


DOCKETED	
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Project Title:	Electricity and Gas Demand Forecast
TN #:	250240
Document Title:	Gas Transmission System Annual Report for PG&E 2023 IEPR Gas Demand Forms
Description:	Gas Transmission System Annual Report for PG&E 2023 IEPR Gas Demand Forms supporting documentation. This, along with five additional PHMSA reports and the CPUC General Order 112F Annual Report, are the most recent report submitted under California Public Utilities Commission General Order 112-F Section 123.
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Organization:	Pacific Gas and Electric Company
Submitter Role:	Applicant
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 <p>U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration</p>	<p>ANNUAL REPORT FOR CALENDAR YEAR 2022 NATURAL and OTHER GAS TRANSMISSION and GATHERING SYSTEMS</p>	<p>Initial Date Submitted</p> <p style="text-align: center;">03/08/2023</p>
		<p>Report Submission Type</p> <p style="text-align: center;">INITIAL</p>
		<p>Date Submitted</p>
<p>A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number. The OMB Control Number for this information collection is 2137-0522. Public reporting for this collection of information is estimated to be approximately 47 hours per response, including the time for reviewing instructions, gathering the data needed, and completing and reviewing the collection of information. All responses to this collection of information are mandatory. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Information Collection Clearance Officer, PHMSA, Office of Pipeline Safety (PHP-30) 1200 New Jersey Avenue, SE, Washington, D.C. 20590.</p> <p>Important: Please read the separate instructions for completing this form before you begin. They clarify the information requested and provide specific examples. If you do not have a copy of the instructions, you can obtain one from the PHMSA Pipeline Safety Community Web Page at http://www.phmsa.dot.gov/pipeline/library/forms.</p>		
<p>PART A - OPERATOR INFORMATION</p>		<p>DOT USE ONLY</p> <p style="text-align: center;">20230509 - 41915</p>
<p>1. OPERATOR'S 5 DIGIT IDENTIFICATION NUMBER (OPID)</p> <p style="text-align: center;">15007</p>	<p>2. NAME OF OPERATOR:</p> <p style="text-align: center;">PACIFIC GAS & ELECTRIC CO</p>	
<p>3. RESERVED</p>	<p>4. HEADQUARTERS ADDRESS:</p> <p>6121 BOLLINGER CANYON RD. Street Address</p> <p>SAN RAMON City State: CA Zip Code: 94583</p>	
<p>5. THIS REPORT PERTAINS TO THE FOLLOWING COMMODITY GROUP: (Select Commodity Group based on the predominant gas carried and complete the report for that Commodity Group. File a separate report for each Commodity Group included in this OPID.)</p> <p><input checked="" type="checkbox"/> Natural Gas <input type="checkbox"/> Synthetic Gas <input type="checkbox"/> Hydrogen Gas <input type="checkbox"/> Propane Gas <input type="checkbox"/> Landfill Gas <input type="checkbox"/> Other Gas</p> <p style="text-align: right;">Name of the Other Gas:</p>		
<p>6. RESERVED</p>		
<p>7. FOR THE DESIGNATED "COMMODITY GROUP", THE PIPELINES AND/OR PIPELINE FACILITIES INCLUDED WITHIN THIS OPID ARE: (Select one or both)</p> <p><input type="checkbox"/> INTERstate pipeline – List all of the States and OSC portions in which INTERstate pipelines and/or pipeline facilities included under this OPID exist. etc.</p> <p><input checked="" type="checkbox"/> INTRAsate pipeline – List all of the States in which INTRAsate pipelines and or pipeline facilities included under this OPID exist. CALIFORNIA etc.</p>		
<p>8. RESERVED</p>		

Use this form for Type A, B, and C gas gathering. Type R gas gathering is reported on Form PHMSA F 7100.2-3.

For the designated Commodity Group, PARTs B and D will be calculated based on the data entered in Parts L and P respectively. Complete Part C one time for all pipelines and/or pipeline facilities – both INTERstate and INTRAsate - included within this OPID.

PART B – TRANSMISSION PIPELINE HCA, §192.710, and in neither HCA nor §192.710 MILES				
	Number of HCA Miles	Number of §192.710 Miles	Number of Class Location 3 or 4 Miles that are neither in HCA nor in §192.710	Number of Class Location 1 or 2 Miles that are neither in HCA nor in §192.710
Onshore	1538.68	366.34	714.82	3752.11
Offshore	0	0	0	0
Total Miles	1538.68	366.34	714.82	3752.11

Part B1 – HCA Miles by Determination Method and Risk Model Type

Risk Model Type	Miles HCA Method 1	Miles HCA Method 2	Total
Subject Matter Expert (SME)	0	0	0
Relative Risk	0	0	0
Quantitative	177.45	1360.9	1538.35
Probabilistic	0	0	0
Scenario-Based	0	0	0
Other	0	0	0
Total	177.45	1360.9	1538.35

PART C - VOLUME TRANSPORTED IN TRANSMISSION PIPELINES (ONLY) IN MILLION SCF PER YEAR (excludes Transmission lines of Gas Distribution systems)		<input type="checkbox"/> Check this box and do not complete PART C if this report only includes gathering pipelines or transmission lines of gas distribution systems.	
	Onshore	Offshore	
Natural Gas	767798		
Propane Gas			
Synthetic Gas			
Hydrogen Gas			
Landfill Gas			
Other Gas - Name:			

PART D MILES OF PIPE BY MATERIAL AND CORROSION PREVENTION STATUS										
	Steel Cathodically protected		Steel Cathodically unprotected		Cast Iron	Wrought Iron	Plastic	Composite ¹	Other	Total Miles
	Bare	Coated	Bare	Coated						
Transmission										
Onshore	1.17	6365.32	0	0	0	0	5.44	0	0	6371.93
Offshore	0	0	0	0	0	0	0	0	0	0
Subtotal Transmission	1.17	6365.32	0	0	0	0	5.44	0	0	6371.93
Gathering										
Onshore Type A	0	0	0	0	0	0	0	0	0	0
Onshore Type B	0	0	0	0	0	0	0	0	0	0
Onshore Type C	0	0.58	0	0	0	0	0	0	0	0.58
Offshore	0	0	0	0	0	0	0	0	0	0
Subtotal Gathering	0	0.58	0	0	0	0	0	0	0	0.58
Total Miles	1.17	6365.9	0	0	0	0	5.44	0	0	6372.51

¹Use of Composite pipe requires a PHMSA Special Permit or waiver from a State

PART E – RESERVED

For the designated Commodity Group, complete PARTs F and G one time for all INTERstate gas transmission pipeline facilities included within this OPID and multiple times as needed for the designated Commodity Group for each State in which INTRAstate gas transmission pipeline facilities included within this OPID exist. Part F “WITHIN AN HCA SEGMENT” data and Part G may be completed only if HCA Miles in Part L is greater than zero.

Use this form for Type A, B, and C gas gathering. Type R gas gathering is reported on Form PHMSA F 7100.2-3.

PARTs F and G
<p>The data reported in these PARTs applies to: <i>(select only one)</i></p> <p><input type="checkbox"/> Interstate pipelines/pipeline facilities</p> <p><input checked="" type="checkbox"/> Intrastate pipelines/pipeline facilities in the State of CALIFORNIA <i>(complete for each State)</i></p>

PART F - INTEGRITY INSPECTIONS CONDUCTED AND ACTIONS TAKEN BASED ON INSPECTION	
1. MILEAGE INSPECTED IN CALENDAR YEAR USING THE FOLLOWING IN-LINE INSPECTION (ILI) TOOLS	
a. Corrosion or metal loss tools	494.9
b. Dent or deformation tools	486.6
c. Crack or long seam defect detection tools	140.6
d. Any other internal inspection tools, specify other tools:	0
e. Total tool mileage inspected in calendar year using in-line inspection tools. (Lines a + b + c + d)	1122.1
2. ACTIONS TAKEN IN CALENDAR YEAR BASED ON IN-LINE INSPECTIONS	
a. Based on ILI data, total number of anomalies excavated in calendar year because they met the operator's criteria for excavation.	163
b. Total number of anomalies repaired in calendar year that were identified by ILI based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment.	158
c. Total number of conditions repaired WITHIN AN HCA SEGMENT meeting the definition of:	97
1. "Immediate repair conditions" [192.933(d)(1)]	71
2. "One-year conditions" [192.933(d)(2)]	0
3. "Monitored conditions" [192.933(d)(3)]	4
4. Other "Scheduled conditions" [192.933(c)]	22
d. Total number of conditions repaired WITHIN A §192.710 SEGMENT:	0
e. Total number of conditions repaired WITHIN A CLASS LOCATION 3 OR 4 AND neither HCA nor §192.710 SEGMENT:	1
f. Total number of conditions repaired WITHIN A CLASS LOCATION 1 OR 2 AND neither HCA nor §192.710 SEGMENT:	60
3. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON PRESSURE TESTING	
a. Total mileage inspected by pressure testing in calendar year.	26.1
b. Total number of pressure test failures (ruptures and leaks) repaired in calendar year, both within an HCA Segment and outside of an HCA Segment.	0
c. Total number of pressure test ruptures (complete failure of pipe wall) repaired in calendar year WITHIN AN HCA SEGMENT.	0
d. Not used	

e. Total number of pressure test leaks (less than complete wall failure but including escape of test medium) repaired in calendar year WITHIN AN HCA SEGMENT.	0
f. Total number of pressure test failures (ruptures and leaks) repaired in calendar year WITHIN A CLASS LOCATION 3 OR 4 AND neither HCA nor §192.710 SEGMENT.	0
g. Total number of pressure test failures (ruptures and leaks) repaired in calendar year WITHIN A CLASS LOCATION 1 OR 2 AND neither HCA nor §192.710 SEGMENT.	0
4. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON DA (Direct Assessment methods)	
a. Total mileage inspected by each DA method in calendar year.	18.1
1. ECDA	15.7
2. ICDA	2.4
3. SCCDA	0
b. Total number of anomalies identified by each DA method and repaired in calendar year based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment.	7
1. ECDA	7
2. ICDA	0
3. SCCDA	0
c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of:	7
1. "Immediate repair conditions" [192.933(d)(1)]	0
2. "One-year conditions" [192.933(d)(2)]	0
3. "Monitored conditions" [192.933(d)(3)]	3
4. Other "Scheduled conditions" [192.933(c)]	4
d. Total number of conditions repaired WITHIN A §192.710 SEGMENT:	0
e. Total number of conditions repaired WITHIN A CLASS LOCATION 3 OR 4 AND neither HCA nor §192.710 SEGMENT:	0
f. Total number of conditions repaired WITHIN A CLASS LOCATION 1 OR 2 AND neither HCA nor §192.710 SEGMENT:	0
4.1 MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON GUIDED WAVE ULTRASONIC TESTING (GWUT)	
a. Total mileage inspected by GWUT method in calendar year.	0
b. Total number of anomalies identified by GWUT method and repaired in calendar year based on the operator's criteria, within an HCA Segment, within a §192.710 Segment, and outside of an HCA or §192.710 Segment.	0
c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of:	0
1. "Immediate repair conditions" [192 Appendix F, Section XIX]	0
2. "6-Month conditions" [192 Appendix F, Section XIX]	0
3. "12-Month conditions" [192 Appendix F, Section XIX]	0
4. "Monitored conditions" [192 Appendix F, Section XIX]	0
d. Total number of conditions repaired WITHIN A §192.710 SEGMENT:	0
e. Total number of conditions repaired WITHIN A CLASS LOCATION 3 OR 4 AND neither HCA nor §192.710 SEGMENT:	0
f. Total number of conditions repaired WITHIN A CLASS LOCATION 1 OR 2 AND neither HCA nor §192.710 SEGMENT:	0
4.2 MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON DIRECT EXAMINATION	
a. Total mileage inspected by DIRECT EXAMINATION method in calendar year.	0.2
b. Total number of anomalies identified by DIRECT EXAMINATION method and repaired in calendar year based on the operator's criteria, within an HCA Segment, within a §192.710 Segment, and outside of an HCA or §192.710 Segment.	7
c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of:	6
1. "Immediate repair conditions" [192.933(d)(1)]	0
2. "One-year conditions" [192.933(d)(2)]	0
3. "Monitored conditions" [192.933(d)(3)]	1
4. Other "Scheduled conditions" [192.933(c)]	5
d. Total number of conditions repaired WITHIN A §192.710 SEGMENT:	0

e. Total number of conditions repaired WITHIN A CLASS LOCATION 3 OR 4 AND neither HCA nor §192.710 SEGMENT:	0
f. Total number of conditions repaired WITHIN A CLASS LOCATION 1 OR 2 AND neither HCA nor §192.710 SEGMENT:	1
5. MILEAGE INSPECTED AND ACTIONS TAKEN IN CALENDAR YEAR BASED ON OTHER INSPECTION TECHNIQUES	
a. Total mileage inspected by inspection techniques other than those listed above in calendar year.	10.7
1.Other Inspection Techniques	Low Stress Reassessment
b. Total number of anomalies identified by other inspection techniques and repaired in calendar year based on the operator's criteria, both within an HCA Segment and outside of an HCA Segment.	8
c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT meeting the definition of:	5
1. "Immediate repair conditions" [192.933(d)(1)]	0
2. "One-year conditions" [192.933(d)(2)]	0
3. "Monitored conditions" [192.933(d)(3)]	0
4. Other "Scheduled conditions" [192.933©]	5
d. Total number of conditions repaired WITHIN A §192.710 SEGMENT:	0
e. Total number of conditions repaired WITHIN A CLASS LOCATION 3 OR 4 AND neither HCA nor §192.710 SEGMENT:	0
f. Total number of conditions repaired WITHIN A CLASS LOCATION 1 OR 2 AND neither HCA nor §192.710 SEGMENT:	3
6. TOTAL MILEAGE INSPECTED (ALL METHODS) AND ACTIONS TAKEN IN CALENDAR YEAR	
a. Total mileage inspected in calendar year. (Lines 1.e + 3.a + 4.a.1 + 4.a.2 + 4.a.3 + 5.a)	1177.2
b. Total number of anomalies repaired in calendar year both within an HCA Segment and outside of an HCA Segment. (Lines 2.b + 3.b + 4.b.1 + 4.b.2 + 4.b.3 + 5.b)	180
c. Total number of conditions repaired in calendar year WITHIN AN HCA SEGMENT. (Lines 2.c.1 + 2.c.2 + 2.c.3 + 2.c.4 + 3.c + 3.d + 4.c.1 + 4.c.2 + 4.c.3 + 4.c.4 + 5.c.1 + 5.c.2 + 5.c.3 + 5.c.4)	115
d. Total number of actionable anomalies eliminated by pipe replacement in calendar year WITHIN AN HCA SEGMENT:	25
e. Total number of actionable anomalies eliminated by pipe abandonment in calendar year WITHIN AN HCA SEGMENT:	0
f. Total number of conditions repaired in calendar year WITHIN A §192.710 SEGMENT. (Lines 2.d + 3.e + 4.d + 4.1.d + 4.2.d + 5.d)	0
g. Total number of actionable anomalies eliminated by pipe replacement in calendar year WITHIN A §192.710 SEGMENT:	0
h. Total number of actionable anomalies eliminated by pipe abandonment in calendar year WITHIN A §192.710 SEGMENT:	0
i. Total number of conditions repaired in calendar year WITHIN A CLASS LOCATION 3 OR 4 AND neither HCA nor §192.710 SEGMENT. (Lines 2.e + 3.f + 4.e + 4.1.e + 4.2.e + 5.e)	1
j. Total number of actionable anomalies eliminated by pipe replacement in calendar year WITHIN A CLASS LOCATION 3 OR 4 AND neither HCA nor §192.710 SEGMENT:	0
k. Total number of actionable anomalies eliminated by pipe abandonment in calendar year WITHIN A CLASS LOCATION 3 OR 4 AND neither HCA nor §192.710 SEGMENT:	0
l. Total number of conditions repaired in calendar year WITHIN A CLASS LOCATION 1 OR 2 AND neither HCA nor §192.710 SEGMENT. (Lines 2.f + 3.g + 4.f + 4.1.f + 4.2.f + 5.f)	64
m. Total number of actionable anomalies eliminated by pipe replacement in calendar year WITHIN A CLASS LOCATION 1 OR 2 AND neither HCA nor §192.710 SEGMENT:	35
n. Total number of actionable anomalies eliminated by pipe abandonment in calendar year WITHIN A CLASS LOCATION 1 OR 2 AND neither HCA nor §192.710 SEGMENT:	0

PART G-- MILES OF BASELINE ASSESSMENTS AND REASSESSMENTS COMPLETED IN CALENDAR YEAR (HCA Segment miles ONLY)	
a. Baseline assessment miles completed during the calendar year.	20.9
b. Reassessment miles completed during the calendar year.	139
c. Total assessment and reassessment miles completed during the calendar year.	159.9
d. §192.710 Segments Baseline assessment miles completed during the calendar year.	52.5
e. §192.710 Segments Reassessment miles completed during the calendar year.	0
f. §192.710 Segments Total assessment and reassessment miles completed during the calendar year.	52.5
g. CLASS LOCATION 3 OR 4 AND neither HCA nor §192.710 Segments assessment miles completed during the calendar year.	9.1
h. CLASS LOCATION 1 OR 2 AND neither HCA nor §192.710 Segments assessment miles completed during the calendar year.	293.6

Use this form for Type A, B, and C gas gathering. Type R gas gathering is reported on Form PHMSA F 7100.2-3.

For the designated Commodity Group, complete PARTs H, I, J, K, L, M, P, Q, R, S, and T covering INTERstate pipeline facilities for each State in which INTERstate systems exist within this OPID and again covering INTRAsate pipeline facilities for each State in which INTRAsate systems exist within this OPID.

PARTs H, I, J, K, L, M, P, Q, R, S, and T									
The data reported in these PARTs applies to: <i>(select only one)</i>									
<input type="checkbox"/> Interstate pipelines/pipeline facilities in the State of									
<input checked="" type="checkbox"/> Intrastate pipelines/pipeline facilities in the State of CALIFORNIA									
PART H - MILES OF TRANSMISSION PIPE BY NOMINAL PIPE SIZE (NPS)									
Onshore	NPS 4 or less	6	8	10	12	14	16	18	20
	585.1	611.6	705	481	806.5	0.1	433.1	60.7	152.1
	22	24	26	28	30	32	34	36	38
	26.4	378.4	133.7	0	138.2	18.8	1017.4	522.5	0
	40	42	44	46	48	52	56	58 and over	
	0	301.3	0	0	0	0	0	0	
	Additional Sizes and Miles (Size – Miles;): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0;								
6371.9	Total Miles of Onshore Pipe – Transmission								
Offshore	NPS 4 or less	6	8	10	12	14	16	18	20
	0	0	0	0	0	0	0	0	0
	22	24	26	28	30	32	34	36	38
	0	0	0	0	0	0	0	0	0
	40	42	44	46	48	52	56	58 and over	
	0	0	0	0	0	0	0	0	
	Additional Sizes and Miles (Size – Miles;): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0;								
0	Total Miles of Offshore Pipe – Transmission								

PART I - MILES OF GATHERING PIPE BY NOMINAL PIPE SIZE (NPS)									
Onshore Type A	NPS 4 or less	6	8	10	12	14	16	18	20
	0	0	0	0	0	0	0	0	0
	22	24	26	28	30	32	34	36	38
	0	0	0	0	0	0	0	0	0
	40	42	44	46	48	52	56	58 and over	
	0	0	0	0	0	0	0	0	0
	Additional Sizes and Miles (Size – Miles;): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0;								
0	Total Miles of Onshore Type A Pipe – Gathering								
Onshore Type B	NPS 4 or less	6	8	10	12	14	16	18	20
	0	0	0	0	0	0	0	0	0
	22	24	26	28	30	32	34	36	38
	0	0	0	0	0	0	0	0	0
	40	42	44	46	48	52	56	58 and over	
	0	0	0	0	0	0	0	0	
	Additional Sizes and Miles (Size – Miles;): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0;								
0	Total Miles of Onshore Type B Pipe – Gathering								
Onshore Type C	NPS 4 or less	6	8	10	12	14	16	18	20
			0.58	0	0	0	0	0	0
	22	24	26	28	30	32	34	36	38
	0	0	0	0	0	0	0	0	0
	40	42	44	46	48	52	56	58 and over	
	0	0	0	0	0	0	0	0	
	Other Pipe Sizes Not Listed: 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0;								
0.58	Total Miles of Onshore Type C Pipe – Gathering								
Offshore	NPS 4 or less	6	8	10	12	14	16	18	20
	0	0	0	0	0	0	0	0	0
	22	24	26	28	30	32	34	36	38
	0	0	0	0	0	0	0	0	0
	40	42	44	46	48	52	56	58 and over	

	0	0	0	0	0	0	0	0	0
	Additional Sizes and Miles (Size – Miles;): 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0; 0 - 0;								
0	Total Miles of Offshore Pipe – Gathering								

PART J – MILES OF PIPE BY DECADE INSTALLED							
Decade Pipe Installed	Unknown	Pre-40	1940 - 1949	1950 - 1959	1960 - 1969	1970 - 1979	1980-1989
Transmission							
Onshore	0	184.7	397.1	2087.8	1242.5	391.9	562.4
Offshore							
Subtotal Transmission	0	184.7	397.1	2087.8	1242.5	391.9	562.4
Gathering							
Onshore Type A	0	0	0	0	0	0	0
Onshore Type B	0	0	0	0	0	0	0
Onshore Type C	0	0	0	0	0.58	0	0
Offshore							
Subtotal Gathering	0	0	0	0	0.58	0	0
Total Miles	<i>0</i>	<i>184.7</i>	<i>397.1</i>	<i>2087.8</i>	<i>1243.08</i>	<i>391.9</i>	<i>562.4</i>

Decade Pipe Installed	1990 - 1999	2000 - 2009	2010 - 2019	2020 - 2029	Total Miles
Transmission					
Onshore	872.2	253.3	360.7	19.3	6371.9
Offshore					
Subtotal Transmission	872.2	253.3	360.7	19.3	6371.9
Gathering					
Onshore Type A	0	0	0	0	0
Onshore Type B	0	0	0	0	0
Onshore Type c	0	0	0	0	0.58
Offshore					
Subtotal Gathering	0	0	0	0	0.58
Total Miles	<i>872.2</i>	<i>253.3</i>	<i>360.7</i>	<i>19.3</i>	<i>6372.48</i>

PART K- MILES OF TRANSMISSION PIPE BY SPECIFIED MINIMUM YIELD STRENGTH					
ONSHORE	CLASS LOCATION				Total Miles
	Class 1	Class 2	Class 3	Class 4	
Steel pipe Less than 20% SMYS	393.8	125.98	1016.69	4.2	1540.67
Steel pipe Greater than or equal to 20% SMYS but less than 30% SMYS	402.64	135.14	638.55	1.76	1178.09
Steel pipe Greater than or equal to 30% SMYS but less than or equal to 40% SMYS	317.91	77.68	275.07	0.6	671.26
Steel pipe Greater than 40% SMYS but less than or equal to 50% SMYS	552.85	77.28	218.53	0	848.66
Steel pipe Greater than 50% SMYS but less than or equal to 60% SMYS	543.96	56.83	66.14	0	666.93
Steel pipe Greater than 60% SMYS but less than or equal to 72% SMYS	1426	32.37	0.7	0	1459.07
Steel pipe Greater than 72% SMYS but less than or equal to 80% SMYS	0.06	0	0	0	0.06
Steel pipe Greater than 80% SMYS	0	0	0	0	0
Steel pipe Unknown percent of SMYS	0.68	0.03	0.99	0	1.7
All Non-Steel pipe	2.22	0.91	2.37	0	5.5
Onshore Totals	3640.12	506.22	2219.04	6.56	6371.94
OFFSHORE	Class 1				
Steel pipe Less than or equal to 50% SMYS	0				
Steel pipe Greater than 50% SMYS but less than or equal to 72% SMYS	0				
Steel pipe Greater than 72% SMYS	0				
Steel Pipe Unknown percent of SMYS	0				
All non-steel pipe	0				
Offshore Total	0				
Total Miles	3640.12				6371.94

PART L - MILES OF PIPE BY CLASS LOCATION									
	Class Location				Total Class Location Miles	HCA Miles	§192.710 Miles	Class Location 3 or 4 Miles that are neither in HCA nor in §192.710	Class Location 1 or 2 Miles that are neither in HCA nor in §192.710
	Class 1	Class 2	Class 3	Class 4					
Transmission									
Onshore	3640.12	506.22	2219.04	6.56	6371.94	1538.68	366.34	714.82	3752.11
Offshore	0				0				
Subtotal Transmission	3640.12	506.22	2219.04	6.56	6371.94	1538.68	366.34	714.82	3752.11
Gathering									
Onshore Type A		0	0	0	0				
Onshore Type B		0	0	0	0				
Onshore Type C	0.58				0.58				
Offshore	0				0				
Subtotal Gathering	0.58	0	0	0	0.58				
Total Miles	3640.7	506.22	2219.04	6.56	6371.94	1538.68	366.34	714.82	3752.11

PART M – FAILURES, LEAKS, AND REPAIRS											
PART M1 – ALL LEAKS ELIMINATED/REPAIRED IN CALENDAR YEAR; INCIDENTS & FAILURES IN HCA SEGMENTS IN CALENDAR YEAR											
Cause	Transmission Leaks, and Failures							Gathering Leaks			
	Leaks						Failures in HCA Segments	Onshore Leaks			Offshore Leaks
	Onshore Leaks				Offshore Leaks						
	HCA	MCA	Class 3 & 4 non-HCA & non-MCA	Class 1 & 2 non-HCA & non-MCA	HCA	Non-HCA		Type A	Type B	Type C	
External Corrosion	3	0	0	1	0	0	29	0	0	0	0
Internal Corrosion	0	0	0	0	0	0	0	0	0	0	0
Stress Corrosion Cracking	0	0	0	0	0	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0	7	0	0	0	0
Construction	0	3	1	1	0	0	29	0	0	0	0
Equipment	36	15	16	63	0	0	23	0	0	4	0
Incorrect Operations	0	0	0	0	0	0	0	0	0	0	0
Third Party Damage/Mechanical Damage											
Excavation Damage	0	1	1	1	0	0	0	0	0	0	0
Previous Damage (due to Excavation Activity)	0	0	0	0	0	0	5	0	0	0	0
Vandalism (includes all Intentional Damage)	0	0	0	0	0	0	1	0	0	0	0
Weather Related/Other Outside Force											
Natural Force Damage (all)	0	0	0	0	0	0	0	0	0	0	0
Other Outside Force Damage (excluding Vandalism and all Intentional Damage)	0	0	0	0	0	0	0	0	0	0	0
Other	0	1	0	3	0	0	12	0	0	0	0
Total	39	20	18	69	0	0	106	0	0	4	0

PART M2 – KNOWN SYSTEM LEAKS AT END OF YEAR SCHEDULED FOR REPAIR					
Transmission		0	Gathering		0
PART M3 – LEAKS ON FEDERAL LAND OR OCS REPAIRED OR SCHEDULED FOR REPAIR					
Transmission			Gathering		
Onshore	3		Onshore Type A	0	
			Onshore Type B	0	
			Onshore Type C	0	
OCS	0		OCS	0	
Subtotal Transmission		3	Subtotal Gathering		0
Total		3			

PART P - MILES OF PIPE BY MATERIAL AND CORROSION PREVENTION STATUS										
	Steel Cathodically protected		Steel Cathodically unprotected		Cast Iron	Wrought Iron	Plastic	Composite ¹	Other ²	Total Miles
	Bare	Coated	Bare	Coated						
Transmission										
Onshore	1.17	6365.32	0	0	0	0	5.44	0	0	6371.93
Offshore	0	0	0	0	0	0	0	0	0	0
Subtotal Transmission	1.17	6365.32	0	0	0	0	5.44	0	0	6371.93
Gathering										
Onshore Type A	0	0	0	0	0	0	0	0	0	0
Onshore Type B	0	0	0	0	0	0	0	0	0	0
Onshore Type C	0	0.58	0	0	0	0	0	0	0	0.58
Offshore	0	0	0	0	0	0	0	0	0	0
Subtotal Gathering	0	0.58	0	0	0	0	0	0	0	0.58
Total Miles	1.17	6365.9	0	0	0	0	5.44	0	0	6372.51
¹ Use of Composite pipe requires PHMSA Special Permit or waiver from a State ² specify Other material(s): ;										

Part Q - Gas Transmission Miles by MAOP Determination Method														
by §192.619 and Other Methods														
	(a)(1) Total	(a)(1) Incomple te Record s	(a)(2) Total	(a)(2) Incomple te Record s	(a)(3) Total	(a)(3) Incomple te Record s	(a)(4) Total	(a)(4) Incomple te Record s	(c) Total	(c) Incomple te Record s	(d) Total	(d) Incomple te Record s	Other 1 Total	Other Incompl ete Records
Class 1 (in HCA)	42.09	0	10.99	0	3.17	3.17	1.38	0	8.18	1.4	0	0	1.57	0.01
Class 1 (in MCA)	168.86	0	106.6	0	17.68	17.22	4.96	0	77.69	59.15	0	0	7.28	0.8
Class 1 (not in HCA or MCA)	992.77		574.15		449.41		96.42		1030.91		0		45.78	
Class 2 (in HCA)	19.59	0	13.88	0	2.08	2.08	0.71	0	6.5	2.38	0	0	1.76	0.01
Class 2 (in MCA)	33.76	0	28.79	0	3.52	3.52	0.51	0	28.75	19.44	0	0	1.46	0.15
Class 2 (not in HCA or MCA)	89.63		119.44		28.45		13.77		107.79		0		5.83	
Class 3 (in HCA)	333.67	0	559.98	0	53.76	52.94	81.94	0	338.83	117.44	0	0	46.51	10.29
Class 3 (in MCA)	33.47	0	143.71	0	13.61	13.61	3.64	0	120.82	57.98	0	0	12.2	6.23
Class 3 (not in HCA or MCA)	52.83	0	206.29	0	22.94	22.94	9.51	0	158.56	90.1	0	0	15.79	9.03
Class 4 (in HCA)	2.4	0	2.4	0	0	0	0.1	0	0.88	0.27	0	0	0.07	0
Class 4 (in MCA)	0	0	0.16	0	0	0	0	0	0	0	0	0	0	0
Class 4 (not in HCA or MCA)	0.06	0	0.44	0	0	0	0	0	0.04	0.03	0	0	0.01	0
Total	1769.13	0	1766.83	0	594.62	115.48	212.94	0	1878.95	348.19	0	0	138.26	26.52
by §192.624 Methods														
	(c)(1) Total		(c)(2) Total		(c)(3) Total		(c)(4) Total		(c)(5) Total		(c)(6) Total			
Class 1 (in HCA)	0		0		0		0.19		0		0			
Class 1 (in MCA)	0		0		0		0		0		0			
Class 1 (not in HCA or MCA)	0		0		0		0.06		0		0			
Class 2 (in HCA)	0		0		0		0		0		0			
Class 2 (in MCA)	0		0		0		0		0		0			
Class 2 (not in HCA or MCA)	0.01		0		0		0		0		0			

Class 3 (in HCA)	6.03	0	0.01	0.03	0	0
Class 3 (in MCA)	2.32	0	0	0.01	0	0
Class 3 (not in HCA or MCA)	2.57	0	0	0.02	0	0
Class 4 (in HCA)	0	0	0	0	0	0
Class 4 (in MCA)	0	0	0	0	0	0
Class 4 (not in HCA or MCA)	0	0	0	0	0	0
Total	10.93	0	0.01	0.31	0	0

Total under 192.619(a), 192.619(c), 192.619(d) and Other	6360.73
Total under 192.624 (as allowed by 192.619(e))	11.25
Grand Total	6371.98
Sum of Total row for all "Incomplete Records" columns	490.19

Specify Other method(s):

Class 1(in HCA)	Other, Total: Includes both Other, Complete and Other, Incomplete. Other, Complete includes transmission miles installed on or after July 1, 1970 with TVC strength test records meeting Subpart J but TVC design records are not available. The MAOP of design is calculated using conservative engineering assumptions in accordance with D.11-06-019 and Public Utilities Code §958	Class 1(in MCA)	Other, Total: Includes both Other, Complete and Other, Incomplete. Other, Complete includes transmission miles installed on or after July 1, 1970 with TVC strength test records meeting Subpart J but TVC design records are not available. The MAOP of design is calculated using conservative engineering assumptions in accordance with D.11-06-019 and Public Utilities Code §958	Class 1(not in MCA or HCA)	Other, Total: Includes both Other, Complete and Other, Incomplete. Other, Complete includes transmission miles installed on or after July 1, 1970 with TVC strength test records meeting Subpart J but TVC design records are not available. The MAOP of design is calculated using conservative engineering assumptions in accordance with D.11-06-019 and Public Utilities Code §958
Class 2(in HCA)	Other, Total: Includes both Other, Complete and Other, Incomplete. Other, Complete includes transmission miles installed on or after July 1, 1970 with TVC strength test records meeting Subpart J but TVC design records are not available. The MAOP of design is calculated using conservative engineering assumptions in accordance with D.11-06-019 and Public Utilities Code §958	Class 2(in MCA)	Other, Total: Includes both Other, Complete and Other, Incomplete. Other, Complete includes transmission miles installed on or after July 1, 1970 with TVC strength test records meeting Subpart J but TVC design records are not available. The MAOP of design is calculated using conservative engineering assumptions in accordance with D.11-06-019 and Public Utilities Code §958	Class 2(not in MCA or HCA)	Other, Total: Includes both Other, Complete and Other, Incomplete. Other, Complete includes transmission miles installed on or after July 1, 1970 with TVC strength test records meeting Subpart J but TVC design records are not available. The MAOP of design is calculated using conservative engineering assumptions in accordance with D.11-06-019 and Public Utilities Code §958

<p>Class 3(in HCA)</p>	<p>Other, Total: Includes both Other, Complete and Other, Incomplete. Other, Complete includes transmission miles installed on or after July 1, 1970 with TVC strength test records meeting Subpart J but TVC design records are not available. The MAOP of design is calculated using conservative engineering assumptions in accordance with D.11-06-019 and Public Utilities Code §958</p>	<p>Class 3(in MCA)</p>	<p>Other, Total: Includes both Other, Complete and Other, Incomplete. Other, Complete includes transmission miles installed on or after July 1, 1970 with TVC strength test records meeting Subpart J but TVC design records are not available. The MAOP of design is calculated using conservative engineering assumptions in accordance with D.11-06-019 and Public Utilities Code §958</p>	<p>Class 3(not in MCA or HCA)</p>	<p>Other, Total: Includes both Other, Complete and Other, Incomplete. Other, Complete includes transmission miles installed on or after July 1, 1970 with TVC strength test records meeting Subpart J but TVC design records are not available. The MAOP of design is calculated using conservative engineering assumptions in accordance with D.11-06-019 and Public Utilities Code §958</p>
<p>Class 4(in HCA)</p>	<p>Other, Total: Includes both Other, Complete and Other, Incomplete. Other, Complete includes transmission miles installed on or after July 1, 1970 with TVC strength test records meeting Subpart J but TVC design records are not available. The MAOP of design is calculated using conservative engineering assumptions in accordance with D.11-06-019 and Public Utilities Code §958</p>	<p>Class 4(in MCA)</p>		<p>Class 4(not in MCA or HCA)</p>	<p>Other, Total: Includes both Other, Complete and Other, Incomplete. Other, Complete includes transmission miles installed on or after July 1, 1970 with TVC strength test records meeting Subpart J but TVC design records are not available. The MAOP of design is calculated using conservative engineering assumptions in accordance with D.11-06-019 and Public Utilities Code §958</p>

Part R – Gas Transmission Miles by Pressure Test (PT) Range and Internal Inspection

Location	PT ≥ 1.50 MAOP		1.5 MAOP > PT ≥ 1.39 MAOP	
	Miles Internal Inspection ABLE	Miles Internal Inspection NOT ABLE	Miles Internal Inspection ABLE	Miles Internal Inspection NOT ABLE
Class 1 in HCA	25.65	7.61	1.64	0.42
Class 2 in HCA	19.37	11.87	0.32	0
Class 3 in HCA	676.37	649.45	0.19	2.24
Class 4 in HCA	3.36	2.47	0	0
in HCA subTotal	724.75	671.4	2.15	2.66
Class 1 in MCA	77.39	103.83	1.84	4.8
Class 2 in MCA	26.55	37.54	0.16	0
Class 3 in MCA	32.66	232.42	0	2.59
Class 4 in MCA	0	0.16	0	0
in MCA subTotal	136.6	373.95	2	7.39
Class 1 not in HCA or MCA	415.58	1007.28	18.25	25.25
Class 2 not in HCA or MCA	77.67	213.77	5.55	1.19
Class 3 not in HCA or MCA	48.24	322.7	0	0.31
Class 4 not in HCA or MCA	0	0.51	0	0
not in HCA or MCA subTotal	541.49	1544.26	23.8	26.75
Total	1402.84	2589.61	27.95	36.8

Location	1.39 MAOP > PT ≥ 1.25 MAOP		1.25 MAOP > PT ≥ 1.1 MAOP		1.1 MAOP > PT or No PT	
	Miles Internal Inspection ABLE	Miles Internal Inspection NOT ABLE	Miles Internal Inspection ABLE	Miles Internal Inspection NOT ABLE	Miles Internal Inspection ABLE	Miles Internal Inspection NOT ABLE
Class 1 in HCA	30.99	0.1	0.96	0	0.02	0.17
Class 2 in HCA	11.43	0.01	0.8	0	0	0.72
Class 3 in HCA	2.03	0.18	0.09	0.04	1.02	89.15
Class 4 in HCA	0	0	0	0	0	0.01
in HCA subTotal	44.45	0.29	1.85	0.04	1.04	90.05
Class 1 in MCA	135.1	1.2	35.72	0.2	5.59	17.4
Class 2 in MCA	13.22	0	0.61	0.01	5.35	13.35
Class 3 in MCA	0	0	0	0	0.5	61.61
Class 4 in MCA	0	0	0	0	0	0
in MCA subTotal	148.32	1.2	36.33	0.21	11.44	92.36
Class 1 not in HCA or MCA	946.21	53.19	431.79	2.22	79.26	210.45
Class 2 not in HCA or MCA	22.52	4.78	2.15	0.42	4.98	31.89
Class 3 not in HCA or MCA	0.03	0.01	0	0.05	0.6	96.56
Class 4 not in HCA or MCA	0	0	0	0	0.03	0.01
not in HCA or MCA subTotal	968.76	57.98	433.94	2.69	84.87	338.91
Total	1161.53	59.47	472.12	2.94	97.35	521.32

PT ≥ 1.5 MAOP Total	3992.45	Total Miles Internal Inspection ABLE	3161.79
1.5 MAOP > PT ≥ 1.39 MAOP Total	64.75	Total Miles Internal Inspection NOT ABLE	3210.14
1.39 > PT ≥ 1.25 MAOP Total	1221	Grand Total	6371.93
1.25 MAOP > PT ≥ 1.1	475.06		
1.1 MAOP > PT or No PT Total	618.67		
Grand Total			

Part S – Gas Transmission Verification of Materials (192.607)		
Location	Miles 192.607 this Year	192.607 Number Test Locations this Year
Class 1 in HCA	0	0
Class 2 in HCA	0	1
Class 3 in HCA	0	163
Class 4 in HCA	0	1
Class 1 in MCA	0	3
Class 2 in MCA	0	22
Class 3 in MCA	0	87
Class 4 in MCA	0	0
Class 1 not in HCA or MCA	0	135
Class 2 not in HCA or MCA	0	10
Class 3 not in HCA or MCA	0	26
Class 4 not in HCA or MCA	0	1

Part T – HCA Miles by Determination Method and Risk Model Type			
Risk Model Type	Miles HCA Method 1	Miles HCA Method 2	Total
Subject Matter Expert (SME)	0	0	0
Relative Risk	0	0	0
Quantitative	177.45	1360.9	1538.35
Probabilistic	0	0	0
Scenario-Based	0	0	0
Other <i>describe:</i>	0	0	0
Total	177.45	1360.9	1538.35

For the designated Commodity Group, complete PART N one time for all of the pipelines and/or pipeline facilities included within this OPID, and then also PART O if any gas transmission pipeline facilities included within this OPID have Part L HCA mile value greater than zero.

PART N - PREPARER SIGNATURE	
Susie Richmond _____ Preparer's Name(type or print)	(925)786-0267 Telephone Number
Manager, Regulatory Compliance _____ Preparer's Title	
Susie.Richmond@pge.com _____ Preparer's E-mail Address	

PART O - CERTIFYING SIGNATURE (applicable only to PARTs B, F, G, and M1)	
_____ Christine Cowsert Senior Executive Officer's name certifying the information in PARTs B, F, G, and M as required by 49 U.S.C. 60109(f)	(415)238-0874 Telephone Number
Senior Vice President, Gas Engineering _____ Senior Executive Officer's title certifying the information in PARTs B, F, G, and M as required by 49 U.S.C. 60109(f)	
Christine.Cowsert@pge.com _____ Senior Executive Officer's E-mail Address	