

## SDG&E

**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.  
and In Response to Data Request SDG&E R15-01-008 2017 June Report**

**Issued: March 31, 2017**

**Appendix 1**

Rev. 3/31/17

Pursuant to SB 1371, Leno - Natural gas: leakage abatement, the California Public Utilities Commission (CPUC) requests that the following information be transmitted to the CPUC and the State Air Resources Board (ARB):

Note - Definitions in Data Request SDG&E R15-01-008 **2017 June Report**

The following questions in the above mentioned data requests are answered using the spreadsheets in this Appendix (#1):

(2) A List of new graded and ungraded gas leaks discovered, tracked by geographic location in a Geographic Information System (GIS) or best equivalent, by grade, component or equipment, pipe size, schedule and material, pressure, age, date discovered and annual volume of gas leaked for each, by month, from January 1st through December 31st of the previous calendar year.

(3) List of graded and ungraded gas leaks repaired, tracked by geographic location in a Geographic Information System (GIS) or best equivalent, from January 1st through December 31st of the previous calendar year. Include the grade, component or equipment, pipe size, schedule and material, pressure, age, date discovered, date of repair, annual volume of gas leaked for each and the number of days from the time the leak was discovered until the date of repair.

(4) List of ALL open graded and ungraded leaks, regardless of when they were found, tracked by geographic location in a Geographic Information System (GIS) or best equivalent, that are being monitored or are scheduled to be repaired, from January 1st through December 31st of the previous calendar year. Include the grade, component or equipment, pipe size, schedule and material, pressure, age, date discovered, scheduled date of repair, and annual volume of methane leaked for each.

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:

### Transmission Pipeline Leaks:

ID	Geographic Location	Pipe Material	Pipe Size (nominal)	Pipe Age (months)	Pressure (psi)	Leak Grade	Above Ground or Below Ground	Discovery Date (MM/DD/YY)	Repair Date (MM/DD/YY)	Emission Factor (Mscf/Mile/Year)	Annual Emissions (Mscf)
Transmission	SDG&E Territory	PC	All	All	All	All	All	NA	NA	0.38	84.49
										Sum total	84.49

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Notes:

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Response:

**Transmission Pipeline Damage (3rd party dig-ins, natural disasters,  
etc.):**

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ID

Geographic  
Location

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*Note: No Damages*

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Note - Definitions in Data Request SDG&E R15-01-008 **2017 June Report**

The following question in the above mentioned data request is answered using the spreadsheets in this Appendix (#1):

(6) Calculable or estimated emissions and non-graded gas leaks, as defined in Data Request SDG&E R15-01-008 2017 June Report.

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:

**Transmission Pipeline Blowdowns:**

ID	Geographic Location	Number of Blowdown Events	Annual Emissions (Mscf)	Explanatory Notes / Comments
L-1602	91942	1	132.60	Equipment maintenance
L-1600	92027	2	129.39	Pigging Operation Launcher/Receiver Emission
L-1600	92028	2	1,566.80	Tie-In project
L-1600	92028	1	28.14	Pigging Operation Launcher/Receiver Emission
L-49-28	92109	3	157.97	Pipe section replacement
L-49-28	92110	2	358.89	Tie-In project
L-1605	92179	1	148.90	Purging new pipeline
L-1600	92592	2	589.17	Pigging Operation Launcher/Receiver Emission
L-1600	93268	1	8.05	Pigging Operation Launcher/Receiver Emission
L-49-15	91942/92020	1	146.16	Tie-In project
L-3011	92111/92145	1	16.20	Pipe section replacement
N/A	SDGE Territory	48	0.13	Transmission Odor Intensity Test
		Sum total	<b>3,282.41</b>	

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Notes:

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

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

**The emissions 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 in the Blowdowns worksheet.**

Response:

**Transmission Pipeline Component Vented Emissions:**

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**Total Number of Devices**

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*Notes: No devices.*

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

**The emissions captured on this tab represent the emissions associated unintentional leaks that if repaired would not leaking. If the component is releasing gas or "bleeding" as a result of its design or function then it is not to be captured in this tab.**

Response:

**Transmission Pipeline Component Fugitive Leaks:**

ID	Geographic Location	Device Type	Bleed Rate	Manufacturer	Discovery Date (MM/DD/YY)	Repair Date (MM/DD/YY)	Number of Days Leaking	Emission Factor (Mscf/day/dev)	Annual Emission (Mscf)	Explanatory Notes / Comments
10-164-90	92121	O	NA	Mueller	5/6/2016	5/6/2016	127	NA	NA	Valve component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.
10-164-57	92028	O	NA	NA	12/15/2016	12/15/2016	350	NA	NA	Other component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.
10-164-54	92154	O	NA	NA	12/14/2016	12/14/2016	349	NA	NA	Thread component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.
10-160-56	92123	O	NA	Swagelok	4/29/2016	4/29/2016	120	NA	NA	Fitting component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.
10-160-51	92123	O	NA	Becker	2/23/2016	2/26/2016	57	NA	NA	Other component on Transmission pipeline. Emissions accounted for by mileage-based INGAA Emission Factor.
Sum total									0	