

SoCalGas, June 15th, 2026

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 2026 June Report

Appendix 6; Rev. 03/26/2026

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.

Response:

Customer Meter Total Leaks and Emissions (Informational Purposes Only):

Number of Meters	Meter Type	Emission Factor (Mscf/yr)	Annual Emissions (Mscf)
5,938,904	Residential	0.148	878,958
247,687	Commercial	0.051	12,632
23,554	Industrial	0.051	1,201
Sum Total			892,791

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

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 2026 June Report
 Appendix 6; Rev. 03/26/2026

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 Emissions from Leaks Detected from Survey. At utilities request, fill out with two, three, or four categories that correspond to the bubble-size classification and label the type of leak, whether AG-Haz, or AG-Non-Haz

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

The term "Non-leaker EF" aligns with CARB's definition for "No Bubble EF" for the event of finding a leak even though not through bubble testing

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 (Column D).

To clarify the definition of O&M Leaks (Column K), the following criteria for O&M Leaks should be met: (1) occur stochastically across the whole territory, (2) are leak 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 G), 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.)

Please provide the additional information requested on lines 58-60.

Summary of Data by Meters Survey Interval and Results for Annual System Leak Rate and Resulting Number of Unknown Leaks for Each Meter

Meter Classification (AG-Haz, AG-Non-Haz); Bubble Size Category	Total System Meters per survey Cycle	Meters on Annual Survey [M _{xA}]	Meters on Multi-Year Survey Cycles [M _{xI}] ¹	Survey Interval (yrs) [I]	Meters Surveyed Annually from Multi-Year Survey Cycles [M _{xI}]	Total # of Leaks Detected from Survey [N _{xL}]	Annual Leak Rate [Leaks / Meter] $R_x = \frac{N_{xL}}{M_{xA} + (I \times M_{xI})}$	# of Unknown Leaks $N_{xunk} = \bar{R}_x \times (M_{xI}^{tot} - M_{xL}) \times \frac{1}{I}$	Total # of Leaks Detected from O&M* [N _{xO}]
Total Meters - AG Haz	6,210,145	3,630,939	2,579,206	5	515,841	1,681	0.00027	1,396.31	853
Total Meters - AG Non-Haz and Minor	6,210,145	3,630,939	2,579,206	5	515,841	30,219	0.00487	25,101.19	16,770
				1			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	
				1			-	-	
				3			-	-	
				5			-	-	

Account	2010-2011	2009-2010	2008-2009	2007-2008	2006-2007	2005-2006	2004-2005	2003-2004	2002-2003	2001-2002	2000-2001	1999-2000	1998-1999	1997-1998	1996-1997	1995-1996	1994-1995	1993-1994	1992-1993	1991-1992	1990-1991	1989-1990	1988-1989	1987-1988	1986-1987	1985-1986	1984-1985	1983-1984	1982-1983	1981-1982	1980-1981	1979-1980	1978-1979	1977-1978	1976-1977	1975-1976	1974-1975	1973-1974	1972-1973	1971-1972	1970-1971	1969-1970	1968-1969	1967-1968	1966-1967	1965-1966	1964-1965	1963-1964	1962-1963	1961-1962	1960-1961	1959-1960	1958-1959	1957-1958	1956-1957	1955-1956	1954-1955	1953-1954	1952-1953	1951-1952	1950-1951	1949-1950	1948-1949	1947-1948	1946-1947	1945-1946	1944-1945	1943-1944	1942-1943	1941-1942	1940-1941	1939-1940	1938-1939	1937-1938	1936-1937	1935-1936	1934-1935	1933-1934	1932-1933	1931-1932	1930-1931	1929-1930	1928-1929	1927-1928	1926-1927	1925-1926	1924-1925	1923-1924	1922-1923	1921-1922	1920-1921	1919-1920	1918-1919	1917-1918	1916-1917	1915-1916	1914-1915	1913-1914	1912-1913	1911-1912	1910-1911	1909-1910	1908-1909	1907-1908	1906-1907	1905-1906	1904-1905	1903-1904	1902-1903	1901-1902	1900-1901	1899-1900	1898-1999	1897-1998	1896-1997	1895-1996	1894-1995	1893-1994	1892-1993	1891-1992	1890-1991	1889-1990	1888-1991	1887-1992	1886-1993	1885-1994	1884-1995	1883-1996	1882-1997	1881-1998	1880-1999	1879-2000	1878-2001	1877-2002	1876-2003	1875-2004	1874-2005	1873-2006	1872-2007	1871-2008	1870-2009	1869-2010	1868-2011	1867-2012	1866-2013	1865-2014	1864-2015	1863-2016	1862-2017	1861-2018	1860-2019	1859-2020	1858-2021	1857-2022	1856-2023	1855-2024	1854-2025	1853-2026	1852-2027	1851-2028	1850-2029	1849-2030	1848-2031	1847-2032	1846-2033	1845-2034	1844-2035	1843-2036	1842-2037	1841-2038	1840-2039	1839-2040	1838-2041	1837-2042	1836-2043	1835-2044	1834-2045	1833-2046	1832-2047	1831-2048	1830-2049	1829-2050	1828-2051	1827-2052	1826-2053	1825-2054	1824-2055	1823-2056	1822-2057	1821-2058	1820-2059	1819-2060	1818-2061	1817-2062	1816-2063	1815-2064	1814-2065	1813-2066	1812-2067	1811-2068	1810-2069	1809-2070	1808-2071	1807-2072	1806-2073	1805-2074	1804-2075	1803-2076	1802-2077	1801-2078	1800-2079	1799-2080	1798-2081	1797-2082	1796-2083	1795-2084	1794-2085	1793-2086	1792-2087	1791-2088	1790-2089	1789-2090	1788-2091	1787-2092	1786-2093	1785-2094	1784-2095	1783-2096	1782-2097	1781-2098	1780-2099	1779-2100	1778-2101	1777-2102	1776-2103	1775-2104	1774-2105	1773-2106	1772-2107	1771-2108	1770-2109	1769-2110	1768-2111	1767-2112	1766-2113	1765-2114	1764-2115	1763-2116	1762-2117	1761-2118	1760-2119	1759-2120	1758-2121	1757-2122	1756-2123	1755-2124	1754-2125	1753-2126	1752-2127	1751-2128	1750-2129	1749-2130	1748-2131	1747-2132	1746-2133	1745-2134	1744-2135	1743-2136	1742-2137	1741-2138	1740-2139	1739-2140	1738-2141	1737-2142	1736-2143	1735-2144	1734-2145	1733-2146	1732-2147	1731-2148	1730-2149	1729-2150	1728-2151	1727-2152	1726-2153	1725-2154	1724-2155	1723-2156	1722-2157	1721-2158	1720-2159	1719-2160	1718-2161	1717-2162	1716-2163	1715-2164	1714-2165	1713-2166	1712-2167	1711-2168	1710-2169	1709-2170	1708-2171	1707-2172	1706-2173	1705-2174	1704-2175	1703-2176	1702-2177	1701-2178	1700-2179	1699-2180	1698-2181	1697-2182	1696-2183	1695-2184	1694-2185	1693-2186	1692-2187	1691-2188	1690-2189	1689-2190	1688-2191	1687-2192	1686-2193	1685-2194	1684-2195	1683-2196	1682-2197	1681-2198	1680-2199	1679-2200	1678-2201	1677-2202	1676-2203	1675-2204	1674-2205	1673-2206	1672-2207	1671-2208	1670-2209	1669-2210	1668-2211	1667-2212	1666-2213	1665-2214	1664-2215	1663-2216	1662-2217	1661-2218	1660-2219	1659-2220	1658-2221	1657-2222	1656-2223	1655-2224	1654-2225	1653-2226	1652-2227	1651-2228	1650-2229	1649-2230	1648-2231	1647-2232	1646-2233	1645-2234	1644-2235	1643-2236	1642-2237	1641-2238	1640-2239	1639-2240	1638-2241	1637-2242	1636-2243	1635-2244	1634-2245	1633-2246	1632-2247	1631-2248	1630-2249	1629-2250	1628-2251	1627-2252	1626-2253	1625-2254	1624-2255	1623-2256	1622-2257	1621-2258	1620-2259	1619-2260	1618-2261	1617-2262	1616-2263	1615-2264	1614-2265	1613-2266	1612-2267	1611-2268	1610-2269	1609-2270	1608-2271	1607-2272	1606-2273	1605-2274	1604-2275	1603-2276	1602-2277	1601-2278	1600-2279	1599-2280	1598-2281	1597-2282	1596-2283	1595-2284	1594-2285	1593-2286	1592-2287	1591-2288	1590-2289	1589-2290	1588-2291	1587-2292	1586-2293	1585-2294	1584-2295	1583-2296	1582-2297	1581-2298	1580-2299	1579-2300	1578-2301	1577-2302	1576-2303	1575-2304	1574-2305	1573-2306	1572-2307	1571-2308	1570-2309	1569-2310	1568-2311	1567-2312	1566-2313	1565-2314	1564-2315	1563-2316	1562-2317	1561-2318	1560-2319	1559-2320	1558-2321	1557-2322	1556-2323	1555-2324	1554-2325	1553-2326	1552-2327	1551-2328	1550-2329	1549-2330	1548-2331	1547-2332	1546-2333	1545-2334	1544-2335	1543-2336	1542-2337	1541-2338	1540-2339	1539-2340	1538-2341	1537-2342	1536-2343	1535-2344	1534-2345	1533-2346	1532-2347	1531-2348	1530-2349	1529-2350	1528-2351	1527-2352	1526-2353	1525-2354	1524-2355	1523-2356	1522-2357	1521-2358	1520-2359	1519-2360	1518-2361	1517-2362	1516-2363	1515-2364	1514-2365	1513-2366	1512-2367	1511-2368	1510-2369	1509-2370	1508-2371	1507-2372	1506-2373	1505-2374	1504-2375	1503-2376	1502-2377	1501-2378	1500-2379	1499-2380	1498-2381	1497-2382	1496-2383	1495-2384	1494-2385	1493-2386	1492-2387	1491-2388	1490-2389	1489-2390	1488-2391	1487-2392	1486-2393	1485-2394	1484-2395	1483-2396	1482-2397	1481-2398	1480-2399	1479-2400	1478-2401	1477-2402	1476-2403	1475-2404	1474-2405	1473-2406	1472-2407	1471-2408	1470-2409	1469-2410	1468-2411	1467-2412	1466-2413	1465-2414	1464-2415	1463-2416	1462-2417	1461-2418	1460-2419	1459-2420	1458-2421	1457-2422	1456-2423	1455-2424	1454-2425	1453-2426	1452-2427	1451-2428	1450-2429	1449-2430	1448-2431	1447-2432	1446-2433	1445-2434	1444-2435	1443-2436	1442-2437	1441-2438	1440-2439	1439-2440	1438-2441	1437-2442	1436-2443	1435-2444	1434-2445	1433-2446	1432-2447	1431-2448	1430-2449	1429-2450	1428-2451	1427-2452	1426-2453	1425-2454	1424-2455	1423-2456	1422-2457	1421-2458	1420-2459	1419-2460	1418-2461	1417-2462	1416-2463	1415-2464	1414-2465	1413-2466	1412-2467	1411-2468	1410-2469	1409-2470	1408-2471	1407-2472	1406-2473	1405-2474	1404-2475	1403-2476	1402-2477	1401-2478	1400-2479	1399-2480	1398-2481	1397-2482	1396-2483	1395-2484	1394-2485	1393-2486	1392-2487	1391-2488	1390-2489	1389-2490	1388-2491	1387-2492	1386-2493	1385-2494	1384-2495	1383-2496	1382-2497	1381-2498	1380-2499	1379-2500	1378-2501	1377-2502	1376-2503	1375-2504	1374-2505	1373-2506	1372-2507	1371-2508	1370-2509	1369-2510	1368-2511	1367-2512	1366-2513	1365-2514	1364-2515	1363-2516	1362-2517	1361-2518	1360-2519	1359-2520	1358-2521	1357-2522	1356-2523	1355-2524	1354-2525	1353-2526	1352-2527	1351-2528	1350-2529	1349-2530	1348-2531	1347-2532	1346-2533	1345-2534	1344-2535	1343-2536	1342-2537	1341-2538	1340-2539	1339-2540	1338-2541	1337-2542	1336-2543	1335-2544	1334-2545	1333-2546	1332-2547	1331-2548	1330-2549	1329-2550	1328-2551	1327-2552	1326-2553	1325-2554	1324-2555	1323-2556	1322-2557	1321-2558	1320-2559	1319-2560	1318-2561	1317-2562	1316-2563	1315-2564	1314-2565	1313-2566	1312-2567	1311-2568	1310-2569	1309-2570	1308-2571	1307-2572	1306-2573	1305-2574	1304-2575	1303-2576	1302-2577	1301-2578	1300-2579	1299-2580	1298-2581	1297-2582	1296-2583	1295-2584	1294-2585	1293-2586	1292-2587	1291-2588	1290-2589	1289-2590	1288-2591	1287-2592	1286-2593	1285-2594	1284-2595	1283-2596	1282-2597	1281-2598	1280-2599	1279-2600	1278-2601	1277-2602	1276-2603	1275-2604	1274-2605	1273-2606	1272-2607	1271-2608	1270-2609	1269-2610	1268-2611	1267-2612	1266-2613	1265-2614	1264-2615	1263-2616	1262-2617	1261-2618	1260-2619	1259-2620	1258-2621	1257-2622	1256-2623	1255-2624	1254-2625	1253-2626	1252-2627	1251-2628	1250-2629	1249-2630	1248-2631	1247-2632	1246-2633	1245-2634	1244-2635	1243-2636	1242-2637	1241-2638	1240-2639	1239-2640	1238-2641	1237-2642	1236-2643	1235-2644	1234-2645	1233-2646	1232-2647	1231-2648	1230-2649	1229-2650	1228-2651	1227-2652	1226-2653	1225-2654	1224-2655	1223-2656	1222-2657	1221-2658	1220-2659	1219-2660	1218-2661	1217-2662	1216-2663	1215-2664	1214-2665	1213-2666	1212-2667	1211-2668	1210-2669	1209-2670	1208-2671	1207-2672	1206-2673	1205-2674	1204-2675	1203-2676	1202-2677	1201-2678	1200-2679	1199-2680	1198-2681	1197-2682	1196-2683	1195-2684	1194-2685	1193-2686	1192-2687	1191-2688	1190-2689	1189-2690	1188-2691	1187-2692	1186-2693	1185-2694	1184-2695	1183-2696	1182-2697	1181-2698	1180-2699	1179-2700	1178-2701	1177-2702	1176-2703	1175-2704	1174-2705	1173-2706	1172-2707	1171-2708	1170-2709	1169-2710	1168-2711	1167-2712	1166-2713	1165-2714	1164-2715	1163-2716	1162-2717	1161-2718	1160-2719	1159-2720	1158-2721	1157-2722	1156-2723	1155-2724	1154-2725	1153-2726	1152-2727	1151-2728	1150-2729	1149-2730	1148-2731	1147-2732	1146-2733	1145-2734	1144-2735	1143-2736	1142-2737	1141-2738	1140-2739	1139-2740	1138-2741	1137-2742	1136-2743	1135-2744
---------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes the need for transparency and accountability in financial reporting.

2. The second part of the document outlines the various methods and techniques used to collect and analyze data. It includes a detailed description of the experimental procedures and the tools used for data collection.

3. The third part of the document presents the results of the study, including a comparison of the different methods and techniques used. It also discusses the limitations of the study and the need for further research.

4. The fourth part of the document provides a conclusion and a summary of the findings. It also includes a list of references and a list of figures and tables.

5. The fifth part of the document is a list of references, including books, articles, and other sources used in the study.

6. The sixth part of the document is a list of figures and tables, including a list of figures and a list of tables.

7. The seventh part of the document is a list of figures and tables, including a list of figures and a list of tables.

8. The eighth part of the document is a list of figures and tables, including a list of figures and a list of tables.

9. The ninth part of the document is a list of figures and tables, including a list of figures and a list of tables.

10. The tenth part of the document is a list of figures and tables, including a list of figures and a list of tables.

11. The eleventh part of the document is a list of figures and tables, including a list of figures and a list of tables.

12. The twelfth part of the document is a list of figures and tables, including a list of figures and a list of tables.

13. The thirteenth part of the document is a list of figures and tables, including a list of figures and a list of tables.

14. The fourteenth part of the document is a list of figures and tables, including a list of figures and a list of tables.

15. The fifteenth part of the document is a list of figures and tables, including a list of figures and a list of tables.

16. The sixteenth part of the document is a list of figures and tables, including a list of figures and a list of tables.

17. The seventeenth part of the document is a list of figures and tables, including a list of figures and a list of tables.

18. The eighteenth part of the document is a list of figures and tables, including a list of figures and a list of tables.

19. The nineteenth part of the document is a list of figures and tables, including a list of figures and a list of tables.

20. The twentieth part of the document is a list of figures and tables, including a list of figures and a list of tables.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes the need for transparency and accountability in financial reporting.

2. The second part of the document outlines the various methods and techniques used to collect and analyze data. It includes a detailed description of the experimental procedures and the statistical tools employed.

3. The third part of the document presents the results of the study, including a comparison of the different methods and a discussion of the implications of the findings.

4. The fourth part of the document concludes the study and provides a summary of the key findings and recommendations for future research.

5. The fifth part of the document contains a list of references and a bibliography of the sources used in the study.

6. The sixth part of the document includes a list of figures and tables that are used to illustrate the data and results.

7. The seventh part of the document contains a list of appendices and supplementary materials that provide additional information and data.

8. The eighth part of the document includes a list of footnotes and a glossary of terms used throughout the document.

9. The ninth part of the document contains a list of acknowledgments and a list of authors.

10. The tenth part of the document includes a list of contact information and a list of distribution channels.

11. The eleventh part of the document contains a list of related works and a list of references.

12. The twelfth part of the document includes a list of figures and tables that are used to illustrate the data and results.

13. The thirteenth part of the document contains a list of appendices and supplementary materials that provide additional information and data.

14. The fourteenth part of the document includes a list of footnotes and a glossary of terms used throughout the document.

15. The fifteenth part of the document contains a list of acknowledgments and a list of authors.

16. The sixteenth part of the document includes a list of contact information and a list of distribution channels.

17. The seventeenth part of the document contains a list of related works and a list of references.

18. The eighteenth part of the document includes a list of figures and tables that are used to illustrate the data and results.

19. The nineteenth part of the document contains a list of appendices and supplementary materials that provide additional information and data.

20. The twentieth part of the document includes a list of footnotes and a glossary of terms used throughout the document.

21. The twenty-first part of the document contains a list of acknowledgments and a list of authors.

22. The twenty-second part of the document includes a list of contact information and a list of distribution channels.

**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 2026 June Report
Appendix 6; Rev. 03/26/2026**

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.

Include items like the following in this tab (Note whether emissions are included in the MSA EF used to estimate emissions for the MSA population and show only the event count):

- Gas vented during all Regulator Change outs due to other than vent leakage.
- Large Customer MSA Regulator Inspection - External Regulator Inspections. List avg. amount vented.
- Large Customer MSA Regulator Inspection - Regulator change out & Internal Reg Inspection. List avg. amount vented.
- Diaphragm - CSF Read & Verify - List amount vented thru meter during read & verify order for decreased usage.
- Diaphragm - CSF Clock Test - List amount vented during Clock Test
- Diaphragm - CSF Registration Check - List amount ventedn during Registration Checks
- Diaphragm Size 1,2,3 Meter Change Out - List avg. gas vented on Size 1 Meter Change Out
- All Meter Change Out Size 4 thru 28 - List avg. gas vented for Size 5 to 10 Meter Change outs
- Field Meter Test of Diaphragm & Rotary - List avg. gas vented for Size 9 Meters
- Customer Orifice Meter Plate Insp. - Orifice Plate Inspected Monthly. List avg. amount vented

Response:

Customer Meter Blowdowns:

Number of Blowdowns	Meter Type	Emission Factor (Mscf/yr)	Annual Emissions (Mscf)	Explanatory Notes / Comments
1	CI	NA	0.004	Blowdown at Producer Site (BD-2025-2032)
1	CI	NA	0.373	Blowdown at Transmission MSA (BD-2025-1850)
7,105	CI	0.005	35.53	All Meter Change Out Size 4 thru 28 - Use avg. gas vented of 5 scf for Size 5 to 10 Meter Change outs
41,952	CI/R	0.001	41.95	Customer Service Regulator - Gas vented during all Regulator Change-outs. Estimated avg. gas vented = 1 scf/change-out.
248,186	CI/R	0.001	155.12	Diaphragm - CSF Registration Check - Vent 0.625 scf/inspection during Clock Test, Drop Test or Low flow Test
15,674	CI/R	0.020	313.48	Diaphragm - Read & Verify Order Conducted at 50% of Field Mtr Tests - Estimated avg. gas vented = 20 scf/ea.
143,729	CI/R	0.001	89.83	Diaphragm - Registration Check - Estimated avg. gas vented = 0.625 scf/ea.
39,477	CI/R	0.001	39.48	Diaphragm Size 1,2,3 Meter Change Out - Use avg. gas vented of 1 scf on Size 1 Meter Change Out
645	CI	0.005	3.23	Field Meter Test of Diaphragm & Rotary - Use avg. gas vented of 5 scf for Size 9 Meters
508	CI	0.030	15.24	Filter Changeout or Filter Inspection w/parts replacement - Estimated avg. gas vented = 30 scf/ea.
16,501	CI	0.002	33.00	Large Customer MSA Regulator Inspection - External Regulator Inspections @ 2 scf/insp.
5,307	CI	0.006	31.84	Large Customer MSA Regulator Inspection - Regulator change out & Internal Reg Inspection @ 6 scf/insp.
145	CI	0.018	2.61	Monthly Plate Inspections at Customer Orifice Meters - Estimated avg. gas vented = 18 scf/insp (Avg. Size = 20" @ 300 psig with top chamber volume 0.839 cf)
1,801	CI	0.020	36.02	Relief Valve Inspection at Customer MSAs - Estimated avg. gas vented = 20 scf/insp. (annual test with Nitrogen, gas vented is volume of gas in valve)
555	CI	0.005	2.78	Customer MSA M&R-Maintained Removals (Estimated gas vented 5 scf/ea.)
5,845	CI/R	0.001	5.85	Customer MSA Size 1-2 Standard Pressure Removals. Estimated avg vent 1 scf/ea.
649	CI/R	0.003	1.95	Customer MSA Size 3-4 Standard Pressure Removals. Estimated avg vent 3 scf/ea.
221	CI	0.030	6.63	Producer Filter Changeout or Filter Inspection w/parts replacement - Estimated avg. gas vented = 30 scf/ea.
9	CI	0.833	7.50	Producer Pipeline Drip Accumulation - Estimated avg. gas vented = 10,000 cfh for 5min/device
158	CI	0.020	3.16	Producer Relief Valve Inspection at Customer MSAs - Estimated avg. gas vented = 20 scf/insp.
236	CI	0.002	0.47	Producer Pneumatic Device Annual Inspection - Estimated avg. gas vented = 2 scf/insp. (Actuators & Controllers)
56	CI	0.025	1.40	Producer - Meters - 25 scf/inspection
114	CI	0.002	0.23	Producer - Gas chromatographs/analyzers - 2 scf/inspection
24	CI	0.833	20.00	Pipeline Drip Accumulation - Estimated avg. gas vented = 10,000 cfh for 5min/device
265	CI	0.030	7.95	Transmission maintained - Filter Changeout or Filter Inspection w/parts replacement - Estimated avg. gas vented = 30 scf/ea.
148	CI	0.020	2.96	Transmission maintained - Relief Valve Inspection at Customer MSAs - Estimated avg. gas vented = 20 scf/insp. (annual test with Nitrogen, gas vented is volume of gas in valve)
119	CI	0.002	0.24	Transmission maintained - Pneumatic Device Annual Inspection - Estimated avg. gas vented = 2 scf/insp. (Actuators & Controllers)
57	CI	0.002	0.11	Transmission maintained gas chromatographs/analyzers - 2 scf/inspection
309	CI	0.025	7.73	Transmission maintained meters - 25 scf/inspection
1	CI	0.002	0.00	Transmission maintained line breaks - Estimated avg. gas vented = 2 scf/insp
Sum Total			867	

SoCalGas, June 15th, 2026

**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 2026 June Report
Appendix 6; Rev. 03/26/2026**

Notes:

This worksheet is intended to capture the actual number of equipment and components in this asset category that vent emissions as a part of their design and normal function. By listing the number and types of components (not captured elsewhere in other templates) that vent emissions we hope to obtain information that may provide insight into how to evolve to a method of reporting emissions based on the actual number of units and types emitting rather than a crude population based estimate.

Currently, the component related leaks are accounted for in the population based estimate for MSAs and any estimate of emissions associated with this list of equipment and components will not be added to that total. This tab in not intended to replace or supplant the Vented and Blowdown Emissions tab which are activity based emissions.

No emissions estimates from this worksheet should be included in Appendix 8, as this is being collected for informational purposes at this time.

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.

Response:

Customer Meter Component/Equipment Vented Emissions (Informational Purposes Only):

ID (Number of Devices)	Geographic Location	Device Type	Bleed Rate	Manufacturer	Number of Days Emitting	Engineering or Manufacturer's based Estimate of Emissions	Annual Emissions (Mscf)	Explanatory Notes / Comments
79		P			365	0.0576	1,661	Controllers Transmission
42		P			365	0.0576	883	Positioners Transmission
Sum Total							2,544	

In Response to Data Request, Description and Definition of Required Contents (If not self-explanatory)	
Meter Leaks, Population Based	
Number of Meters	
Meter Type	CI = commercial or industrial meter R = residential meter
Emission Factor (Mscf/yr)	
Annual Emissions (Mscf)	
Identified MSA Leaks, Leaker	
ID	
Geographic Location	GIS, zip code, or equivalent
Meter Classification (Commercial/Industrial or Residential)	If available, indicate whether the meter is commercial or industrial "CI", or a residential "R" meter. If that information is not available then note as "N/A". CI = Commercial or Industrial R = Residential N/A = not available
Leak Classification (Grade)	AH = Above Ground Hazardous AN = Above Ground Non-hazardous AM = Above Ground Non-hazardous Minor If Above Ground, and operator uses the Bubble grading methodology with an alphanumeric grade, then provide an explanation for the meaning each grade in the notes above the table. For example: A = grade A - Large Leak or equates to with AH above with an approximate EF of 10,2035 scfh. B = grade B - Equates to AN above with an approximate EF of 0.5138 scfh. Etc. If the MSA leak is Below ground and not included in DM&S , then use the following grades: 1 = grade 1 2 = grade 2 3 = grade 3 N = Non-Graded
Leak Discovery Method	S = Routine Leak Survey M = O&M (e.g. O&M activities, third party reports, customer odor reports, etc.)
Discovery Date (DD/MM/YY)	
Leak Repair Date (MM/DD/YY)	Use the date the leak ceases emitting NG. The final repair may be completed after the leak has been stopped.
If not repaired by 12/31/xx List the Scheduled Date of Repair (DD/MM/YY)	If leak is open, specify the scheduled date of repair Otherwise 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 Comments column.
Reason for Not Scheduling a Repair	If repair hasn't been scheduled, then provide the reason for not scheduling a repair in this column. If using a reason code, then provide a table with codes and corresponding explanations.
Number of Days Leaking	Leak Duration (in days) = End Date + 1 day - Start date End Date: The repair date or December 31st of subject year, whichever is earlier. Start Date: If discovered by survey use January 1st or prior survey date whichever is more recent, or if an O&M or customer called in leak, then use discovery date for start of the leak. (Leaks carried over should use January 1st as start date for emissions calculations.) 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.
Number of Days to Repair.	Leak Discovery date minus repair date or 12/31 of the subject year plus 1 = number of days to repair for the subject year. Addition of 1 day to include the date repaired.
Comments or Additional Information	
Meter Leaks, Leak Count, Leaker	
Meter Classification (AG-Haz, AG-Non-Haz); Bubble Size Category	Utilities should add rows according to their bubble size categories and nomenclature, and should include a no-bubble category. For example, include a row for each: Foam/ Indeterminate; Bubbles; Soap Blown Off; and No Bubbles.
Total System Meters per survey Cycle	
Meters on Annual Survey [M _{yr}]	
Meters on Multi-Year Survey Cycles [M _{yr}] ^{tot}	
Survey Interval (yrs) [I]	
Meters Surveyed Annually from Multi-Year Survey Cycles [M _{yr}]	
Total # of Leaks Detected from Survey [N _{yr}]	

In Response to Data Request, Description and Definition of Required Contents (If not self-explanatory)	
Annual Leak Rate [Leaks / Meter]	$R_x = \frac{N_{xL}}{M_{x,A} + (I \times M_{x,I})}$
# of Unknown Leaks	$N_{x,unk} = R_x \times (M_x^{tot} - M_{x,I}) \times \frac{I}{2}$ If the operator changed the leak survey cycle during the report year that requires more detailed calculations based on the approved calculation methodology to determine the number of unknown leaks an additional worksheet may be added to show the calculations.
Total # of Leaks Detected from O&M* [N _{x,r}]	
All Damages	
ID	
Geographic Location	GIS, zip code, or equivalent
Damage Type	E = Excavation Damage N = natural force damage O = other outside force damage
Meter Type	CI = commercial or industrial meter R = residential meter
Leak Classification (Grade)	AH = Above Ground Hazardous AN = Above Ground Non-hazardous AM = Above Ground Non-hazardous Minor
Discovery Date (DD/MM/YY)	
Leak Repair Date (MM/DD/YY)	Use the date the leak ceases emitting NG. The final repair may be completed after the leak has been stopped.
If not repaired by 12/31/xx List the Scheduled Date of Repair (DD/MM/YY)	If leak is open, specify the scheduled date of repair. Otherwise 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 the Column provided.
Reason for Not Scheduling a Repair	Provide the reason for not scheduling a repair.
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.
Engineering Estimate (Mscf/Day)	
Annual Emissions (Mscf)	
Explanatory Notes / Comments	
Vented and Blowdown Emissions	
Number of Blowdowns	For metering set assembly (MSA)
Meter Type	CI = commercial or industrial meter R = residential meter
Emission Factor (Mscf/event)	
Annual Emissions (Mscf)	
Explanatory Notes / Comments	
Component Vented Emissions	
ID	
Geographic Location	GIS, zip code, or equivalent
Device Type	C = connector OE = open-ended line M = meter P = pneumatic device PR = pressure relief valve V = valve O = other devices
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.
Engineering or Manufacturer's based Estimate of Emissions	
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	