Rate [Leaks / Mile / Yr]	$\overline{R}_X = \frac{1}{3} \sum_{i=1}^3 R_{X,i}$
# of Unknown Leaks	$N_{X,unk} = \overline{R}_X \times (M_X^{Tot} - M_{X,I}) \times \frac{I}{2}$
Total # of Leaks Detected from O&M* [$N_{X,O}$]	
Pipeline Leaks Summary	
Count of Leaks Carried over from Prior Year	Based on a leak start date prior to the first day of the year of interest.
Count of Leaks Discovered in the Year of Interest	The total number of leaks by grade or category discovered in the year of interest. If a leak is downgraded to not leaking, do not count it.
Count of Leaks Repaired in the Year of Interest	

Average Days to Repair Leaks	The average days to repair leaks should be baase on the formula: (Repair Date/Time minus Discovery Date/Time) plus (one day, unless using a discrete time stamp for leak repairs), then take the sum and divide by number of leaks repaired by grade to get the average days to repair.
Count of Estimated Unsurveyed Leaks in the Year of Interest	For leaks identified in Unsurveyed areas extrapolate the proportion of leak counts by grade that were found in the respective areas based on the year or periods used to estimate the unsurveyed leak count. If the unsurveyed leak count was based on the current year leak count by grade detected then use the current proportion of graded leak count applied to the unsurveyed leaks.
Count of Remaining Leaks at final day of the Year of Interest (12/31/xx)	This count is only of the actual leaks detected in the operator's system that have not been repaired as of 12/31 of the year of interest.
Emissions from Leaks Carried over from Prior Year.	Based on a leak start date prior to the first day of the year of interest. This includes leaks discovered through O&M and survey activities.
Emissions from Leaks Discovered in the Year of Interest.	The total number of leaks by grade or category discovered in the year of interest. This includes leaks discovered through O&M and survey activities.
Emissions from Estimated Unsurveyed Leaks in the Year of Interest	The emissions by grade would be on the same basis that used to extrapolate the count of leaks in the unsurveyed areas. For example: For leaks identified in Unsurveyed areas extrapolate the proportion of leak emissions by grade that were found in the respective areas based on the year or periods used to estimate the unsurveyed leak count. If the unsurveyed leak count was based on the current year leaks detected then use the current proportion of graded leaks applied to the unsurveyed leak emissions.
Total Emissions in the Year of Interest [Mscf of Natural Gas]	
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 Classification	MA = distriibution main, above ground MB = distriibution main, below ground DA = distribution service, above ground DB = distribution service, below ground

Pipe Material	C = copper CI = cast iron P = plastics (Acetal, ABS, PE, PVC, etc.) 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
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)	
Number of Days Leaking	<p>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.</p> <p>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.</p> <p>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.</p>
Emission Factor or Engineering Estimate (Mscf/Day)	
Annual Emissions (Mscf)	
Explanatory Notes / Comments	
Blowdowns	
ID	
Geographic Location	GIS, zip code, or equivalent

Number of Blowdown Events	If counting a series of small blowdowns associated with services such as MSA replacement, or Service pipe of small diameter or section length then enter total and the formula in the explanation column.
Pipe Size (nominal)	
Length of Pipe	
Pressure (psi)	MOP = maximum operating pressure over the past year
Annual Emissions (Mscf)	
Explanatory Notes / Comments	
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	
Engineering or Manufacturer's based Estimate of Emissions	
Annual Emissions (Mscf)	
Explanatory Notes / Comments	
Component Fugitive Leaks	
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	
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.

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 <u>thru</u> repair date or December 31st of subject year, whichever is earlier.
Emission Factor (Mscf/day)	
Annual Emission (Mscf)	
Explanatory Notes / Comments	