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OMB NO: 2137-0522  
EXPIRATION DATE: 01/31/2014



U.S Department of Transportation  
Pipeline and Hazardous Materials Safety Administration

Form Type:

INITIAL

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(DOT use only)

20111072-16097

**ANNUAL REPORT FOR  
CALENDAR YEAR 2010  
GAS DISTRIBUTION SYSTEM**

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 16 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.

**PART A - OPERATOR INFORMATION**

1. Name of Operator	PACIFIC GAS & ELECTRIC CO
2. LOCATION OF OFFICE (WHERE ADDITIONAL INFORMATION MAY BE OBTAINED)	
2a. Street Address	375 N. WIGET LANE SUITE 170
2b. City and County	WALNUT CREEK, CONTRA COSTA
2c. State	CA
2d. Zip Code	94598
3. OPERATOR'S 5 DIGIT IDENTIFICATION NUMBER	15007
4. HEADQUARTERS NAME & ADDRESS	
4a. Street Address	77 BEALE STREET MAIL CODE N14A
4b. City and County	SAN FRANCISCO, SAN FRANCISCO
4c. State	CA
4d. Zip Code	94598
5. STATE IN WHICH SYSTEM OPERATES	CA

**PART B - SYSTEM DESCRIPTION**

**1. GENERAL**

	STEEL				PLASTIC	CAST/ WROUGHT IRON	DUCTILE IRON	COPPER	OTHER	TOTAL
	UNPROTECTED		CATHODICALLY PROTECTED							
	BARE	COATED	BARE	COATED						
MILES OF MAIN	209.450	0.000	0.000	20824.930	21052.980	125.380	0.000	0.000	0.000	42212.740
NO. OF SERVICES	16920.000	0.000	0.000	1217101.00 0	2083640.00 0	0.000	0.000	22183.000	0.000	3339844.0 00

**2.MILES OF MAINS IN SYSTEM AT END OF YEAR**

MATERIAL	UNKNOWN	2" OR LESS	OVER 2" THRU 4"	OVER 4" THRU 8"	OVER 8" THRU 12"	OVER 12"	TOTAL
STEEL	0.000	12661.420	5039.100	2566.730	410.110	357.020	21034.380
DUCTILE IRON	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COPPER	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CAST/WROUGHT IRON	0.000	0.650	69.060	45.690	6.190	3.790	125.380
PLASTIC PVC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PLASTIC PE	0.000	16536.260	3879.950	632.580	4.190	0.000	21052.980
PLASTIC ABS	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OTHER PLASTIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OTHER	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	29198.330	8988.110	3245.000	420.490	360.810	42212.740

**3.NUMBER OF SERVICES IN SYSTEM AT END OF YEAR**

**AVERAGE SERVICE LENGTH: 67**

MATERIAL	UNKNOWN	1" OR LESS	OVER 1" THRU 2"	OVER 2" THRU 4"	OVER 4" THRU 8"	OVER 8"	TOTAL
STEEL	0.000	1153659.000	75421.000	4386.000	551.000	4.000	1234021.000
DUCTILE IRON	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COPPER	0.000	22173.000	10.000	0.000	0.000	0.000	22183.000
CAST/WROUGHT IRON	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PLASTIC PVC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PLASTIC PE	0.000	2045689.000	36793.000	956.000	202.000	0.000	2083640.000
PLASTIC ABS	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OTHER PLASTIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OTHER	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	3221521.000	112224.000	5342.000	753.000	4.000	3339844.000

**4.MILES OF MAIN AND NUMBER OF SERVICES BY DECADE OF INSTALLATION**

	UNKNOWN	PRE-1940	1940-1949	1950-1959	1960-1969	1970-1979	1980-1989	1990-1999	2000-2009	2010-2019	TOTAL
MILES OF MAIN	0.000	2044.960	3264.790	6360.270	6385.140	7428.850	5826.330	5689.960	5152.250	60.190	42212.740
NUMBER OF SERVICES	0.000	116548.000	173557.000	427123.000	453527.000	652896.000	529797.000	512569.000	462603.000	11224.000	3339844.000

**PART C - TOTAL LEAKS AND HAZARDOUS LEAKS ELIMINATED/REPAIRED DURING THE YEAR**

CAUSE OF LEAK	MAINS		SERVICES	
	TOTAL	HAZARDOUS	TOTAL	HAZARDOUS
CORROSION	801	272	2224	1334
NATURAL FORCES	29	22	39	35
EXCAVATION DAMAGE	198	198	1415	1414
OTHER OUTSIDE FORCE DAMAGE	30	11	178	162
MATERIAL OR WELDS	668	309	3983	2255
EQUIPMENT	39	10	174	76
INCORRECT OPERATIONS	12	6	48	31
OTHER	482	179	3245	1113

NUMBER OF KNOWN SYSTEM LEAKS AT END OF YEAR SCHEDULED FOR REPAIR : 12233

**PART D - EXCAVATION DAMAGE**

NUMBER OF EXCAVATION DAMAGES: 1645

NUMBER OF EXCAVATION TICKETS : 470254

**PART E-EXCESS FLOW VALUE(EFV) DATA**

NUMBER OF EFV'S INSTALLED THIS CALENDER YEAR ON SINGLE FAMILY RESIDENTIAL SERVICES: 6826

ESTIMATED NUMBER OF EFV'S IN SYSTEM AT THE END OF YEAR: 75000

**PART F - LEAKS ON FEDERAL LAND**

TOTAL NUMBER OF LEAKS ON FEDERAL LAND REPAIRED OR SCHEDULED TO REPAIR: 16

**PART G-PERCENT OF UNACCOUNTED FOR GAS**

UNACCOUNTED FOR GAS AS A PERCENT OF TOTAL INPUT FOR THE 12 MONTHS ENDING JUNE 30 OF THE REPORTING YEAR.

INPUT FOR YEAR ENDING 6/30: 1.39%

**PART H - ADDITIONAL INFORMATION**

For 2010, PG&E is reporting 13,565 leak repairs on distribution facilities. This is a 77% reduction from the 2009 report of 58,089 leak repairs, but is still higher than PG&E had reported in prior years and likely higher than many other operators will report. There are two main factors which lead to PG&E's higher number of repairs: (1) PG&E surveyed approximately 18% more services than a normal year, due to the completion of its accelerated distribution leak survey in the first part of 2010, as well as the special leak surveys following the Ferndale Earthquake. (2) The second factor is the number of non-hazardous above ground leak repairs reported. Prior to 2009, PG&E did not include above ground, non-hazardous leaks at the customer service (shut-off) valve or on the meter set.

**PART I - PREPARER AND AUTHORIZED SIGNATURE**

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