



October 12, 2026

BY ELECTRONIC COMMUNICATION

Office of Energy Infrastructure Safety (Energy Safety)
California Natural Resources Agency
715 P Street, 20th Floor
Sacramento, CA 95814

Re: PG&E's Electrical Undergrounding Plan (EUP) Docket No. EUP-PGE Errata Ver. 1

Energy Safety:

Pursuant to Section 3.4 of the Office of Energy Infrastructure Safety's (Energy Safety's) 10-Year Electrical Undergrounding Plan Guidelines dated February 20, 2025 (Guidelines), Pacific Gas and Electric Company (PG&E) hereby submits its first errata for the EUP. This submission includes substantive errata and non-substantive errata identified to date, as indicated below. PG&E may submit additional errata in accordance with Section 3.4 of the Guidelines.

PG&E's substantive errata is listed in Table 1 below and non-substantive errata is listed in Table 2 below. For each correction, PG&E identifies the applicable EUP page, section, and table or figure and provides a description of and reason for the correction. Redlined pages showing the corrections are provided in the associated attachments.

Table 1. Substantive Errata Issues

Issue	Description / Reason for Correction	Application EUP Section(s), Page(s), Table(s) or Figures	Attachment Reference
Issue 1: Inflation adjustments not incorporated in instantaneous and	PG&E did not include inflationary adjustments to the monetized instantaneous and cumulative risk values. When cost escalation is applied, the resulting instantaneous and	Target/Timeline Table found in: • Vol 1, Chapter 2, Table 2-12 (p. 74); • Vol 2, Attachment A: Progress Report 0, Table A-2 (p. 429) • Vol 2, Attachment B, Workpaper 002 (p. 506)	See Attachment 1

Issue	Description / Reason for Correction	Application EUP Section(s), Page(s), Table(s) or Figures	Attachment Reference
cumulative risk values	cumulative reliability risk values increase.	Table PCS-4 <i>Instantaneous Risk Scores for Each KDMM</i> and Table PCS-5 <i>Cumulative Risk Scores for each KDMM</i> found in: - Vol 1, Chapter 9 (pp. 411-412) - Vol 2, Attach A-1, Portfolio Coversheet (pp. 455-456)	See Attachment 2
		- Table C.12 <i>Screen 3 Table</i>, Vol 2, Attach A-2, (p. 484) - Table C.15 <i>Project Index Table</i>, (p. 484), Vol 2, Attach. A-2	See Attachment 3 and tabular data ZIP file
		<i>JSON Model Risk Landscape</i> , Vol 2, Attachment A-4	See Attachment 4 and tabular data ZIP file
Issue 2: Customer Counts	Customer counts were inadvertently not updated after the analysis was refreshed using the full project scoping geometry. As a result, the reported customer counts reflected an outdated geospatial dataset.	SPD-37 Table 1: <i>Data Table</i> : Project as Scoped Customer Counts (Fields: customer_count_residential and customer_count_non_residential), Vol 2, Attachment D (pp. 1190-1192)	See Attachment 5 and tabular data ZIP file
Issue 3: SPD-37 Data Table 7: Nominal	PG&E is updating Table 7 to present annual O&M costs and savings in nominal dollars, incorporating inflation	SPD-37 Table 7: <i>Annual Costs (Capital and O&M) and O&M Savings</i> : All annual_costs_in_year_1 values where the RRU_ID is an Alt1 RRU, and where costs type is incremental om costs or	See Attachment 6 and

Issue	Description / Reason for Correction	Application EUP Section(s), Page(s), Table(s) or Figures	Attachment Reference
Values and Overhead Asset Life	over the life of the asset, rather than presenting 2028 dollar values for each year. We are also correcting the expected useful life of Overhead Hardening from 55 to 48 years.	incremental_om_savings Vol. 2, Attachment D (pp. 1226-1249)	tabular data ZIP file
Issue 4: Subproject justification outside Confirmed Project Polyline (CPPs)	PG&E is supplementing subproject justification for overlapping project geometry and assets located outside CPPs at Energy Safety's request.	Table C.14 (p. 484): Field: subproject_justification, Vol 2, Attachment A-2	See Attachment 7 and tabular data ZIP file
Issue 5: Unit cost savings corrections	PG&E inadvertently used outdated unit cost assumptions. The corrected assumptions reduce the unit cost savings per mile from \$220,000 to \$150,000 and the corresponding 10-year total savings from \$746 million to \$496 million.	Narrative, Vol 1, Chapter 5, Section C.3.c (p. 209)	See Attachment 8

Table 2. Non-Substantive Errata Issues

Issue	Description / Reason for Correction	Application EUP Section(s), Page(s), Table(s) or Figure(s)	Attachment Reference
Typographical corrections and inadvertent errors	Typographical corrections	EUP Narrative, Volume 1: • Chapter 1, Section D.3 (p.17): corrected the page number in footnote 29 • Chapter 1, Section D.3 (p.17): corrected the page number in footnote 32 • Chapter 1, Section D.3 (p. 18): Replaced Figure 1-2 to align with the associated workpaper 005 • Chapter 1, Section D.3 (p.18): corrected the page number in the note under the map • Chapter 1, Section D.3 (p.19): corrected the page number in the note under the map • Chapter 1, Section D.4 (p.20): corrected the page number in footnote 33 • Chapter 1, Section D.4 (p.20): corrected the page number in footnote 34 • Chapter 1, Section D.5 (p.21): corrected the page number in footnote 36 • Chapter 1, Section D.9 (p. 26): added a missing word	See Attachment 9 and tabular data ZIP file

Issue	Description / Reason for Correction	Application EUP Section(s), Page(s), Table(s) or Figure(s)	Attachment Reference
		- Chapter 1, Section D.9 (p. 26): corrected the page numbering footnote 49 - Chapter 2, Section D.2 (p. 56): minor corrections in the formulas on lines 1 and 21 Supporting Attachments, Volume 2: - Attachment A-2, Table C.8: corrected circuit ID on row 672 from SMUD 1580 to SMUD 15805.	

The corrections noted above were identified during our review of the EUP and during discussions with Energy Safety. Please let us know if you need any additional materials or clarifications.

Sincerely,

/s/ Justin Sadler

Justin Sadler
Sr. Director, Undergrounding Risk and
Execution Strategy

ATTACHMENT 1

TARGET TIMELINE TABLE

The Target Timeline Table is represented in:

- Vol 1, Chapter 2, Table 2-12 (p. 74)
- Vol 2, Attachment A: Progress Report 0, Table A-2 (p. 429)
- Vol 2, Attachment B, Workpaper 002 (p. 506)

TABLE 2-12:
TARGET/TIMELINE TABLE

Line No.	Year	Date Range	Miles Completed ^(a)	OH Miles De-energized	Cumulative Miles Completed ^(a)	Preconstruction Miles ^(b)	Unit Cost Target (Escalated) ^(c)	Unit Cost Target (Unescalated) ^(c)	Change in Instant Wildfire Risk Year 10 ^{(d)(e)}	Change in Cumulative Wildfire Risk Over 55 Years ^{(d)(e)}	Change in Instant Reliability Risk Year 10 ^{(d)(e)}	Change in Cumulative Reliability Risk Over 55 Years ^{(d)(e)}
	Units:	Date Range	Miles	Miles	Miles	Miles	Millions of Dollars/Mile	Millions of Dollars/Mile	Millions of Dollars	Millions of Dollars	Millions of Dollars	Millions of Dollars
1	1	1/1/2028 - 12/31/2028	250	200	250	650	\$3.05	\$3.05	~~\$18~~	~~\$1,085~~	~~\$42~~	~~\$2,959~~
									<u>\$22</u>	<u>\$2,221</u>	<u>\$51</u>	<u>\$6,289</u>
2	2	1/1/2029 - 12/31/2029	300	240	550	800	3.10	3.03	~~23~~	~~1,338~~	~~14~~	~~859~~
									<u>28</u>	<u>2,749</u>	<u>7</u>	<u>1,796</u>
3	3	1/1/2030 - 12/31/2030	350	280	900	1,000	3.14	3.00	~~24~~	~~1,200~~	~~34~~	~~1,945~~
									<u>25</u>	<u>2,484</u>	<u>37</u>	<u>4,106</u>
4	4	1/1/2031 - 12/31/2031	450	360	1,350	1,150	3.18	2.98	~~24~~	~~1,348~~	~~42~~	~~2,524~~
									<u>29</u>	<u>2,816</u>	<u>51</u>	<u>5,335</u>
5	5	1/1/2032 - 12/31/2032	550	440	1,900	1,225	3.23	2.96	~~24~~	~~1,351~~	~~39~~	~~2,967~~
									<u>30</u>	<u>2,846</u>	<u>48</u>	<u>6,613</u>
6	6	1/1/2033 - 12/31/2033	600	480	2,500	1,250	3.30	2.95	~~24~~	~~1,370~~	~~44~~	~~3,253~~
									<u>30</u>	<u>2,920</u>	<u>54</u>	<u>7,274</u>
7	7	1/1/2034 - 12/31/2034	625	500	3,125	1,250	3.36	2.94	~~23~~	~~1,277~~	~~48~~	~~3,222~~
									<u>28</u>	<u>2,759</u>	<u>58</u>	<u>7,185</u>
8	8	1/1/2035 - 12/31/2035	625	500	3,750	1,250	3.42	2.92	~~20~~	~~1,070~~	~~55~~	~~3,236~~
									<u>25</u>	<u>2,314</u>	<u>67</u>	<u>7,125</u>
9	9	1/1/2036 - 12/31/2036	625	500	4,375	625	3.49	2.91	~~47~~	~~927~~	~~64~~	~~4,440~~
									<u>21</u>	<u>2,031</u>	<u>75</u>	<u>9,319</u>
10	10	1/1/2037 - 12/31/2037	625	500	5,000	0	3.56	2.90	~~46~~	~~803~~	~~78~~	~~5,877~~
									<u>19</u>	<u>1,769</u>	<u>95</u>	<u>13,629</u>
11	End Total	12/31/2037	5,000	4,000	5,000	0			~~\$208~~	~~\$11,768~~	~~\$453~~	~~\$30,953~~
									<u>\$255</u>	<u>24,908</u>	<u>554</u>	<u>68,670</u>

- (a) Underground mileage is estimated by applying a 1.25 multiplier to the corresponding overhead mileage deenergized. The 2028 undergrounding mileage shown in the EUP Target/Timeline Table (250 miles) differs from the mileage approved in the 2026 WMP (400 miles). The difference is primarily due to the time needed to transition the program and its supporting structure to meet the EUP requirements. Once the EUP is approved, PG&E will update the WMP mileage at the appropriate time.
- (b) Pre-construction miles are calculated as the sum of undergrounding miles required to be in the planning process in the next two years that are needed to meet execution targets. These miles reflect the number of miles passing Screens 3 and 4. There is a two year-lead time for pre-construction miles (e.g., 650 miles in 2028 is the sum of planned miles for 2029 and 2030).
- (c) To establish 2028 unit cost values, 2025 actuals are escalated to 2028 dollars. The "Unit Cost Escalated" column reflects annual unit cost values further escalated from 2028 dollars to the dollar value in the applicable year (2028–2037). The "Unit Cost Unescalated" column reflects annual unit cost values presented in unescalated 2028 dollars and incorporates assumed unit cost reductions over time as program efficiencies are realized. Cost assumptions applied in the current WBCA model for Screen 2 are based on average 2028 unit costs; however, costs for individual projects may vary based on project-specific feasibility multipliers.
- (d) Instantaneous and cumulative risk values represent unmitigated Wildfire and Outage Program Risk for all years prior to Project completion, and post-mitigated risk from the year the Project is completed onward. PG&E applies the Risk Model Impact Factor, climate escalation, and inflation adjustments as described in this section.
- (e) Totals may not exactly equal the sum of individual values because figures are rounded independently.

ATTACHMENT 2
TABLE PCS-4 AND TABLE PCS-5

Table PCS-4 and Table PCS-5 are represented in:

- Vol 1, Chapter 9 (pp. 411-412)
- Vol 2, Attach A-1, Portfolio Coversheet (pp. 455-456)

**TABLE PCS-4:
INSTANTANEOUS RISK SCORES FOR EACH KDMM**

Line No.	Year	OUR (2028, \$M)	Ignition			Outage		
			Risk (2028, \$M)	Likelihood (Expected Ignitions per Year)	Conseq. (2028, \$M)	Risk (2028, \$M)	Likelihood (Expected Minutes per Year)	Conseq. (2028, \$M)
1	0	\$61.982	\$14.163	0.029	\$492.776	\$47.819	629.762	\$0.076
2	1	~~\$0.676~~ \$0.692	~~\$0.676~~ \$0.692	0.001	\$492.776	\$0.000	0.000	\$0.076
3	2	~~\$0.682~~ \$0.713	~~\$0.682~~ \$0.713	0.001	\$492.776	\$0.000	0.000	\$0.076
4	3	~~\$0.682~~ \$0.729	~~\$0.682~~ \$0.729	0.001	\$492.776	\$0.000	0.000	\$0.076
5	4	~~\$0.682~~ \$0.746	~~\$0.682~~ \$0.746	~~0.001~~ 0.002	\$492.776	\$0.000	0.000	\$0.076
6	5	~~\$0.682~~ \$0.763	~~\$0.682~~ \$0.763	~~0.001~~ 0.002	\$492.776	\$0.000	0.000	\$0.076
7	6	~~\$0.682~~ \$0.780	~~\$0.682~~ \$0.780	~~0.001~~ 0.002	\$492.776	\$0.000	0.000	\$0.076
8	7	~~\$0.682~~ \$0.798	~~\$0.682~~ \$0.798	~~0.001~~ 0.002	\$492.776	\$0.000	0.000	\$0.076
9	8	~~\$0.682~~ \$0.816	~~\$0.682~~ \$0.816	~~0.001~~ 0.002	\$492.776	\$0.000	0.000	\$0.076
10	9	~~\$0.684~~ \$0.835	~~\$0.684~~ \$0.835	~~0.001~~ 0.002	\$492.776	\$0.000	0.000	\$0.076
11	10	~~\$0.684~~ \$0.854	~~\$0.684~~ \$0.854	~~0.001~~ 0.002	\$492.776	\$0.000	0.000	\$0.076
12	15	~~\$0.684~~ \$0.955	~~\$0.684~~ \$0.955	~~0.001~~ 0.002	\$492.776	\$0.000	0.000	\$0.076
13	20	~~\$0.684~~ \$1.069	~~\$0.684~~ \$1.069	~~0.001~~ 0.002	\$492.776	\$0.000	0.000	\$0.076
14	25	~~\$0.695~~ \$1.221	~~\$0.695~~ \$1.221	~~0.001~~ 0.002	\$492.776	\$0.000	0.000	\$0.076
15	30	~~\$0.720~~ \$1.416	~~\$0.720~~ \$1.416	~~0.001~~ 0.003	\$492.776	\$0.000	0.000	\$0.076
16	35	~~\$0.745~~ \$1.640	~~\$0.745~~ \$1.640	~~0.002~~ 0.003	\$492.776	\$0.000	0.000	\$0.076
17	40	~~\$0.770~~ \$1.898	~~\$0.770~~ \$1.898	~~0.002~~ 0.004	\$492.776	\$0.000	0.000	\$0.076

Line No.	Year	OUR (2028, \$M)	Ignition			Outage		
			Risk (2028, \$M)	Likelihood (Expected Ignitions per Year)	Conseq. (2028, \$M)	Risk (2028, \$M)	Likelihood (Expected Minutes per Year)	Conseq. (2028, \$M)
18	45	~~\$0.796~~ <u>\$2.195</u>	~~\$0.796~~ <u>\$2.195</u>	~~0.002~~ <u>0.004</u>	\$492.776	\$0.000	0.000	\$0.076
19	50	~~\$0.822~~ <u>\$2.537</u>	~~\$0.822~~ <u>\$2.537</u>	~~0.002~~ <u>0.005</u>	\$492.776	\$0.000	0.000	\$0.076
20	55	~~\$0.848~~ <u>\$2.931</u>	~~\$0.848~~ <u>\$2.931</u>	~~0.002~~ <u>0.006</u>	\$492.776	\$0.000	0.000	\$0.076

Note: These values currently reflect Projects slated for 2028 in the UG workplan. As additional progress reports are issued, the table will be updated to account for the additional Projects (i.e., the 2028 year 0 will not change as there will not be additional Projects for 2028; however, year 1 will see an increase in all the values as the Projects for 2029 finish with scoping their values will get populated for years 1 onwards).

**TABLE PCS-5:
CUMULATIVE RISK SCORES FOR EACH KDMM**

Line No.	Year	OUR (2028, \$M)	Ignition			Outage		
			Risk (2028, \$M)	Likelihood (Expected Ignitions)	Conseq. (2028, \$M)	Risk (2028, \$M)	Likelihood (Expected Minutes)	Conseq. (2028, \$M)
1	0	\$61.982	\$14.163	0.029	\$492.776	\$47.819	629.762	\$0.076
2	1	~~\$1.347~~ <u>\$1.363</u>	~~\$1.347~~ <u>\$1.363</u>	0.003	\$492.776	\$0.000	0.000	\$0.076
3	2	~~\$2.029~~ <u>\$2.076</u>	~~\$2.029~~ <u>\$2.076</u>	0.004	\$492.776	\$0.000	0.000	\$0.076
4	3	~~\$2.710~~ <u>\$2.805</u>	~~\$2.710~~ <u>\$2.805</u>	0.006	\$492.776	\$0.000	0.000	\$0.076
5	4	~~\$3.392~~ <u>\$3.551</u>	~~\$3.392~~ <u>\$3.551</u>	0.007	\$492.776	\$0.000	0.000	\$0.076
6	5	~~\$4.073~~ <u>\$4.314</u>	~~\$4.073~~ <u>\$4.314</u>	~~0.008~~ <u>0.009</u>	\$492.776	\$0.000	0.000	\$0.076
7	6	~~\$4.755~~ <u>\$5.094</u>	~~\$4.755~~ <u>\$5.094</u>	0.010	\$492.776	\$0.000	0.000	\$0.076
8	7	~~\$5.437~~ <u>\$5.892</u>	~~\$5.437~~ <u>\$5.892</u>	~~0.011~~ <u>0.012</u>	\$492.776	\$0.000	0.000	\$0.076
9	8	~~\$6.118~~ <u>\$6.708</u>	~~\$6.118~~ <u>\$6.708</u>	~~0.012~~ <u>0.014</u>	\$492.776	\$0.000	0.000	\$0.076
10	9	~~\$6.800~~ <u>\$7.543</u>	~~\$6.800~~ <u>\$7.543</u>	~~0.014~~ <u>0.015</u>	\$492.776	\$0.000	0.000	\$0.076
11	10	~~\$7.481~~ <u>\$8.397</u>	~~\$7.481~~ <u>\$8.397</u>	~~0.015~~ <u>0.017</u>	\$492.776	\$0.000	0.000	\$0.076
12	15	~~\$10.887~~ <u>\$12.965</u>	~~\$10.887~~ <u>\$12.965</u>	~~0.022~~ <u>0.026</u>	\$492.776	\$0.000	0.000	\$0.076
13	20	~~\$14.292~~ <u>\$18.076</u>	~~\$14.292~~ <u>\$18.076</u>	~~0.029~~ <u>0.037</u>	\$492.776	\$0.000	0.000	\$0.076
14	25	~~\$17.724~~ <u>\$23.845</u>	~~\$17.724~~ <u>\$23.845</u>	~~0.036~~ <u>0.048</u>	\$492.776	\$0.000	0.000	\$0.076
15	30	~~\$21.273~~ <u>\$30.523</u>	~~\$21.273~~ <u>\$30.523</u>	~~0.043~~ <u>0.062</u>	\$492.776	\$0.000	0.000	\$0.076
16	35	~~\$24.948~~ <u>\$38.261</u>	~~\$24.948~~ <u>\$38.261</u>	~~0.054~~ <u>0.078</u>	\$492.776	\$0.000	0.000	\$0.076
17	40	~~\$28.748~~ <u>\$47.219</u>	~~\$28.748~~ <u>\$47.219</u>	~~0.058~~ <u>0.096</u>	\$492.776	\$0.000	0.000	\$0.076
18	45	~~\$32.676~~ <u>\$57.582</u>	~~\$32.676~~ <u>\$57.582</u>	~~0.066~~ <u>0.117</u>	\$492.776	\$0.000	0.000	\$0.076

Line No.	Year	OUR (2028, \$M)	Ignition			Outage		
			Risk (2028, \$M)	Likelihood (Expected Ignitions)	Conseq. (2028, \$M)	Risk (2028, \$M)	Likelihood (Expected Minutes)	Conseq. (2028, \$M)
19	50	~~\$36.733~~	~~\$36.733~~	~~0.075~~	\$492.776	\$0.000	0.000	\$0.076
		~~\$69.565~~	~~\$69.565~~	~~0.141~~				
20	55	~~\$40.921~~	~~\$40.921~~	~~0.083~~	\$492.776	\$0.000	0.000	\$0.076
		~~\$83.409~~	~~\$83.409~~	~~0.169~~				

Note: These values currently reflect Projects slated for 2028 in the UG workplan. As additional Progress Reports are issued, the table will be updated to account for the additional Projects (i.e., the 2028 year 0 will not change as there will not be additional Projects for 2028; however, year 1 will see an increase in all the values as the Projects for 2029 finish with scoping their values will get populated for years 1 onwards).

ATTACHMENT 3
TABLE C.12 AND TABLE C.15

Please see PGE_EUPERR_2026-10-12_Tabular Data_R0.zip and reference the following files:

- PGE_EUPERR_2026-10-12_T12_R0.csv
- PGE_EUPERR_2026-10-12_T15_R0.csv

ATTACHMENT 4

JSON RISK MODEL LANDSCAPE

Please see PGE_EUPERR_2026-10-12_Projects_R0.zip and reference:

- PGE_EUPERR_2026-10-12_Projects_R0.csv
- PGE_EUPERR_2026-10-12_Projects_R0.json

ATTACHMENT 5

SPD-37 TABLE 1

Please see PGE_EUPERR_2026-10-12_Attachment D_R0.zip and the PDF following this cover sheet and reference:

- PGE_EUPERR_2026-10-12_SPD37-T1_R0.csv

Note, the following fields have been revised but are not shown in redline because of the volume of changes made in the native CSV file format: customer_count_residential and customer_count_non_residential.

SPD-37 Table 1: Data Set

[illegible]

SPD-37 Table 1: Data Set

id	sub_assignment	sub_assignment_id	circuit_assignment	sub_assignment_id	proj_activity	status	customer_contact_residential	customer_contact_non_residential	state_jurisdiction_district	tranche_level	asset_system
PM0006-03-FGAS	PM0006	GERMAN 1105CB	GERMAN 1105CB	PM0006	ELP	ELCP	75	30	30	1	GERMAN 1105CB
PM0006-03-FGAS	PM0007	GERMAN 1105CB	GERMAN 1105CB	PM0007	ELP	ELCP	75	30	30	1	GERMAN 1105CB
PM0006-03-FGAS	PM0008	GERMAN 1105CB	GERMAN 1105CB	PM0008	ELP	ELCP	75	30	30	1	GERMAN 1105CB
PM0006-03-FGAS	PM0009	ALTO 1124CB	GEREYVILLE 112004170	PM0009	ELP	ELCP	18	24	24	2	GEREYVILLE 112004170
PM0006-03-FGAS	PM0010	LAURELLE 11120854	LAURELLE 11120854	PM0010	ELP	ELCP	339	29	29	1	LAURELLE 11120854
PM0006-03-FGAS	PM0011	JESSUP 11018682	JESSUP 11018682	PM0011	ELP	ELCP	127	16	16	1	JESSUP 11018682
PM0006-03-FGAS	PM0012	ELECTRA 11015CB	ELECTRA 11015CB	PM0012	ELP	ELCP	160	16	16	1	ELECTRA 11015CB
PM0006-03-FGAS	PM0013	MARISQA 210113070	MARISQA 210113070	PM0013	ELP	ELCP	217	8	8	1	MARISQA 210113070
PM0006-03-FGAS	PM0014	SAN RAFAEL 1100302	SAN RAFAEL 1100302	PM0014	ELP	ELCP	278	41	41	1	SAN RAFAEL 1100302
PM0006-03-FGAS	PM0022	KONCOTI 1102714370	KONCOTI 1102714370	PM0022	ELP	ELCP	90	5	5	1	KONCOTI 1102714370
PM0006-03-FGAS	PM0023	PLACERVILLE 11098712	PLACERVILLE 11098712	PM0023	ELP	ELCP	204	27	27	1	PLACERVILLE 11098712
PM0006-03-FGAS	PM0028	VOLTA 1105CB	VOLTA 1105CB	PM0028	ELP	ELCP	8	2	2	1	VOLTA 1105CB
PM0006-03-FGAS	PM0008	GERMAN 1105CB	GERMAN 1105CB	PM0008	ELP	ELCP	75	30	30	1	GERMAN 1105CB
PM0006-03-FGAS	PM0007	GERMAN 1105CB	GERMAN 1105CB	PM0007	ELP	ELCP	75	30	30	1	GERMAN 1105CB
PM0006-03-FGAS	PM0008	GERMAN 1105CB	GERMAN 1105CB	PM0008	ELP	ELCP	75	30	30	1	GERMAN 1105CB
PM0006-03-FGAS	PM0009	ALTO 1124CB	GEREYVILLE 112004170	PM0009	ELP	ELCP	18	24	24	2	GEREYVILLE 112004170
PM0006-03-FGAS	PM0010	LAURELLE 11120854	LAURELLE 11120854	PM0010	ELP	ELCP	339	29	29	1	LAURELLE 11120854
PM0006-03-FGAS	PM0011	JESSUP 11018682	JESSUP 11018682	PM0011	ELP	ELCP	127	16	16	1	JESSUP 11018682
PM0006-03-FGAS	PM0012	ELECTRA 11015CB	ELECTRA 11015CB	PM0012	ELP	ELCP	160	16	16	1	ELECTRA 11015CB
PM0006-03-FGAS	PM0013	MARISQA 210113070	MARISQA 210113070	PM0013	ELP	ELCP	217	8	8	1	MARISQA 210113070
PM0006-03-FGAS	PM0014	SAN RAFAEL 1100302	SAN RAFAEL 1100302	PM0014	ELP	ELCP	278	41	41	1	SAN RAFAEL 1100302
PM0006-03-FGAS	PM0022	KONCOTI 1102714370	KONCOTI 1102714370	PM0022	ELP	ELCP	90	5	5	1	KONCOTI 1102714370
PM0006-03-FGAS	PM0023	PLACERVILLE 11098712	PLACERVILLE 11098712	PM0023	ELP	ELCP	204	27	27	1	PLACERVILLE 11098712
PM0006-03-FGAS	PM0028	VOLTA 1105CB	VOLTA 1105CB	PM0028	ELP	ELCP	8	2	2	1	VOLTA 1105CB
PM0006-03-FGAS	PM0008	GERMAN 1105CB	GERMAN 1105CB	PM0008	ELP	ELCP	75	30	30	1	GERMAN 1105CB
PM0006-03-FGAS	PM0007	GERMAN 1105CB	GERMAN 1105CB	PM0007	ELP	ELCP	75	30	30	1	GERMAN 1105CB
PM0006-03-FGAS	PM0008	GERMAN 1105CB	GERMAN 1105CB	PM0008	ELP	ELCP	75	30	30	1	GERMAN 1105CB
PM0006-03-FGAS	PM0009	ALTO 1124CB	GEREYVILLE 112004170	PM0009	ELP	ELCP	18	24	24	2	GEREYVILLE 112004170
PM0006-03-FGAS	PM0010	LAURELLE 11120854	LAURELLE 11120854	PM0010	ELP	ELCP	339	29	29	1	LAURELLE 11120854
PM0006-03-FGAS	PM0011	JESSUP 11018682	JESSUP 11018682	PM0011	ELP	ELCP	127	16	16	1	JESSUP 11018682
PM0006-03-FGAS	PM0012	ELECTRA 11015CB	ELECTRA 11015CB	PM0012	ELP	ELCP	160	16	16	1	ELECT

SPD-37
Pacific Gas and Electric Company
Electrical Undergrounding Program
SPD-37 Table 1: Data Set

nu_m	subproject_M	subproject_M	circuit_segment_M	adr_circuit_segment_M	arc_activity_code	filings	customer_count_residential	customer_count_non_residential	swmr_hydroactive_device	branch_level	asset_system_M
Proj0001-SUG-AL1		Proj0001	MIWUK 1202CB			216	18	18	MIWUK 1202CB, 241 support structure, 0 capacitor bank, 8 fuses, 10 switch, 97 transformer		
Proj0002-SUG-AL1		Proj0002	MIWUK 1202CB			216	18	18	MIWUK 1202CB, 191 support structure, 0 capacitor bank, 8 fuses, 10 switch, 97 transformer		
Proj0003-SUG-AL1		Proj0003	FORESTHILL 1101CB			387	18	18	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 20 fuses, 11 switch, 115 transformer		
Proj0003-SUG-AL1		Proj0003	FORESTHILL 1101CB			387	18	18	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 20 fuses, 11 switch, 115 transformer		
Proj0003-SUG-AL1		Proj0003	FORESTHILL 1101CB			387	18	18	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 20 fuses, 11 switch, 115 transformer		
Proj0004-SUG-AL1		Proj0004	DUNBAR 110379642			6	1	1	DUNBAR 110379642, 12 support structure, 0 capacitor bank, 0 fuses, 2 switch, 6 transformer		
Proj0004-SUG-AL1		Proj0004	DUNBAR 110379642			6	1	1	DUNBAR 110379642, 12 support structure, 0 capacitor bank, 0 fuses, 2 switch, 6 transformer		
Proj0004-SUG-AL1		Proj0004	DUNBAR 110379642			6	1	1	DUNBAR 110379642, 12 support structure, 0 capacitor bank, 0 fuses, 2 switch, 6 transformer		
Proj0005-SUG-AL1		Proj0005	FORESTHILL 11011820			46	3	3	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuses, 8 switch, 26 transformer		
Proj0005-SUG-AL1		Proj0005	FORESTHILL 11011820			46	3	3	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuses, 8 switch, 26 transformer		
Proj0005-SUG-AL1		Proj0005	FORESTHILL 11011820			46	3	3	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuses, 8 switch, 26 transformer		
Proj0006-SUG-AL1		Proj0006	GRIVAN 1101CB			84	37	37	GRIVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuses, 8 switch, 15 transformer		
Proj0006-SUG-AL1		Proj0006	GRIVAN 1101CB			84	37	37	GRIVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuses, 8 switch, 15 transformer		
Proj0006-SUG-AL1		Proj0006	GRIVAN 1101CB			84	37	37	GRIVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuses, 8 switch, 15 transformer		
Proj0007-SUG-AL1		Proj0007	LOS GATOS 110782664			86	2	2	LOS GATOS 110782664, 140 support structure, 0 capacitor bank, 18 fuses, 2 switch, 40 transformer		
Proj0007-SUG-AL1		Proj0007	LOS GATOS 110782664			86	2	2	LOS GATOS 110782664, 140 support structure, 0 capacitor bank, 18 fuses, 2 switch, 40 transformer		
Proj0007-SUG-AL1		Proj0007	LOS GATOS 110782664			86	2	2	LOS GATOS 110782664, 140 support structure, 0 capacitor bank, 18 fuses, 2 switch, 40 transformer		
Proj0008-SUG-AL1		Proj0008	GEYSERVILLE 1102064170			26	35	35	GEYSERVILLE 1102064170, 273 support structure, 0 capacitor bank, 9 fuses, 1 switch, 75 transformer		
Proj0008-SUG-AL1		Proj0008	GEYSERVILLE 1102064170			26	35	35	GEYSERVILLE 1102064170, 273 support structure, 0 capacitor bank, 9 fuses, 1 switch, 75 transformer		
Proj0008-SUG-AL1		Proj0008	GEYSERVILLE 1102064170			26	35	35	GEYSERVILLE 1102064170, 273 support structure, 0 capacitor bank, 9 fuses, 1 switch, 75 transformer		
Proj0009-SUG-AL1		Proj0009	ALTO 1124430			723	48	48	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuses, 5 switch, 141 transformer		
Proj0009-SUG-AL1		Proj0009	ALTO 1124430			723	48	48	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuses, 5 switch, 141 transformer		
Proj0009-SUG-AL1		Proj0009	ALTO 1124430			723	48	48	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuses, 5 switch, 141 transformer		
Proj0010-SUG-AL1		Proj0010	LAURELES 111206454			492	42	42	LAURELES 111206454, 445 support structure, 1 capacitor bank, 25 fuses, 3 switch, 157 transformer		
Proj0010-SUG-AL1		Proj0010	LAURELES 111206454			492	42	42	LAURELES 111206454, 445 support structure, 1 capacitor bank, 25 fuses, 3 switch, 157 transformer		
Proj0010-SUG-AL1		Proj0010	LAURELES 111206454			492	42	42	LAURELES 111206454, 445 support structure, 1 capacitor bank, 25 fuses, 3 switch, 157 transformer		
Proj0011-SUG-AL1		Proj0011	EL DORADO PH 2101668674			428	30	30	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuses, 12 switch, 150 transformer		
Proj0011-SUG-AL1		Proj0011	EL DORADO PH 2101668674			428	30	30	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuses, 12 switch, 150 transformer		
Proj0011-SUG-AL1		Proj0011	EL DORADO PH 2101668674			428	30	30	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuses, 12 switch, 150 transformer		
Proj0012-SUG-AL1		Proj0012	JESSUP 110196362			254	26	26	JESSUP 110196362, 245 support structure, 2 capacitor bank, 17 fuses, 12 switch, 96 transformer		
Proj0012-SUG-AL1		Proj0012	JESSUP 110196362			254	26	26	JESSUP 110196362, 245 support structure, 2 capacitor bank, 17 fuses, 12 switch, 96 transformer		
Proj0012-SUG-AL1		Proj0012	JESSUP 110196362			254	26	26	JESSUP 110196362, 245 support structure, 2 capacitor bank, 17 fuses, 12 switch, 96 transformer		
Proj0013-SUG-AL1		Proj0013	BEN LOWMND 0401944178			440	41	41	BEN LOWMND 0401944178, 330 support structure, 1 capacitor bank, 24 fuses, 21 switch, 130 transformer		
Proj0013-SUG-AL1		Proj0013	BEN LOWMND 0401944178			440	41	41	BEN LOWMND 0401944178, 330 support structure, 1 capacitor bank, 24 fuses, 21 switch, 130 transformer		
Proj0013-SUG-AL1		Proj0013	BEN LOWMND 0401944178			440	41	41	BEN LOWMND 0401944178, 330 support structure, 1 capacitor bank, 24 fuses, 21 switch, 130 transformer		
Proj0014-SUG-AL1		Proj0014	WOODACRE 110281			91	4	4	WOODACRE 110281, 67 support structure, 0 capacitor bank, 0 fuses, 0 switch, 23 transformer		
Proj0014-SUG-AL1		Proj0014	WOODACRE 110281			91	4	4	WOODACRE 110281, 67 support structure, 0 capacitor bank, 0 fuses, 0 switch, 23 transformer		
Proj0014-SUG-AL1		Proj0014	WOODACRE 110281			91	4	4	WOODACRE 110281, 67 support structure, 0 capacitor bank, 0 fuses, 0 switch, 23 transformer		
Proj0015-SUG-AL1		Proj0015	ELECTRA 1101CB			178	11	11	ELECTRA 1101CB, 558 support structure, 0 capacitor bank, 18 fuses, 11 switch, 137 transformer		
Proj0015-SUG-AL1		Proj0015	ELECTRA 1101CB			178	11	11	ELECTRA 1101CB, 558 support structure, 0 capacitor bank, 18 fuses, 11 switch, 137 transformer		
Proj0015-SUG-AL1		Proj0015	ELECTRA 1101CB			178	11	11	ELECTRA 1101CB, 558 support structure, 0 capacitor bank, 18 fuses, 11 switch, 137 transformer		
Proj0016-SUG-AL1		Proj0016	MARPOCA 210110070			221	9	9	MARPOCA 210110070, 353 support structure, 0 capacitor bank, 18 fuses, 8 switch, 168 transformer		
Proj0016-SUG-AL1		Proj0016	MARPOCA 210110070			221	9	9	MARPOCA 210110070, 353 support structure, 0 capacitor bank, 18 fuses, 8 switch, 168 transformer		
Proj0016-SUG-AL1		Proj0016	MARPOCA 210110070			221	9	9	MARPOCA 210110070, 353 support structure, 0 capacitor bank, 18 fuses, 8 switch, 168 transformer		
Proj0017-SUG-AL1		Proj0017	SAN RAFAEL 1108192			1241	83	83	SAN RAFAEL 1108192, 431 support structure, 1 capacitor bank, 22 fuses, 13 switch, 141 transformer		
Proj0017-SUG-AL1		Proj0017	SAN RAFAEL 1108192			1241	83	83	SAN RAFAEL 1108192, 431 support structure, 1 capacitor bank, 22 fuses, 13 switch, 141 transformer		
Proj0018-SUG-AL1		Proj0018	OKLAND X 1104C258			528	16	16	OKLAND X 1104C258, 164 support structure, 1 capacitor bank, 14 fuses, 14 switch, 42 transformer		
Proj0018-SUG-AL1		Proj0018	OKLAND X 1104C258			528	16	16	OKLAND X 1104C258, 164 support structure, 1 capacitor bank, 14 fuses, 14 switch, 42 transformer		
Proj0018-SUG-AL1		Proj0018	OKLAND X 1104C258			528	16	16	OKLAND X 1104C258, 164 support structure, 1 capacitor bank, 14 fuses, 14 switch, 42 transformer		
Proj0019-SUG-AL1		Proj0019	WOODACRE 1102137662			1032	53	53	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuses, 8 switch, 130 transformer		
Proj0019-SUG-AL1		Proj0019	WOODACRE 1102137662			1032	53	53	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuses, 8 switch, 130 transformer		
Proj0019-SUG-AL1		Proj0019	WOODACRE 1102137662			1032	53	53	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuses, 8 switch, 130 transformer		
Proj0020-SUG-AL1		Proj0020	CAMP EVERS 210510294			190	8	8	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuses, 13 switch, 64 transformer		
Proj0020-SUG-AL1		Proj0020	CAMP EVERS 210510294			190	8	8	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuses, 13 switch, 64 transformer		
Proj0020-SUG-AL1		Proj0020	CAMP EVERS 210510294			190	8	8	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuses, 13 switch, 64 transformer		
Proj0021-SUG-AL1		Proj0021	STALWATER 11021466			429	23	23	STALWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuses, 8 switch, 219 transformer		
Proj0021-SUG-AL1		Proj0021	STALWATER 11021466			429	23	23	STALWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuses, 8 switch, 219 transformer		
Proj0021-SUG-AL1		Proj0021	STALWATER 11021466			429	23	23	STALWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuses, 8 switch, 219 transformer		
Proj0022-SUG-AL1		Proj0022	KONOCCHI 1102714370			112	6	6	KONOCCHI 1102714370, 107 support structure, 1 capacitor bank, 6 fuses, 2 switch, 26 transformer		
Proj0022-SUG-AL1		Proj0022	KONOCCHI 1102714370			112	6	6	KONOCCHI 1102714370, 107 support structure, 1 capacitor bank, 6 fuses, 2 switch, 26 transformer		
Proj0022-SUG-AL1		Proj0022	KONOCCHI 1102714370			112	6	6	KONOCCHI 1102714370, 107 support structure, 1 capacitor bank, 6 fuses, 2 switch, 26 transformer		
Proj0023-SUG-AL1		Proj0023	PLACERVILLE 21068712			214	8	8	PLACERVILLE 21068712, 595 support structure, 0 capacitor bank, 37 fuses, 11 switch, 173 transformer		
Proj0023-SUG-AL1		Proj0023	PLACERVILLE 21068712			214	8	8	PLACERVILLE 21068712, 595 support structure, 0 capacitor bank, 37 fuses, 11 switch, 173 transformer		
Proj0023-SUG-AL1		Proj0023	PLACERVILLE 21068712			214	8	8	PLACERVILLE 21068712, 595 support structure, 0 capacitor bank, 37 fuses, 11 switch, 173 transformer		
Proj0024-SUG-AL1		Proj0024	MENLO 110262458			14	16	16	MENLO 110262458, 41 support structure, 0 capacitor bank, 4 fuses, 4 switch, 11 transformer		
Proj0024-SUG-AL1		Proj0024	MENLO 110262458			14	16	16	MENLO 110262458, 41 support structure, 0 capacitor bank, 4 fuses, 4 switch, 11 transformer		
Proj0024-SUG-AL1		Proj0024	MENLO 110262458			14	16	16	MENLO 110262458, 41 support structure, 0 capacitor bank, 4 fuses, 4 switch, 11 transformer		
Proj0025-SUG-AL1		Proj0025	ALTO 11221260			396	11	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuses, 5 switch, 64 transformer		
Proj0025-SUG-AL1		Proj0025	ALTO 11221260			396	11	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuses, 5 switch, 64 transformer		
Proj0025-SUG-AL1		Proj0025	ALTO 11221260			396	11	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuses, 5 switch, 64 transformer		
Proj0026-SUG-AL1		Proj0026	CAMP EVERS 210504190			102	2	2	CAMP EVERS 210504190, 130 support structure, 0 capacitor bank, 9 fuses, 3 switch, 41 transformer		
Proj0026-SUG-AL1		Proj0026	CAMP EVERS 210504190			102	2	2	CAMP EVERS 210504190, 130 support structure, 0 capacitor bank, 9 fuses, 3 switch, 41 transformer		
Proj0026-SUG-AL1		Proj0026	CAMP EVERS 210504190			102	2	2	CAMP EVERS 210504190, 130 support structure, 0 capacitor bank, 9 fuses, 3 switch, 41 transformer		
Proj0027-SUG-AL1		Proj0027	CORTINA 1101302192			25	34	34	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuses, 13 switch, 66 transformer		
Proj0027-SUG-AL1		Proj0027	CORTINA 1101302192			25	34	34	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuses, 13 switch, 66 transformer		
Proj0027-SUG-AL1		Proj0027	CORTINA 1101302192			25	34	34	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuses, 13 switch, 66 transformer		
Proj0028-SUG-AL1		Proj0028	VOLTA 1102CB			8	3	3	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuses, 4 switch, 12 transformer		
Proj0028-SUG-AL1		Proj0028	VOLTA 1102CB			8	3	3	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuses, 4 switch, 12 transformer		
Proj0028-SUG-AL1		Proj0028	VOLTA 1102CB			8	3	3	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuses, 4 switch, 12 transformer		

SPD-37 Table 1: Data Set

[illegible]

SPD-37 Table 1: Data Set

	total_circuit_miles	total_circuit_miles_u	risk_ranking	accident_date	start_date	mitigation_type	undergrounding_mitigation_justification1	undergrounding_mitigation_justification2	status
Pos00004-3-0-0-PAS	1.23330300	1.23330300	0.12	1973	8/20/2000	3/27/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00007-3-0-0-PAS	8.18784803	8.18784803	0.12	1973	8/20/2000	3/27/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00008-3-0-0-PAS	21.1784497	21.1784497	0.12	1994	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00010-3-0-0-PAS	7.0000617886	7.0000617886	8.27	1064	8/20/2000	1/18/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00011-3-0-0-PAS	7.15656401	7.15656401	0.12	1111	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00012-3-0-0-PAS	4.64486995	4.64486995	0.12	977	8/20/2000	3/22/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00013-3-0-0-PAS	29.2823228	29.2823228	0.12	1060	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00015-3-0-0-PAS	29.6997947	29.6997947	8.51	1010	8/20/2000	7/27/2007	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00017-3-0-0-PAS	7.18784803	7.18784803	0.12	1000	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00022-3-0-0-PAS	2.41130002	2.41130002	1.29	1646	8/20/2000	2/10/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00023-3-0-0-PAS	26.7000206	26.7000206	0.48	947	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00028-3-0-0-PAS	3.33731118	3.33731118	1.49	447	8/20/2000	14/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00038-3-0-0-PAS	1.23330300	1.23330300	0.12	394	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00037-3-0-0-PAS	8.18784803	8.18784803	0.12	1973	8/20/2000	3/27/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00038-3-0-0-PAS	21.1784497	21.1784497	0.12	1994	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00039-3-0-0-PAS	7.0000617886	7.0000617886	8.27	1064	8/20/2000	1/18/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00010-3-0-0-PAS	7.15656401	7.15656401	0.12	1111	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00011-3-0-0-PAS	4.64486995	4.64486995	0.12	977	8/20/2000	3/22/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00013-3-0-0-PAS	29.2823228	29.2823228	0.12	1060	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00015-3-0-0-PAS	29.6997947	29.6997947	0.12	1010	8/20/2000	7/27/2007	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00017-3-0-0-PAS	7.18784803	7.18784803	0.12	1000	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00022-3-0-0-PAS	2.41130002	2.41130002	1.29	1646	8/20/2000	2/10/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00023-3-0-0-PAS	26.7000206	26.7000206	0.48	947	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00028-3-0-0-PAS	3.33731118	3.33731118	1.49	447	8/20/2000	14/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00038-3-0-0-PAS	1.23330300	1.23330300	0.12	394	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00037-3-0-0-PAS	8.18784803	8.18784803	0.12	1973	8/20/2000	3/27/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00038-3-0-0-PAS	21.1784497	21.1784497	0.12	1994	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00039-3-0-0-PAS	7.0000617886	7.0000617886	8.27	1064	8/20/2000	1/18/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00010-3-0-0-PAS	7.15656401	7.15656401	0.12	1111	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00011-3-0-0-PAS	4.64486995	4.64486995	0.12	977	8/20/2000	3/22/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00013-3-0-0-PAS	29.2823228	29.2823228	0.12	1060	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00015-3-0-0-PAS	29.6997947	29.6997947	0.12	1010	8/20/2000	7/27/2007	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00017-3-0-0-PAS	7.18784803	7.18784803	0.12	1000	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00022-3-0-0-PAS	2.41130002	2.41130002	1.29	1646	8/20/2000	2/10/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00023-3-0-0-PAS	26.7000206	26.7000206	0.48	947	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00028-3-0-0-PAS	3.33731118	3.33731118	1.49	447	8/20/2000	14/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00038-3-0-0-PAS	1.23330300	1.23330300	0.12	394	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00037-3-0-0-PAS	8.18784803	8.18784803	0.12	1973	8/20/2000	3/27/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00038-3-0-0-PAS	21.1784497	21.1784497	0.12	1994	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00039-3-0-0-PAS	7.0000617886	7.0000617886	8.27	1064	8/20/2000	1/18/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00010-3-0-0-PAS	7.15656401	7.15656401	0.12	1111	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00011-3-0-0-PAS	4.64486995	4.64486995	0.12	977	8/20/2000	3/22/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00013-3-0-0-PAS	29.2823228	29.2823228	0.12	1060	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00015-3-0-0-PAS	29.6997947	29.6997947	0.12	1010	8/20/2000	7/27/2007	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00017-3-0-0-PAS	7.18784803	7.18784803	0.12	1000	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00022-3-0-0-PAS	2.41130002	2.41130002	1.29	1646	8/20/2000	2/10/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00023-3-0-0-PAS	26.7000206	26.7000206	0.48	947	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00028-3-0-0-PAS	3.33731118	3.33731118	1.49	447	8/20/2000	14/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00038-3-0-0-PAS	1.23330300	1.23330300	0.12	394	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00037-3-0-0-PAS	8.18784803	8.18784803	0.12	1973	8/20/2000	3/27/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00038-3-0-0-PAS	21.1784497	21.1784497	0.12	1994	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00039-3-0-0-PAS	7.0000617886	7.0000617886	8.27	1064	8/20/2000	1/18/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00010-3-0-0-PAS	7.15656401	7.15656401	0.12	1111	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00011-3-0-0-PAS	4.64486995	4.64486995	0.12	977	8/20/2000	3/22/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00013-3-0-0-PAS	29.2823228	29.2823228	0.12	1060	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00015-3-0-0-PAS	29.6997947	29.6997947	0.12	1010	8/20/2000	7/27/2007	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00017-3-0-0-PAS	7.18784803	7.18784803	0.12	1000	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00022-3-0-0-PAS	2.41130002	2.41130002	1.29	1646	8/20/2000	2/10/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00023-3-0-0-PAS	26.7000206	26.7000206	0.48	947	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00028-3-0-0-PAS	3.33731118	3.33731118	1.49	447	8/20/2000	14/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00038-3-0-0-PAS	1.23330300	1.23330300	0.12	394	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00037-3-0-0-PAS	8.18784803	8.18784803	0.12	1973	8/20/2000	3/27/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00038-3-0-0-PAS	21.1784497	21.1784497	0.12	1994	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00039-3-0-0-PAS	7.0000617886	7.0000617886	8.27	1064	8/20/2000	1/18/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00010-3-0-0-PAS	7.15656401	7.15656401	0.12	1111	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00011-3-0-0-PAS	4.64486995	4.64486995	0.12	977	8/20/2000	3/22/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00013-3-0-0-PAS	29.2823228	29.2823228	0.12	1060	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00015-3-0-0-PAS	29.6997947	29.6997947	0.12	1010	8/20/2000	7/27/2007	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00017-3-0-0-PAS	7.18784803	7.18784803	0.12	1000	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00022-3-0-0-PAS	2.41130002	2.41130002	1.29	1646	8/20/2000	2/10/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00023-3-0-0-PAS	26.7000206	26.7000206	0.48	947	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00028-3-0-0-PAS	3.33731118	3.33731118	1.49	447	8/20/2000	14/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00038-3-0-0-PAS	1.23330300	1.23330300	0.12	394	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00037-3-0-0-PAS	8.18784803	8.18784803	0.12	1973	8/20/2000	3/27/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00038-3-0-0-PAS	21.1784497	21.1784497	0.12	1994	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00039-3-0-0-PAS	7.0000617886	7.0000617886	8.27	1064	8/20/2000	1/18/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00010-3-0-0-PAS	7.15656401	7.15656401	0.12	1111	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00011-3-0-0-PAS	4.64486995	4.64486995	0.12	977	8/20/2000	3/22/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00013-3-0-0-PAS	29.2823228	29.2823228	0.12	1060	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00015-3-0-0-PAS	29.6997947	29.6997947	0.12	1010	8/20/2000	7/27/2007	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00017-3-0-0-PAS	7.18784803	7.18784803	0.12	1000	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00022-3-0-0-PAS	2.41130002	2.41130002	1.29	1646	8/20/2000	2/10/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00023-3-0-0-PAS	26.7000206	26.7000206	0.48	947	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00028-3-0-0-PAS	3.33731118	3.33731118	1.49	447	8/20/2000	14/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00038-3-0-0-PAS	1.23330300	1.23330300	0.12	394	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00037-3-0-0-PAS	8.18784803	8.18784803	0.12	1973	8/20/2000	3/27/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00038-3-0-0-PAS	21.1784497	21.1784497	0.12	1994	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00039-3-0-0-PAS	7.0000617886	7.0000617886	8.27	1064	8/20/2000	1/18/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00010-3-0-0-PAS	7.15656401	7.15656401	0.12	1111	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00011-3-0-0-PAS	4.64486995	4.64486995	0.12	977	8/20/2000	3/22/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00013-3-0-0-PAS	29.2823228	29.2823228	0.12	1060	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00015-3-0-0-PAS	29.6997947	29.6997947	0.12	1010	8/20/2000	7/27/2007	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00017-3-0-0-PAS	7.18784803	7.18784803	0.12	1000	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00022-3-0-0-PAS	2.41130002	2.41130002	1.29	1646	8/20/2000	2/10/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00023-3-0-0-PAS	26.7000206	26.7000206	0.48	947	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00028-3-0-0-PAS	3.33731118	3.33731118	1.49	447	8/20/2000	14/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00038-3-0-0-PAS	1.23330300	1.23330300	0.12	394	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00037-3-0-0-PAS	8.18784803	8.18784803	0.12	1973	8/20/2000	3/27/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00038-3-0-0-PAS	21.1784497	21.1784497	0.12	1994	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00039-3-0-0-PAS	7.0000617886	7.0000617886	8.27	1064	8/20/2000	1/18/2008	Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00010-3-0-0-PAS	7.15656401	7.15656401	0.12	1111	8/20/2000		Overhead Hardening, Undergrounding	Overall Utility Risk	Scoping
Pos00011-3-0-0-PAS	4.64486995	4.64486995	0.12	977	8/				

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row_id	total_circuit_miles	total_circuit_miles_up	risk_ranking	scoping_date	start_date	mitigation_type	undergrounding_mitigation_justification1	undergrounding_mitigation_justification2	status
Prs00002-SUG-ALT1	4.951280176	24.03	689	8/20/2020	2/15/2028	Overhead Hardening	Overall Utility Risk		Designing
Prs00002-SUG-ALT1	4.951280176	24.03	689	8/20/2020	2/15/2028	Overhead Hardening	Overall Utility Risk		Designing
Prs00002-SUG-ALT1	4.951280176	24.03	689	8/20/2020	2/15/2028	Overhead Hardening	Overall Utility Risk		Designing
Prs00003-SUG-ALT1	9.01747145		549	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00003-SUG-ALT1	9.01747145		549	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00003-SUG-ALT1	9.01747145		549	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00004-SUG-ALT1	0.432857929	1.86	1097	8/20/2020	6/22/2027	Overhead Hardening	Overall Utility Risk		Scoping
Prs00004-SUG-ALT1	0.432857929	1.86	1097	8/20/2020	6/22/2027	Overhead Hardening	Overall Utility Risk		Scoping
Prs00004-SUG-ALT1	0.432857929	1.86	1097	8/20/2020	6/22/2027	Overhead Hardening	Overall Utility Risk		Scoping
Prs00005-SUG-ALT1	5.670857725		2192	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00005-SUG-ALT1	5.670857725		2192	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00005-SUG-ALT1	5.670857725		2192	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00006-SUG-ALT1	1.233338692	3.72	364	8/20/2020	4/10/2028	Overhead Hardening	Overall Utility Risk		Designing
Prs00006-SUG-ALT1	1.233338692	3.72	364	8/20/2020	4/10/2028	Overhead Hardening	Overall Utility Risk		Designing
Prs00006-SUG-ALT1	1.233338692	3.72	364	8/20/2020	4/10/2028	Overhead Hardening	Overall Utility Risk		Designing
Prs00007-SUG-ALT1	8.187804893		1373	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00007-SUG-ALT1	8.187804893		1373	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00007-SUG-ALT1	8.187804893		1373	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00008-SUG-ALT1	21.17834497	2.46	1984	8/20/2020	5/9/2028	Overhead Hardening	Overall Utility Risk		Designing
Prs00008-SUG-ALT1	21.17834497	2.46	1984	8/20/2020	5/9/2028	Overhead Hardening	Overall Utility Risk		Designing
Prs00008-SUG-ALT1	21.17834497	2.46	1984	8/20/2020	5/9/2028	Overhead Hardening	Overall Utility Risk		Designing
Prs00009-SUG-ALT1	7.051437886		997	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00009-SUG-ALT1	7.051437886		997	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00009-SUG-ALT1	7.051437886		997	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00010-SUG-ALT1	7.815626401	11.43	1111	8/20/2020	2/2/2028	Overhead Hardening	Overall Utility Risk		Scoping
Prs00010-SUG-ALT1	7.815626401	11.43	1111	8/20/2020	2/2/2028	Overhead Hardening	Overall Utility Risk		Scoping
Prs00010-SUG-ALT1	7.815626401	11.43	1111	8/20/2020	2/2/2028	Overhead Hardening	Overall Utility Risk		Scoping
Prs00011-SUG-ALT1	9.351369089		466	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00011-SUG-ALT1	9.351369089		466	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00011-SUG-ALT1	9.351369089		466	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00012-SUG-ALT1	4.854899801	5.45	676	8/20/2020	2/17/2028	Overhead Hardening	Overall Utility Risk		Scoping
Prs00012-SUG-ALT1	4.854899801	5.45	676	8/20/2020	2/17/2028	Overhead Hardening	Overall Utility Risk		Scoping
Prs00012-SUG-ALT1	4.854899801	5.45	676	8/20/2020	2/17/2028	Overhead Hardening	Overall Utility Risk		Scoping
Prs00013-SUG-ALT1	7.715229106		833	8/20/2020		Overhead Hardening	Overall Utility Risk, Ignition Consequence		
Prs00013-SUG-ALT1	7.715229106		833	8/20/2020		Overhead Hardening	Overall Utility Risk, Ignition Consequence		
Prs00013-SUG-ALT1	7.715229106		833	8/20/2020		Overhead Hardening	Overall Utility Risk, Ignition Consequence		
Prs00014-SUG-ALT1	1.260529239	23.4	747	8/20/2020	12/10/2027	Overhead Hardening	Overall Utility Risk, Ignition Consequence		Scoping
Prs00014-SUG-ALT1	1.260529239	23.4	747	8/20/2020	12/10/2027	Overhead Hardening	Overall Utility Risk, Ignition Consequence		Scoping
Prs00014-SUG-ALT1	1.260529239	23.4	747	8/20/2020	12/10/2027	Overhead Hardening	Overall Utility Risk, Ignition Consequence		Scoping
Prs00015-SUG-ALT1	23.26232258		999	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00015-SUG-ALT1	23.26232258		999	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00015-SUG-ALT1	23.26232258		999	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00016-SUG-ALT1	25.69597947	0.28	1870	8/20/2020	2/14/2028	Overhead Hardening	Overall Utility Risk		Designing
Prs00016-SUG-ALT1	25.69597947	0.28	1870	8/20/2020	2/14/2028	Overhead Hardening	Overall Utility Risk		Designing
Prs00016-SUG-ALT1	25.69597947	0.28	1870	8/20/2020	2/14/2028	Overhead Hardening	Overall Utility Risk		Designing
Prs00017-SUG-ALT1	7.292187247		620	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00017-SUG-ALT1	7.292187247		620	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00017-SUG-ALT1	7.292187247		620	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00018-SUG-ALT1	2.676338623	33.55	510	8/20/2020	6/23/2027	Overhead Hardening	Overall Utility Risk		Scoping
Prs00018-SUG-ALT1	2.676338623	33.55	510	8/20/2020	6/23/2027	Overhead Hardening	Overall Utility Risk		Scoping
Prs00018-SUG-ALT1	2.676338623	33.55	510	8/20/2020	6/23/2027	Overhead Hardening	Overall Utility Risk		Scoping
Prs00019-SUG-ALT1	8.534041043		836	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00019-SUG-ALT1	8.534041043		836	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00019-SUG-ALT1	8.534041043		836	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00020-SUG-ALT1	4.898493871	0.58	2201	8/20/2020	6/6/2028	Overhead Hardening	Overall Utility Risk		Designing
Prs00020-SUG-ALT1	4.898493871	0.58	2201	8/20/2020	6/6/2028	Overhead Hardening	Overall Utility Risk		Designing
Prs00020-SUG-ALT1	4.898493871	0.58	2201	8/20/2020	6/6/2028	Overhead Hardening	Overall Utility Risk		Designing
Prs00021-SUG-ALT1	20.14158015		1634	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00021-SUG-ALT1	20.14158015		1634	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00021-SUG-ALT1	20.14158015		1634	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00022-SUG-ALT1	2.411340262	3.58	1646	8/20/2020	14/20/28	Overhead Hardening	Overall Utility Risk		Scoping
Prs00022-SUG-ALT1	2.411340262	3.58	1646	8/20/2020	14/20/28	Overhead Hardening	Overall Utility Risk		Scoping
Prs00022-SUG-ALT1	2.411340262	3.58	1646	8/20/2020	14/20/28	Overhead Hardening	Overall Utility Risk		Scoping
Prs00023-SUG-ALT1	24.70550208		947	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00023-SUG-ALT1	24.70550208		947	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00023-SUG-ALT1	24.70550208		947	8/20/2020		Overhead Hardening	Overall Utility Risk		
Prs00024-SUG-ALT1	1.141460638	3.47	1778	8/20/2020	2/3/2028	Overhead Hardening	Overall Utility Risk		Scoping
Prs00024-SUG-ALT1	1.141460638	3.47	1778	8/20/2020	2/3/2028	Overhead Hardening	Overall Utility Risk		Scoping
Prs00024-SUG-ALT1	1.141460638	3.47	1778	8/20/2020	2/3/2028	Overhead Hardening	Overall Utility Risk		Scoping
Prs00025-SUG-ALT1	2.841383023		1678	8/20/2020		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood		
Prs00025-SUG-ALT1	2.841383023		1678	8/20/2020		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood		
Prs00025-SUG-ALT1	2.841383023		1678	8/20/2020		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood		
Prs00026-SUG-ALT1	3.391506236	1.35	2685	8/20/2020	3/1/2028	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood		Designing
Prs00026-SUG-ALT1	3.391506236	1.35	2685	8/20/2020	3/1/2028	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood		Designing
Prs00026-SUG-ALT1	3.391506236	1.35	2685	8/20/2020	3/1/2028	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood		Designing
Prs00027-SUG-ALT1	1.320267785		215	8/20/2020		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood		
Prs00027-SUG-ALT1	1.320267785		215	8/20/2020		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood		
Prs00027-SUG-ALT1	1.320267785		215	8/20/2020		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood		
Prs00028-SUG-ALT1	3.337301116	2.88	447	8/20/2020	12/15/2027	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood		Designing
Prs00028-SUG-ALT1	3.337301116	2.88	447	8/20/2020	12/15/2027	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood		Designing
Prs00028-SUG-ALT1	3.337301116	2.88	447	8/20/2020	12/15/2027	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood		Designing

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ms_id	used_and_useful_date	scr_year_start	useful_life	ignition_are_mitigated_likelihood	ignition_are_mitigated_safety_consequences	ignition_are_mitigated_residential_reliability_consequences	ignition_are_mitigated_non_residential_reliability_consequences	ignition_are_mitigated_financial_consequences	ignition_post_mitigated_likelihood
Prog0001-3-VG-UGAS	9/29/2008	2008	55	0.036950038	0.20907354	0.013018623	1.201384301	2.139466716	0.002448327
Prog0001-3-VG-UGAS	9/29/2008	2008	55	0.036950038	0.20907354	0.013018623	1.201384301	2.139466716	0.002448327
Prog0001-3-VG-UGAS	9/29/2008	2008	55	0.036950038	0.20907354	0.013018623	1.201384301	2.139466716	0.002448327
Prog0002-3-VG-UGAS	11/6/2008	2008	55	0.01073008	0.48861446	0.018914799	1.430017479	2.760873478	0.001171718
Prog0002-3-VG-UGAS	11/6/2008	2008	55	0.01073008	0.48861446	0.018914799	1.430017479	2.760873478	0.001171718
Prog0002-3-VG-UGAS	11/6/2008	2008	55	0.01073008	0.48861446	0.018914799	1.430017479	2.760873478	0.001171718
Prog0003-3-VG-UGAS	10/20/2008	2008	55	0.034121123	0.345171644	0.026327897	1.983435233	3.8293406	0.003081431
Prog0003-3-VG-UGAS	10/20/2008	2008	55	0.034121123	0.345171644	0.026327897	1.983435233	3.8293406	0.003081431
Prog0003-3-VG-UGAS	10/20/2008	2008	55	0.034121123	0.345171644	0.026327897	1.983435233	3.8293406	0.003081431
Prog0004-3-VG-UGAS	10/9/2008	2008	55	0.001360101	1.634349235	0.124609596	9.391344592	18.13150061	7.65E-06
Prog0004-3-VG-UGAS	10/9/2008	2008	55	0.001360101	1.634349235	0.124609596	9.391344592	18.13150061	7.65E-06
Prog0004-3-VG-UGAS	10/9/2008	2008	55	0.001360101	1.634349235	0.124609596	9.391344592	18.13150061	7.65E-06
Prog0005-3-VG-UGAS	10/30/2008	2008	55	0.010372174	0.639429055	0.048717038	3.674276336	7.09378013	0.000713912
Prog0005-3-VG-UGAS	10/30/2008	2008	55	0.010372174	0.639429055	0.048717038	3.674276336	7.09378013	0.000713912
Prog0006-3-VG-UGAS	10/30/2008	2008	55	0.010372174	0.639429055	0.048717038	3.674276336	7.09378013	0.000713912
Prog0006-3-VG-UGAS	10/30/2008	2008	55	0.010372174	0.639429055	0.048717038	3.674276336	7.09378013	0.000713912
Prog0007-3-VG-UGAS	8/20/2008	2008	55	0.005458794	0.387692097	0.02971134	2.227781737	4.301629511	0.00049237
Prog0007-3-VG-UGAS	8/20/2008	2008	55	0.005458794	0.387692097	0.02971134	2.227781737	4.301629511	0.00049237
Prog0007-3-VG-UGAS	8/20/2008	2008	55	0.005458794	0.387692097	0.02971134	2.227781737	4.301629511	0.00049237
Prog0007-3-VG-UGAS	8/20/2008	2008	55	0.005458794	0.387692097	0.02971134	2.227781737	4.301629511	0.00049237
Prog0008-3-VG-UGAS	11/6/2008	2008	55	0.011607801	0.011607801	0.00672503	15.96243812	30.04578882	0.000150278
Prog0008-3-VG-UGAS	11/6/2008	2008	55	0.011607801	0.011607801	0.00672503	15.96243812	30.04578882	0.000150278
Prog0008-3-VG-UGAS	11/6/2008	2008	55	0.011607801	0.011607801	0.00672503	15.96243812	30.04578882	0.000150278
Prog0008-3-VG-UGAS	11/6/2008	2008	55	0.011607801	0.011607801	0.00672503	15.96243812	30.04578882	0.000150278
Prog0009-3-VG-UGAS	12/11/2008	2008	55	0.011007501	0.344267734	0.277844496	26.93165991	49.41193297	0.000759673
Prog0009-3-VG-UGAS	12/11/2008	2008	55	0.011007501	0.344267734	0.277844496	26.93165991	49.41193297	0.000759673
Prog0009-3-VG-UGAS	12/11/2008	2008	55	0.011007501	0.344267734	0.277844496	26.93165991	49.41193297	0.000759673
Prog0009-3-VG-UGAS	12/11/2008	2008	55	0.011007501	0.344267734	0.277844496	26.93165991	49.41193297	0.000759673
Prog0010-3-VG-UGAS	11/16/2008	2008	55	0.006122638	0.226931314	0.018617888	2.628520378	1.361461534	0.004063814
Prog0010-3-VG-UGAS	11/16/2008	2008	55	0.006122638	0.226931314	0.018617888	2.628520378	1.361461534	0.004063814
Prog0010-3-VG-UGAS	11/16/2008	2008	55	0.006122638	0.226931314	0.018617888	2.628520378	1.361461534	0.004063814
Prog0010-3-VG-UGAS	11/16/2008	2008	55	0.006122638	0.226931314	0.018617888	2.628520378	1.361461534	0.004063814
Prog0011-3-VG-UGAS	12/22/2008	2008	55	0.017261122	0.135632527	0.010345323	0.779373975	1.504796751	0.005121054
Prog0011-3-VG-UGAS	12/22/2008	2008	55	0.017261122	0.135632527	0.010345323	0.779373975	1.504796751	0.005121054
Prog0011-3-VG-UGAS	12/22/2008	2008	55	0.017261122	0.135632527	0.010345323	0.779373975	1.504796751	0.005121054
Prog0011-3-VG-UGAS	12/22/2008	2008	55	0.017261122	0.135632527	0.010345323	0.779373975	1.504796751	0.005121054
Prog0012-3-VG-UGAS	12/22/2008	2008	55	0.017261122	0.135632527	0.010345323	0.779373975	1.504796751	0.005121054
Prog0012-3-VG-UGAS	12/22/2008	2008	55	0.017261122	0.135632527	0.010345323	0.779373975	1.504796751	0.005121054
Prog0012-3-VG-UGAS	12/22/2008	2008	55	0.017261122	0.135632527	0.010345323	0.779373975	1.504796751	0.005121054
Prog0012-3-VG-UGAS	12/22/2008	2008	55	0.017261122	0.135632527	0.010345323	0.779373975	1.504796751	0.005121054
Prog0013-3-VG-UGAS	8/8/2008	2008	55	0.008907701	0.141865996	0.019820792	0.815193984	1.573862873	0.005162999
Prog0013-3-VG-UGAS	8/8/2008	2008	55	0.008907701	0.141865996	0.019820792	0.815193984	1.573862873	0.005162999
Prog0013-3-VG-UGAS	8/8/2008	2008	55	0.008907701	0.141865996	0.019820792	0.815193984	1.573862873	0.005162999
Prog0013-3-VG-UGAS	8/8/2008	2008	55	0.008907701	0.141865996	0.019820792	0.815193984	1.573862873	0.005162999
Prog0014-3-VG-UGAS	7/19/2008	2008	55	0.005959602	0.005959602	0.046166841	3.479019478	6.714873726	0.000679281
Prog0014-3-VG-UGAS	7/19/2008	2008	55	0.005959602	0.005959602	0.046166841	3.479019478	6.714873726	0.000679281
Prog0014-3-VG-UGAS	7/19/2008	2008	55	0.005959602	0.005959602	0.046166841	3.479019478	6.714873726	0.000679281
Prog0014-3-VG-UGAS	7/19/2008	2008	55	0.005959602	0.005959602	0.046166841	3.479019478	6.714873726	0.000679281
Prog0015-3-VG-UGAS	12/27/2008	2008	55	0.03607508	2.693496185	0.20542923	16.47721541	29.88125268	0.00241804
Prog0015-3-VG-UGAS	12/27/2008	2008	55	0.03607508	2.693496185	0.20542923	16.47721541	29.88125268	0.00241804
Prog0015-3-VG-UGAS	12/27/2008	2008	55	0.03607508	2.693496185	0.20542923	16.47721541	29.88125268	0.00241804
Prog0015-3-VG-UGAS	12/27/2008	2008	55	0.03607508	2.693496185	0.20542923	16.47721541	29.88125268	0.00241804
Prog0016-3-VG-UGAS	12/26/2008	2008	55	0.00226908	2.76387628	0.211055654	16.89029617	30.89035445	0.000152695
Prog0016-3-VG-UGAS	12/26/2008	2008	55	0.00226908	2.76387628	0.211055654	16.89029617	30.89035445	0.000152695
Prog0016-3-VG-UGAS	12/26/2008	2008	55	0.00226908	2.76387628	0.211055654	16.89029617	30.89035445	0.000152695
Prog0016-3-VG-UGAS	12/26/2008	2008	55	0.00226908	2.76387628	0.211055654	16.89029617	30.89035445	0.000152695
Prog0017-3-VG-UGAS	11/2/2008	2008	55	0.03244985	0.144541341	0.011048861	0.830067512	1.603544308	0.002229612
Prog0017-3-VG-UGAS	11/2/2008	2008	55	0.03244985	0.144541341	0.011048861	0.830067512	1.603544308	0.002229612
Prog0017-3-VG-UGAS	11/2/2008	2008	55	0.03244985	0.144541341	0.011048861	0.830067512	1.603544308	0.002229612
Prog0017-3-VG-UGAS	11/2/2008	2008	55	0.03244985	0.144541341	0.011048861	0.830067512	1.603544308	0.002229612
Prog0018-3-VG-UGAS	12/13/2008	2008	55	0.006171127	0.106435996	0.009613857	0.729529433	1.402679947	0.011264612
Prog0018-3-VG-UGAS	12/13/2008	2008	55	0.006171127	0.106435996	0.009613857	0.729529433	1.402679947	0.011264612
Prog0018-3-VG-UGAS	12/13/2008	2008	55	0.006171127	0.106435996	0.009613857	0.729529433	1.402679947	0.011264612
Prog0018-3-VG-UGAS	12/13/2008	2008	55	0.006171127	0.106435996	0.009613857	0.729529433	1.402679947	0.011264612
Prog0019-3-VG-UGAS	11/27/2008	2008	55	0.087050792	0.215676126	0.019678126	1.239343681	2.392714929	0.005160305
Prog0019-3-VG-UGAS	11/27/2008	2008	55	0.087050792	0.215676126	0.019678126	1.239343681	2.392714929	0.005160305
Prog0019-3-VG-UGAS	11/27/2008	2008	55	0.087050792	0.215676126	0.019678126	1.239343681	2.392714929	0.005160305
Prog0019-3-VG-UGAS	11/27/2008	2008	55	0.087050792	0.215676126	0.019678126	1.239343681	2.392714929	0.005160305
Prog0020-3-VG-UGAS	7/9/2008	2008	55	0.06034002	0.148893156	0.011366795	0.855574136	1.611823421	0.003646305
Prog0020-3-VG-UGAS	7/9/2008	2008	55	0.06034002	0.148893156	0.011366795	0.855574136	1.611823421	0.003646305
Prog0020-3-VG-UGAS	7/9/2008	2008	55	0.06034002	0.148893156	0.011366795	0.855574136	1.611823421	0.003646305
Prog0020-3-VG-UGAS	7/9/2008	2008	55	0.06034002	0.148893156	0.011366795	0.855574136	1.611823421	0.003646305
Prog0021-3-VG-UGAS	9/1/2008	2008	55	0.011890378	2.86031373	0.227225995	17.1257898	33.95467319	0.002267149
Prog0021-3-VG-UGAS	9/1/2008	2008	55	0.011890378	2.86031373	0.227225995	17.1257898	33.95467319	0.002267149
Prog0021-3-VG-UGAS	9/1/2008	2008	55	0.011890378	2.86031373	0.227225995	17.1257898	33.95467319	0.002267149
Prog0021-3-VG-UGAS	9/1/2008	2008	55	0.011890378	2.86031373	0.227225995	17.1257898	33.95467319	0.002267149
Prog0022-3-VG-UGAS	9/1/2008	2008	55	0.006136939	1.828139972	0.139411095	10.50481054	20.2814187	7.65E-06
Prog0022-3-VG-UGAS	9/1/2008	2008	55	0.006136939	1.828139972	0.139411095	10.50481054	20.2814187	7.65E-06
Prog0022-3-VG-UGAS	9/1/2008	2008	55	0.006136939	1.828139972	0.139411095	10.50481054	20.2814187	7.65E-06
Prog0022-3-VG-UGAS	9/1/2008	2008	55	0.006136939	1.828139972	0.139411095	10.50481054	20.2814187	7.65E-06
Prog0023-3-VG-UGAS	12/26/2008	2008	55	0.059450991	2.651081319	0.156449811	11.79986248	22.75473454	0.004299212
Prog0023-3-VG-UGAS	12/26/2008	2008	55	0.059450991	2.651081319	0.156449811	11.79986248	22.75473454	0.004299212
Prog0023-3-VG-UGAS	12/26/2008	2008	55	0.059450991	2.651081319	0.156449811	11.79986248	22.75473454	0.004299212

SPD-37
Pacific Gas and Electric Company
Electrical Undergrounding Program
SPD-37 Table 1: Data Set

[illegible]

SPD-37
Pacific Gas and Electric Company
Electrical Undergrounding Program
SPD-37 Table 1: Data Set

MS	used and useful data	for year	useful life	ignition_mitigated_RailRoad	ignition_mitigated_safety_consequences	ignition_mitigated_residential_reliability_consequences	ignition_mitigated_residential_reliability_consequences	ignition_mitigated_financial_consequences	ignition_mitigated_RailRoad
Pop0002-3.0-AL-T1	12/2/2020	2018	48	0.01980013	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2019	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2020	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2021	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2022	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2023	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2024	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2025	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2026	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2027	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2028	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2029	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2030	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2031	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2032	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2033	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2034	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2035	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2036	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2037	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2038	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2039	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2040	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2041	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2042	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2043	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2044	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2045	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2046	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2047	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2048	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2049	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2050	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2051	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2052	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2053	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2054	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2055	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2056	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2057	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2058	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2059	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2060	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2061	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2062	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2063	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2064	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2065	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2066	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2067	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2068	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2069	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2070	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2071	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2072	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2073	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2074	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2075	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2076	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2077	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2078	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2079	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2080	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2081	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2082	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2083	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2084	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2085	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2086	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2087	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2088	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2089	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2090	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2091	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2092	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2093	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2094	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2095	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2096	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2097	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2098	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2099	48	0.019801856	0.248801446	0.248801446	0.019801856	1.430014799	2.780872478
Pop0002-3.0-AL-T1	12/2/2020	2100	48	0.019801856	0.248801446	0.248801446	0.019801856	1.4300147	

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Pacific Gas and Electric Company
Electrical Undergrounding Program
SPD-37 Table 1: Data Set

rule_id	ignition_post_mitigated_safety_consequences	ignition_post_mitigated_residential_reliability_consequences	ignition_post_mitigated_non_residential_reliability_consequences	ignition_post_mitigated_financial_consequences	outage_program_ams_mitigated_liability	outage_program_ams_mitigated_safety_consequences
Pro00001-3UG-UGAS	0.20007354	0.015017042	1.201304339	2.134605716	34.10149437	2.78E-05
Pro00001-3UG-UGAS	0.20007354	0.015017042	1.201304339	2.134605716	34.10149437	2.78E-05
Pro00001-3UG-UGAS	0.20007354	0.015017042	1.201304339	2.134605716	34.10149437	2.78E-05
Pro00002-3UG-UGAS	0.248861446	0.018881899	1.430014799	2.760873478	162.4600442	3.94E-05
Pro00002-3UG-UGAS	0.248861446	0.018881899	1.430014799	2.760873478	162.4600442	3.94E-05
Pro00002-3UG-UGAS	0.248861446	0.018881899	1.430014799	2.760873478	162.4600442	3.94E-05
Pro00003-3UG-UGAS	0.345171844	0.026327897	1.983435233	3.8203406	330.3443253	3.94E-05
Pro00003-3UG-UGAS	0.345171844	0.026327897	1.983435233	3.8203406	330.3443253	3.94E-05
Pro00003-3UG-UGAS	0.345171844	0.026327897	1.983435233	3.8203406	330.3443253	3.94E-05
Pro00004-3UG-UGAS	1.634349235	0.124659596	9.361344592	18.13150061	374.3691259	3.41E-05
Pro00004-3UG-UGAS	1.634349235	0.124659596	9.361344592	18.13150061	374.3691259	3.41E-05
Pro00004-3UG-UGAS	1.634349235	0.124659596	9.361344592	18.13150061	374.3691259	3.41E-05
Pro00005-3UG-UGAS	0.639423905	0.038423905	3.674276206	7.083789613	843.0060332	8.35E-06
Pro00005-3UG-UGAS	0.639423905	0.038423905	3.674276206	7.083789613	843.0060332	8.35E-06
Pro00005-3UG-UGAS	0.639423905	0.038423905	3.674276206	7.083789613	843.0060332	8.35E-06
Pro00006-3UG-UGAS	0.387692067	0.020971134	2.227767307	4.301902951	681.6792228	2.50E-05
Pro00006-3UG-UGAS	0.387692067	0.020971134	2.227767307	4.301902951	681.6792228	2.50E-05
Pro00006-3UG-UGAS	0.387692067	0.020971134	2.227767307	4.301902951	681.6792228	2.50E-05
Pro00007-3UG-UGAS	2.70628233	0.206274206	15.86243812	30.04578882	140.3768864	1.29E-05
Pro00007-3UG-UGAS	2.70628233	0.206274206	15.86243812	30.04578882	140.3768864	1.29E-05
Pro00007-3UG-UGAS	2.70628233	0.206274206	15.86243812	30.04578882	140.3768864	1.29E-05
Pro00008-3UG-UGAS	3.642677834	0.277844496	20.93165951	40.41193297	2282.55936	1.90E-05
Pro00008-3UG-UGAS	3.642677834	0.277844496	20.93165951	40.41193297	2282.55936	1.90E-05
Pro00008-3UG-UGAS	3.642677834	0.277844496	20.93165951	40.41193297	2282.55936	1.90E-05
Pro00009-3UG-UGAS	0.236933114	0.018071888	1.361481534	2.628520378	1861.44564	2.08E-05
Pro00009-3UG-UGAS	0.236933114	0.018071888	1.361481534	2.628520378	1861.44564	2.08E-05
Pro00009-3UG-UGAS	0.236933114	0.018071888	1.361481534	2.628520378	1861.44564	2.08E-05
Pro00010-3UG-UGAS	0.139632267	0.010345323	0.773873875	1.940786761	770.0632809	3.19E-05
Pro00010-3UG-UGAS	0.139632267	0.010345323	0.773873875	1.940786761	770.0632809	3.19E-05
Pro00010-3UG-UGAS	0.139632267	0.010345323	0.773873875	1.940786761	770.0632809	3.19E-05
Pro00011-3UG-UGAS	0.30971258	0.023099248	1.753030938	3.384468171	2157.471429	5.23E-05
Pro00011-3UG-UGAS	0.30971258	0.023099248	1.753030938	3.384468171	2157.471429	5.23E-05
Pro00011-3UG-UGAS	0.30971258	0.023099248	1.753030938	3.384468171	2157.471429	5.23E-05
Pro00012-3UG-UGAS	0.1177241	0.024234241	1.826715261	3.04883703	3648.909599	1.46E-05
Pro00012-3UG-UGAS	0.1177241	0.024234241	1.826715261	3.04883703	3648.909599	1.46E-05
Pro00012-3UG-UGAS	0.1177241	0.024234241	1.826715261	3.04883703	3648.909599	1.46E-05
Pro00013-3UG-UGAS	0.141865996	0.010820792	0.815183894	1.573862873	1222.279851	3.50E-05
Pro00013-3UG-UGAS	0.141865996	0.010820792	0.815183894	1.573862873	1222.279851	3.50E-05
Pro00013-3UG-UGAS	0.141865996	0.010820792	0.815183894	1.573862873	1222.279851	3.50E-05
Pro00014-3UG-UGAS	0.600269929	0.046166841	3.478615878	6.714872735	75.83918898	3.19E-05
Pro00014-3UG-UGAS	0.600269929	0.046166841	3.478615878	6.714872735	75.83918898	3.19E-05
Pro00014-3UG-UGAS	0.600269929	0.046166841	3.478615878	6.714872735	75.83918898	3.19E-05
Pro00015-3UG-UGAS	2.893456185	0.205442933	15.47721341	29.88125208	4122.5693	3.19E-05
Pro00015-3UG-UGAS	2.893456185	0.205442933	15.47721341	29.88125208	4122.5693	3.19E-05
Pro00015-3UG-UGAS	2.893456185	0.205442933	15.47721341	29.88125208	4122.5693	3.19E-05
Pro00016-3UG-UGAS	2.760387529	0.211059564	15.89629617	30.89035545	21.18959543	
Pro00016-3UG-UGAS	2.760387529	0.211059564	15.89629617	30.89035545	21.18959543	
Pro00016-3UG-UGAS	2.760387529	0.211059564	15.89629617	30.89035545	21.18959543	
Pro00017-3UG-UGAS	0.144541341	0.011024861	0.830562912	1.603544308	615.9088551	4.54E-05
Pro00017-3UG-UGAS	0.144541341	0.011024861	0.830562912	1.603544308	615.9088551	4.54E-05
Pro00017-3UG-UGAS	0.144541341	0.011024861	0.830562912	1.603544308	615.9088551	4.54E-05
Pro00018-3UG-UGAS	0.128435696	0.009643857	0.728528433	1.402679947	999.5461419	5.43E-05
Pro00018-3UG-UGAS	0.128435696	0.009643857	0.728528433	1.402679947	999.5461419	5.43E-05
Pro00018-3UG-UGAS	0.128435696	0.009643857	0.728528433	1.402679947	999.5461419	5.43E-05
Pro00019-3UG-UGAS	0.215676126	0.016345623	1.238234361	2.392714929	1141.555531	4.95E-05
Pro00019-3UG-UGAS	0.215676126	0.016345623	1.238234361	2.392714929	1141.555531	4.95E-05
Pro00019-3UG-UGAS	0.215676126	0.016345623	1.238234361	2.392714929	1141.555531	4.95E-05
Pro00020-3UG-UGAS	0.148893156	0.011596795	0.859574135	1.651823421	605.7788869	8.87E-05
Pro00020-3UG-UGAS	0.148893156	0.011596795	0.859574135	1.651823421	605.7788869	8.87E-05
Pro00020-3UG-UGAS	0.148893156	0.011596795	0.859574135	1.651823421	605.7788869	8.87E-05
Pro00021-3UG-UGAS	2.890331373	0.227225959	17.1257309	33.05457219	1209.027281	
Pro00021-3UG-UGAS	2.890331373	0.227225959	17.1257309	33.05457219	1209.027281	
Pro00021-3UG-UGAS	2.890331373	0.227225959	17.1257309	33.05457219	1209.027281	
Pro00022-3UG-UGAS	1.828139979	0.139411095	10.50491054	20.2814187	8.88804081	
Pro00022-3UG-UGAS	1.828139979	0.139411095	10.50491054	20.2814187	8.88804081	
Pro00022-3UG-UGAS	1.828139979	0.139411095	10.50491054	20.2814187	8.88804081	
Pro00023-3UG-UGAS	2.051081179	0.156448111	11.78956048	22.75473454	1111.348182	4.48E-05
Pro00023-3UG-UGAS	2.051081179	0.156448111	11.78956048	22.75473454	1111.348182	4.48E-05
Pro00023-3UG-UGAS	2.051081179	0.156448111	11.78956048	22.75473454	1111.348182	4.48E-05
Pro00024-3UG-UGAS	0.273972814	0.020897221	1.574310465	3.03945846	372.1578965	5.54E-05
Pro00024-3UG-UGAS	0.273972814	0.020897221	1.574310465	3.03945846	372.1578965	5.54E-05
Pro00024-3UG-UGAS	0.273972814	0.020897221	1.574310465	3.03945846	372.1578965	5.54E-05
Pro00025-3UG-UGAS	0.526675137	0.040172039	3.028359521	5.842943987	48.44933764	
Pro00025-3UG-UGAS	0.526675137	0.040172039	3.028359521	5.842943987	48.44933764	
Pro00025-3UG-UGAS	0.526675137	0.040172039	3.028359521	5.842943987	48.44933764	
Pro00026-3UG-UGAS	0.197886047	0.019788604	0.19788604	2.19313265	280.2253992	
Pro00026-3UG-UGAS	0.197886047	0.019788604	0.19788604	2.19313265	280.2253992	
Pro00026-3UG-UGAS	0.197886047	0.019788604	0.19788604	2.19313265	280.2253992	
Pro00027-3UG-UGAS	0.761339595	0.058071889	4.374896728	8.464441502	11091.54147	1.88E-05
Pro00027-3UG-UGAS	0.761339595	0.058071889	4.374896728	8.464441502	11091.54147	1.88E-05
Pro00027-3UG-UGAS	0.761339595	0.058071889	4.374896728	8.464441502	11091.54147	1.88E-05
Pro00028-3UG-UGAS	1.231320084	0.030781878	7.075450262	13.66029775	7949.098047	1.88E-05
Pro00028-3UG-UGAS	1.231320084	0.030781878	7.075450262	13.66029775	7949.098047	1.88E-05
Pro00028-3UG-UGAS	1.231320084	0.030781878	7.075450262	13.66029775	7949.098047	1.88E-05

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id	ignition_post_mitigated_safety_consequences	ignition_post_mitigated_residential_reliability_consequences	ignition_post_mitigated_non_residential_reliability_consequences	ignition_post_mitigated_financial_consequences	ignition_program_era_mitigated_helthood	ignition_program_era_mitigated_safety_consequences
ign0000-0.0-0.0-PAS	3.36769207	2.90688121	2.22778737	4.30162501	3.93346518	2.536105
ign0007-0.0-0.0-PAS	2.90688121	2.90688121	2.22778737	4.30162501	3.94517882	1.91245128
ign0008-0.0-0.0-PAS	3.44667704	0.27784496	2.03186901	3.94457882	40.4193037	3898.714283
ign0009-0.0-0.0-PAS	2.93807134	0.18445134	1.96445134	4.03803275	3.93807134	2.60807134
ign0010-0.0-0.0-PAS	0.13563207	0.77373787	1.90470611	3.90318332	3.90318332	2.596105
ign0012-0.0-0.0-PAS	0.317241	0.02623441	1.89271081	3.52483703	3.88214062	1.486105
ign0015-0.0-0.0-PAS	2.89545023	0.20545023	1.47221541	3.91812208	3.91812208	3.186105
ign0016-0.0-0.0-PAS	2.76387028	0.21105064	1.95620617	3.89035546	3.88192414	2.596105
ign0017-0.0-0.0-PAS	0.14454134	0.01024481	0.80505212	4.03304408	3.99913510	2.596105
ign0022-0.0-0.0-PAS	1.82613897	0.138441005	0.50491054	3.2814187	3.93191545	2.596105
ign0023-0.0-0.0-PAS	2.56108119	0.15645811	1.78989481	3.75473494	3.9280811	4.486105
ign0026-0.0-0.0-PAS	1.21130094	0.08918178	0.72450275	3.66620275	3.82712457	1.596105
ign0028-0.0-0.0-PAS	3.36769207	0.27784496	2.22778737	4.30162501	3.93346518	2.536105
ign0029-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0030-0.0-0.0-PAS	0.44667704	0.27784496	2.03186901	3.94457882	3.98917428	1.906105
ign0031-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0032-0.0-0.0-PAS	1.82613897	0.138441005	0.50491054	3.2814187	3.93191545	2.596105
ign0033-0.0-0.0-PAS	2.56108119	0.15645811	1.78989481	3.75473494	3.9280811	4.486105
ign0036-0.0-0.0-PAS	1.21130094	0.08918178	0.72450275	3.66620275	3.82712457	1.596105
ign0038-0.0-0.0-PAS	3.36769207	0.27784496	2.22778737	4.30162501	3.93346518	2.536105
ign0039-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0040-0.0-0.0-PAS	0.44667704	0.27784496	2.03186901	3.94457882	3.98917428	1.906105
ign0041-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0042-0.0-0.0-PAS	1.82613897	0.138441005	0.50491054	3.2814187	3.93191545	2.596105
ign0043-0.0-0.0-PAS	2.56108119	0.15645811	1.78989481	3.75473494	3.9280811	4.486105
ign0046-0.0-0.0-PAS	1.21130094	0.08918178	0.72450275	3.66620275	3.82712457	1.596105
ign0048-0.0-0.0-PAS	3.36769207	0.27784496	2.22778737	4.30162501	3.93346518	2.536105
ign0049-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0050-0.0-0.0-PAS	0.44667704	0.27784496	2.03186901	3.94457882	3.98917428	1.906105
ign0051-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0052-0.0-0.0-PAS	1.82613897	0.138441005	0.50491054	3.2814187	3.93191545	2.596105
ign0053-0.0-0.0-PAS	2.56108119	0.15645811	1.78989481	3.75473494	3.9280811	4.486105
ign0056-0.0-0.0-PAS	1.21130094	0.08918178	0.72450275	3.66620275	3.82712457	1.596105
ign0058-0.0-0.0-PAS	3.36769207	0.27784496	2.22778737	4.30162501	3.93346518	2.536105
ign0059-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0060-0.0-0.0-PAS	0.44667704	0.27784496	2.03186901	3.94457882	3.98917428	1.906105
ign0061-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0062-0.0-0.0-PAS	1.82613897	0.138441005	0.50491054	3.2814187	3.93191545	2.596105
ign0063-0.0-0.0-PAS	2.56108119	0.15645811	1.78989481	3.75473494	3.9280811	4.486105
ign0066-0.0-0.0-PAS	1.21130094	0.08918178	0.72450275	3.66620275	3.82712457	1.596105
ign0068-0.0-0.0-PAS	3.36769207	0.27784496	2.22778737	4.30162501	3.93346518	2.536105
ign0069-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0070-0.0-0.0-PAS	0.44667704	0.27784496	2.03186901	3.94457882	3.98917428	1.906105
ign0071-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0072-0.0-0.0-PAS	1.82613897	0.138441005	0.50491054	3.2814187	3.93191545	2.596105
ign0073-0.0-0.0-PAS	2.56108119	0.15645811	1.78989481	3.75473494	3.9280811	4.486105
ign0076-0.0-0.0-PAS	1.21130094	0.08918178	0.72450275	3.66620275	3.82712457	1.596105
ign0078-0.0-0.0-PAS	3.36769207	0.27784496	2.22778737	4.30162501	3.93346518	2.536105
ign0079-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0080-0.0-0.0-PAS	0.44667704	0.27784496	2.03186901	3.94457882	3.98917428	1.906105
ign0081-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0082-0.0-0.0-PAS	1.82613897	0.138441005	0.50491054	3.2814187	3.93191545	2.596105
ign0083-0.0-0.0-PAS	2.56108119	0.15645811	1.78989481	3.75473494	3.9280811	4.486105
ign0086-0.0-0.0-PAS	1.21130094	0.08918178	0.72450275	3.66620275	3.82712457	1.596105
ign0088-0.0-0.0-PAS	3.36769207	0.27784496	2.22778737	4.30162501	3.93346518	2.536105
ign0089-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0090-0.0-0.0-PAS	0.44667704	0.27784496	2.03186901	3.94457882	3.98917428	1.906105
ign0091-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0092-0.0-0.0-PAS	1.82613897	0.138441005	0.50491054	3.2814187	3.93191545	2.596105
ign0093-0.0-0.0-PAS	2.56108119	0.15645811	1.78989481	3.75473494	3.9280811	4.486105
ign0096-0.0-0.0-PAS	1.21130094	0.08918178	0.72450275	3.66620275	3.82712457	1.596105
ign0098-0.0-0.0-PAS	3.36769207	0.27784496	2.22778737	4.30162501	3.93346518	2.536105
ign0099-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0100-0.0-0.0-PAS	0.44667704	0.27784496	2.03186901	3.94457882	3.98917428	1.906105
ign0101-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0102-0.0-0.0-PAS	1.82613897	0.138441005	0.50491054	3.2814187	3.93191545	2.596105
ign0103-0.0-0.0-PAS	2.56108119	0.15645811	1.78989481	3.75473494	3.9280811	4.486105
ign0106-0.0-0.0-PAS	1.21130094	0.08918178	0.72450275	3.66620275	3.82712457	1.596105
ign0108-0.0-0.0-PAS	3.36769207	0.27784496	2.22778737	4.30162501	3.93346518	2.536105
ign0109-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0110-0.0-0.0-PAS	0.44667704	0.27784496	2.03186901	3.94457882	3.98917428	1.906105
ign0111-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0112-0.0-0.0-PAS	1.82613897	0.138441005	0.50491054	3.2814187	3.93191545	2.596105
ign0113-0.0-0.0-PAS	2.56108119	0.15645811	1.78989481	3.75473494	3.9280811	4.486105
ign0116-0.0-0.0-PAS	1.21130094	0.08918178	0.72450275	3.66620275	3.82712457	1.596105
ign0118-0.0-0.0-PAS	3.36769207	0.27784496	2.22778737	4.30162501	3.93346518	2.536105
ign0119-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0120-0.0-0.0-PAS	0.44667704	0.27784496	2.03186901	3.94457882	3.98917428	1.906105
ign0121-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0122-0.0-0.0-PAS	1.82613897	0.138441005	0.50491054	3.2814187	3.93191545	2.596105
ign0123-0.0-0.0-PAS	2.56108119	0.15645811	1.78989481	3.75473494	3.9280811	4.486105
ign0126-0.0-0.0-PAS	1.21130094	0.08918178	0.72450275	3.66620275	3.82712457	1.596105
ign0128-0.0-0.0-PAS	3.36769207	0.27784496	2.22778737	4.30162501	3.93346518	2.536105
ign0129-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0130-0.0-0.0-PAS	0.44667704	0.27784496	2.03186901	3.94457882	3.98917428	1.906105
ign0131-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0132-0.0-0.0-PAS	1.82613897	0.138441005	0.50491054	3.2814187	3.93191545	2.596105
ign0133-0.0-0.0-PAS	2.56108119	0.15645811	1.78989481	3.75473494	3.9280811	4.486105
ign0136-0.0-0.0-PAS	1.21130094	0.08918178	0.72450275	3.66620275	3.82712457	1.596105
ign0138-0.0-0.0-PAS	3.36769207	0.27784496	2.22778737	4.30162501	3.93346518	2.536105
ign0139-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0140-0.0-0.0-PAS	0.44667704	0.27784496	2.03186901	3.94457882	3.98917428	1.906105
ign0141-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0142-0.0-0.0-PAS	1.82613897	0.138441005	0.50491054	3.2814187	3.93191545	2.596105
ign0143-0.0-0.0-PAS	2.56108119	0.15645811	1.78989481	3.75473494	3.9280811	4.486105
ign0146-0.0-0.0-PAS	1.21130094	0.08918178	0.72450275	3.66620275	3.82712457	1.596105
ign0148-0.0-0.0-PAS	3.36769207	0.27784496	2.22778737	4.30162501	3.93346518	2.536105
ign0149-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0150-0.0-0.0-PAS	0.44667704	0.27784496	2.03186901	3.94457882	3.98917428	1.906105
ign0151-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0152-0.0-0.0-PAS	1.82613897	0.138441005	0.50491054	3.2814187	3.93191545	2.596105
ign0153-0.0-0.0-PAS	2.56108119	0.15645811	1.78989481	3.75473494	3.9280811	4.486105
ign0156-0.0-0.0-PAS	1.21130094	0.08918178	0.72450275	3.66620275	3.82712457	1.596105
ign0158-0.0-0.0-PAS	3.36769207	0.27784496	2.22778737	4.30162501	3.93346518	2.536105
ign0159-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0160-0.0-0.0-PAS	0.44667704	0.27784496	2.03186901	3.94457882	3.98917428	1.906105
ign0161-0.0-0.0-PAS	0.29623703	0.56243703	0.56243703	3.94517882	3.91251228	2.596105
ign0162-0.0-0.0-PAS	1.82613897	0.138441005	0.50491054	3.2814187	3.93191545	2.596105
ign0163-0.0-0.0-PAS	2.56108119	0.15645811	1.78989481	3.75473494	3.9280811	4.486105
ign0166-0.0-0.0-PAS	1.21130094	0.08918178	0.72450275	3.66		

SPD-37
Pacific Gas and Electric Company
Electrical Undergrounding Program
SPD-37 Table 1: Data Set

job_id	location_post_mitigated_safety_consequences	location_post_mitigated_residential_reliability_consequences	location_post_mitigated_non_residential_reliability_consequences	location_post_mitigated_financial_consequences	outage_program_ens_mitigated_lifehood	outage_program_ens_mitigated_safety_consequences
Pro00002-3-UG-AL-T1	0.248861446	0.128801154	1.430014799	2.702873478	324.3914832	
Pro00002-3-UG-AL-T1	0.248861446	0.128801154	1.430014799	2.702873478	324.3914932	
Pro00002-3-UG-AL-T1	0.248861446	0.128801154	1.430014799	2.702873478	324.3914932	
Pro00003-3-UG-AL-T1	0.344171844	0.128801154	1.863436233	3.8203406	3657.05186	3.94E-05
Pro00003-3-UG-AL-T1	0.344171844	0.128801154	1.863436233	3.8203406	3657.05186	3.94E-05
Pro00003-3-UG-AL-T1	0.344171844	0.128801154	1.863436233	3.8203406	3657.05186	3.94E-05
Pro00004-3-UG-AL-T1	1.634345235	0.124569595	9.391344592	18.13150061	374.3691259	3.41E-05
Pro00004-3-UG-AL-T1	1.634345235	0.124569595	9.391344592	18.13150061	374.3691259	3.41E-05
Pro00004-3-UG-AL-T1	1.634345235	0.124569595	9.391344592	18.13150061	374.3691259	3.41E-05
Pro00005-3-UG-AL-T1	0.639424905	0.048717398	3.674276386	7.083789613	843.0066332	8.35E-06
Pro00005-3-UG-AL-T1	0.639424905	0.048717398	3.674276386	7.083789613	843.0066332	8.35E-06
Pro00005-3-UG-AL-T1	0.639424905	0.048717398	3.674276386	7.083789613	843.0066332	8.35E-06
Pro00006-3-UG-AL-T1	0.387692087	0.059711134	2.227787307	4.301062661	1393.244218	2.65E-05
Pro00006-3-UG-AL-T1	0.387692087	0.059711134	2.227787307	4.301062661	1393.244218	2.65E-05
Pro00006-3-UG-AL-T1	0.387692087	0.059711134	2.227787307	4.301062661	1393.244218	2.65E-05
Pro00007-3-UG-AL-T1	2.709287253	0.206974939	15.56243812	30.04573882	1121.251228	1.25E-05
Pro00007-3-UG-AL-T1	2.709287253	0.206974939	15.56243812	30.04573882	1121.251228	1.25E-05
Pro00007-3-UG-AL-T1	2.709287253	0.206974939	15.56243812	30.04573882	1121.251228	1.25E-05
Pro00008-3-UG-AL-T1	3.642877834	0.277344499	20.83165991	40.41193297	3608.214283	1.95E-05
Pro00008-3-UG-AL-T1	3.642877834	0.277344499	20.83165991	40.41193297	3608.214283	1.95E-05
Pro00008-3-UG-AL-T1	3.642877834	0.277344499	20.83165991	40.41193297	3608.214283	1.95E-05
Pro00009-3-UG-AL-T1	0.236931114	0.018071888	1.361481534	2.638203378	1720.862076	2.08E-05
Pro00009-3-UG-AL-T1	0.236931114	0.018071888	1.361481534	2.638203378	1720.862076	2.08E-05
Pro00009-3-UG-AL-T1	0.236931114	0.018071888	1.361481534	2.638203378	1720.862076	2.08E-05
Pro00010-3-UG-AL-T1	0.139632257	0.010345323	0.7730373873	1.954706761	903.6811392	5.23E-05
Pro00010-3-UG-AL-T1	0.139632257	0.010345323	0.7730373873	1.954706761	903.6811392	5.23E-05
Pro00010-3-UG-AL-T1	0.139632257	0.010345323	0.7730373873	1.954706761	903.6811392	5.23E-05
Pro00011-3-UG-AL-T1	0.309071258	0.032302048	1.753020238	3.384466171	3439.483702	5.23E-05
Pro00011-3-UG-AL-T1	0.309071258	0.032302048	1.753020238	3.384466171	3439.483702	5.23E-05
Pro00011-3-UG-AL-T1	0.309071258	0.032302048	1.753020238	3.384466171	3439.483702	5.23E-05
Pro00012-3-UG-AL-T1	0.3177241	0.02424341	1.820715361	3.52483703	3882.949623	1.48E-05
Pro00012-3-UG-AL-T1	0.3177241	0.02424341	1.820715361	3.52483703	3882.949623	1.48E-05
Pro00012-3-UG-AL-T1	0.3177241	0.02424341	1.820715361	3.52483703	3882.949623	1.48E-05
Pro00013-3-UG-AL-T1	0.141865696	0.010502032	0.810519394	1.573859873	1325.549468	3.95E-05
Pro00013-3-UG-AL-T1	0.141865696	0.010502032	0.810519394	1.573859873	1325.549468	3.95E-05
Pro00013-3-UG-AL-T1	0.141865696	0.010502032	0.810519394	1.573859873	1325.549468	3.95E-05
Pro00014-3-UG-AL-T1	0.605209929	0.045166841	3.478019478	6.714875776	75.93918898	
Pro00014-3-UG-AL-T1	0.605209929	0.045166841	3.478019478	6.714875776	75.93918898	
Pro00014-3-UG-AL-T1	0.605209929	0.045166841	3.478019478	6.714875776	75.93918898	
Pro00015-3-UG-AL-T1	2.693456185	0.205424923	15.47721341	29.88125208	4158.88304	3.19E-05
Pro00015-3-UG-AL-T1	2.693456185	0.205424923	15.47721341	29.88125208	4158.88304	3.19E-05
Pro00015-3-UG-AL-T1	2.693456185	0.205424923	15.47721341	29.88125208	4158.88304	3.19E-05
Pro00016-3-UG-AL-T1	2.760387828	0.212055954	15.89529017	30.00303545	388.9214214	
Pro00016-3-UG-AL-T1	2.760387828	0.212055954	15.89529017	30.00303545	388.9214214	
Pro00016-3-UG-AL-T1	2.760387828	0.212055954	15.89529017	30.00303545	388.9214214	
Pro00017-3-UG-AL-T1	0.144541341	0.011242881	0.83026712	1.603544308	1089.35219	5.45E-05
Pro00017-3-UG-AL-T1	0.144541341	0.011242881	0.83026712	1.603544308	1089.35219	5.45E-05
Pro00017-3-UG-AL-T1	0.144541341	0.011242881	0.83026712	1.603544308	1089.35219	5.45E-05
Pro00018-3-UG-AL-T1	0.128436086	0.009643867	0.726528433	1.402679947	913.3353501	5.45E-05
Pro00018-3-UG-AL-T1	0.128436086	0.009643867	0.726528433	1.402679947	913.3353501	5.45E-05
Pro00018-3-UG-AL-T1	0.128436086	0.009643867	0.726528433	1.402679947	913.3353501	5.45E-05
Pro00019-3-UG-AL-T1	0.215676126	0.016505053	1.238324361	2.392714929	1141.555531	4.95E-05
Pro00019-3-UG-AL-T1	0.215676126	0.016505053	1.238324361	2.392714929	1141.555531	4.95E-05
Pro00019-3-UG-AL-T1	0.215676126	0.016505053	1.238324361	2.392714929	1141.555531	4.95E-05
Pro00020-3-UG-AL-T1	0.148893156	0.011486935	0.855574135	1.651823421	695.7758869	
Pro00020-3-UG-AL-T1	0.148893156	0.011486935	0.855574135	1.651823421	695.7758869	
Pro00020-3-UG-AL-T1	0.148893156	0.011486935	0.855574135	1.651823421	695.7758869	
Pro00021-3-UG-AL-T1	2.890351373	0.227125695	17.1257808	33.04607319	1039.027281	8.97E-06
Pro00021-3-UG-AL-T1	2.890351373	0.227125695	17.1257808	33.04607319	1039.027281	8.97E-06
Pro00021-3-UG-AL-T1	2.890351373	0.227125695	17.1257808	33.04607319	1039.027281	8.97E-06
Pro00022-3-UG-AL-T1	1.828113979	0.139441099	10.90491054	20.2815187	99.31931545	
Pro00022-3-UG-AL-T1	1.828113979	0.139441099	10.90491054	20.2815187	99.31931545	
Pro00022-3-UG-AL-T1	1.828113979	0.139441099	10.90491054	20.2815187	99.31931545	
Pro00023-3-UG-AL-T1	2.051081119	0.156446811	11.78396248	22.7473404	1120.258611	4.48E-05
Pro00023-3-UG-AL-T1	2.051081119	0.156446811	11.78396248	22.7473404	1120.258611	4.48E-05
Pro00023-3-UG-AL-T1	2.051081119	0.156446811	11.78396248	22.7473404	1120.258611	4.48E-05
Pro00024-3-UG-AL-T1	0.273772814	0.020897221	1.574310495	3.03845946	372.1573965	5.54E-05
Pro00024-3-UG-AL-T1	0.273772814	0.020897221	1.574310495	3.03845946	372.1573965	5.54E-05
Pro00024-3-UG-AL-T1	0.273772814	0.020897221	1.574310495	3.03845946	372.1573965	5.54E-05
Pro00025-3-UG-AL-T1	0.526675137	0.040172039	3.026395921	5.842943697	48.44633764	
Pro00025-3-UG-AL-T1	0.526675137	0.040172039	3.026395921	5.842943697	48.44633764	
Pro00025-3-UG-AL-T1	0.526675137	0.040172039	3.026395921	5.842943697	48.44633764	
Pro00026-3-UG-AL-T1	0.197886047	0.019078463	1.139495251	2.19313266	280.2253992	
Pro00026-3-UG-AL-T1	0.197886047	0.019078463	1.139495251	2.19313266	280.2253992	
Pro00026-3-UG-AL-T1	0.197886047	0.019078463	1.139495251	2.19313266	280.2253992	
Pro00027-3-UG-AL-T1	0.761350595	0.058971889	4.374896729	8.484441502	11091.54147	1.88E-05
Pro00027-3-UG-AL-T1	0.761350595	0.058971889	4.374896729	8.484441502	11091.54147	1.88E-05
Pro00027-3-UG-AL-T1	0.761350595	0.058971889	4.374896729	8.484441502	11091.54147	1.88E-05
Pro00028-3-UG-AL-T1	1.231320584	0.093918758	7.078450282	13.66028775	8270.245107	1.98E-05
Pro00028-3-UG-AL-T1	1.231320584	0.093918758	7.078450282	13.66028775	8270.245107	1.98E-05
Pro00028-3-UG-AL-T1	1.231320584	0.093918758	7.078450282	13.66028775	8270.245107	1.98E-05

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ru_id	outage_program_ams_mitigated_residential_reliability_consequences	outage_program_ams_mitigated_non_residential_reliability_consequences	outage_program_ams_mitigated_financial_consequences	outage_program_post_mitigated_likelihood	outage_program_post_mitigated_safety_consequences	outage_program_post_mitigated_residential_reliability_consequences
rm00001-3UG-UGAS	1.47E-05	0.001070715	0.001070715	0	2.78E-05	1.47E-05
rm00001-3UG-UGAS	1.47E-05	0.001070715	0.001070715	0	2.78E-05	1.47E-05
rm00001-3UG-UGAS	1.47E-05	0.001070715	0.001070715	0	2.78E-05	1.47E-05
rm00002-3UG-UGAS	0.000027369	0.000027369	0.000027369	0	0.000027369	0.000027369
rm00002-3UG-UGAS	0.000027369	0.000027369	0.000027369	0	0.000027369	0.000027369
rm00003-3UG-UGAS	2.85E-05	0.001252914	0.001252914	0	3.94E-05	2.85E-05
rm00003-3UG-UGAS	2.85E-05	0.001252914	0.001252914	0	3.94E-05	2.85E-05
rm00003-3UG-UGAS	2.85E-05	0.001252914	0.001252914	0	3.94E-05	2.85E-05
rm00004-3UG-UGAS	4.48E-06	0.000119058	0.000119058	0	3.41E-05	4.48E-06
rm00004-3UG-UGAS	4.48E-06	0.000119058	0.000119058	0	3.41E-05	4.48E-06
rm00004-3UG-UGAS	4.48E-06	0.000119058	0.000119058	0	3.41E-05	4.48E-06
rm00005-3UG-UGAS	1.85E-06	0.0000303419	0.0000303419	0	8.35E-06	1.85E-06
rm00005-3UG-UGAS	1.85E-06	0.0000303419	0.0000303419	0	8.35E-06	1.85E-06
rm00005-3UG-UGAS	1.85E-06	0.0000303419	0.0000303419	0	8.35E-06	1.85E-06
rm00006-3UG-UGAS	1.29E-05	0.000813814	0.000813814	0	2.93E-05	1.29E-05
rm00006-3UG-UGAS	1.29E-05	0.000813814	0.000813814	0	2.93E-05	1.29E-05
rm00006-3UG-UGAS	1.29E-05	0.000813814	0.000813814	0	2.93E-05	1.29E-05
rm00007-3UG-UGAS	8.49E-07	0.000465494	0.000465494	0	1.25E-05	8.49E-07
rm00007-3UG-UGAS	8.49E-07	0.000465494	0.000465494	0	1.25E-05	8.49E-07
rm00007-3UG-UGAS	8.49E-07	0.000465494	0.000465494	0	1.25E-05	8.49E-07
rm00008-3UG-UGAS	3.28E-07	0.000698739	0.000698739	0	1.93E-05	3.28E-07
rm00008-3UG-UGAS	3.28E-07	0.000698739	0.000698739	0	1.93E-05	3.28E-07
rm00008-3UG-UGAS	3.28E-07	0.000698739	0.000698739	0	1.93E-05	3.28E-07
rm00009-3UG-UGAS	2.78E-05	0.000788846	0.000788846	0	2.06E-05	2.78E-05
rm00009-3UG-UGAS	2.78E-05	0.000788846	0.000788846	0	2.06E-05	2.78E-05
rm00009-3UG-UGAS	2.78E-05	0.000788846	0.000788846	0	2.06E-05	2.78E-05
rm00010-3UG-UGAS	5.87E-05	0.001403083	0.001403083	0	5.87E-05	5.87E-05
rm00010-3UG-UGAS	5.87E-05	0.001403083	0.001403083	0	5.87E-05	5.87E-05
rm00010-3UG-UGAS	5.87E-05	0.001403083	0.001403083	0	5.87E-05	5.87E-05
rm00011-3UG-UGAS	2.92E-05	0.001777686	0.001777686	0	5.23E-05	2.92E-05
rm00011-3UG-UGAS	2.92E-05	0.001777686	0.001777686	0	5.23E-05	2.92E-05
rm00011-3UG-UGAS	2.92E-05	0.001777686	0.001777686	0	5.23E-05	2.92E-05
rm00012-3UG-UGAS	7.66E-06	0.000447844	0.000447844	0	1.48E-05	7.66E-06
rm00012-3UG-UGAS	7.66E-06	0.000447844	0.000447844	0	1.48E-05	7.66E-06
rm00012-3UG-UGAS	7.66E-06	0.000447844	0.000447844	0	1.48E-05	7.66E-06
rm00013-3UG-UGAS	4.87E-05	0.001562186	0.001562186	0	3.95E-05	4.87E-05
rm00013-3UG-UGAS	4.87E-05	0.001562186	0.001562186	0	3.95E-05	4.87E-05
rm00013-3UG-UGAS	4.87E-05	0.001562186	0.001562186	0	3.95E-05	4.87E-05
rm00014-3UG-UGAS	0.00024625	0.00427329	0.00427329	0	0.00024625	0.00024625
rm00014-3UG-UGAS	0.00024625	0.00427329	0.00427329	0	0.00024625	0.00024625
rm00014-3UG-UGAS	0.00024625	0.00427329	0.00427329	0	0.00024625	0.00024625
rm00015-3UG-UGAS	1.52E-05	0.000625703	0.000625703	0	3.19E-05	1.52E-05
rm00015-3UG-UGAS	1.52E-05	0.000625703	0.000625703	0	3.19E-05	1.52E-05
rm00015-3UG-UGAS	1.52E-05	0.000625703	0.000625703	0	3.19E-05	1.52E-05
rm00016-3UG-UGAS	2.02E-05	0.000705602	0.000705602	0	2.02E-05	2.02E-05
rm00016-3UG-UGAS	2.02E-05	0.000705602	0.000705602	0	2.02E-05	2.02E-05
rm00016-3UG-UGAS	2.02E-05	0.000705602	0.000705602	0	2.02E-05	2.02E-05
rm00017-3UG-UGAS	0.000107815	0.002724139	0.002724139	0	4.54E-05	0.000107815
rm00017-3UG-UGAS	0.000107815	0.002724139	0.002724139	0	4.54E-05	0.000107815
rm00017-3UG-UGAS	0.000107815	0.002724139	0.002724139	0	4.54E-05	0.000107815
rm00018-3UG-UGAS	1.25E-05	0.001709971	0.001709971	0	1.25E-05	1.25E-05
rm00018-3UG-UGAS	1.25E-05	0.001709971	0.001709971	0	1.25E-05	1.25E-05
rm00018-3UG-UGAS	1.25E-05	0.001709971	0.001709971	0	1.25E-05	1.25E-05
rm00019-3UG-UGAS	9.96E-05	0.001798369	0.001798369	0	4.95E-05	9.96E-05
rm00019-3UG-UGAS	9.96E-05	0.001798369	0.001798369	0	4.95E-05	9.96E-05
rm00019-3UG-UGAS	9.96E-05	0.001798369	0.001798369	0	4.95E-05	9.96E-05
rm00020-3UG-UGAS	9.01E-05	0.00146689	0.00146689	0	9.01E-05	9.01E-05
rm00020-3UG-UGAS	9.01E-05	0.00146689	0.00146689	0	9.01E-05	9.01E-05
rm00020-3UG-UGAS	9.01E-05	0.00146689	0.00146689	0	9.01E-05	9.01E-05
rm00021-3UG-UGAS	1.54E-05	0.000353629	0.000353629	0	8.97E-05	1.54E-05
rm00021-3UG-UGAS	1.54E-05	0.000353629	0.000353629	0	8.97E-05	1.54E-05
rm00021-3UG-UGAS	1.54E-05	0.000353629	0.000353629	0	8.97E-05	1.54E-05
rm00022-3UG-UGAS	1.97E-05	0.000152786	0.000152786	0	1.97E-05	1.97E-05
rm00022-3UG-UGAS	1.97E-05	0.000152786	0.000152786	0	1.97E-05	1.97E-05
rm00022-3UG-UGAS	1.97E-05	0.000152786	0.000152786	0	1.97E-05	1.97E-05
rm00023-3UG-UGAS	6.62E-05	0.003112488	0.003112488	0	4.46E-05	6.62E-05
rm00023-3UG-UGAS	6.62E-05	0.003112488	0.003112488	0	4.46E-05	6.62E-05
rm00023-3UG-UGAS	6.62E-05	0.003112488	0.003112488	0	4.46E-05	6.62E-05
rm00024-3UG-UGAS	6.04E-07	0.000204173	0.000204173	0	6.04E-07	6.04E-07
rm00024-3UG-UGAS	6.04E-07	0.000204173	0.000204173	0	6.04E-07	6.04E-07
rm00024-3UG-UGAS	6.04E-07	0.000204173	0.000204173	0	6.04E-07	6.04E-07
rm00025-3UG-UGAS	2.57E-05	0.000262026	0.000262026	0	2.57E-05	2.57E-05
rm00025-3UG-UGAS	2.57E-05	0.000262026	0.000262026	0	2.57E-05	2.57E-05
rm00025-3UG-UGAS	2.57E-05	0.000262026	0.000262026	0	2.57E-05	2.57E-05
rm00026-3UG-UGAS	6.27E-06	0.000247624	0.000247624	0	1.88E-05	6.27E-06
rm00026-3UG-UGAS	6.27E-06	0.000247624	0.000247624	0	1.88E-05	6.27E-06
rm00026-3UG-UGAS	6.27E-06	0.000247624	0.000247624	0	1.88E-05	6.27E-06
rm00027-3UG-UGAS	2.22E-07	0.000247624	0.000247624	0	1.88E-05	2.22E-07
rm00027-3UG-UGAS	2.22E-07	0.000247624	0.000247624	0	1.88E-05	2.22E-07
rm00027-3UG-UGAS	2.22E-07	0.000247624	0.000247624	0	1.88E-05	2.22E-07
rm00028-3UG-UGAS	2.39E-05	0.000389132	0.000389132	0	1.98E-05	2.39E-05
rm00028-3UG-UGAS	2.39E-05	0.000389132	0.000389132	0	1.98E-05	2.39E-05
rm00028-3UG-UGAS	2.39E-05	0.000389132	0.000389132	0	1.98E-05	2.39E-05

**Pacific Gas and Electric Company
Electrical Undergrounding Program
SPD-37 Table 1: Data Set**

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Pacific Gas and Electric Company
Electrical Undergrounding Program
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jur_id	outage_program_ens_mitigated_residential_reliability_consequences	outage_program_ens_mitigated_non_residential_reliability_consequences	outage_program_ens_mitigated_financial_consequences	outage_program_post_mitigated_likelihood	outage_program_post_mitigated_safety_consequences	outage_program_post_mitigated_residential_reliability_consequences
pro00002-3UG-ALT1	0.000027369	0.000027369	0.000027369	0	229.2485084	0.000027369
pro00002-3UG-ALT1	0.000027369	0.000027369	0.000027369	0	229.2485084	0.000027369
pro00002-3UG-ALT1	0.000027369	0.000027369	0.000027369	0	229.2485084	0.000027369
pro00003-3UG-ALT1	2.85E-05	0.001252014	0.001252014	0	2834.494498	2.85E-05
pro00003-3UG-ALT1	2.85E-05	0.001252014	0.001252014	0	2834.494498	2.85E-05
pro00003-3UG-ALT1	2.85E-05	0.001252014	0.001252014	0	2834.494498	2.85E-05
pro00004-3UG-ALT1	4.48E-05	0.000119058	0.000119058	0	187.55209	4.48E-05
pro00004-3UG-ALT1	4.48E-05	0.000119058	0.000119058	0	187.55209	4.48E-05
pro00004-3UG-ALT1	4.48E-05	0.000119058	0.000119058	0	187.55209	4.48E-05
pro00005-3UG-ALT1	1.85E-05	0.000030419	0.000030419	0	785.285084	1.85E-05
pro00005-3UG-ALT1	1.85E-05	0.000030419	0.000030419	0	785.285084	1.85E-05
pro00005-3UG-ALT1	1.85E-05	0.000030419	0.000030419	0	785.285084	1.85E-05
pro00006-3UG-ALT1	1.29E-05	0.000813814	0.000813814	0	872.863162	1.29E-05
pro00006-3UG-ALT1	1.29E-05	0.000813814	0.000813814	0	872.863162	1.29E-05
pro00006-3UG-ALT1	1.29E-05	0.000813814	0.000813814	0	872.863162	1.29E-05
pro00007-3UG-ALT1	1.29E-05	0.000813814	0.000813814	0	872.863162	1.29E-05
pro00007-3UG-ALT1	8.49E-07	0.000465494	0.000465494	0	1071.889071	8.49E-07
pro00007-3UG-ALT1	8.49E-07	0.000465494	0.000465494	0	1071.889071	8.49E-07
pro00007-3UG-ALT1	8.49E-07	0.000465494	0.000465494	0	1071.889071	8.49E-07
pro00008-3UG-ALT1	3.28E-07	0.000088789	0.000088789	0	3662.541523	3.28E-07
pro00008-3UG-ALT1	3.28E-07	0.000088789	0.000088789	0	3662.541523	3.28E-07
pro00008-3UG-ALT1	3.28E-07	0.000088789	0.000088789	0	3662.541523	3.28E-07
pro00009-3UG-ALT1	2.78E-05	0.000789846	0.000789846	0	1282.22072	2.78E-05
pro00009-3UG-ALT1	2.78E-05	0.000789846	0.000789846	0	1282.22072	2.78E-05
pro00009-3UG-ALT1	2.78E-05	0.000789846	0.000789846	0	1282.22072	2.78E-05
pro00010-3UG-ALT1	5.87E-05	0.001403083	0.001403083	0	433.767949	5.87E-05
pro00010-3UG-ALT1	5.87E-05	0.001403083	0.001403083	0	433.767949	5.87E-05
pro00010-3UG-ALT1	5.87E-05	0.001403083	0.001403083	0	433.767949	5.87E-05
pro00011-3UG-ALT1	2.92E-05	0.001777686	0.001777686	0	3152.395791	2.92E-05
pro00011-3UG-ALT1	2.92E-05	0.001777686	0.001777686	0	3152.395791	2.92E-05
pro00011-3UG-ALT1	2.92E-05	0.001777686	0.001777686	0	3152.395791	2.92E-05
pro00012-3UG-ALT1	7.66E-05	0.000447944	0.000447944	0	3472.183484	7.66E-05
pro00012-3UG-ALT1	7.66E-05	0.000447944	0.000447944	0	3472.183484	7.66E-05
pro00012-3UG-ALT1	7.66E-05	0.000447944	0.000447944	0	3472.183484	7.66E-05
pro00013-3UG-ALT1	4.87E-05	0.001802186	0.001802186	0	755.8148205	4.87E-05
pro00013-3UG-ALT1	4.87E-05	0.001802186	0.001802186	0	755.8148205	4.87E-05
pro00013-3UG-ALT1	4.87E-05	0.001802186	0.001802186	0	755.8148205	4.87E-05
pro00014-3UG-ALT1	0.00024625	0.000467329	0.000467329	0	36.47649278	0.00024625
pro00014-3UG-ALT1	0.00024625	0.000467329	0.000467329	0	36.47649278	0.00024625
pro00014-3UG-ALT1	0.00024625	0.000467329	0.000467329	0	36.47649278	0.00024625
pro00015-3UG-ALT1	1.52E-05	0.000825203	0.000825203	0	3073.870807	1.52E-05
pro00015-3UG-ALT1	1.52E-05	0.000825203	0.000825203	0	3073.870807	1.52E-05
pro00015-3UG-ALT1	1.52E-05	0.000825203	0.000825203	0	3073.870807	1.52E-05
pro00016-3UG-ALT1	2.02E-05	0.000305602	0.000305602	0	186.6822923	2.02E-05
pro00016-3UG-ALT1	2.02E-05	0.000305602	0.000305602	0	186.6822923	2.02E-05
pro00016-3UG-ALT1	2.02E-05	0.000305602	0.000305602	0	186.6822923	2.02E-05
pro00017-3UG-ALT1	0.000107815	0.002724139	0.002724139	0	593.80267865	0.000107815
pro00017-3UG-ALT1	0.000107815	0.002724139	0.002724139	0	593.80267865	0.000107815
pro00017-3UG-ALT1	0.000107815	0.002724139	0.002724139	0	593.80267865	0.000107815
pro00018-3UG-ALT1	1.29E-05	0.001709971	0.001709971	0	834.3462	1.29E-05
pro00018-3UG-ALT1	1.29E-05	0.001709971	0.001709971	0	834.3462	1.29E-05
pro00018-3UG-ALT1	1.29E-05	0.001709971	0.001709971	0	834.3462	1.29E-05
pro00019-3UG-ALT1	9.95E-05	0.001798389	0.001798389	0	695.44428	9.95E-05
pro00019-3UG-ALT1	9.95E-05	0.001798389	0.001798389	0	695.44428	9.95E-05
pro00019-3UG-ALT1	9.95E-05	0.001798389	0.001798389	0	695.44428	9.95E-05
pro00020-3UG-ALT1	9.01E-05	0.000146689	0.000146689	0	290.7726957	9.01E-05
pro00020-3UG-ALT1	9.01E-05	0.000146689	0.000146689	0	290.7726957	9.01E-05
pro00020-3UG-ALT1	9.01E-05	0.000146689	0.000146689	0	290.7726957	9.01E-05
pro00021-3UG-ALT1	1.54E-05	0.000353926	0.000353926	0	900.1116905	1.54E-05
pro00021-3UG-ALT1	1.54E-05	0.000353926	0.000353926	0	900.1116905	1.54E-05
pro00021-3UG-ALT1	1.54E-05	0.000353926	0.000353926	0	900.1116905	1.54E-05
pro00022-3UG-ALT1	1.97E-05	0.000152785	0.000152785	0	28.4904128	1.97E-05
pro00022-3UG-ALT1	1.97E-05	0.000152785	0.000152785	0	28.4904128	1.97E-05
pro00022-3UG-ALT1	1.97E-05	0.000152785	0.000152785	0	28.4904128	1.97E-05
pro00023-3UG-ALT1	6.62E-05	0.00312488	0.00312488	0	588.3214849	6.62E-05
pro00023-3UG-ALT1	6.62E-05	0.00312488	0.00312488	0	588.3214849	6.62E-05
pro00023-3UG-ALT1	6.62E-05	0.00312488	0.00312488	0	588.3214849	6.62E-05
pro00024-3UG-ALT1	0.04E-07	0.00004173	0.00004173	0	352.2833748	0.04E-07
pro00024-3UG-ALT1	0.04E-07	0.00004173	0.00004173	0	352.2833748	0.04E-07
pro00024-3UG-ALT1	0.04E-07	0.00004173	0.00004173	0	352.2833748	0.04E-07
pro00025-3UG-ALT1	2.57E-05	0.000269206	0.000269206	0	23.38791811	2.57E-05
pro00025-3UG-ALT1	2.57E-05	0.000269206	0.000269206	0	23.38791811	2.57E-05
pro00025-3UG-ALT1	2.57E-05	0.000269206	0.000269206	0	23.38791811	2.57E-05
pro00026-3UG-ALT1	6.27E-05	6.89E-05	6.89E-05	0	134.9902457	6.27E-05
pro00026-3UG-ALT1	6.27E-05	6.89E-05	6.89E-05	0	134.9902457	6.27E-05
pro00026-3UG-ALT1	6.27E-05	6.89E-05	6.89E-05	0	134.9902457	6.27E-05
pro00027-3UG-ALT1	2.22E-07	0.000247624	0.000247624	0	9000.889673	2.22E-07
pro00027-3UG-ALT1	2.22E-07	0.000247624	0.000247624	0	9000.889673	2.22E-07
pro00027-3UG-ALT1	2.22E-07	0.000247624	0.000247624	0	9000.889673	2.22E-07
pro00028-3UG-ALT1	2.39E-05	0.00089132	0.00089132	0	8007.832721	2.39E-05
pro00028-3UG-ALT1	2.39E-05	0.00089132	0.00089132	0	8007.832721	2.39E-05
pro00028-3UG-ALT1	2.39E-05	0.00089132	0.00089132	0	8007.832721	2.39E-05

SPD-37
Pacific Gas and Electric Company
Electrical Undergrounding Program
SPD-37 Table 1: Data Set

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SPD-37 Table 1: Data Set

[illegible]

SPD-37 Table 1: Data Set

[illegible]

SPD-37 Table 1: Data Set

[illegible]

SPD-37
Pacific Gas and Electric Company
Electrical Undergrounding Program
SPD-37 Table 1: Data Set

job_id	ignition_risk_mitigation_benefit	inplace_program_risk_mitigation_benefit	total_em_costs_risk	total_em_costs_risk_mv	incremental_em_costs	incremental_em_costs_mv	incremental_em_costs_mv	incremental_em_costs_mv	incremental_em_costs_mv	total_mitigation_benefit_scaled	total_mitigation_benefit_unscaled	average_unit_cost_per_mile	total_cases	total_projects
Psp0007-UG-FAS	0.90307457	0.82478989	0.11083330	27.15457289	0.01748977	0.11272281	0.00000000	0.00000000	0.00000000	28.76212029	28.76212029	28.76212029	23.76212029	2.83727870
Psp0008-UG-FAS	0.97845005	0.87845005	0.07845007	0.07845007	0.00000000	0.07845007	0.00000000	0.00000000	0.00000000	1.08672284	1.08672284	1.08672284	9.86285	9.86285
Psp0009-UG-FAS	1.06941179	1.03724089	0.04894221	17.48072592	0.03245429	0.27209321	0.00000000	0.00000000	0.00000000	31.00340159	31.00340159	31.00340159	54.68847846	54.68847846
Psp0010-UG-FAS	0.26523874	1.38420474	1.12042674	27.25504989	0.00042981	-1.00000000	-0.00000000	-0.00000000	-0.00000000	72.30115022	72.30115022	72.30115022	26.94174444	26.94174444
Psp0010-UG-FAS	0.60340916	1.27688096	0.67347180	12.47189852	-0.38623114	0.120661174	0.00000000	0.00000000	0.00000000	77.81280093	77.81280093	77.81280093	25.01096026	25.01096026
Psp0012-UG-FAS	1.19272115	1.5999507	0.40722955	14.41524683	0.00560744	0.00560744	0.00000000	0.00000000	0.00000000	66.8569333	66.8569333	66.8569333	18.9271734	18.9271734
Psp0015-UG-FAS	0.31435432	1.77595072	1.46159640	32.61743058	0.01898951	-1.040398518	0.00000000	0.00000000	0.00000000	21.54412354	21.54412354	21.54412354	76.0271303	76.0271303
Psp0016-UG-FAS	0.9405301	0.96919092	0.02866082	33.23994847	0.00700969	0.071431353	1.36723964	1.47789984	1.88594884	24.745709	24.745709	24.745709	27.734944	27.734944
Psp0017-UG-FAS	0.31204067	1.00976981	0.69772914	1.00976981	0.33736216	0.11189169	0.266919107	0.00000000	0.00000000	14.7096461	14.7096461	14.7096461	15.8955217	15.8955217
Psp0022-UG-FAS	0.119756892	0.00582874	0.11898816	0.30652175	0.000595736	0.014688927	0.119652405	0.29071534	0.934133805	2.97541375	0.88723576	2.38045322	2.38045322	2.38045322
Psp0023-UG-FAS	0.20871224	0.32045005	0.07873781	3.34642803	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	11.7735529	11.7735529	11.7735529	30.4795767	30.4795767
Psp0026-UG-FAS	0.104398738	0.24858638	0.14418765	14.87838029	0.000219677	-0.665556343	0.051193949	-11.74379376	83.90060194	86.7735471	2.36969793	9.38687	9.38687	9.38687
Psp0028-UG-FAS	0.063495737	0.82478989	0.142693329	7.83244635	0.00169779	0.054112727	0.08851064	0.13970938	86.7735471	2.36969793	2.36969793	2.36969793	2.36969793	2.36969793
Psp0029-UG-FAS	0.32045005	0.07873781	0.07873781	0.07873781	0.00000000	0.07873781	0.00000000	0.00000000	0.00000000	1.08672284	1.08672284	1.08672284	9.86285	9.86285
Psp0029-UG-FAS	0.104398738	0.24858638	0.14418765	14.87838029	0.000219677	-0.665556343	0.051193949	-11.74379376	83.90060194	86.7735471	2.36969793	9.38687	9.38687	9.38687
Psp0030-UG-FAS	0.063495737	0.82478989	0.142693329	7.83244635	0.00169779	0.054112727	0.08851064	0.13970938	86.7735471	2.36969793	2.36969793	2.36969793	2.36969793	2.36969793
Psp0031-UG-FAS	0.32045005	0.07873781	0.07873781	0.07873781	0.00000000	0.07873781	0.00000000	0.00000000	0.00000000	1.08672284	1.08672284	1.08672284	9.86285	9.86285
Psp0032-UG-FAS	0.104398738	0.24858638	0.14418765	14.87838029	0.000219677	-0.665556343	0.051193949	-11.74379376	83.90060194	86.7735471	2.36969793	9.38687	9.38687	9.38687
Psp0033-UG-FAS	0.063495737	0.82478989	0.142693329	7.83244635	0.00169779	0.054112727	0.08851064	0.13970938	86.7735471	2.36969793	2.36969793	2.36969793	2.36969793	2.36969793
Psp0034-UG-FAS	0.32045005	0.07873781	0.07873781	0.07873781	0.00000000	0.07873781	0.00000000	0.00000000	0.00000000	1.08672284	1.08672284	1.08672284	9.86285	9.86285
Psp0035-UG-FAS	0.104398738	0.24858638	0.14418765	14.87838029	0.000219677	-0.665556343	0.051193949	-11.74379376	83.90060194	86.7735471	2.36969793	9.38687	9.38687	9.38687
Psp0036-UG-FAS	0.063495737	0.82478989	0.142693329	7.83244635	0.00169779	0.054112727	0.08851064	0.13970938	86.7735471	2.36969793	2.36969793	2.36969793	2.36969793	2.36969793
Psp0037-UG-FAS	0.32045005	0.07873781	0.07873781	0.07873781	0.00000000	0.07873781	0.00000000	0.00000000	0.00000000	1.08672284	1.08672284	1.08672284	9.86285	9.86285
Psp0038-UG-FAS	0.104398738	0.24858638	0.14418765	14.87838029	0.000219677	-0.665556343	0.051193949	-11.74379376	83.90060194	86.7735471	2.36969793	9.38687	9.38687	9.38687
Psp0039-UG-FAS	0.063495737	0.82478989	0.142693329	7.83244635	0.00169779	0.054112727	0.08851064	0.13970938	86.7735471	2.36969793	2.36969793	2.36969793	2.36969793	2.36969793
Psp0040-UG-FAS	0.32045005	0.07873781	0.07873781	0.07873781	0.00000000	0.07873781	0.00000000	0.00000000	0.00000000	1.08672284	1.08672284	1.08672284	9.86285	9.86285
Psp0041-UG-FAS	0.104398738	0.24858638	0.14418765	14.87838029	0.000219677	-0.665556343	0.051193949	-11.74379376	83.90060194	86.7735471	2.36969793	9.38687	9.38687	9.38687
Psp0042-UG-FAS	0.063495737	0.82478989	0.142693329	7.83244635	0.00169779	0.054112727	0.08851064	0.13970938	86.7735471	2.36969793	2.36969793	2.36969793	2.36969793	2.36969793
Psp0043-UG-FAS	0.32045005	0.07873781	0.07873781	0.07873781	0.00000000	0.07873781	0.00000000	0.00000000	0.00000000	1.08672284	1.08672284	1.08672284	9.86285	9.86285
Psp0044-UG-FAS	0.104398738	0.24858638	0.14418765	14.87838029	0.000219677	-0.665556343	0.051193949	-11.74379376	83.90060194	86.7735471	2.36969793	9.38687	9.38687	9.38687
Psp0045-UG-FAS	0.063495737	0.82478989	0.142693329	7.83244635	0.00169779	0.054112727	0.08851064	0.13970938	86.7735471	2.36969793	2.36969793	2.36969793	2.36969793	2.36969793
Psp0046-UG-FAS	0.32045005	0.07873781	0.07873781	0.07873781	0.00000000	0.07873781	0.00000000	0.00000000	0.00000000	1.08672284	1.08672284	1.08672284	9.86285	9.86285
Psp0047-UG-FAS	0.104398738	0.24858638	0.14418765	14.87838029	0.000219677	-0.665556343	0.051193949	-11.74379376	83.90060194	86.7735471	2.36969793	9.38687	9.38687	9.38687
Psp0048-UG-FAS	0.063495737	0.82478989	0.142693329	7.83244635	0.00169779	0.054112727	0.08851064	0.13970938	86.7735471	2.36969793	2.36969793	2.36969793	2.36969793	2.36969793
Psp0049-UG-FAS	0.32045005	0.07873781	0.07873781	0.07873781	0.00000000	0.07873781	0.00000000	0.00000000	0.00000000	1.08672284	1.08672284	1.08672284	9.86285	9.86285
Psp0050-UG-FAS	0.104398738	0.24858638	0.14418765	14.87838029	0.000219677	-0.665556343	0.051193949	-11.74379376	83.90060194	86.7735471	2.36969793	9.38687	9.38687	9.38687
Psp0051-UG-FAS	0.063495737	0.82478989	0.142693329	7.83244635	0.00169779	0.054112727	0.08851064	0.13970938	86.7735471	2.36969793	2.36969793	2.36969793	2.36969793	2.36969793
Psp0052-UG-FAS	0.32045005	0.07873781	0.07873781	0.07873781	0.00000000	0.07873781	0.00000000	0.00000000	0.00000000	1.08672284	1.08672284	1.08672284	9.86285	9.86285
Psp0053-UG-FAS	0.104398738	0.24858638	0.14418765	14.87838029	0.000219677	-0.665556343	0.051193949	-11.74379376	83.90060194	86.7735471	2.36969793	9.38687	9.38687	9.38687
Psp0054-UG-FAS	0.063495737	0.82478989	0.142693329	7.83244635	0.00169779	0.054112727	0.08851064	0.13970938	86.7735471	2.36969793	2.36969793	2.36969793	2.36969793	2.36969793
Psp0055-UG-FAS	0.32045005	0.07873781	0.07873781	0.07873781	0.00000000	0.07873781	0.00000000	0.00000000	0.00000000	1.08672284	1.08672284	1.08672284	9.86285	9.86285
Psp0056-UG-FAS	0.104398738	0.24858638	0.14418765	14.87838029	0.000219677	-0.665556343	0.051193949	-11.74379376	83.90060194	86.7735471	2.36969793	9.38687	9.38687	9.38687
Psp0057-UG-FAS	0.063495737	0.82478989	0.142693329	7.83244635	0.00169779	0.054112727	0.08851064	0.13970938	86.7735471	2.36969793	2.36969793	2.36969793	2.36969793	2.36969793
Psp0058-UG-FAS	0.32045005	0.07873781	0.07873781	0.07873781	0.00000000	0.07873781	0.00000000	0.00000000	0.00000000	1.08672284	1.08672284	1.08672284	9.86285	9.86285
Psp0059-UG-FAS	0.104398738	0.24858638	0.14418765	14.87838029	0.000219677	-0.665556343	0.051193949	-11.74379376	83.90060194	86.7735471	2.36969793	9.38687	9.38687	9.38687
Psp0060-UG-FAS	0.063495737	0.82478989	0.142693329	7.83244635	0.00169779	0.054112727	0.08851064	0.13970938	86.7735471	2.36969793	2.36969793	2.36969793	2.36969793	2.36969793
Psp0061-UG-FAS	0.32045005	0.07873781	0.07873781	0.07873781	0.00000000	0.07873781	0.00000000	0.00000000	0.00000000	1.08672284	1.08672284	1.08672284	9.86285	9.86285
Psp0062-UG-FAS	0.104398738	0.24858638	0.14418765	14.87838029	0.000219677	-0.665556343	0.051193949	-11.74379376	83.90060194	86.7735471	2.36969793	9.38687	9.38687	9.38687
Psp0063-UG-FAS	0.063495737	0.82478989	0.142693329	7.83244635	0.00169779	0.054112727	0.08851064	0.13970938	86.7735471	2.36969793	2.36969793	2.36969793	2.36969793	2.36969793
Psp0064-UG-FAS	0.32045005	0.07873781	0.07873781	0.07873781	0.00000000	0.07873781	0.00000000	0.00000000	0.00000000	1.08672284	1.08672284	1.08672284	9.86285	9.86285
Psp0065-UG-FAS	0.104398738	0.24858638	0.14418765	14.87838029	0.000219677	-0.665556343	0.051193949	-11.74379376	83.90060194	86.7735471	2.36969793	9.38687	9.38687	9.38687
Psp0066-UG-FAS	0.063495737	0.82478989	0.142693329	7.83244635	0.00169779	0.054112727	0.08851064	0.13970938	86.7735471	2.36969793	2.36969793	2.36969793	2.36969793	2.36969793
Psp0067-UG-FAS	0.32045005	0.07873781	0.07873781	0.07873781	0.00000000	0.07873781	0.00000000	0.00000000	0.00000000	1.08672284	1.08672284	1.08672284	9.86285	9.86285
Psp0068-UG-FAS	0.104398738	0.24858638	0.14418765	14.87838029	0.000219677									

SPD-37 Table 1: Data Set

id	unit	unit_risk_mitigation_benefit	average_program_risk_mitigation_benefit	total_costs_net	total_costs_net_by_v	incremental_costs	incremental_costs_by_v	incremental_costs_net	incremental_costs_net_by_v	total_mitigation_benefit_scaled	total_mitigation_benefit_unscaled	average_unit_cost_net_mle	total_costs	total_program_costs
P000002.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000003.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000004.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000005.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000006.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000007.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000008.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000009.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000010.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000011.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000012.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000013.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000014.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000015.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000016.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000017.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000018.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000019.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000020.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000021.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000022.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000023.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000024.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000025.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000026.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000027.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000028.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000029.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000030.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000031.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000032.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000033.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000034.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000035.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000036.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000037.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000038.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000039.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000040.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000041.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000042.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000043.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000044.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000045.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000046.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000047.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000048.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000049.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000050.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000051.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000052.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000053.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000054.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000055.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063	0.25817063	25.817063	2.6161684	0.94387	2.3441799	2.33109873
P000056.UG.A.1	0.01860581	0.52609105	0.53865593	6.09332608	0.00272083	0.14183041	0.25817063	0.25817063</						

SPD-37
Pacific Gas and Electric Company
Electrical Undergrounding Program
SPD-37 Table 1: Data Set

row_id	present_value_project_costs	benefit_cost_ratio_scaled	benefit_cost_ratio_unscaled	backcasted_total_mitigation_benefit	backcasted_present_value_project_costs	backcasted_benefit_cost_ratio	unit_cost_percentage_difference	bcr_percentage_difference	risk_model	reporting_date	calculated_date
Prog0001-3UG-LGAS	15,4550846	-15,441261	-15,178150	116,294484	15,4550846	-15,441261			WBCA_v1.0	9/30/2026	9/4/2026
Prog0001-3UG-LGAS	10,92413277	-6,73973061	-4,50053063						WBCA_v1.0	9/30/2026	9/4/2026
Prog0001-3UG-LGAS	10,4506946	-17,4452952	-12,2467158						WBCA_v1.0	9/30/2026	9/4/2026
Prog0002-3UG-LGAS	10,8969466	8,81394238	8,06443448	40,472096	10,8969466	8,81394238			WBCA_v1.0	9/30/2026	9/4/2026
Prog0002-3UG-LGAS	10,92087136	-27,73044267	-26,01150791						WBCA_v1.0	9/30/2026	9/4/2026
Prog0003-3UG-LGAS	10,8905986	16,1024673	8,46147959						WBCA_v1.0	9/30/2026	9/4/2026
Prog0003-3UG-LGAS	48,99728187	7,07173363	5,48870566	153,4120952	48,99728187	7,07173363			WBCA_v1.0	9/30/2026	9/4/2026
Prog0003-3UG-LGAS	49,15140347	-16,67646443	-13,21852912						WBCA_v1.0	9/30/2026	9/4/2026
Prog0003-3UG-LGAS	48,99728187	8,12484488	4,436278008						WBCA_v1.0	9/30/2026	9/4/2026
Prog0004-3UG-LGAS	1,84702961	6,10208026	2,67728984	4,059912421	1,84702961	6,10208026			WBCA_v1.0	9/30/2026	9/4/2026
Prog0004-3UG-LGAS	1,65345132	-10,1028449	-4,28071447						WBCA_v1.0	9/30/2026	9/4/2026
Prog0004-3UG-LGAS	1,94702961	6,46008129	2,86810503						WBCA_v1.0	9/30/2026	9/4/2026
Prog0005-3UG-LGAS	22,61234423	-6,48844923	-3,12873118	17,4098477	22,61234423	-6,48844923			WBCA_v1.0	9/30/2026	9/4/2026
Prog0005-3UG-LGAS	22,70050203	-1,001701251	0,469424303						WBCA_v1.0	9/30/2026	9/4/2026
Prog0006-3UG-LGAS	29,61244423	-7,067473068	-3,545642862						WBCA_v1.0	9/30/2026	9/4/2026
Prog0006-3UG-LGAS	2,487260175	12,85451361	3,505598116						WBCA_v1.0	9/30/2026	9/4/2026
Prog0006-3UG-LGAS	2,475519757	-74,22275465	-56,10041448	17,18199538	2,487260175	12,85451361			WBCA_v1.0	9/30/2026	9/4/2026
Prog0006-3UG-LGAS	2,487260175	14,43937249	11,08652372						WBCA_v1.0	9/30/2026	9/4/2026
Prog0007-3UG-LGAS	4,591184704	3,17798373	1,106027901	10,21519789	4,591184704	3,17798373			WBCA_v1.0	9/30/2026	9/4/2026
Prog0007-3UG-LGAS	4,564199626	41,83021594	14,44300302						WBCA_v1.0	9/30/2026	9/4/2026
Prog0007-3UG-LGAS	4,591184704	3,17798373	1,106027901						WBCA_v1.0	9/30/2026	9/4/2026
Prog0008-3UG-LGAS	61,45008662	10,60863323	0,778867794	95,53408497	61,45008662	10,60863323			WBCA_v1.0	9/30/2026	9/4/2026
Prog0008-3UG-LGAS	61,6502948	5,05160259	2,321768914						WBCA_v1.0	9/30/2026	9/4/2026
Prog0008-3UG-LGAS	61,45008662	1,735705566	0,831065777						WBCA_v1.0	9/30/2026	9/4/2026
Prog0009-3UG-LGAS	36,89262319	4,37589315	3,040682773	70,0515368	36,89262319	4,37589315			WBCA_v1.0	9/30/2026	9/4/2026
Prog0009-3UG-LGAS	37,0788327	-6,82064	-4,86247452						WBCA_v1.0	9/30/2026	9/4/2026
Prog0009-3UG-LGAS	36,90562319	4,905030674	3,55530999						WBCA_v1.0	9/30/2026	9/4/2026
Prog0010-3UG-LGAS	33,30283999	2,71091154	2,354519936	71,36308394	33,30283999	2,71091154			WBCA_v1.0	9/30/2026	9/4/2026
Prog0010-3UG-LGAS	33,40709445	21,995239	18,80071906						WBCA_v1.0	9/30/2026	9/4/2026
Prog0010-3UG-LGAS	33,30283999	3,96027045	2,837713987						WBCA_v1.0	9/30/2026	9/4/2026
Prog0011-3UG-LGAS	25,4725293	16,63723447	16,63723447	144,1629639	25,4725293	16,63723447			WBCA_v1.0	9/30/2026	9/4/2026
Prog0011-3UG-LGAS	25,50569718	-15,93581853	-12,82164128						WBCA_v1.0	9/30/2026	9/4/2026
Prog0011-3UG-LGAS	25,4725293	24,17115933	19,44674763						WBCA_v1.0	9/30/2026	9/4/2026
Prog0012-3UG-LGAS	23,13364932	4,033562861	3,135378866	64,13200218	23,13364932	4,033562861			WBCA_v1.0	9/30/2026	9/4/2026
Prog0012-3UG-LGAS	23,20842887	-59,57874418	-44,28674336						WBCA_v1.0	9/30/2026	9/4/2026
Prog0012-3UG-LGAS	23,13364932	5,24717205	3,63366971						WBCA_v1.0	9/30/2026	9/4/2026
Prog0013-3UG-LGAS	43,47247051	3,355848146	2,821028538	84,19565087	43,47247051	3,355848146			WBCA_v1.0	9/30/2026	9/4/2026
Prog0013-3UG-LGAS	43,6134725	-108,687781	-688,8039352						WBCA_v1.0	9/30/2026	9/4/2026
Prog0013-3UG-LGAS	43,47247051	3,34201728	3,504214516						WBCA_v1.0	9/30/2026	9/4/2026
Prog0014-3UG-LGAS	5,35957724	11,34175566	7,170180212	15,44005669	5,35957724	11,34175566			WBCA_v1.0	9/30/2026	9/4/2026
Prog0014-3UG-LGAS	5,37392411	-17,8543537	-4,80739175						WBCA_v1.0	9/30/2026	9/4/2026
Prog0014-3UG-LGAS	5,35957724	15,448178623	6,216485008						WBCA_v1.0	9/30/2026	9/4/2026
Prog0015-3UG-LGAS	100,8544398	2,891387056	1,431159971	232,8128305	100,8544398	2,891387056			WBCA_v1.0	9/30/2026	9/4/2026
Prog0015-3UG-LGAS	101,1171078	16,12266997	8,052464973						WBCA_v1.0	9/30/2026	9/4/2026
Prog0015-3UG-LGAS	100,8544398	3,139813268	1,630045303						WBCA_v1.0	9/30/2026	9/4/2026
Prog0015-3UG-LGAS	7,11289524	1,103362625	0,411813158	9,930895428	7,11289524	1,103362625			WBCA_v1.0	9/30/2026	9/4/2026
Prog0016-3UG-LGAS	7,841234691	7,419381744	0,449305431						WBCA_v1.0	9/30/2026	9/4/2026
Prog0017-3UG-LGAS	7,12889524	1,661984811	0,449305431						WBCA_v1.0	9/30/2026	9/4/2026
Prog0017-3UG-LGAS	15,90433380	9,040402259	8,186180101	84,59410089	15,90433380	9,040402259			WBCA_v1.0	9/30/2026	9/4/2026
Prog0017-3UG-LGAS	15,95411987	-59,84436265	-81,15186294						WBCA_v1.0	9/30/2026	9/4/2026
Prog0017-3UG-LGAS	15,90433380	10,74155647	9,786230383						WBCA_v1.0	9/30/2026	9/4/2026
Prog0018-3UG-LGAS	10,49864663	11,85589145	8,735589302	56,80169386	10,49864663	11,85589145			WBCA_v1.0	9/30/2026	9/4/2026
Prog0018-3UG-LGAS	10,53165798	-29,29145854	-21,54760703						WBCA_v1.0	9/30/2026	9/4/2026
Prog0018-3UG-LGAS	10,49864663	13,714572923	10,16220078						WBCA_v1.0	9/30/2026	9/4/2026
Prog0019-3UG-LGAS	58,31708172	3,313175051	2,638063894	122,3187897	58,31708172	3,313175051			WBCA_v1.0	9/30/2026	9/4/2026
Prog0019-3UG-LGAS	58,48718973	-49,3011078	-133,071022						WBCA_v1.0	9/30/2026	9/4/2026
Prog0019-3UG-LGAS	58,31708172	3,84210948	3,13831368						WBCA_v1.0	9/30/2026	9/4/2026
Prog0020-3UG-LGAS	23,3462748	4,60010282	2,29521943	18,38476524	23,3462748	4,60010282			WBCA_v1.0	9/30/2026	9/4/2026
Prog0020-3UG-LGAS	23,41972342	-1,720469257	0,887162123						WBCA_v1.0	9/30/2026	9/4/2026
Prog0020-3UG-LGAS	23,3462748	5,016286703	2,617008978						WBCA_v1.0	9/30/2026	9/4/2026
Prog0021-3UG-LGAS	80,37069226	2,80349372	0,878913877	149,3403987	80,37069226	2,80349372			WBCA_v1.0	9/30/2026	9/4/2026
Prog0021-3UG-LGAS	80,68374714	99,0456478	181,7338033						WBCA_v1.0	9/30/2026	9/4/2026
Prog0021-3UG-LGAS	80,37069226	2,90546704	0,860595128						WBCA_v1.0	9/30/2026	9/4/2026
Prog0022-3UG-LGAS	0,898614377	3,303041153	0,868996432	2,27087615	0,898614377	3,303041153			WBCA_v1.0	9/30/2026	9/4/2026
Prog0022-3UG-LGAS	0,89260308	42,10089955	11,6862139						WBCA_v1.0	9/30/2026	9/4/2026
Prog0022-3UG-LGAS	0,898614377	3,303041153	0,868996432						WBCA_v1.0	9/30/2026	9/4/2026
Prog0023-3UG-LGAS	142,0336028	3,899119027	2,200701366	310,3067481	142,0336028	3,899119027			WBCA_v1.0	9/30/2026	9/4/2026
Prog0023-3UG-LGAS	142,4804884	-29,10624877	-17,61103945						WBCA_v1.0	9/30/2026	9/4/2026
Prog0023-3UG-LGAS	142,0336028	4,424817888	2,265454282						WBCA_v1.0	9/30/2026	9/4/2026
Prog0024-3UG-LGAS	4,361234595	-42,14206302	-21,5632114	5,641874881	4,361234595	-42,14206302			WBCA_v1.0	9/30/2026	9/4/2026
Prog0024-3UG-LGAS	4,37769283	-2,62952266	-1,027396238						WBCA_v1.0	9/30/2026	9/4/2026
Prog0024-3UG-LGAS	4,361234595	-46,4838471	-24,78496163						WBCA_v1.0	9/30/2026	9/4/2026
Prog0025-3UG-LGAS	18,60844454	2,6288083	0,899774882	24,45394237	18,60844454	2,6288083			WBCA_v1.0	9/30/2026	9/4/2026
Prog0025-3UG-LGAS	18,60844454	-6,669952029	-3,13270383						WBCA_v1.0	9/30/2026	9/4/2026
Prog0026-3UG-LGAS	14,04265953	2,743206827	0,980563489	10,02959587	14,04265953	2,743206827			WBCA_v1.0	9/30/2026	9/4/2026
Prog0026-3UG-LGAS	14,04265953	1,81878789	0,828897845						WBCA_v1.0	9/30/2026	9/4/2026
Prog0026-3UG-LGAS	14,08867413	-2,00718944	-6,397789715						WBCA_v1.0	9/30/2026	9/4/2026
Prog0027-3UG-LGAS	14,04265953	21,87484177	7,487514594						WBCA_v1.0	9/30/2026	9/4/2026
Prog0027-3UG-LGAS	4,49501834	1653,107738	1074,756079	105,6200556	4,49501834	1653,107738			WBCA_v1.0	9/30/2026	9/4/2026
Prog0027-3UG-LGAS	4,412644289	-39,40824508	-25,68827982						WBCA_v1.0	9/30/2026	9/4/2026
Prog0027-3UG-LGAS	4,49501834	1871,124788	1246,120759						WBCA_v1.0	9/30/2026	9/4/2026
Prog0028-3UG-LGAS	12,24722811	145,7186783	101,8626438	81,56733831	12,24722811	145,7186783			WBCA_v1.0	9/30/2026	9/4/2026
Prog0028-3UG-LGAS	12,28975692	-11,54231753	-8,032044521						WBCA_v1.0	9/30/2026	9/4/2026
Prog0028-3UG-LGAS	12,24722811	187,881127	118,1620237						WBCA_v1.0	9/30/2026	9/4/2026

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row_id	asset_value_project_costs	benefit_cost_ratio_scaled	benefit_cost_ratio_unscaled	backcasted_total_mitigation_benefit	backcasted_asset_value_project_costs	backcasted_benefit_cost_ratio	mit_cost_percentage_difference	bcr_percentage_difference	risk_model	reporting_date	calculated_date
Psg0007-3-UG-PAS	1,745,70081	13.30952003	13.3020214	0.73777367	0.845935369	0.78128476	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0007-3-UG-PAS	13,7580555	2.73777367	0.845935369	0.78128476	0.845935369	0.78128476	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0008-3-UG-PAS	75,5068101	1.82095295	0.78128476	0.845935369	0.78128476	0.845935369	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0009-3-UG-PAS	27,4867306	4.44707048	3.09037307	2.45270365	2.96786112	2.45270365	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0010-3-UG-PAS	34,86286729	2.845986121	2.45270365	2.96786112	2.45270365	2.96786112	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0011-3-UG-PAS	25,17233863	4.355114655	3.09037307	2.45270365	2.96786112	2.45270365	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0012-3-UG-PAS	106,6875045	2.890184738	1.47852057	0.8174594	0.8174594	0.8174594	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0013-3-UG-PAS	39,75066223	2.290935981	0.8174594	0.8174594	0.8174594	0.8174594	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0014-3-UG-PAS	25,4302056	9.14888244	3.385424547	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0022-3-UG-PAS	3,453245506	3.17868186	2.26311373	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0023-3-UG-PAS	142,2502713	3.36486763	2.26311373	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0028-3-UG-PAS	13,07629214	80.34000827	42.25790468	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0029-3-UG-PAS	3,7863715	163.098622	126.3657363	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0037-3-UG-PAS	14,74304177	9.34652128	2.868189714	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0038-3-UG-PAS	77,54645496	5.486245803	2.360211873	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0039-3-UG-PAS	27,64411231	6.803738857	2.86722271	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0010-3-UG-PAS	35,02874379	20.42455879	17.84380570	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0012-3-UG-PAS	25,38109088	583.073612	179.7175137	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0015-3-UG-PAS	107,3368684	16.19071839	8.026757796	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0016-3-UG-PAS	41,85963229	6.36063889	1.787173424	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0017-3-UG-PAS	22,88150289	114.869854	106.420874	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0022-3-UG-PAS	3,6509375	9.581087748	2.653626111	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0023-3-UG-PAS	142,7203414	59.0542493	17.7395099	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0028-3-UG-PAS	13,10381460	-12.3458454	8.626465079	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0029-3-UG-PAS	3,744576081	15.22788722	11.89574346	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0037-3-UG-PAS	13,7580555	2.845986121	2.45270365	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0038-3-UG-PAS	75,5068101	1.855236519	0.873162036	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0039-3-UG-PAS	37,4867306	5.04579352	3.615286458	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0010-3-UG-PAS	34,86286729	3.344752182	2.915105128	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0012-3-UG-PAS	25,17233863	4.94024808	3.442682062	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0013-3-UG-PAS	39,75066223	2.368819171	0.68407393	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0014-3-UG-PAS	25,4302056	10.7348414	9.032491052	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0022-3-UG-PAS	3,453245506	3.422207487	0.845271096	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0023-3-UG-PAS	142,2502713	4.87515763	2.558100805	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0028-3-UG-PAS	13,07629214	88.4383358	48.19122889	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0029-3-UG-PAS	15,45566848	15.641261	-10.57618224	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0037-3-UG-PAS	13,7580555	8.611824238	8.09434348	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0038-3-UG-PAS	43,99728187	7.671733363	6.48870456	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0039-3-UG-PAS	1,84732981	6.120280528	2.977288984	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0010-3-UG-PAS	22,61214423	6.48846507	3.19272118	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0011-3-UG-PAS	26,4725203	20.80775012	16.65252047	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0012-3-UG-PAS	43,4979481	3.05233759	2.821418947	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0013-3-UG-PAS	5,09877724	11.34171966	7.17018612	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0014-3-UG-PAS	10,49864693	11.85862145	8.732585832	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0015-3-UG-PAS	58,81708122	3.13177581	2.488685884	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0022-3-UG-PAS	25,3462748	4.68610262	2.295231543	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0023-3-UG-PAS	80,3768228	2.85349373	0.879713977	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0028-3-UG-PAS	4,38124396	-45.14262021	-21.6037114	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0029-3-UG-PAS	18,60844454	2.62880683	0.898774882	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0037-3-UG-PAS	14,94255853	21.81787839	8.89873544	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0038-3-UG-PAS	4,9591834	953.137739	1074.758079	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0039-3-UG-PAS	10,50413277	6.79732811	4.59853693	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0010-3-UG-PAS	10,50413277	27.7384287	26.51152919	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0012-3-UG-PAS	49,15140347	-16.47646443	-13.21852012	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0013-3-UG-PAS	1,85451312	-10.1829458	-4.22871147	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0014-3-UG-PAS	22,7005923	-1.831781251	-0.49904263	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0015-3-UG-PAS	25,5526716	-15.93581853	-12.82164128	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0016-3-UG-PAS	43,62817777	-11.7236244	-1046.125738	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0017-3-UG-PAS	5,375934811	-7.65243532	-4.80735932	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0018-3-UG-PAS	13,51750789	-29.2515864	-21.84761033	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0019-3-UG-PAS	84,46718973	-162.3611078	-135.671502	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0020-3-UG-PAS	23,41072342	-1.752406557	0.887162732	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0021-3-UG-PAS	80,68174174	693.0464719	181.1738601	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0024-3-UG-PAS	4,37380209	-2.02265268	-1.027396238	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0025-3-UG-PAS	14,55934031	-8.88959205	-3.13237381	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0026-3-UG-PAS	14,0867413	-1.920749944	-0.307778715	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0027-3-UG-PAS	4,12544289	-39.4382450	-25.68879862	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0028-3-UG-PAS	15,45566848	-17.24529921	-12.2467138	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020	9/4/2020
Psg0029-3-UG-PAS	10,89085868	10.0228475	8.461747009	0.880692602	0.880692602	0.880692602	93/2020	94/2020	WBCEA_v10	9/30/2020</	

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row_id	resnet_value_project_costs	benefit_cost_ratio_scaled	benefit_cost_ratio_unscaled	backcasted_total_mitigation_benefit	backcasted_resnet_value_project_costs	backcasted_benefit_cost_ratio	mit_cost_percentage_difference	bcr_percentage_difference	risk_model	reporting_date	calculated_date
Proj0000-SUG-ALT1	3.307244501	7.741336706	8.658891302	17.41036706	17.41036706	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	3.307244502	8.658891302	8.658891302	17.41036706	17.41036706	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	3.307244503	18.47109114	18.47109114	18.47109114	18.47109114	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	1.65000436	5.24522336	5.24522336	5.24522336	5.24522336	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	10.94014009	4.476031563	3.962043717	3.962043717	3.962043717	0.359959583	-0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	10.94014009	3.962043717	3.962043717	3.962043717	3.962043717	0.359959583	-0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	0.382141798	4.505811197	2.011223024	2.011223024	2.011223024	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	0.382141798	4.753384952	2.226167112	2.226167112	2.226167112	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	0.418569105	10.83012266	4.656218736	4.656218736	4.656218736	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	8.467876249	5.566892453	0.228755945	0.228755945	0.228755945	0.000000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	8.467876249	1.33291155	0.553454547	0.553454547	0.553454547	0.000000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	8.467876249	0.541663251	0.20801896	0.20801896	0.20801896	0.000000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	1.83965701	7.893943113	6.39567176	6.39567176	6.39567176	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	1.83965701	6.853172231	5.580303676	5.580303676	5.580303676	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	1.96388056	17.08908814	13.84488868	13.84488868	13.84488868	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	1.42849184	6.77493454	1.98903125	1.98903125	1.98903125	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	10.72724679	2.584471708	0.753861163	0.753861163	0.753861163	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	10.72724679	2.671073457	0.814057281	0.814057281	0.814057281	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	24.58013605	2.576447234	0.834454862	0.834454862	0.834454862	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	26.18170018	6.319476532	2.076250414	2.076250414	2.076250414	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	24.58013605	2.8969901	0.905565736	0.905565736	0.905565736	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	8.175263789	3.084711141	2.269181253	2.269181253	2.269181253	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	9.175263789	3.443934574	2.612854443	2.612854443	2.612854443	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	9.773161786	8.467712832	6.34697359	6.34697359	6.34697359	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	10.85961611	3.873265665	3.373103903	3.373103903	3.373103903	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	11.52615216	8.87329234	7.87329234	7.87329234	7.87329234	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	10.85961611	4.487458104	3.854315951	3.854315951	3.854315951	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	7.878620239	14.43302358	13.48264912	13.48264912	13.48264912	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	7.28849995	5.822228418	5.222155814	5.222155814	5.222155814	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	7.28849995	6.434502514	6.036200136	6.036200136	6.036200136	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	7.28849995	1.867302358	1.867302358	1.867302358	1.867302358	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	7.28849995	2.846203547	2.132471067	2.132471067	2.132471067	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	7.743788278	6.459735955	4.693225412	4.693225412	4.693225412	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	14.21710325	9.562020865	8.038816542	8.038816542	8.038816542	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	13.55610107	3.459963845	3.128742863	3.128742863	3.128742863	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	13.55610107	4.55817862	3.98152637	3.98152637	3.98152637	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	4.914528179	3.358366622	2.777038985	2.777038985	2.777038985	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	1.650847638	4.65993814	2.960266003	2.960266003	2.960266003	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	1.78731678	11.10070993	7.277038985	7.277038985	7.277038985	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	1.650847638	4.65993814	2.960266003	2.960266003	2.960266003	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	34.62293313	3.045961057	1.448662712	1.448662712	1.448662712	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	26.8732884	7.80445458	3.845242556	3.845242556	3.845242556	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	34.62293313	1.65063003	1.65063003	1.65063003	1.65063003	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	30.87203445	6.222734513	1.734271158	1.734271158	1.734271158	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	30.87203445	2.53105047	2.750333176	2.750333176	2.750333176	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	33.67204798	2.457863831	0.683382761	0.683382761	0.683382761	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	11.6114214	28.5028713	24.54138713	24.54138713	24.54138713	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	10.99118248	8.188187775	6.642094732	6.642094732	6.642094732	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	10.99118248	10.68838974	10.12689198	10.12689198	10.12689198	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	3.043411901	3.937281832	3.195748689	3.195748689	3.195748689	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	3.85263365	8.17420878	7.043881304	7.043881304	7.043881304	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	3.85263365	3.393135611	2.74769216	2.74769216	2.74769216	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	13.08763604	4.841428139	4.105050371	4.105050371	4.105050371	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	13.08763604	4.223293352	3.509835497	3.509835497	3.509835497	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	13.81799225	11.74587184	9.937207817	9.937207817	9.937207817	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	7.342848876	1.102811147	0.618418069	0.618418069	0.618418069	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	7.342848876	1.98877228	0.703919485	0.703919485	0.703919485	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	7.762389275	2.861145722	1.554291901	1.554291901	1.554291901	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	28.27907077	6.22898227	1.858955431	1.858955431	1.858955431	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	26.56748589	2.432638951	0.759232384	0.759232384	0.759232384	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	26.56748589	2.532996428	0.78668107	0.78668107	0.78668107	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	2.754561362	3.265511296	0.928730987	0.928730987	0.928730987	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	2.754561362	3.158511081	0.879185015	0.879185015	0.879185015	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	2.801015111	7.624182542	2.128549452	2.128549452	2.128549452	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	27.33732548	4.098462098	2.614071172	2.614071172	2.614071172	0.500000000	0.000000000	0.000000000	WBCA_v100	9/30/2020	9/4/2020
Proj0000-SUG-ALT1	37.33732548	3.733623117	2.277455876	2.277455876	2.277455876	0.500000000					

ATTACHMENT 6

SPD-37 TABLE 7

Please see PGE_EUPERR_2026-10-12_Attachment D_R0.zip and the PDF following this cover sheet and reference:

- PGE_EUPERR_2026-10-12_SPD37-T7_R0.csv

Note, the following fields have been revised but are not shown in redline because of the volume of changes made in the native CSV file format: all annual_costs_in_year_1 values where the RRU_ID is an Alt1 RRU, and where costs_type is incremental_om_costs or incremental_om_savings.

SPD-37
Pacific Gas and Electric Company
Electrical Undergrounding Program
SPD-37 Table 7: Annual Costs (Capital and O&M) and O&M Savings

rru_id	oeis_subproject_id	oeis_project_id	mitigation_type_nbb	costs_type	used_and_useful_date	year_1	annual_costs_in_year_1	annual_costs_in_year_2	annual_costs_in_year_3	annual_costs_in_year_4	annual_costs_in_year_5
Prj00001-3UG-ALT1		Prj00001	Overhead Hardening	CapEx		2028	2.88739171	0			
Prj00001-3UG-ALT1		Prj00001	Overhead Hardening	Incremental OM Costs		2028	0.008392938	0.008584297	0.008780019	0.008980203	0.009184952
Prj00001-3UG-ALT1		Prj00001	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00001-3UG-PAS		Prj00001	Undergrounding	CapEx	9/28/2028	2028	10.41980636	0.698225967			
Prj00001-3UG-PAS		Prj00001	Undergrounding	Incremental OM Costs	9/28/2028	2028	0.001263181	0.001291981	0.001321438	0.001351567	0.001382383
Prj00001-3UG-PAS		Prj00001	Undergrounding	Incremental OM Savings	9/28/2028	2028	-1.083283707	-1.107982575	-1.133244578	-1.159082554	-1.185509636
Prj00001-3UG-UGAS	Prj00001-3UG-UGAS	Prj00001	No-Build Baseline	OM Costs NBB	9/28/2028	2028	3.489191887	1.21649819	1.244234349	1.272602892	1.301618238
Prj00001-3UG-UGAS	Prj00001-3UG-UGAS	Prj00001	Undergrounding	CapEx	9/28/2028	2028	10.41980636	0.698225967			
Prj00001-3UG-UGAS	Prj00001-3UG-UGAS	Prj00001	Undergrounding	Incremental OM Costs	9/28/2028	2028	0.001263181	0.001291981	0.001321438	0.001351567	0.001382383
Prj00001-3UG-UGAS	Prj00001-3UG-UGAS	Prj00001	Undergrounding	Incremental OM Savings	9/28/2028	2028	-1.083283707	-1.107982575	-1.133244578	-1.159082554	-1.185509636
Prj00002-3UG-ALT1		Prj00002	Overhead Hardening	CapEx		2028	2.32401759	0			
Prj00002-3UG-ALT1		Prj00002	Overhead Hardening	Incremental OM Costs		2028	0.007072083	0.007233326	0.007398246	0.007566926	0.007739452
Prj00002-3UG-ALT1		Prj00002	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00002-3UG-PAS		Prj00002	Undergrounding	CapEx	11/6/2028	2028	7.339986637	0.492412803			
Prj00002-3UG-PAS		Prj00002	Undergrounding	Incremental OM Costs	11/6/2028	2028	0.001014738	0.001037874	0.001061538	0.001085741	0.001110496
Prj00002-3UG-PAS		Prj00002	Undergrounding	Incremental OM Savings	11/6/2028	2028	-0.269423569	-0.275566426	-0.281849341	-0.288275506	-0.294848187
Prj00002-3UG-UGAS	Prj00002-3UG-UGAS	Prj00002	No-Build Baseline	OM Costs NBB	11/6/2028	2028	1.580799453	0.551141851	0.563707885	0.576560425	0.589706002
Prj00002-3UG-UGAS	Prj00002-3UG-UGAS	Prj00002	Undergrounding	CapEx	11/6/2028	2028	7.339986637	0.492412803			
Prj00002-3UG-UGAS	Prj00002-3UG-UGAS	Prj00002	Undergrounding	Incremental OM Costs	11/6/2028	2028	0.001014738	0.001037874	0.001061538	0.001085741	0.001110496
Prj00002-3UG-UGAS	Prj00002-3UG-UGAS	Prj00002	Undergrounding	Incremental OM Savings	11/6/2028	2028	-0.269423569	-0.275566426	-0.281849341	-0.288275506	-0.294848187
Prj00003-3UG-ALT1		Prj00003	Overhead Hardening	CapEx		2028	7.55079645	0			
Prj00003-3UG-ALT1		Prj00003	Overhead Hardening	Incremental OM Costs		2028	0.022977413	0.023501298	0.024037128	0.024565174	0.025145716
Prj00003-3UG-ALT1		Prj00003	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00003-3UG-PAS		Prj00003	Undergrounding	CapEx	10/2/2028	2028	33.02985887	2.215857614			
Prj00003-3UG-PAS		Prj00003	Undergrounding	Incremental OM Costs	10/2/2028	2028	0.004008776	0.004100176	0.00419366	0.004289276	0.004387071
Prj00003-3UG-PAS		Prj00003	Undergrounding	Incremental OM Savings	10/2/2028	2028	-1.339983309	-1.370534928	-1.401783124	-1.43374378	-1.466433138
Prj00003-3UG-UGAS	Prj00003-3UG-UGAS	Prj00003	No-Build Baseline	OM Costs NBB	10/2/2028	2028	4.515029942	1.574154111	1.610044825	1.646753847	1.684299835
Prj00003-3UG-UGAS	Prj00003-3UG-UGAS	Prj00003	Undergrounding	CapEx	10/2/2028	2028	33.02985887	2.215857614			
Prj00003-3UG-UGAS	Prj00003-3UG-UGAS	Prj00003	Undergrounding	Incremental OM Costs	10/2/2028	2028	0.004008776	0.004100176	0.00419366	0.004289276	0.004387071
Prj00003-3UG-UGAS	Prj00003-3UG-UGAS	Prj00003	Undergrounding	Incremental OM Savings	10/2/2028	2028	-1.339983309	-1.370534928	-1.401783124	-1.43374378	-1.466433138
Prj00004-3UG-ALT1		Prj00004	Overhead Hardening	CapEx		2028	0.25824639	0			
Prj00004-3UG-ALT1		Prj00004	Overhead Hardening	Incremental OM Costs		2028	0.001183262	0.001210241	0.001237834	0.001266057	0.001294293
Prj00004-3UG-ALT1		Prj00004	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00004-3UG-PAS		Prj00004	Undergrounding	CapEx	10/9/2028	2028	1.109836476	0.074455044			
Prj00004-3UG-PAS		Prj00004	Undergrounding	Incremental OM Costs	10/9/2028	2028	0.000167032	0.00017084	0.000174735	0.000178719	0.000182794
Prj00004-3UG-PAS		Prj00004	Undergrounding	Incremental OM Savings	10/9/2028	2028	-0.048039455	-0.049134755	-0.050255027	-0.051400842	-0.052572781
Prj00004-3UG-UGAS	Prj00004-3UG-UGAS	Prj00004	No-Build Baseline	OM Costs NBB	10/9/2028	2028	0.159304079	0.055540976	0.056807311	0.058102517	0.059427255
Prj00004-3UG-UGAS	Prj00004-3UG-UGAS	Prj00004	Undergrounding	CapEx	10/9/2028	2028	1.109836476	0.074455044			
Prj00004-3UG-UGAS	Prj00004-3UG-UGAS	Prj00004	Undergrounding	Incremental OM Costs	10/9/2028	2028	0.000167032	0.00017084	0.000174735	0.000178719	0.000182794
Prj00004-3UG-UGAS	Prj00004-3UG-UGAS	Prj00004	Undergrounding	Incremental OM Savings	10/9/2028	2028	-0.048039455	-0.049134755	-0.050255027	-0.051400842	-0.052572781
Prj00005-3UG-ALT1		Prj00005	Overhead Hardening	CapEx		2028	5.87601945	0			
Prj00005-3UG-ALT1		Prj00005	Overhead Hardening	Incremental OM Costs		2028	0.015602618	0.015958358	0.016322208	0.016694354	0.017074986
Prj00005-3UG-ALT1		Prj00005	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00005-3UG-PAS		Prj00005	Undergrounding	CapEx	10/30/2028	2028	15.23712995	1.022205712			
Prj00005-3UG-PAS		Prj00005	Undergrounding	Incremental OM Costs	10/30/2028	2028	0.002293214	0.002345499	0.002398976	0.002453673	0.002509617
Prj00005-3UG-PAS		Prj00005	Undergrounding	Incremental OM Savings	10/30/2028	2028	-1.227385609	-1.253370001	-1.283992437	-1.313267464	-1.343209962
Prj00005-3UG-UGAS	Prj00005-3UG-UGAS	Prj00005	No-Build Baseline	OM Costs NBB	10/30/2028	2028	3.772297628	1.31694555	1.346971909	1.377682868	1.409094037
Prj00005-3UG-UGAS	Prj00005-3UG-UGAS	Prj00005	Undergrounding	CapEx	10/30/2028	2028	15.23712995	1.022205712			
Prj00005-3UG-UGAS	Prj00005-3UG-UGAS	Prj00005	Undergrounding	Incremental OM Costs	10/30/2028	2028	0.002293214	0.002345499	0.002398976	0.002453673	0.002509617
Prj00005-3UG-UGAS	Prj00005-3UG-UGAS	Prj00005	Undergrounding	Incremental OM Savings	10/30/2028	2028	-1.227385609	-1.253370001	-1.283992437	-1.313267464	-1.343209962
Prj00006-3UG-ALT1		Prj00006	Overhead Hardening	CapEx		2028	1.29027	0			
Prj00006-3UG-ALT1		Prj00006	Overhead Hardening	Incremental OM Costs		2028	0.003384691	0.003461862	0.003540792	0.003621522	0.003704093
Prj00006-3UG-ALT1		Prj00006	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00006-3UG-PAS		Prj00006	Overhead Hardening, Undergrounding	CapEx	8/2/2028	2028	2.562120367	0.111579633			
Prj00006-3UG-PAS		Prj00006	Overhead Hardening, Undergrounding	Incremental OM Costs	8/2/2028	2028	0.001687792	0.001766633	0.001805889	0.001845064	0.001884239
Prj00006-3UG-PAS		Prj00006	Overhead Hardening, Undergrounding	Incremental OM Savings	8/2/2028	2028	-0.054112727	-0.055346498	-0.056608398	-0.057890069	-0.059219168
Prj00006-3UG-UGAS	Prj00006-3UG-UGAS	Prj00006	No-Build Baseline	OM Costs NBB	8/2/2028	2028	0.419077623	0.146110385	0.149441702	0.152848973	0.156333929
Prj00006-3UG-UGAS	Prj00006-3UG-UGAS	Prj00006	Undergrounding	CapEx	8/2/2028	2028	1.663220367	0.111579633			
Prj00006-3UG-UGAS	Prj00006-3UG-UGAS	Prj00006	Undergrounding	Incremental OM Costs	8/2/2028	2028	0.00020183	0.000206432	0.000211139	0.000215953	0.000220876
Prj00006-3UG-UGAS	Prj00006-3UG-UGAS	Prj00006	Undergrounding	Incremental OM Savings	8/2/2028	2028	-0.054112727	-0.055346498	-0.056608398	-0.057890069	-0.059219168
Prj00007-3UG-ALT1		Prj00007	Overhead Hardening	CapEx		2028	7.40376	0			
Prj00007-3UG-ALT1		Prj00007	Overhead Hardening	Incremental OM Costs		2028	0.022537137	0.023050984	0.023576546	0.024114091	0.024663893
Prj00007-3UG-ALT1		Prj00007	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00007-3UG-PAS		Prj00007	Overhead Hardening, Undergrounding	CapEx	11/8/2028	2028	9.422472085	0.205777915			
Prj00007-3UG-PAS		Prj00007	Overhead Hardening, Undergrounding	Incremental OM Costs	11/8/2028	2028	0.019717407	0.020166964	0.020626771	0.021097061	0.021578074
Prj00007-3UG-PAS		Prj00007	Overhead Hardening, Undergrounding	Incremental OM Savings	11/8/2028	2028	-0.062669885	-0.064098758	-0.06556021	-0.067054983	-0.068583836
Prj00007-3UG-UGAS	Prj00007-3UG-UGAS	Prj00007	No-Build Baseline	OM Costs NBB	11/8/2028	2028	1.696913708	0.591624801	0.605113846	0.618910442	0.63302016
Prj00007-3UG-UGAS	Prj00007-3UG-UGAS	Prj00007	Undergrounding	CapEx	11/8/2028	2028	3.067352085	0.205777915			
Prj00007-3UG-UGAS	Prj00007-3UG-UGAS	Prj00007	Undergrounding	Incremental OM Costs	11/8/2028	2028	0.000372343	0.000380833	0.000389515	0.000398396	0.00040748
Prj00007-3UG-UGAS	Prj00007-3UG-UGAS	Prj00007	Undergrounding	Incremental OM Savings	11/8/2028	2028	-0.062669885	-0.064098758	-0.06556021	-0.067054983	-0.068583836
Prj00008-3UG-ALT1		Prj00008	Overhead Hardening	CapEx		2028	16.97078065	0			
Prj00008-3UG-ALT1		Prj00008	Overhead Hardening	Incremental OM Costs		2028	0.051375848	0.052547218	0.053745294	0.054970687	0.056224019

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rru_id	oeis_subproject_id	oeis_project_id	mitigation_type_nbb	costs_type	used_and_useful_date	year_1	annual_costs_in_year_1	annual_costs_in_year_2	annual_costs_in_year_3	annual_costs_in_year_4	annual_costs_in_year_5
Prj00008-3UG-ALT1		Prj00008	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00008-3UG-PAS		Prj00008	Overhead Hardening, Undergrounding	CapEx	12/11/2028	2028	51.78877438	2.86724666			
Prj00008-3UG-PAS		Prj00008	Overhead Hardening, Undergrounding	Incremental OM Costs	12/11/2028	2028	0.032457426	0.033197455	0.033954357	0.034728516	0.035520327
Prj00008-3UG-PAS		Prj00008	Overhead Hardening, Undergrounding	Incremental OM Savings	12/11/2028	2028	-0.272593211	-0.278808336	-0.285165166	-0.291666932	-0.298316938
Prj00008-3UG-UGAS	Prj00008-3UG-UGAS	Prj00008	No-Build Baseline	OM Costs NBB	12/11/2028	2028	2.788477698	0.971498613	0.993648781	1.016303973	1.039475704
Prj00008-3UG-UGAS	Prj00008-3UG-UGAS	Prj00008	Undergrounding	CapEx	12/11/2028	2028	42.73954785	2.86724666			
Prj00008-3UG-UGAS	Prj00008-3UG-UGAS	Prj00008	Undergrounding	Incremental OM Costs	12/11/2028	2028	0.005187225	0.005305493	0.005426459	0.005560182	0.005676726
Prj00008-3UG-UGAS	Prj00008-3UG-UGAS	Prj00008	Undergrounding	Incremental OM Savings	12/11/2028	2028	-0.272593211	-0.278808336	-0.285165166	-0.291666932	-0.298316938
Prj00009-3UG-ALT1		Prj00009	Overhead Hardening	CapEx		2028	6.33320925	0			
Prj00009-3UG-PAS		Prj00009	Overhead Hardening, Undergrounding	Incremental OM Costs		2028	0.019234975	0.019673533	0.020122089	0.020580873	0.021050117
Prj00009-3UG-ALT1		Prj00009	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00009-3UG-PAS		Prj00009	Overhead Hardening, Undergrounding	CapEx	11/16/2028	2028	25.27837399	1.671510648			
Prj00009-3UG-PAS		Prj00009	Overhead Hardening, Undergrounding	Incremental OM Costs	11/16/2028	2028	0.004298801	0.004387808	0.004487646	0.004589964	0.004694615
Prj00009-3UG-PAS		Prj00009	Overhead Hardening, Undergrounding	Incremental OM Savings	11/16/2028	2028	-1.060606058	-1.084787876	-1.10952104	-1.13481812	-1.160691973
Prj00009-3UG-UGAS	Prj00009-3UG-UGAS	Prj00009	No-Build Baseline	OM Costs NBB	11/16/2028	2028	3.858315291	1.34519216	1.375862541	1.407232207	1.438317101
Prj00009-3UG-UGAS	Prj00009-3UG-UGAS	Prj00009	Undergrounding	CapEx	11/16/2028	2028	24.91575291	1.671510648			
Prj00009-3UG-UGAS	Prj00009-3UG-UGAS	Prj00009	Undergrounding	Incremental OM Costs	11/16/2028	2028	0.00302398	0.003092927	0.003163445	0.003235572	0.003309343
Prj00009-3UG-UGAS	Prj00009-3UG-UGAS	Prj00009	Undergrounding	Incremental OM Savings	11/16/2028	2028	-1.060606058	-1.084787876	-1.10952104	-1.13481812	-1.160691973
Prj00010-3UG-ALT1		Prj00010	Overhead Hardening	CapEx		2028	7.51100834	0			
Prj00010-3UG-ALT1		Prj00010	Overhead Hardening	Incremental OM Costs		2028	0.021518953	0.022009585	0.022511404	0.023024464	0.023549626
Prj00010-3UG-ALT1		Prj00010	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00010-3UG-PAS		Prj00010	Overhead Hardening, Undergrounding	CapEx	12/22/2028	2028	23.48895512	1.506090722			
Prj00010-3UG-PAS		Prj00010	Overhead Hardening, Undergrounding	Incremental OM Costs	12/22/2028	2028	0.005916783	0.006051686	0.006189664	0.006330789	0.006475131
Prj00010-3UG-PAS		Prj00010	Overhead Hardening, Undergrounding	Incremental OM Savings	12/22/2028	2028	-0.38623114	-0.39503721	-0.404044058	-0.413256262	-0.422678505
Prj00010-3UG-UGAS	Prj00010-3UG-UGAS	Prj00010	No-Build Baseline	OM Costs NBB	12/22/2028	2028	1.770174251	0.617166909	0.631238315	0.645630549	0.660350925
Prj00010-3UG-UGAS	Prj00010-3UG-UGAS	Prj00010	Undergrounding	CapEx	12/22/2028	2028	22.4498922	1.506090722			
Prj00010-3UG-UGAS	Prj00010-3UG-UGAS	Prj00010	Undergrounding	Incremental OM Costs	12/22/2028	2028	0.002724713	0.002786837	0.002850377	0.002915365	0.002981836
Prj00010-3UG-UGAS	Prj00010-3UG-UGAS	Prj00010	Undergrounding	Incremental OM Savings	12/22/2028	2028	-0.38623114	-0.39503721	-0.404044058	-0.413256262	-0.422678505
Prj00011-3UG-ALT1		Prj00011	Overhead Hardening	CapEx		2028	5.04569	0			
Prj00011-3UG-ALT1		Prj00011	Overhead Hardening	Incremental OM Costs		2028	0.013236087	0.01353787	0.013846533	0.014162234	0.014485133
Prj00011-3UG-ALT1		Prj00011	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00011-3UG-PAS		Prj00011	Undergrounding	CapEx	11/22/2028	2028	17.17143831	1.15197169			
Prj00011-3UG-PAS		Prj00011	Undergrounding	Incremental OM Costs	11/22/2028	2028	0.002084424	0.002131949	0.002180557	0.002230274	0.002281124
Prj00011-3UG-PAS		Prj00011	Undergrounding	Incremental OM Savings	11/22/2028	2028	-0.905170076	-0.925807953	-0.946916375	-0.968506068	-0.990588007
Prj00011-3UG-UGAS	Prj00011-3UG-UGAS	Prj00011	No-Build Baseline	OM Costs NBB	11/22/2028	2028	5.45285675	1.901125127	1.94447078	1.988804713	2.034149461
Prj00011-3UG-UGAS	Prj00011-3UG-UGAS	Prj00011	Undergrounding	CapEx	11/22/2028	2028	17.17143831	1.15197169			
Prj00011-3UG-UGAS	Prj00011-3UG-UGAS	Prj00011	Undergrounding	Incremental OM Costs	11/22/2028	2028	0.002084424	0.002131949	0.002180557	0.002230274	0.002281124
Prj00011-3UG-UGAS	Prj00011-3UG-UGAS	Prj00011	Undergrounding	Incremental OM Savings	11/22/2028	2028	-0.905170076	-0.925807953	-0.946916375	-0.968506068	-0.990588007
Prj00012-3UG-ALT1		Prj00012	Overhead Hardening	CapEx		2028	5.08765	0			
Prj00012-3UG-ALT1		Prj00012	Overhead Hardening	Incremental OM Costs		2028	0.013346162	0.013650455	0.013961685	0.014280012	0.014605596
Prj00012-3UG-ALT1		Prj00012	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00012-3UG-PAS		Prj00012	Overhead Hardening, Undergrounding	CapEx	8/7/2028	2028	17.010912	1.046197995			
Prj00012-3UG-PAS		Prj00012	Overhead Hardening, Undergrounding	Incremental OM Costs	8/7/2028	2028	0.005607944	0.005735806	0.005866582	0.00600034	0.006137148
Prj00012-3UG-PAS		Prj00012	Overhead Hardening, Undergrounding	Incremental OM Savings	8/7/2028	2028	-0.464366242	-0.474953792	-0.485782738	-0.496858585	-0.508186966
Prj00012-3UG-UGAS	Prj00012-3UG-UGAS	Prj00012	No-Build Baseline	OM Costs NBB	8/7/2028	2028	2.057167366	0.717226355	0.733579116	0.75030472	0.767411667
Prj00012-3UG-UGAS	Prj00012-3UG-UGAS	Prj00012	Undergrounding	CapEx	8/7/2028	2028	15.594762	1.046197995			
Prj00012-3UG-UGAS	Prj00012-3UG-UGAS	Prj00012	Undergrounding	Incremental OM Costs	8/7/2028	2028	0.001893033	0.001936194	0.00198034	0.002025491	0.002071673
Prj00012-3UG-UGAS	Prj00012-3UG-UGAS	Prj00012	Undergrounding	Incremental OM Savings	8/7/2028	2028	-0.484386242	-0.474953792	-0.485782738	-0.496858585	-0.508186966
Prj00013-3UG-ALT1		Prj00013	Overhead Hardening	CapEx		2028	9.46083684	0			
Prj00013-3UG-ALT1		Prj00013	Overhead Hardening	Incremental OM Costs		2028	0.021243782	0.02172814	0.022223542	0.022730239	0.023248488
Prj00013-3UG-ALT1		Prj00013	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00013-3UG-PAS		Prj00013	Overhead Hardening, Undergrounding	CapEx	8/8/2028	2028	29.31447903	1.965901855			
Prj00013-3UG-PAS		Prj00013	Overhead Hardening, Undergrounding	Incremental OM Costs	8/8/2028	2028	0.003691789	0.003775962	0.003862054	0.003950108	0.004040171
Prj00013-3UG-PAS		Prj00013	Overhead Hardening, Undergrounding	Incremental OM Savings	8/8/2028	2028	-0.796253489	-0.814408068	-0.832976572	-0.851968438	-0.871393318
Prj00013-3UG-UGAS	Prj00013-3UG-UGAS	Prj00013	No-Build Baseline	OM Costs NBB	8/8/2028	2028	2.772344904	0.986571249	0.988609073	1.01114936	1.034203565
Prj00013-3UG-UGAS	Prj00013-3UG-UGAS	Prj00013	Undergrounding	CapEx	8/8/2028	2028	29.30389614	1.965901855			
Prj00013-3UG-UGAS	Prj00013-3UG-UGAS	Prj00013	Undergrounding	Incremental OM Costs	8/8/2028	2028	0.003664271	0.003747816	0.003833267	0.003920665	0.004010056
Prj00013-3UG-UGAS	Prj00013-3UG-UGAS	Prj00013	Undergrounding	Incremental OM Savings	8/8/2028	2028	-0.796253489	-0.814408068	-0.832976572	-0.851968438	-0.871393318
Prj00014-3UG-ALT1		Prj00014	Overhead Hardening	CapEx		2028	1.13940162	0			
Prj00014-3UG-ALT1		Prj00014	Overhead Hardening	Incremental OM Costs		2028	0.003467258	0.003546311	0.003627167	0.003709867	0.003794452
Prj00014-3UG-ALT1		Prj00014	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00014-3UG-PAS		Prj00014	Undergrounding	CapEx	7/10/2028	2028	3.612640813	0.242359427			
Prj00014-3UG-PAS		Prj00014	Undergrounding	Incremental OM Costs	7/10/2028	2028	0.000438461	0.000448458	0.000458683	0.000469141	0.000479837
Prj00014-3UG-PAS		Prj00014	Undergrounding	Incremental OM Savings	7/10/2028	2028	-0.19241766	-0.196804783	-0.201291932	-0.205881388	-0.210575484
Prj00014-3UG-UGAS	Prj00014-3UG-UGAS	Prj00014	No-Build Baseline	OM Costs NBB	7/10/2028	2028	0.653971315	0.228005494	0.23320402	0.238521071	0.243659352
Prj00014-3UG-UGAS	Prj00014-3UG-UGAS	Prj00014	Undergrounding	CapEx	7/10/2028	2028	3.612640813	0.242359427			
Prj00014-3UG-UGAS	Prj00014-3UG-UGAS	Prj00014	Undergrounding	Incremental OM Costs	7/10/2028	2028	0.000438461	0.000448458	0.000458683	0.000469141	0.000479837
Prj00014-3UG-UGAS	Prj00014-3UG-UGAS	Prj00014	Undergrounding	Incremental OM Savings	7/10/2028	2028	-0.19241766	-0.196804783	-0.201291932	-0.205881388	-0.210575484
Prj00015-3UG-ALT1		Prj00015	Overhead Hardening	CapEx		2028	24.04067942	0			
Prj00015-3UG-ALT1		Prj00015	Overhead Hardening	Incremental OM Costs		2028	0.062795753	0.064227496	0.065691883	0.067189658	0.068721583
Prj00015-3UG-ALT1		Prj00015	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00015-3UG-PAS		Prj00015	Overhead Hardening, Undergrounding	CapEx	12/27/2028	2028	72.04108057	4.561050529			
Prj00015-3UG-PAS		Prj00015	Overhead Hardening, Undergrounding	Incremental OM Costs	12/27/2028	2028	0.018598251	0.019022292	0.019456	0.019899597	0.020353307
Prj00015-3UG-PAS		Prj00015	Overhead Hardening, Undergrounding	Incremental OM Savings	12/27/2028	2028	-1.040398518	-1.064119604	-1.088381531	-1.11319663	-1.138577513
Prj00015-3UG-UGAS	Prj00015-3UG-UGAS	Prj00015	No-Build Baseline	OM Costs NBB	12/27/2028	2028	4.632013697	1.61494021	1.651760847	1.689420994	1.727397993
Prj00015-3UG-UGAS	Prj00015-3UG-UGAS	Prj00015	Undergrounding	CapEx	12/27/2028	2028	67.98760637	4.561050529			
Prj00015-3UG-UGAS	Prj00015-3UG-UGAS	Prj00015	Undergrounding	Incremental OM Costs	12/27/2028	2028	0.008251537	0.008439672	0.008632096	0.008828908	0.009030207
Prj00015-3UG-UGAS	Prj00015-3UG-UGAS	Prj00015	Undergrounding	Incremental OM Savings	12/27/2028	2028	-1.040398518	-1.064119604	-1.088381531	-1.11319663	-1.138577513
Prj00016-3UG-ALT1		Prj00016	Overhead Hardening	CapEx		2028	23.2401759	0			
Prj00016-3UG-ALT1		Prj00016	Overhead Hardening	Incremental OM Costs		2028	0.070720867	0.072333324	0.073982523	0.075669325	0.077394585
Prj00016-3UG-ALT1		Prj00016	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00016-3UG-PAS		Prj00016	Overhead Hardening, Undergrounding	CapEx	12/28/2028	2028	27.30712006	0.357768677			
Prj00016-3UG-PAS		Prj00016	Overhead Hardening, Undergrounding	Incremental OM Costs	12/28/2028	2028	0.067605659	0.069147068	0.070723621	0.07233612	0.073985383
Prj00016-3UG-PAS		Prj00016	Overhead Hardening, Undergrounding	Incremental OM Savings	12/28/2028	2028	-0.071431353	-0.073059987	-0.074725755	-0.076429502	

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rru_id	oeis_subproject_id	oeis_project_id	mitigation_type_nbb	costs_type	used_and_useful_date	year_1	annual_costs_in_year_1	annual_costs_in_year_2	annual_costs_in_year_3	annual_costs_in_year_4	annual_costs_in_year_5
Prj00016-3UG-UGAS	Prj00016-3UG-UGAS	Prj00016	No-Build Baseline	OM Costs NBB	12/26/2028	2028	4.84897092	1.690581814	1.729127079	1.768551177	1.808874143
Prj00016-3UG-UGAS	Prj00016-3UG-UGAS	Prj00016	Undergrounding	CapEx	12/26/2028	2028	5.332945963	0.357768677			
Prj00016-3UG-UGAS	Prj00016-3UG-UGAS	Prj00016	Undergrounding	Incremental OM Costs	12/26/2028	2028	0.000737271	0.000754081	0.000771274	0.000788859	0.000806845
Prj00016-3UG-UGAS	Prj00016-3UG-UGAS	Prj00016	Undergrounding	Incremental OM Savings	12/26/2028	2028	-0.071431353	-0.073059987	-0.074725755	-0.076429502	-0.078172095
Prj00017-3UG-ALT1		Prj00017	Overhead Hardening	CapEx		2028	7.63135	0			
Prj00017-3UG-ALT1		Prj00017	Overhead Hardening	Incremental OM Costs		2028	0.019950438	0.020405308	0.020870549	0.021346397	0.021833095
Prj00017-3UG-ALT1		Prj00017	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00017-3UG-PAS		Prj00017	Overhead Hardening, Undergrounding	CapEx	11/2/2028	2028	15.25307888	0.719261122			
Prj00017-3UG-PAS		Prj00017	Overhead Hardening, Undergrounding	Incremental OM Costs	11/2/2028	2028	0.013189169	0.013489882	0.013797451	0.014112033	0.014433787
Prj00017-3UG-PAS		Prj00017	Overhead Hardening, Undergrounding	Incremental OM Savings	11/2/2028	2028	-0.337362116	-0.345053972	-0.352921203	-0.360967806	-0.369197872
Prj00017-3UG-UGAS	Prj00017-3UG-UGAS	Prj00017	No-Build Baseline	OM Costs NBB	11/2/2028	2028	2.962271077	1.032788543	1.056336122	1.080420585	1.105054175
Prj00017-3UG-UGAS	Prj00017-3UG-UGAS	Prj00017	Undergrounding	CapEx	11/2/2028	2028	10.72139888	0.719261122			
Prj00017-3UG-UGAS	Prj00017-3UG-UGAS	Prj00017	Undergrounding	Incremental OM Costs	11/2/2028	2028	0.001301448	0.001361483	0.001392525	0.001424274	
Prj00017-3UG-UGAS	Prj00017-3UG-UGAS	Prj00017	Undergrounding	Incremental OM Savings	11/2/2028	2028	-0.337362116	-0.345053972	-0.352921203	-0.360967806	-0.369197872
Prj00018-3UG-ALT1		Prj00018	Overhead Hardening	CapEx		2028	2.128951438	0			
Prj00018-3UG-ALT1		Prj00018	Overhead Hardening	Incremental OM Costs		2028	0.006466692	0.006614132	0.006764935	0.006919175	0.007076932
Prj00018-3UG-ALT1		Prj00018	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00018-3UG-PAS		Prj00018	Undergrounding	CapEx	12/13/2028	2028	7.078964767	0.473177928			
Prj00018-3UG-PAS		Prj00018	Undergrounding	Incremental OM Costs	12/13/2028	2028	0.00085604	0.000875558	0.00089552	0.000915938	0.000936822
Prj00018-3UG-PAS		Prj00018	Undergrounding	Incremental OM Savings	12/13/2028	2028	-0.270875045	-0.277050996	-0.283367759	-0.289628543	-0.296436634
Prj00018-3UG-UGAS	Prj00018-3UG-UGAS	Prj00018	No-Build Baseline	OM Costs NBB	12/13/2028	2028	1.103493369	0.384730256	0.393502105	0.402473953	0.41165036
Prj00018-3UG-UGAS	Prj00018-3UG-UGAS	Prj00018	Undergrounding	CapEx	12/13/2028	2028	7.078964767	0.473177928			
Prj00018-3UG-UGAS	Prj00018-3UG-UGAS	Prj00018	Undergrounding	Incremental OM Costs	12/13/2028	2028	0.00085604	0.000875558	0.00089552	0.000915938	0.000936822
Prj00018-3UG-UGAS	Prj00018-3UG-UGAS	Prj00018	Undergrounding	Incremental OM Savings	12/13/2028	2028	-0.270875045	-0.277050996	-0.283367759	-0.289628543	-0.296436634
Prj00019-3UG-ALT1		Prj00019	Overhead Hardening	CapEx		2028	9.09104369	0			
Prj00019-3UG-ALT1		Prj00019	Overhead Hardening	Incremental OM Costs		2028	0.023472734	0.024007912	0.024555292	0.025115153	0.025687779
Prj00019-3UG-ALT1		Prj00019	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00019-3UG-PAS		Prj00019	Undergrounding	CapEx	11/27/2028	2028	39.32464708	2.638152921			
Prj00019-3UG-PAS		Prj00019	Undergrounding	Incremental OM Costs	11/27/2028	2028	0.003904381	0.003993401	0.00408445	0.004177576	0.004272825
Prj00019-3UG-PAS		Prj00019	Undergrounding	Incremental OM Savings	11/27/2028	2028	-1.094884654	-1.119848024	-1.145380559	-1.171495236	-1.198205327
Prj00019-3UG-UGAS	Prj00019-3UG-UGAS	Prj00019	No-Build Baseline	OM Costs NBB	11/27/2028	2028	3.816741287	1.330697485	1.361037387	1.39206904	1.423808214
Prj00019-3UG-UGAS	Prj00019-3UG-UGAS	Prj00019	Undergrounding	CapEx	11/27/2028	2028	39.32464708	2.638152921			
Prj00019-3UG-UGAS	Prj00019-3UG-UGAS	Prj00019	Undergrounding	Incremental OM Costs	11/27/2028	2028	0.003904381	0.003993401	0.00408445	0.004177576	0.004272825
Prj00019-3UG-UGAS	Prj00019-3UG-UGAS	Prj00019	Undergrounding	Incremental OM Savings	11/27/2028	2028	-1.094884654	-1.119848024	-1.145380559	-1.171495236	-1.198205327
Prj00020-3UG-ALT1		Prj00020	Overhead Hardening	CapEx		2028	5.096	0			
Prj00020-3UG-ALT1		Prj00020	Overhead Hardening	Incremental OM Costs		2028	0.01348376	0.01379119	0.014105629	0.014427237	0.014756178
Prj00020-3UG-ALT1		Prj00020	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00020-3UG-PAS		Prj00020	Undergrounding	CapEx	7/3/2028	2028	15.73809621	1.055813786			
Prj00020-3UG-PAS		Prj00020	Undergrounding	Incremental OM Costs	7/3/2028	2028	0.001910434	0.001953992	0.001998543	0.002044109	0.002090715
Prj00020-3UG-PAS		Prj00020	Undergrounding	Incremental OM Savings	7/3/2028	2028	-0.945377913	-0.96893253	-0.988978591	-1.011527303	-1.034590126
Prj00020-3UG-UGAS	Prj00020-3UG-UGAS	Prj00020	No-Build Baseline	OM Costs NBB	7/3/2028	2028	3.049242916	1.063111061	1.087349993	1.112141573	1.137498401
Prj00020-3UG-UGAS	Prj00020-3UG-UGAS	Prj00020	Undergrounding	CapEx	7/3/2028	2028	15.73809621	1.055813786			
Prj00020-3UG-UGAS	Prj00020-3UG-UGAS	Prj00020	Undergrounding	Incremental OM Costs	7/3/2028	2028	0.001910434	0.001953992	0.001998543	0.002044109	0.002090715
Prj00020-3UG-UGAS	Prj00020-3UG-UGAS	Prj00020	Undergrounding	Incremental OM Savings	7/3/2028	2028	-0.945377913	-0.96893253	-0.988978591	-1.011527303	-1.034590126
Prj00021-3UG-ALT1		Prj00021	Overhead Hardening	CapEx		2028	18.34810487	0			
Prj00021-3UG-ALT1		Prj00021	Overhead Hardening	Incremental OM Costs		2028	0.05008194	0.05626238	0.057545163	0.058857192	0.060199136
Prj00021-3UG-ALT1		Prj00021	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00021-3UG-PAS		Prj00021	Undergrounding	CapEx	3/13/2029	2029	14.10054728	40.06017631	3.62968341		
Prj00021-3UG-PAS		Prj00021	Undergrounding	Incremental OM Costs	3/13/2029	2029	0	0.008328482	0.008518371	0.00871259	0.008911237
Prj00021-3UG-PAS		Prj00021	Undergrounding	Incremental OM Savings	3/13/2029	2029	0	-1.408920639	-1.44104403	-1.473899634	-1.50750475
Prj00021-3UG-UGAS	Prj00021-3UG-UGAS	Prj00021	No-Build Baseline	OM Costs NBB	3/13/2029	2029	3.213565832	1.661941355	1.699633618	1.738589825	1.778229673
Prj00021-3UG-UGAS	Prj00021-3UG-UGAS	Prj00021	Undergrounding	CapEx	3/13/2029	2029	14.10054728	40.06017631	3.62968341		
Prj00021-3UG-UGAS	Prj00021-3UG-UGAS	Prj00021	Undergrounding	Incremental OM Costs	3/13/2029	2029	0	0.008328482	0.008518371	0.00871259	0.008911237
Prj00021-3UG-UGAS	Prj00021-3UG-UGAS	Prj00021	Undergrounding	Incremental OM Savings	3/13/2029	2029	0	-1.408920639	-1.44104403	-1.473899634	-1.50750475
Prj00022-3UG-ALT1		Prj00022	Overhead Hardening	CapEx		2028	1.88901102	0			
Prj00022-3UG-ALT1		Prj00022	Overhead Hardening	Incremental OM Costs		2028	0.006631803	0.006783099	0.006933761	0.00709584	0.007257625
Prj00022-3UG-ALT1		Prj00022	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00022-3UG-PAS		Prj00022	Overhead Hardening, Undergrounding	CapEx	6/1/2028	2028	2.335749607	0.044693613			
Prj00022-3UG-PAS		Prj00022	Overhead Hardening, Undergrounding	Incremental OM Costs	6/1/2028	2028	0.005958739	0.006094598	0.006233555	0.00637568	0.006521046
Prj00022-3UG-PAS		Prj00022	Overhead Hardening, Undergrounding	Incremental OM Savings	6/1/2028	2028	-0.014498027	-0.014748226	-0.015084485	-0.015428412	-0.015782555
Prj00022-3UG-UGAS	Prj00022-3UG-UGAS	Prj00022	No-Build Baseline	OM Costs NBB	6/1/2028	2028	0.451452154	0.157397686	0.160986353	0.164656842	0.168411018
Prj00022-3UG-UGAS	Prj00022-3UG-UGAS	Prj00022	Undergrounding	CapEx	6/1/2028	2028	0.666208747	0.044693613			
Prj00022-3UG-UGAS	Prj00022-3UG-UGAS	Prj00022	Undergrounding	Incremental OM Costs	6/1/2028	2028	0.001910434	0.001953992	0.001998543	0.002044109	0.002090715
Prj00022-3UG-UGAS	Prj00022-3UG-UGAS	Prj00022	Undergrounding	Incremental OM Savings	6/1/2028	2028	-0.945377913	-0.96893253	-0.988978591	-1.011527303	-1.034590126
Prj00023-3UG-ALT1		Prj00023	Overhead Hardening	CapEx		2028	25.92079	0			
Prj00023-3UG-ALT1		Prj00023	Overhead Hardening	Incremental OM Costs		2028	0.067996629	0.069546952	0.071132623	0.072754447	0.074413248
Prj00023-3UG-ALT1		Prj00023	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00023-3UG-PAS		Prj00023	Overhead Hardening, Undergrounding	CapEx	12/26/2028	2028	95.89945201	6.423347985			
Prj00023-3UG-PAS		Prj00023	Overhead Hardening, Undergrounding	Incremental OM Costs	12/26/2028	2028	0.012173024	0.012450569	0.012734442	0.013024787	0.013321752
Prj00023-3UG-PAS		Prj00023	Overhead Hardening, Undergrounding	Incremental OM Savings	12/26/2028	2028	-3.060442671	-3.130220764	-3.204589797	-3.274586045	-3.349246606
Prj00023-3UG-UGAS	Prj00023-3UG-UGAS	Prj00023	No-Build Baseline	OM Costs NBB	12/26/2028	2028	9.817150565	3.422725457	3.500763598	3.580581008	3.662218255
Prj00023-3UG-UGAS	Prj00023-3UG-UGAS	Prj00023	Undergrounding	CapEx	12/26/2028	2028	95.74725201	6.423347985			
Prj00023-3UG-UGAS	Prj00023-3UG-UGAS	Prj00023	Undergrounding	Incremental OM Costs	12/26/2028	2028	0.011622667	0.011887664	0.012158702	0.012435921	0.012719446
Prj00023-3UG-UGAS	Prj00023-3UG-UGAS	Prj00023	Undergrounding	Incremental OM Savings	12/26/2028	2028	-3.060442671	-3.130220764	-3.204589797	-3.274586045	-3.349246606
Prj00024-3UG-ALT1		Prj00024	Overhead Hardening	CapEx		2028	1.0399935	0			
Prj00024-3UG-ALT1		Prj00024	Overhead Hardening	Incremental OM Costs		2028	0.003137037	0.003208562	0.003281717	0.00335654	0.003433069
Prj00024-3UG-ALT1		Prj00024	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Prj00024-3UG-PAS		Prj00024	Undergrounding	CapEx	12/11/2028	2028	2.938979887	0.197165873			
Prj00024-3UG-PAS		Prj00024	Undergrounding	Incremental OM Costs	12/11/2028	2028	0.000428021	0.000437779	0.000447761	0.00045797	0.000468411
Prj00024-3UG-PAS		Prj00024	Undergrounding	Incremental OM Savings	12/11/2028	2028	-0.218223379	-0.223198872	-0.228267806	-0.233492768	-0.238816403
Prj00024-3UG-UGAS	Prj00024-3UG-UGAS	Prj00024	No-Build Baseline	OM Costs NBB	12/11/2028	2028	0.717857926	0.250279405	0.255985776	0.261822251	0.267791798
Prj00024-3UG-UGAS	Prj00024-3UG-UGAS	Prj00024	Undergrounding	CapEx	12/11/2028	2028	2.938979887	0.197165873			
Prj00024-3UG-UGAS	Prj00024-3UG-UGAS	Prj00024	Undergrounding	Incremental OM Costs	12/11/2028	2028	0.000428021	0.000437779	0.000447761	0.00045797	0.000468411
Prj00024-3UG-UGAS	Prj00024-3UG-UGAS	Prj00024	Undergrounding	Incremental OM Savings	12/11/2028	2028	-0.218223379	-0.22			

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rru_id	oeis_subproject_id	oeis_project_id	mitigation_type_nbb	costs_type	used_and_useful_date	year_1	annual_costs_in_year_1	annual_costs_in_year_2	annual_costs_in_year_3	annual_costs_in_year_4	annual_costs_in_year_5
Proj00025-3UG-ALT1		Proj00025	Overhead Hardening	CapEx		2028	4.22463064	0			
Proj00025-3UG-ALT1		Proj00025	Overhead Hardening	Incremental OM Costs		2028	0.007815079	0.007993263		0.008175509	0.008562563
Proj00025-3UG-ALT1		Proj00025	Overhead Hardening	Incremental OM Savings		2028	0	0	0.008175509	0.008361911	0.008552563
Proj00025-3UG-PAS		Proj00025	Undergrounding	CapEx	8/24/2028	2028	12.54813424	0.841810403			
Proj00025-3UG-PAS		Proj00025	Undergrounding	Incremental OM Costs	8/24/2028	2028	0.001245784	0.001274188	0.001303239	0.001332953	0.001363345
Proj00025-3UG-PAS		Proj00025	Undergrounding	Incremental OM Savings	8/24/2028	2028	-0.465820254	-0.476440956	-0.487303809	-0.498414336	-0.509778183
Proj00025-3UG-UGAS	Proj00025-3UG-UGAS	Proj00025	No-Build Baseline	OM Costs NBB	8/24/2028	2028	1.56805223	0.546697563	0.559162267	0.571911167	0.584950741
Proj00025-3UG-UGAS	Proj00025-3UG-UGAS	Proj00025	Undergrounding	CapEx	8/24/2028	2028	12.54813424	0.841810403			
Proj00025-3UG-UGAS	Proj00025-3UG-UGAS	Proj00025	Undergrounding	Incremental OM Costs	8/24/2028	2028	0.001245784	0.001274188	0.001303239	0.001332953	0.001363345
Proj00025-3UG-UGAS	Proj00025-3UG-UGAS	Proj00025	Undergrounding	Incremental OM Savings	8/24/2028	2028	-0.465820254	-0.476440956	-0.487303809	-0.498414336	-0.509778183
Proj00026-3UG-ALT1		Proj00026	Overhead Hardening	CapEx		2028	3.55611	0			
Proj00026-3UG-ALT1		Proj00026	Overhead Hardening	Incremental OM Costs		2028	0.009328548	0.009541239	0.009758779	0.009981279	0.010208853
Proj00026-3UG-ALT1		Proj00026	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Proj00026-3UG-PAS		Proj00026	Undergrounding	CapEx	7/3/2028	2028	9.468790992	0.632719008			
Proj00026-3UG-PAS		Proj00026	Undergrounding	Incremental OM Costs	7/3/2028	2028	0.001144867	0.00117097	0.001197668	0.001224975	0.001252904
Proj00026-3UG-PAS		Proj00026	Undergrounding	Incremental OM Savings	7/3/2028	2028	-0.631718824	-0.646122013	-0.660853595	-0.675921057	-0.691332057
Proj00026-3UG-UGAS	Proj00026-3UG-UGAS	Proj00026	No-Build Baseline	OM Costs NBB	7/3/2028	2028	2.101807223	0.732789931	0.749497542	0.766586086	0.784064248
Proj00026-3UG-UGAS	Proj00026-3UG-UGAS	Proj00026	Undergrounding	CapEx	7/3/2028	2028	9.468790992	0.632719008			
Proj00026-3UG-UGAS	Proj00026-3UG-UGAS	Proj00026	Undergrounding	Incremental OM Costs	7/3/2028	2028	0.001144867	0.00117097	0.001197668	0.001224975	0.001252904
Proj00026-3UG-UGAS	Proj00026-3UG-UGAS	Proj00026	Undergrounding	Incremental OM Savings	7/3/2028	2028	-0.631718824	-0.646122013	-0.660853595	-0.675921057	-0.691332057
Proj00027-3UG-ALT1		Proj00027	Overhead Hardening	CapEx		2028	0.75920988	0			
Proj00027-3UG-ALT1		Proj00027	Overhead Hardening	Incremental OM Costs		2028	0.003632351	0.003715168	0.003799874	0.003886511	0.003975124
Proj00027-3UG-ALT1		Proj00027	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Proj00027-3UG-PAS		Proj00027	Undergrounding	CapEx	9/1/2028	2028	3.028928715	0.203200225			
Proj00027-3UG-PAS		Proj00027	Undergrounding	Incremental OM Costs	9/1/2028	2028	0.000455858	0.000466252	0.000476882	0.000487755	0.000498876
Proj00027-3UG-PAS		Proj00027	Undergrounding	Incremental OM Savings	9/1/2028	2028	-0.213161893	-0.218021984	-0.222992885	-0.228077123	-0.233277281
Proj00027-3UG-UGAS	Proj00027-3UG-UGAS	Proj00027	No-Build Baseline	OM Costs NBB	9/1/2028	2028	0.68193153	0.237753755	0.24317454	0.24871892	0.254389711
Proj00027-3UG-UGAS	Proj00027-3UG-UGAS	Proj00027	Undergrounding	CapEx	9/1/2028	2028	3.028928715	0.203200225			
Proj00027-3UG-UGAS	Proj00027-3UG-UGAS	Proj00027	Undergrounding	Incremental OM Costs	9/1/2028	2028	0.000455858	0.000466252	0.000476882	0.000487755	0.000498876
Proj00027-3UG-UGAS	Proj00027-3UG-UGAS	Proj00027	Undergrounding	Incremental OM Savings	9/1/2028	2028	-0.213161893	-0.218021984	-0.222992885	-0.228077123	-0.233277281
Proj00028-3UG-ALT1		Proj00028	Overhead Hardening	CapEx		2028	3.3568	0			
Proj00028-3UG-ALT1		Proj00028	Overhead Hardening	Incremental OM Costs		2028	0.008805717	0.009006487	0.009211835	0.009421865	0.009636683
Proj00028-3UG-ALT1		Proj00028	Overhead Hardening	Incremental OM Savings		2028	0	0	0	0	0
Proj00028-3UG-PAS		Proj00028	Overhead Hardening, Undergrounding	CapEx	11/3/2028	2028	8.833000473	0.553869527			
Proj00028-3UG-PAS		Proj00028	Overhead Hardening, Undergrounding	Incremental OM Costs	11/3/2028	2028	0.002515677	0.002573034	0.002631699	0.002691702	0.002753073
Proj00028-3UG-PAS		Proj00028	Overhead Hardening, Undergrounding	Incremental OM Savings	11/3/2028	2028	-0.565926343	-0.578829463	-0.592026775	-0.605524985	-0.619330955
Proj00028-3UG-UGAS	Proj00028-3UG-UGAS	Proj00028	No-Build Baseline	OM Costs NBB	11/3/2028	2028	2.20597324	0.769107158	0.786642801	0.804578257	0.822922641
Proj00028-3UG-UGAS	Proj00028-3UG-UGAS	Proj00028	Undergrounding	CapEx	11/3/2028	2028	8.258050473	0.553869527			
Proj00028-3UG-UGAS	Proj00028-3UG-UGAS	Proj00028	Undergrounding	Incremental OM Costs	11/3/2028	2028	0.001002194	0.001025044	0.001048415	0.001072319	0.001096768
Proj00028-3UG-UGAS	Proj00028-3UG-UGAS	Proj00028	Undergrounding	Incremental OM Savings	11/3/2028	2028	-0.565926343	-0.578829463	-0.592026775	-0.605524985	-0.619330955

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rru_id	annual_costs_in_year_6	annual_costs_in_year_7	annual_costs_in_year_8	annual_costs_in_year_9	annual_costs_in_year_10	annual_costs_in_year_11	annual_costs_in_year_12	annual_costs_in_year_13	annual_costs_in_year_14	annual_costs_in_year_15	annual_costs_in_year_16
Prq00001-3UG-ALT1											
Prq00001-3UG-ALT1	0.009394369	0.00960856	0.00982736	0.010051706	0.010280885	0.010515289	0.010755037	0.011000252	0.011251058	0.011507582	0.011769955
Prq00001-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prq00001-3UG-PAS											
Prq00001-3UG-PAS	0.001413901	0.001446138	0.00147911	0.001512834	0.001547326	0.001582606	0.001618689	0.001655595	0.001693343	0.001731951	0.001771439
Prq00001-3UG-PAS	-1.212539256	-1.240185151	-1.268461373	-1.297382292	-1.326962608	-1.357217356	-1.388161911	-1.419812003	-1.452183716	-1.485293505	-1.519158197
Prq00001-3UG-UGAS	1.331295134	1.361648663	1.392694252	1.424447681	1.456925089	1.490142981	1.524118241	1.558686136	1.59441033	1.630762885	1.667944279
Prq00001-3UG-UGAS											
Prq00001-3UG-UGAS	0.001413901	0.001446138	0.00147911	0.001512834	0.001547326	0.001582606	0.001618689	0.001655595	0.001693343	0.001731951	0.001771439
Prq00001-3UG-UGAS	-1.212539256	-1.240185151	-1.268461373	-1.297382292	-1.326962608	-1.357217356	-1.388161911	-1.419812003	-1.452183716	-1.485293505	-1.519158197
Prq00002-3UG-ALT1											
Prq00002-3UG-ALT1	0.007915912	0.008096395	0.008280992	0.008469799	0.00866291	0.008860425	0.009062442	0.009269066	0.009480401	0.009696554	0.009917635
Prq00002-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prq00002-3UG-PAS											
Prq00002-3UG-PAS	0.001135815	0.001161712	0.001188199	0.001215289	0.001242998	0.001271338	0.001300325	0.001329972	0.001360296	0.00139131	0.001423032
Prq00002-3UG-PAS	-0.301570726	-0.308446539	-0.31547912	-0.322672044	-0.330028966	-0.337553627	-0.345249849	-0.353121546	-0.361172717	-0.369407455	-0.377829945
Prq00002-3UG-UGAS	0.603151299	0.616903149	0.63096854	0.645354623	0.660068709	0.675118275	0.690510972	0.706254622	0.722357227	0.738826972	0.755672227
Prq00002-3UG-UGAS											
Prq00002-3UG-UGAS	0.001135815	0.001161712	0.001188199	0.001215289	0.001242998	0.001271338	0.001300325	0.001329972	0.001360296	0.00139131	0.001423032
Prq00002-3UG-UGAS	-0.301570726	-0.308446539	-0.31547912	-0.322672044	-0.330028966	-0.337553627	-0.345249849	-0.353121546	-0.361172717	-0.369407455	-0.377829945
Prq00003-3UG-ALT1											
Prq00003-3UG-ALT1	0.025719039	0.026305433	0.026905196	0.027518635	0.02814606	0.02878779	0.029444152	0.030115478	0.030802111	0.031504399	0.03222227
Prq00003-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prq00003-3UG-PAS											
Prq00003-3UG-PAS	0.004487097	0.004589402	0.004694041	0.004801065	0.004910529	0.005022489	0.005137002	0.005254126	0.00537392	0.005496445	0.005621764
Prq00003-3UG-PAS	-1.499867813	-1.534064799	-1.569041477	-1.604815622	-1.641405419	-1.678829462	-1.717106774	-1.756256808	-1.796299464	-1.837255091	-1.879144507
Prq00003-3UG-UGAS	1.722701871	1.761979474	1.802152606	1.843241685	1.885267596	1.928251697	1.972215835	2.017182357	2.063174114	2.110214484	2.158327374
Prq00003-3UG-UGAS											
Prq00003-3UG-UGAS	0.004487097	0.004589402	0.004694041	0.004801065	0.004910529	0.005022489	0.005137002	0.005254126	0.00537392	0.005496445	0.005621764
Prq00003-3UG-UGAS	-1.499867813	-1.534064799	-1.569041477	-1.604815622	-1.641405419	-1.678829462	-1.717106774	-1.756256808	-1.796299464	-1.837255091	-1.879144507
Prq00004-3UG-ALT1											
Prq00004-3UG-ALT1	0.001324447	0.001354644	0.00138553	0.00141712	0.001449431	0.001482478	0.001516278	0.001550849	0.001586209	0.001622374	0.001659364
Prq00004-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prq00004-3UG-PAS											
Prq00004-3UG-PAS	0.000186961	0.000191224	0.000195584	0.000200043	0.000204604	0.000209269	0.000214041	0.000218921	0.000223912	0.000229017	0.000234239
Prq00004-3UG-PAS	-0.053771441	-0.054997429	-0.056251371	-0.057533902	-0.058845675	-0.060187356	-0.061559628	-0.062963188	-0.064398748	-0.06586704	-0.067368808
Prq00004-3UG-UGAS	0.060782196	0.06216803	0.063658461	0.06503521	0.066518013	0.068034623	0.069585813	0.071172369	0.072795099	0.074454827	0.076152398
Prq00004-3UG-UGAS											
Prq00004-3UG-UGAS	0.000186961	0.000191224	0.000195584	0.000200043	0.000204604	0.000209269	0.000214041	0.000218921	0.000223912	0.000229017	0.000234239
Prq00004-3UG-UGAS	-0.053771441	-0.054997429	-0.056251371	-0.057533902	-0.058845675	-0.060187356	-0.061559628	-0.062963188	-0.064398748	-0.06586704	-0.067368808
Prq00005-3UG-ALT1											
Prq00005-3UG-ALT1	0.017464295	0.017862481	0.018269746	0.018686296	0.019112344	0.019548105	0.019993802	0.020449661	0.020915913	0.021392796	0.021880551
Prq00005-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prq00005-3UG-PAS											
Prq00005-3UG-PAS	0.002566836	0.00262536	0.002685218	0.002746441	0.00280906	0.002873106	0.002938613	0.003005614	0.003074142	0.003144232	0.00321592
Prq00005-3UG-PAS	-1.37383515	-1.405158591	-1.437196207	-1.46996428	-1.503479466	-1.537758798	-1.572819698	-1.608679987	-1.645357891	-1.682872051	-1.721241534
Prq00005-3UG-UGAS	1.441221381	1.474081229	1.507690281	1.542065619	1.577224716	1.613185439	1.649960607	1.687585293	1.726062238	1.765416457	1.805667952
Prq00005-3UG-UGAS											
Prq00005-3UG-UGAS	0.002566836	0.00262536	0.002685218	0.002746441	0.00280906	0.002873106	0.002938613	0.003005614	0.003074142	0.003144232	0.00321592
Prq00005-3UG-UGAS	-1.37383515	-1.405158591	-1.437196207	-1.46996428	-1.503479466	-1.537758798	-1.572819698	-1.608679987	-1.645357891	-1.682872051	-1.721241534
Prq00006-3UG-ALT1											
Prq00006-3UG-ALT1	0.003788547	0.003874925	0.003963274	0.004053636	0.004146059	0.004240589	0.004337275	0.004436165	0.004537309	0.00464076	0.004746569
Prq00006-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prq00006-3UG-PAS											
Prq00006-3UG-PAS	0.001889177	0.00193225	0.001976305	0.002021385	0.002067452	0.00211459	0.002162803	0.002212115	0.002262551	0.002314137	0.002366899
Prq00006-3UG-PAS	-0.060569365	-0.061950347	-0.063362814	-0.064807487	-0.066285097	-0.067796398	-0.069342155	-0.070923157	-0.072540204	-0.074194121	-0.075885747
Prq00006-3UG-UGAS	0.159898343	0.163544025	0.167272829	0.171086649	0.174987425	0.178977138	0.183057817	0.187231535	0.191500414	0.195866624	0.200332383
Prq00006-3UG-UGAS											
Prq00006-3UG-UGAS	0.000225912	0.000231063	0.000236332	0.00024172	0.000247231	0.000252868	0.000258633	0.000264563	0.000270561	0.00027673	0.000283004
Prq00006-3UG-UGAS	-0.060569365	-0.061950347	-0.063362814	-0.064807487	-0.066285097	-0.067796398	-0.069342155	-0.070923157	-0.072540204	-0.074194121	-0.075885747
Prq00007-3UG-ALT1											
Prq00007-3UG-ALT1	0.02522623	0.025801388	0.026389659	0.026991343	0.027606746	0.02823618	0.028879965	0.029538428	0.030211904	0.030900736	0.031605272
Prq00007-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prq00007-3UG-PAS											
Prq00007-3UG-PAS	0.022070054	0.022573251	0.023087922	0.023614326	0.024152733	0.024703415	0.025266653	0.025842733	0.026431947	0.027034595	0.027650984
Prq00007-3UG-PAS	-0.070147548	-0.071746912	-0.073382741	-0.075055868	-0.076767142	-0.078517433	-0.08030763	-0.082138644	-0.084011405	-0.085926865	-0.087885998
Prq00007-3UG-UGAS	0.647454492	0.662216455	0.67731499	0.692757772	0.708552649	0.724707649	0.741230984	0.75813105	0.775416438	0.793095933	0.81117852
Prq00007-3UG-UGAS											
Prq00007-3UG-UGAS	0.00041677	0.000426273	0.000435992	0.000445932	0.0004561	0.000466499	0.000477135	0.000488014	0.00049914	0.000510521	0.000522161
Prq00007-3UG-UGAS	-0.070147548	-0.071746912	-0.073382741	-0.075055868	-0.076767142	-0.078517433	-0.08030763	-0.082138644	-0.084011405	-0.085926865	-0.087885998
Prq00008-3UG-ALT1											
Prq00008-3UG-ALT1	0.057505926	0.058817061	0.06015809	0.061529695	0.062932572	0.064367435	0.065835012	0.06733605	0.068871312	0.070441578	0.072047646

SPD-37
Pacific Gas and Electric Company
Electrical Undergrounding Program
SPD-37 Table 7: Annual Costs (Capital and O&M) and O&M Savings

rru_id	annual_costs_in_year_6	annual_costs_in_year_7	annual_costs_in_year_8	annual_costs_in_year_9	annual_costs_in_year_10	annual_costs_in_year_11	annual_costs_in_year_12	annual_costs_in_year_13	annual_costs_in_year_14	annual_costs_in_year_15	annual_costs_in_year_16
Pr000008-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Pr000008-3UG-PAS											
Pr000008-3UG-PAS	0.03633019	0.037158518	0.038005733	0.038872263	0.039758551	0.040665046	0.041592209	0.042540511	0.043510435	0.0445002473	0.045517129
Pr000008-3UG-PAS	-0.305118564	-0.312075267	-0.319190583	-0.326468129	-0.333911602	-0.341524786	-0.349311552	-0.357275855	-0.365421744	-0.37375336	-0.382274937
Pr000008-3UG-UGAS	1.06317575	1.087416157	1.112209245	1.137667616	1.163504158	1.190032053	1.217164783	1.24491614	1.273300228	1.302331474	1.332024631
Pr000008-3UG-UGAS											
Pr000008-3UG-UGAS	0.005806155	0.005938536	0.006073934	0.00621242	0.006354063	0.006498936	0.006647112	0.006798666	0.006953675	0.007112219	0.007274378
Pr000008-3UG-UGAS	-0.305118564	-0.312075267	-0.319190583	-0.326468129	-0.333911602	-0.341524786	-0.349311552	-0.357275855	-0.365421744	-0.37375336	-0.382274937
Pr000009-3UG-ALT1											
Pr000009-3UG-ALT1	0.021530059	0.022020945	0.022523022	0.023036547	0.023561781	0.024098989	0.024648446	0.025210431	0.025785228	0.026373132	0.026974439
Pr000009-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Pr000009-3UG-PAS											
Pr000009-3UG-PAS	0.004801653	0.004911113	0.005023104	0.005137631	0.005254769	0.005374578	0.005497118	0.005622452	0.005750644	0.005881759	0.006015863
Pr000009-3UG-PAS	-1.18715575	-1.214222901	-1.241907183	-1.270222667	-1.299183744	-1.328805133	-1.35910189	-1.390089413	-1.421783452	-1.454200114	-1.487355877
Pr000009-3UG-UGAS	1.472133531	1.505698175	1.540028094	1.575140734	1.611053943	1.647785973	1.685355493	1.723781598	1.763038319	1.80328213	1.844396963
Pr000009-3UG-UGAS											
Pr000009-3UG-UGAS	0.003384796	0.003461969	0.003540902	0.003621635	0.003704208	0.003788664	0.003875046	0.003963397	0.004053762	0.004146188	0.004240721
Pr000009-3UG-UGAS	-1.18715575	-1.214222901	-1.241907183	-1.270222667	-1.299183744	-1.328805133	-1.35910189	-1.390089413	-1.421783452	-1.454200114	-1.487355877
Pr000010-3UG-ALT1											
Pr000010-3UG-ALT1	0.024086558	0.024635731	0.025197426	0.025771927	0.026359527	0.026960524	0.027575224	0.028203939	0.028846989	0.029504701	0.030177408
Pr000010-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Pr000010-3UG-PAS											
Pr000010-3UG-PAS	0.006822764	0.006773763	0.006828204	0.007086167	0.007247732	0.00741298	0.007581996	0.007754866	0.007931677	0.008112519	0.008297484
Pr000010-3UG-PAS	-0.432315575	-0.44217237	-0.4522539	-0.462565289	-0.473111778	-0.483898726	-0.494931617	-0.506216058	-0.517757784	-0.529562662	-0.541638691
Pr000010-3UG-UGAS	0.675406926	0.690806204	0.706556586	0.722666076	0.739142862	0.755995319	0.773232013	0.790861703	0.808893349	0.827336118	0.846199381
Pr000010-3UG-UGAS											
Pr000010-3UG-UGAS	0.003049822	0.003119357	0.003190479	0.003263222	0.003337623	0.003413721	0.003491554	0.003571161	0.003652584	0.003735863	0.00382104
Pr000010-3UG-UGAS	-0.432315575	-0.44217237	-0.4522539	-0.462565289	-0.473111778	-0.483898726	-0.494931617	-0.506216058	-0.517757784	-0.529562662	-0.541638691
Pr000011-3UG-ALT1											
Pr000011-3UG-ALT1	0.014815394	0.015153185	0.015498678	0.015852048	0.016213475	0.016583142	0.016961237	0.017347954	0.017743487	0.018148038	0.018561814
Pr000011-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Pr000011-3UG-PAS											
Pr000011-3UG-PAS	0.002333134	0.002386329	0.0024440738	0.002496386	0.002553304	0.002611519	0.002671062	0.002731962	0.002794251	0.00285796	0.0029232121
Pr000011-3UG-PAS	-1.013173413	-1.036273767	-1.059900809	-1.084066547	-1.108783264	-1.134063523	-1.159920171	-1.18636351	-1.213415504	-1.241081377	-1.269378033
Pr000011-3UG-UGAS	2.080528069	2.127964108	2.17648169	2.226105473	2.276860677	2.328773101	2.381869128	2.436175744	2.491720551	2.548633179	2.606383034
Pr000011-3UG-UGAS											
Pr000011-3UG-UGAS	0.002333134	0.002386329	0.0024440738	0.002496386	0.002553304	0.002611519	0.002671062	0.002731962	0.002794251	0.00285796	0.0029232121
Pr000011-3UG-UGAS	-1.013173413	-1.036273767	-1.059900809	-1.084066547	-1.108783264	-1.134063523	-1.159920171	-1.18636351	-1.213415504	-1.241081377	-1.269378033
Pr000012-3UG-ALT1											
Pr000012-3UG-ALT1	0.014938604	0.015279204	0.01562757	0.015983878	0.016348311	0.016721052	0.017102292	0.017492224	0.017891047	0.018298863	0.018716179
Pr000012-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Pr000012-3UG-PAS											
Pr000012-3UG-PAS	0.006277075	0.006420192	0.006566572	0.00671629	0.006869422	0.007026045	0.007186238	0.007350085	0.007517667	0.007689069	0.00786438
Pr000012-3UG-PAS	-0.519773623	-0.531624462	-0.5437455	-0.556142897	-0.568822955	-0.581792118	-0.595056979	-0.608624278	-0.622500911	-0.636693932	-0.651210554
Pr000012-3UG-UGAS	0.784908653	0.80280457	0.821108515	0.839829789	0.858977908	0.878562604	0.898593832	0.919081771	0.940036835	0.961469675	0.983391184
Pr000012-3UG-UGAS											
Pr000012-3UG-UGAS	0.002118907	0.002167218	0.00221663	0.00226717	0.00231861	0.002371731	0.002425807	0.002481115	0.002537684	0.002595544	0.002654722
Pr000012-3UG-UGAS	-0.519773623	-0.531624462	-0.5437455	-0.556142897	-0.568822955	-0.581792118	-0.595056979	-0.608624278	-0.622500911	-0.636693932	-0.651210554
Pr000013-3UG-ALT1											
Pr000013-3UG-ALT1	0.023778554	0.024320705	0.024875217	0.025442372	0.026022458	0.02661577	0.027222609	0.027843285	0.028478112	0.029127413	0.029791518
Pr000013-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Pr000013-3UG-PAS											
Pr000013-3UG-PAS	0.004132287	0.004226503	0.004322867	0.004421429	0.004522237	0.004625344	0.004730802	0.004838664	0.004948986	0.005061823	0.005177232
Pr000013-3UG-PAS	-0.891261086	-0.911581839	-0.932365905	-0.953623847	-0.975366471	-0.997604827	-1.020350217	-1.043614202	-1.067408605	-1.091745522	-1.11663732
Pr000013-3UG-UGAS	1.057783407	1.081900868	1.106568208	1.131797963	1.157602957	1.183996304	1.21099142	1.238602024	1.266842151	1.295726152	1.325268708
Pr000013-3UG-UGAS											
Pr000013-3UG-UGAS	0.004101486	0.004194999	0.004290645	0.004388472	0.004488529	0.004590868	0.00469554	0.004802598	0.004912097	0.005024093	0.005138642
Pr000013-3UG-UGAS	-0.891261086	-0.911581839	-0.932365905	-0.953623847	-0.975366471	-0.997604827	-1.020350217	-1.043614202	-1.067408605	-1.091745522	-1.11663732
Pr000014-3UG-ALT1											
Pr000014-3UG-ALT1	0.003880965	0.003969451	0.004059955	0.004152522	0.004247199	0.004344035	0.004443079	0.004544381	0.004647993	0.004753968	0.004862358
Pr000014-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Pr000014-3UG-PAS											
Pr000014-3UG-PAS	0.000490777	0.000501967	0.000513412	0.000525118	0.00053709	0.000549336	0.000561861	0.000574671	0.000587774	0.000601175	0.000614882
Pr000014-3UG-PAS	-0.215376605	-0.220287192	-0.22530974	-0.230446802	-0.235700989	-0.241074971	-0.246571481	-0.25219331	-0.257943318	-0.263824425	-0.269839622
Pr000014-3UG-UGAS	0.249521625	0.255210718	0.261029522	0.266980995	0.273068162	0.279294116	0.285662022	0.292175116	0.298838709	0.305650186	0.31261901
Pr000014-3UG-UGAS											
Pr000014-3UG-UGAS	0.000490777	0.000501967	0.000513412	0.000525118	0.00053709	0.000549336	0.000561861	0.000574671	0.000587774	0.000601175	0.000614882
Pr000014-3UG-UGAS	-0.215376605	-0.220287192	-0.22530974	-0.230446802	-0.235700989	-0.241074971	-0.246571481	-0.25219331	-0.257943318	-0.263824425	-0.269839622
Pr000015-3UG-ALT1											
Pr000015-3UG-ALT1	0.070288435	0.071891011	0.073530126	0.075206613	0.076921324	0.07867513	0.080468923	0.082303614	0.084180137	0.086099444	0.088062511
Pr000015-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Pr000015-3UG-PAS											
Pr000015-3UG-PAS	0.020817363	0.021291999	0.021777456	0.022273982	0.022781829	0.023301255	0.023832523	0.024375905	0.024931675	0.025500118	0.02608152
Pr000015-3UG-PAS	-1.164537081	-1.191088526	-1.218245345	-1.246021338	-1.274430625	-1.303487643	-1.333207161	-1.363604285	-1.394694462	-1.426493496	-1.459017648
Pr000015-3UG-UGAS	1.76733682	1.8076321	1.848846112	1.89099803	1.934114599	1.978212411	2.023315654	2.069447251	2.116630649	2.164889827	2.214249316
Pr000015-3UG-UGAS											
Pr000015-3UG-UGAS	0.009236096	0.009446679	0.009662063	0.009882358	0.010107676	0.010338131	0.01057384	0.010814924	0.011061504	0.011313706	0.011571659
Pr000015-3UG-UGAS	-1.164537081	-1.191088526	-1.218245345	-1.246021338	-1.274430625	-1.303487643	-1.333207161	-1.363604285	-1.394694462	-1.426493496	-1.459017648
Pr000016-3UG-ALT1											
Pr000016-3UG-ALT1	0.079159182	0.080964011	0.082809991	0.084698059	0.086629174	0.088604319	0.090624498	0.092690737	0.094804085	0.096965618	0.099176435
Pr000016-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Pr000016-3UG-PAS											
Pr000016-3UG-PAS	0.07567225	0.077397577	0.079162242	0.080967141	0.082813192	0.084701333	0.086632523	0.088607745			

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SPD-37 Table 7: Annual Costs (Capital and O&M) and O&M Savings

rru_id	annual_costs_in_year_6	annual_costs_in_year_7	annual_costs_in_year_8	annual_costs_in_year_9	annual_costs_in_year_10	annual_costs_in_year_11	annual_costs_in_year_12	annual_costs_in_year_13	annual_costs_in_year_14	annual_costs_in_year_15	annual_costs_in_year_16
Prgr00016-3UG-UGAS	1.850116474	1.892299129	1.93544355	1.979571663	2.024705896	2.070869191	2.118085008	2.166377347	2.21577075	2.266290323	2.317961743
Prgr00016-3UG-UGAS											
Prgr00016-3UG-UGAS	0.000825241	0.000844057	0.000863301	0.000882984	0.000903117	0.000923708	0.000944768	0.000966309	0.000988341	0.001010875	0.001033923
Prgr00016-3UG-UGAS	-0.079954419	-0.08177738	-0.083641904	-0.085548939	-0.087499455	-0.089494443	-0.091534916	-0.093621912	-0.095756492	-0.09793974	-0.100172766
Prgr00017-3UG-ALT1											
Prgr00017-3UG-ALT1	0.02233089	0.022840034	0.023360787	0.023893413	0.024438182	0.024995373	0.025565267	0.026148156	0.026744334	0.027354104	0.027977778
Prgr00017-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prgr00017-3UG-PAS											
Prgr00017-3UG-PAS	0.014762878	0.015099471	0.015444379	0.015795856	0.016156002	0.016524359	0.016901114	0.01728646	0.017680591	0.018083708	0.018496017
Prgr00017-3UG-PAS	-0.377615584	-0.386225219	-0.395031154	-0.404037864	-0.413249928	-0.422672026	-0.432308948	-0.4422165592	-0.452246968	-0.462558199	-0.473104526
Prgr00017-3UG-UGAS	1.13024941	1.156019096	1.182376332	1.209334512	1.236907339	1.265108826	1.293533307	1.323455443	1.353630227	1.384492996	1.416059436
Prgr00017-3UG-UGAS											
Prgr00017-3UG-UGAS	0.001456748	0.001489961	0.001523933	0.001558678	0.001594216	0.001630564	0.001667741	0.001705766	0.001744435	0.001782512	0.001820512
Prgr00017-3UG-UGAS	-0.377615584	-0.386225219	-0.395031154	-0.404037864	-0.413249928	-0.422672026	-0.432308948	-0.4422165592	-0.452246968	-0.462558199	-0.473104526
Prgr00018-3UG-ALT1											
Prgr00018-3UG-ALT1	0.007238286	0.007403319	0.007572115	0.007744759	0.00792134	0.008101946	0.008286671	0.008475607	0.00866885	0.0088665	0.009068656
Prgr00018-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prgr00018-3UG-PAS											
Prgr00018-3UG-PAS	0.000958181	0.000980028	0.010023272	0.001025227	0.001048602	0.00107251	0.001096963	0.001121974	0.001147555	0.001173719	0.00120048
Prgr00018-3UG-PAS	-0.30319539	-0.310108244	-0.317178712	-0.324410387	-0.331806944	-0.339372142	-0.347109627	-0.355023931	-0.363118477	-0.371397578	-0.379865443
Prgr00018-3UG-UGAS	0.421035988	0.430635608	0.4404541	0.450496454	0.460767773	0.471273278	0.482018309	0.493008326	0.504248916	0.515745791	0.527504795
Prgr00018-3UG-UGAS											
Prgr00018-3UG-UGAS	0.000958181	0.000980028	0.001002372	0.001025227	0.001048602	0.00107251	0.001096963	0.001121974	0.001147555	0.001173719	0.00120048
Prgr00018-3UG-UGAS	-0.30319539	-0.310108244	-0.317178712	-0.324410387	-0.331806944	-0.339372142	-0.347109627	-0.355023931	-0.363118477	-0.371397578	-0.379865443
Prgr00019-3UG-ALT1											
Prgr00019-3UG-ALT1	0.02627346	0.026872495	0.027485188	0.02811185	0.0287528	0.029408364	0.030078875	0.030764673	0.031466108	0.032183535	0.032917319
Prgr00019-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prgr00019-3UG-PAS											
Prgr00019-3UG-PAS	0.004370245	0.004469886	0.0045718	0.004676037	0.004782651	0.004891695	0.005003228	0.005117299	0.005233974	0.005353308	0.005475364
Prgr00019-3UG-PAS	-1.225524408	-1.253466365	-1.282045398	-1.311276033	-1.341173127	-1.371751874	-1.403027817	-1.435016851	-1.467735235	-1.501199598	-1.535426949
Prgr00019-3UG-UGAS	1.456271041	1.489474021	1.523434029	1.558168325	1.593694562	1.630030798	1.667195501	1.705207558	1.74408629	1.783851458	1.824523271
Prgr00019-3UG-UGAS											
Prgr00019-3UG-UGAS	0.004370245	0.004469886	0.0045718	0.004676037	0.004782651	0.004891695	0.005003228	0.005117299	0.005233974	0.005353308	0.005475364
Prgr00019-3UG-UGAS	-1.225524408	-1.253466365	-1.282045398	-1.311276033	-1.341173127	-1.371751874	-1.403027817	-1.435016851	-1.467735235	-1.501199598	-1.535426949
Prgr00020-3UG-ALT1											
Prgr00020-3UG-ALT1	0.015092619	0.015436731	0.015788688	0.01614867	0.01651686	0.016893444	0.017278615	0.017672567	0.018075502	0.018487623	0.018909141
Prgr00020-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prgr00020-3UG-PAS											
Prgr00020-3UG-PAS	0.002138383	0.002187138	0.002237005	0.002288009	0.002340176	0.002393532	0.002448104	0.002503921	0.00256101	0.002619401	0.002679124
Prgr00020-3UG-PAS	-1.05817878	-1.082305257	-1.106981817	-1.132221002	-1.158035641	-1.184338553	-1.211444059	-1.23964984	-1.267315665	-1.296210463	-1.325764061
Prgr00020-3UG-UGAS	1.163433365	1.189959645	1.217090725	1.244840394	1.273222755	1.302252234	1.331943585	1.362311898	1.39337261	1.425141505	1.457634731
Prgr00020-3UG-UGAS											
Prgr00020-3UG-UGAS	0.002138383	0.002187138	0.002237005	0.002288009	0.002340176	0.002393532	0.002448104	0.002503921	0.00256101	0.002619401	0.002679124
Prgr00020-3UG-UGAS	-1.05817878	-1.082305257	-1.106981817	-1.132221002	-1.158035641	-1.184338553	-1.211444059	-1.23964984	-1.267315665	-1.296210463	-1.325764061
Prgr00021-3UG-ALT1											
Prgr00021-3UG-ALT1	0.061571677	0.062975511	0.064411353	0.065879931	0.067381994	0.068918303	0.070489641	0.072096804	0.073740612	0.075421898	0.077141517
Prgr00021-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prgr00021-3UG-PAS											
Prgr00021-3UG-PAS	0.009114413	0.009322222	0.009534769	0.009752161	0.009974511	0.01020193	0.010434534	0.010672441	0.010915773	0.011164652	0.011419206
Prgr00021-3UG-PAS	-1.541875858	-1.577030628	-1.612986926	-1.649763028	-1.687377625	-1.725849835	-1.765199211	-1.805445753	-1.846609916	-1.888712622	-1.931757527
Prgr00021-3UG-UGAS	1.818773309	1.860241341	1.902654843	1.946035374	1.990240498	2.035786214	2.082202139	2.129676348	2.178232969	2.227896681	2.278692725
Prgr00021-3UG-UGAS											
Prgr00021-3UG-UGAS	0.009114413	0.009322222	0.009534769	0.009752161	0.009974511	0.01020193	0.010434534	0.010672441	0.010915773	0.011164652	0.011419206
Prgr00021-3UG-UGAS	-1.541875858	-1.577030628	-1.612986926	-1.649763028	-1.687377625	-1.725849835	-1.765199211	-1.805445753	-1.846609916	-1.888712622	-1.931757527
Prgr00022-3UG-ALT1											
Prgr00022-3UG-ALT1	0.007423099	0.007592345	0.007765451	0.007942503	0.008123592	0.00830881	0.008498251	0.008692011	0.008890189	0.009092885	0.009300203
Prgr00022-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prgr00022-3UG-PAS											
Prgr00022-3UG-PAS	0.006669725	0.006821795	0.006977332	0.007136415	0.007299126	0.007465546	0.00763576	0.007809855	0.00798792	0.008170045	0.008356322
Prgr00022-3UG-PAS	-0.015780179	-0.016139967	-0.016507959	-0.01688434	-0.017269303	-0.017653043	-0.0180365761	-0.018419951	-0.018803947	-0.019177506	-0.019550933
Prgr00022-3UG-UGAS	0.172250789	0.176178107	0.180194968	0.184303413	0.188505531	0.192803457	0.197199376	0.201695522	0.20629418	0.210997687	0.215808434
Prgr00022-3UG-UGAS											
Prgr00022-3UG-UGAS	0.000109061	0.000111548	0.000114091	0.000116693	0.000119353	0.000122074	0.000124858	0.000127704	0.000130616	0.000133584	0.00013664
Prgr00022-3UG-UGAS	-0.015780179	-0.016139967	-0.016507959	-0.01688434	-0.017269303	-0.017653043	-0.0180365761	-0.018419951	-0.018803947	-0.019177506	-0.019550933
Prgr00023-3UG-ALT1											
Prgr00023-3UG-ALT1	0.07610987	0.077845175	0.079620045	0.081435382	0.083292109	0.085191169	0.087133528	0.089120172	0.091152112	0.093230338	0.095356033
Prgr00023-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prgr00023-3UG-PAS											
Prgr00023-3UG-PAS	0.013625488	0.013936149	0.014253894	0.014578882	0.014911281	0.015251258	0.015598987	0.015954644	0.01631841	0.016690469	0.017071012
Prgr00023-3UG-PAS	-3.425609429	-3.503713324	-3.583597988	-3.665304022	-3.748872954	-3.834347257	-3.921770375	-4.011186739	-4.102641797	-4.19618203	-4.291854983
Prgr00023-3UG-UGAS	3.745716831	3.831119175	3.918468692	4.007809778	4.099187841	4.192649324	4.288241728	4.38601364	4.486014751	4.588295887	4.692909033
Prgr00023-3UG-UGAS											
Prgr00023-3UG-UGAS	0.013090463	0.013306079	0.013609458	0.013919753	0.014237124	0.01456173	0.014893738	0.015233153	0.015580634	0.015935873	0.016299211
Prgr00023-3UG-UGAS	-3.425609429	-3.503713324	-3.583597988	-3.665304022	-3.748872954	-3.834347257	-3.921770375	-4.011186739	-4.102641797	-4.19618203	-4.291854983
Prgr00024-3UG-ALT1											
Prgr00024-3UG-ALT1	0.003511343	0.003591402	0.003673286	0.003757037	0.003842697	0.003930311	0.004019922	0.004111576	0.00420532	0.004301201	0.004399269
Prgr00024-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prgr00024-3UG-PAS											
Prgr00024-3UG-PAS	0.000479091	0.000490015	0.000501187	0.000512614	0.000524301	0.000536256	0.000548482	0.000560988	0.000573778	0.00058686	0.000600241
Prgr00024-3UG-PAS	-0.244261417	-0.249830577	-0.255526714	-0.261352724	-0.267311566	-0.273406269	-0.279639932	-0.286015723	-0.292536881	-0.299206722	-0.306028635
Prgr00024-3UG-UGAS	0.273897451	0.280142313	0.286529558	0.293062432	0.299744255	0.306578424	0.313568412	0.320717772	0.328030137	0.335509224	0.343158835
Prgr00024-3UG-UGAS											
Prgr00024-3UG-UGAS	0.000479091	0.000490015	0.000501187	0.000512614	0.000524301	0.000536256	0.000548482</				

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Pacific Gas and Electric Company
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rru_id	annual_costs_in_year_6	annual_costs_in_year_7	annual_costs_in_year_8	annual_costs_in_year_9	annual_costs_in_year_10	annual_costs_in_year_11	annual_costs_in_year_12	annual_costs_in_year_13	annual_costs_in_year_14	annual_costs_in_year_15	annual_costs_in_year_16
Prog00025-3UG-ALT1											
Prog00025-3UG-ALT1	0.008747561	0.008947006	0.009150997	0.00935964	0.00957304	0.009791305	0.010014547	0.010242878	0.010476416	0.010715278	0.010959587
Prog00025-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prog00025-3UG-PAS											
Prog00025-3UG-PAS	0.001394429	0.001426222	0.00145874	0.001491999	0.001526017	0.00156081	0.001596396	0.001632794	0.001670022	0.001708098	0.001747043
Prog00025-3UG-PAS	-0.521401126	-0.533289071	-0.545448062	-0.557884278	-0.57060404	-0.583613812	-0.596920207	-0.610529987	-0.624450071	-0.638687533	-0.653249608
Prog00025-3UG-UGAS	0.598287618	0.611928576	0.625880547	0.640150624	0.654746058	0.669674268	0.684942842	0.700559538	0.716532296	0.732869232	0.749578651
Prog00025-3UG-UGAS											
Prog00025-3UG-ALT1	0.001394429	0.001426222	0.00145874	0.001491999	0.001526017	0.00156081	0.001596396	0.001632794	0.001670022	0.001708098	0.001747043
Prog00025-3UG-UGAS	-0.521401126	-0.533289071	-0.545448062	-0.557884278	-0.57060404	-0.583613812	-0.596920207	-0.610529987	-0.624450071	-0.638687533	-0.653249608
Prog00026-3UG-ALT1											
Prog00026-3UG-ALT1	0.010441615	0.010679683	0.01092318	0.011172229	0.011426955	0.011688749	0.011953965	0.012226515	0.01250528	0.0127904	0.013082021
Prog00026-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prog00026-3UG-PAS											
Prog00026-3UG-PAS	0.00128147	0.001310688	0.001340571	0.001371137	0.001402398	0.001434373	0.001467077	0.001500526	0.001534738	0.00156973	0.00160552
Prog00026-3UG-PAS	-0.707094428	-0.723216181	-0.73970551	-0.756570795	-0.773820609	-0.791463719	-0.809509092	-0.827965899	-0.846843522	-0.866151554	-0.88589981
Prog00026-3UG-UGAS	0.801940913	0.820225166	0.8389263	0.858053819	0.877617447	0.897627124	0.918093023	0.939025544	0.960435326	0.98233252	1.00473045
Prog00026-3UG-UGAS											
Prog00026-3UG-ALT1	0.00128147	0.001310688	0.001340571	0.001371137	0.001402398	0.001434373	0.001467077	0.001500526	0.001534738	0.00156973	0.00160552
Prog00026-3UG-UGAS	-0.707094428	-0.723216181	-0.73970551	-0.756570795	-0.773820609	-0.791463719	-0.809509092	-0.827965899	-0.846843522	-0.866151554	-0.88589981
Prog00027-3UG-ALT1											
Prog00027-3UG-ALT1	0.004065757	0.004158456	0.004253269	0.004350243	0.004449429	0.004550876	0.004654636	0.004760761	0.004869307	0.004980327	0.005093878
Prog00027-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prog00027-3UG-PAS											
Prog00027-3UG-PAS	0.00051025	0.000521884	0.000533783	0.000545953	0.000558401	0.000571133	0.000584155	0.000597473	0.000611096	0.000625029	0.000639279
Prog00027-3UG-PAS	-0.238596003	-0.244035992	-0.249600013	-0.255290893	-0.2611111526	-0.267064868	-0.273153947	-0.279381857	-0.285751764	-0.292266904	-0.298930589
Prog00027-3UG-UGAS	0.260189797	0.266122124	0.272189709	0.278395634	0.284743054	0.291235196	0.297875358	0.304666917	0.311613322	0.318718106	0.325984879
Prog00027-3UG-UGAS											
Prog00027-3UG-ALT1	0.00051025	0.000521884	0.000533783	0.000545953	0.000558401	0.000571133	0.000584155	0.000597473	0.000611096	0.000625029	0.000639279
Prog00027-3UG-UGAS	-0.238596003	-0.244035992	-0.249600013	-0.255290893	-0.2611111526	-0.267064868	-0.273153947	-0.279381857	-0.285751764	-0.292266904	-0.298930589
Prog00028-3UG-ALT1											
Prog00028-3UG-ALT1	0.0098564	0.010081126	0.010310975	0.010546066	0.010786516	0.011032448	0.011283988	0.011541263	0.011804404	0.012073544	0.012348821
Prog00028-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prog00028-3UG-PAS											
Prog00028-3UG-PAS	0.002815843	0.002880044	0.002945709	0.003012871	0.003081565	0.003151825	0.003223686	0.003297186	0.003372362	0.003449252	0.003527895
Prog00028-3UG-PAS	-0.633451701	-0.6478944	-0.662666392	-0.677775186	-0.69322846	-0.709034069	-0.725200046	-0.741734607	-0.758646156	-0.775943288	-0.793634795
Prog00028-3UG-UGAS	0.841685277	0.860875702	0.880603667	0.900579151	0.921112356	0.942113717	0.96359391	0.985563851	1.008034707	1.031017899	1.054525107
Prog00028-3UG-UGAS											
Prog00028-3UG-ALT1	0.001147351	0.00117351	0.00117351	0.001200266	0.001227632	0.001255623	0.001284251	0.001313532	0.00134348	0.001374111	0.001405441
Prog00028-3UG-UGAS	-0.633451701	-0.6478944	-0.662666392	-0.677775186	-0.69322846	-0.709034069	-0.725200046	-0.741734607	-0.758646156	-0.775943288	-0.793634795

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rru_id	annual_costs_in_year_17	annual_costs_in_year_18	annual_costs_in_year_19	annual_costs_in_year_20	annual_costs_in_year_21	annual_costs_in_year_22	annual_costs_in_year_23	annual_costs_in_year_24	annual_costs_in_year_25	annual_costs_in_year_26	annual_costs_in_year_27
Prj00001-3UG-ALT1											
Prj00001-3UG-ALT1	0.01203831	0.012312783	0.012593515	0.012880647	0.013174326	0.0134747	0.013781924	0.014096151	0.014417544	0.014746264	0.015082478
Prj00001-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00001-3UG-PAS											
Prj00001-3UG-PAS	0.001811828	0.001853138	0.001895389	0.001938604	0.001982804	0.002028012	0.002074251	0.002121544	0.002169915	0.002219389	0.002269991
Prj00001-3UG-PAS	-1.553795004	-1.58922153	-1.625455781	-1.662516173	-1.700421542	-1.739191153	-1.778844711	-1.81940237	-1.860884744	-1.903312917	-1.946708451
Prj00001-3UG-UGAS	1.705973409	1.744869603	1.784652629	1.825342709	1.866960523	1.909527223	1.953064444	1.997594313	2.043139463	2.089723043	2.137368729
Prj00001-3UG-UGAS											
Prj00001-3UG-UGAS	0.001811828	0.001853138	0.001895389	0.001938604	0.001982804	0.002028012	0.002074251	0.002121544	0.002169915	0.002219389	0.002269991
Prj00001-3UG-UGAS	-1.553795004	-1.58922153	-1.625455781	-1.662516173	-1.700421542	-1.739191153	-1.778844711	-1.81940237	-1.860884744	-1.903312917	-1.946708451
Prj00002-3UG-ALT1											
Prj00002-3UG-ALT1	0.010143757	0.010375035	0.010611586	0.01085353	0.011100991	0.011354093	0.011612966	0.011877742	0.012148555	0.012425542	0.012708844
Prj00002-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00002-3UG-PAS											
Prj00002-3UG-PAS	0.001455478	0.001488662	0.001522604	0.001557319	0.001592826	0.001629143	0.001666287	0.001704278	0.001743136	0.001782879	0.001823529
Prj00002-3UG-PAS	-0.386444468	-0.395255402	-0.404267225	-0.413484518	-0.422911965	-0.432554357	-0.442416597	-0.452503695	-0.462820779	-0.473373093	-0.484166
Prj00002-3UG-UGAS	0.772901554	0.790523709	0.80854765	0.826982536	0.845837738	0.865122839	0.884847639	0.905022165	0.925656671	0.946761643	0.968347808
Prj00002-3UG-UGAS											
Prj00002-3UG-UGAS	0.001455478	0.001488662	0.001522604	0.001557319	0.001592826	0.001629143	0.001666287	0.001704278	0.001743136	0.001782879	0.001823529
Prj00002-3UG-UGAS	-0.386444468	-0.395255402	-0.404267225	-0.413484518	-0.422911965	-0.432554357	-0.442416597	-0.452503695	-0.462820779	-0.473373093	-0.484166
Prj00003-3UG-ALT1											
Prj00003-3UG-ALT1	0.032957377	0.033708805	0.034477368	0.03526345	0.036067457	0.036889795	0.037730882	0.038591146	0.039471024	0.040370964	0.041291422
Prj00003-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00003-3UG-PAS											
Prj00003-3UG-PAS	0.00574994	0.005881039	0.006015127	0.006152271	0.006292543	0.006436013	0.006582754	0.006732841	0.00688635	0.007043359	0.007203947
Prj00003-3UG-PAS	-1.921989002	-1.965810352	-2.010630828	-2.05647321	-2.1033608	-2.151317426	-2.200367463	-2.250535841	-2.301848058	-2.354330194	-2.408008923
Prj00003-3UG-UGAS	2.207573238	2.257869087	2.309348503	2.362001648	2.415855286	2.470936787	2.527274145	2.584895996	2.643831625	2.704110986	2.765764716
Prj00003-3UG-UGAS											
Prj00003-3UG-UGAS	0.00574994	0.005881039	0.006015127	0.006152271	0.006292543	0.006436013	0.006582754	0.006732841	0.00688635	0.007043359	0.007203947
Prj00003-3UG-UGAS	-1.921989002	-1.965810352	-2.010630828	-2.05647321	-2.1033608	-2.151317426	-2.200367463	-2.250535841	-2.301848058	-2.354330194	-2.408008923
Prj00004-3UG-ALT1											
Prj00004-3UG-ALT1	0.001697198	0.001735894	0.001775472	0.001815953	0.001857357	0.001899705	0.001943018	0.001987319	0.00203263	0.002078973	0.002126374
Prj00004-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00004-3UG-PAS											
Prj00004-3UG-PAS	0.00023958	0.000245042	0.000250629	0.000256343	0.000262188	0.000268166	0.00027428	0.000280534	0.00028693	0.000293472	0.000300163
Prj00004-3UG-PAS	-0.068904817	-0.070475847	-0.072082696	-0.073726182	-0.075407139	-0.077126421	-0.07884904	-0.08068348	-0.082523063	-0.084404589	-0.086329014
Prj00004-3UG-UGAS	0.07788672	0.079664534	0.081480885	0.083338649	0.085238771	0.087182215	0.089169969	0.091203044	0.093282474	0.095409314	0.097584647
Prj00004-3UG-UGAS											
Prj00004-3UG-UGAS	0.00023958	0.000245042	0.000250629	0.000256343	0.000262188	0.000268166	0.00027428	0.000280534	0.00028693	0.000293472	0.000300163
Prj00004-3UG-UGAS	-0.068904817	-0.070475847	-0.072082696	-0.073726182	-0.075407139	-0.077126421	-0.07884904	-0.08068348	-0.082523063	-0.084404589	-0.086329014
Prj00005-3UG-ALT1											
Prj00005-3UG-ALT1	0.022379428	0.022889679	0.023411564	0.023945347	0.024491301	0.025049703	0.025620836	0.026204991	0.026802465	0.027413561	0.02803859
Prj00005-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00005-3UG-PAS											
Prj00005-3UG-PAS	0.003289243	0.003364238	0.003440943	0.003519396	0.003599639	0.00368171	0.003765653	0.00385151	0.003939325	0.004029141	0.004121006
Prj00005-3UG-PAS	-1.760485841	-1.800624918	-1.841679166	-1.883669451	-1.926617115	-1.970543985	-2.015472388	-2.061425158	-2.108425652	-2.156497757	-2.205665905
Prj00005-3UG-UGAS	1.846837182	1.88945069	1.932013017	1.976062914	2.021117148	2.067198619	2.114330748	2.162537489	2.211843343	2.262273372	2.313853205
Prj00005-3UG-UGAS											
Prj00005-3UG-UGAS	0.003289243	0.003364238	0.003440943	0.003519396	0.003599639	0.00368171	0.003765653	0.00385151	0.003939325	0.004029141	0.004121006
Prj00005-3UG-UGAS	-1.760485841	-1.800624918	-1.841679166	-1.883669451	-1.926617115	-1.970543985	-2.015472388	-2.061425158	-2.108425652	-2.156497757	-2.205665905
Prj00006-3UG-ALT1											
Prj00006-3UG-ALT1	0.004854791	0.00496548	0.005078693	0.005194487	0.005312922	0.005434056	0.005557953	0.005684674	0.005814285	0.00594685	0.006082439
Prj00006-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00006-3UG-PAS											
Prj00006-3UG-PAS	0.002420865	0.00247606	0.002532515	0.002590256	0.002649314	0.002709718	0.0027715	0.00283489	0.002899321	0.002965425	0.003033037
Prj00006-3UG-PAS	-0.077615942	-0.079385586	-0.081195577	-0.083046836	-0.084940304	-0.086876943	-0.088857737	-0.090883694	-0.092955842	-0.095075235	-0.09724295
Prj00006-3UG-UGAS	0.204899961	0.20957168	0.214349915	0.219237093	0.224235698	0.229348272	0.234577413	0.239925778	0.245396086	0.250991116	0.256713714
Prj00006-3UG-UGAS											
Prj00006-3UG-UGAS	0.000289493	0.000296093	0.000302844	0.000309749	0.000316812	0.000324035	0.000331423	0.000338979	0.000346708	0.000354613	0.000362698
Prj00006-3UG-UGAS	-0.077615942	-0.079385586	-0.081195577	-0.083046836	-0.084940304	-0.086876943	-0.088857737	-0.090883694	-0.092955842	-0.095075235	-0.09724295
Prj00007-3UG-ALT1											
Prj00007-3UG-ALT1	0.032325873	0.033062902	0.033816737	0.034587758	0.035376359	0.03618294	0.037007911	0.037851691	0.03871471	0.039597405	0.040500226
Prj00007-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00007-3UG-PAS											
Prj00007-3UG-PAS	0.028281427	0.028926243	0.029585761	0.030260317	0.030950252	0.031655918	0.032377673	0.033115884	0.033870926	0.034643183	0.035433047
Prj00007-3UG-PAS	-0.089889798	-0.091939286	-0.094035501	-0.096179511	-0.098372404	-0.100615295	-0.102909323	-0.105255656	-0.107655485	-0.11011003	-0.112620538
Prj00007-3UG-UGAS	0.82967339	0.848589944	0.867737794	0.887267776	0.907966947	0.928868593	0.949842237	0.97149864	0.993848809	1.016304002	1.039475733
Prj00007-3UG-UGAS											
Prj00007-3UG-UGAS	0.000534066	0.000546243	0.000558697	0.000571435	0.000584464	0.00059779	0.000611419	0.00062536	0.000639618	0.000654201	0.000669117
Prj00007-3UG-UGAS	-0.089889798	-0.091939286	-0.094035501	-0.096179511	-0.098372404	-0.100615295	-0.102909323	-0.105255656	-0.107655485	-0.11011003	-0.112620538
Prj00008-3UG-ALT1											
Prj00008-3UG-ALT1	0.073690332	0.075370472	0.077088919	0.078846546	0.080644247	0.082482936	0.084363547	0.086287036	0.088254381	0.09026658	0.092324658

SPD-37
Pacific Gas and Electric Company
Electrical Undergrounding Program
SPD-37 Table 7: Annual Costs (Capital and O&M) and O&M Savings

rru_id	annual_costs_in_year_17	annual_costs_in_year_18	annual_costs_in_year_19	annual_costs_in_year_20	annual_costs_in_year_21	annual_costs_in_year_22	annual_costs_in_year_23	annual_costs_in_year_24	annual_costs_in_year_25	annual_costs_in_year_26	annual_costs_in_year_27
Prj00008-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00008-3UG-PAS											
Prj00008-3UG-PAS	0.04655492	0.047616372	0.0487202025	0.049812432	0.050948155	0.052109773	0.053297876	0.054513067	0.055759565	0.057027201	0.058327421
Prj00008-3UG-PAS	-0.390990805	-0.399905396	-0.409023239	-0.418348969	-0.427887325	-0.437643156	-0.44762142	-0.457827189	-0.468265648	-0.478942105	-0.489861985
Prj00008-3UG-UGAS	1.362394793	1.393457394	1.425228223	1.457723426	1.49095952	1.524953397	1.559722335	1.595284004	1.631656479	1.668598247	1.706908215
Prj00008-3UG-UGAS											
Prj00008-3UG-UGAS	0.007440233	0.007609871	0.007783376	0.007960837	0.008142344	0.008327989	0.008517868	0.008712075	0.00891071	0.009113874	0.009321671
Prj00008-3UG-UGAS	-0.390990805	-0.399905396	-0.409023239	-0.418348969	-0.427887325	-0.437643156	-0.44762142	-0.457827189	-0.468265648	-0.478942105	-0.489861985
Prj00009-3UG-ALT1											
Prj00009-3UG-ALT1	0.027589456	0.028218496	0.028861878	0.029519928	0.030192983	0.030881383	0.031585478	0.032305627	0.033042196	0.033795558	0.034566096
Prj00009-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00009-3UG-PAS											
Prj00009-3UG-PAS	0.006153025	0.006293314	0.006436901	0.00658356	0.00673865	0.006897193	0.007064221	0.007236999	0.007537115	0.007708961	0.007708961
Prj00009-3UG-PAS	-1.521267591	-1.555952492	-1.591428209	-1.627712772	-1.664824623	-1.702782625	-1.741606068	-1.781314687	-1.821928662	-1.863468635	-1.90595572
Prj00009-3UG-UGAS	1.886449213	1.929460255	1.973451949	2.018446654	2.064467237	2.11153709	2.159680136	2.208920843	2.259284238	2.310795919	2.363482066
Prj00009-3UG-UGAS											
Prj00009-3UG-UGAS	0.004337409	0.004436302	0.00453745	0.004640904	0.004746717	0.004854942	0.004965634	0.005078851	0.005194649	0.005313087	0.005434225
Prj00009-3UG-UGAS	-1.521267591	-1.555952492	-1.591428209	-1.627712772	-1.664824623	-1.702782625	-1.741606068	-1.781314687	-1.821928662	-1.863468635	-1.90595572
Prj00010-3UG-ALT1											
Prj00010-3UG-ALT1	0.030865453	0.031569185	0.032288962	0.033025151	0.033778124	0.034548265	0.035335966	0.036141626	0.036965655	0.037808472	0.038670505
Prj00010-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00010-3UG-PAS											
Prj00010-3UG-PAS	0.008486667	0.008680163	0.008878071	0.009080491	0.009287526	0.00949282	0.009715865	0.009937387	0.010163959	0.010395988	0.01063272
Prj00010-3UG-PAS	-0.553986007	-0.566618888	-0.579535753	-0.592749168	-0.606263849	-0.620086665	-0.634224641	-0.648684963	-0.66347498	-0.67860221	-0.69407434
Prj00010-3UG-UGAS	0.865492727	0.885225961	0.905409113	0.926052441	0.947166437	0.968761832	0.990849601	1.013440972	1.036547426	1.060180708	1.084352828
Prj00010-3UG-UGAS											
Prj00010-3UG-UGAS	0.00390816	0.003997266	0.004088404	0.004181619	0.00427696	0.004374475	0.004474213	0.004576225	0.004680563	0.00478728	0.00489643
Prj00010-3UG-UGAS	-0.553986007	-0.566618888	-0.579535753	-0.592749168	-0.606263849	-0.620086665	-0.634224641	-0.648684963	-0.66347498	-0.67860221	-0.69407434
Prj00011-3UG-ALT1											
Prj00011-3UG-ALT1	0.018985023	0.019417882	0.019860609	0.020313431	0.020776577	0.021250283	0.02173479	0.022230343	0.022737195	0.023255603	0.023785831
Prj00011-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00011-3UG-PAS											
Prj00011-3UG-PAS	0.002989768	0.003057935	0.003127656	0.003198967	0.003271903	0.003346503	0.003422803	0.003500843	0.003580662	0.003662301	0.003745801
Prj00011-3UG-PAS	-1.298319852	-1.327921545	-1.358198156	-1.389165074	-1.420838037	-1.453233145	-1.48636686	-1.520256025	-1.554917862	-1.590369989	-1.626630425
Prj00011-3UG-UGAS	2.666069657	2.726856045	2.789028363	2.85261821	2.917657905	2.984180505	3.052219821	3.121810433	3.192987713	3.26578783	3.340247793
Prj00011-3UG-UGAS											
Prj00011-3UG-UGAS	0.002989768	0.003057935	0.003127656	0.003198967	0.003271903	0.003346503	0.003422803	0.003500843	0.003580662	0.003662301	0.003745801
Prj00011-3UG-UGAS	-1.298319852	-1.327921545	-1.358198156	-1.389165074	-1.420838037	-1.453233145	-1.48636686	-1.520256025	-1.554917862	-1.590369989	-1.626630425
Prj00012-3UG-ALT1											
Prj00012-3UG-ALT1	0.019142908	0.019579366	0.020025776	0.020482364	0.020949362	0.021427007	0.021915543	0.022415217	0.022926284	0.023449003	0.023983641
Prj00012-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00012-3UG-PAS											
Prj00012-3UG-PAS	0.008043688	0.008227084	0.008414662	0.008606516	0.008802744	0.009003447	0.009208726	0.009418684	0.009633431	0.009853073	0.010077723
Prj00012-3UG-PAS	-0.66058154	-0.68124428	-0.70263157	-0.724891187	-0.748531068	-0.773691877	-0.799791482	-0.826529177	-0.853984954	-0.882158849	-0.911077723
Prj00012-3UG-UGAS	1.005812503	1.028745028	1.052200415	1.076190584	1.100727729	1.125824322	1.151493116	1.177747159	1.204599794	1.23206467	1.260155744
Prj00012-3UG-UGAS											
Prj00012-3UG-UGAS	0.00271525	0.002840476	0.002995239	0.003180476	0.003399229	0.003633929	0.003893823	0.004179397	0.004492188	0.004832603	0.0051984
Prj00012-3UG-UGAS	-0.66058154	-0.68124428	-0.69677665	-0.712663157	-0.728911877	-0.745531068	-0.762529177	-0.779914842	-0.7976969	-0.81588439	-0.834486554
Prj00013-3UG-ALT1											
Prj00013-3UG-ALT1	0.030470764	0.031165498	0.031876071	0.032602845	0.03334619	0.034106483	0.034884111	0.035679469	0.036492961	0.037325	0.03817601
Prj00013-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00013-3UG-PAS											
Prj00013-3UG-PAS	0.005295273	0.005416005	0.00553949	0.005665791	0.005794971	0.005927096	0.006062234	0.006200453	0.006341823	0.006486417	0.006634307
Prj00013-3UG-PAS	-1.14209665	-1.168138454	-1.194769965	-1.22201072	-1.249872565	-1.278369659	-1.307516488	-1.337327863	-1.367818939	-1.399005211	-1.430902529
Prj00013-3UG-UGAS	1.355484834	1.386389889	1.417999578	1.450329968	1.483397492	1.517218995	1.551811547	1.58719285	1.623380847	1.66039393	1.698250912
Prj00013-3UG-UGAS											
Prj00013-3UG-UGAS	0.005255803	0.005375636	0.0054982	0.005623559	0.005751776	0.005882917	0.006017047	0.006154236	0.006294552	0.006438068	0.006584856
Prj00013-3UG-UGAS	-1.14209665	-1.168138454	-1.194769965	-1.22201072	-1.249872565	-1.278369659	-1.307516488	-1.337327863	-1.367818939	-1.399005211	-1.430902529
Prj00014-3UG-ALT1											
Prj00014-3UG-ALT1	0.00497322	0.005086609	0.005202584	0.005321203	0.005442526	0.005566616	0.005693535	0.005823347	0.00595612	0.006091919	0.006230815
Prj00014-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00014-3UG-PAS											
Prj00014-3UG-PAS	0.000628901	0.00064324	0.000657906	0.000672906	0.000688248	0.00070394	0.00071999	0.000736406	0.000753196	0.000770399	0.000787933
Prj00014-3UG-PAS	-0.275991966	-0.282284583	-0.288720671	-0.295303502	-0.302036422	-0.308922853	-0.315966294	-0.323170325	-0.330538609	-0.338074889	-0.345782996
Prj00014-3UG-UGAS	0.319746723	0.327036949	0.334493391	0.34211984	0.349820173	0.357686353	0.365608435	0.373404567	0.382049092	0.391672046	0.400602169
Prj00014-3UG-UGAS											
Prj00014-3UG-UGAS	0.000628901	0.00064324	0.000657906	0.000672906	0.000688248	0.00070394	0.00071999	0.000736406	0.000753196	0.000770399	0.000787933
Prj00014-3UG-UGAS	-0.275991966	-0.282284583	-0.288720671	-0.295303502	-0.302036422	-0.308922853	-0.315966294	-0.323170325	-0.330538609	-0.338074889	-0.345782996
Prj00015-3UG-ALT1											
Prj00015-3UG-ALT1	0.090070336	0.09212394	0.094224366	0.096372681	0.098569978	0.100817374	0.10311601	0.105467055	0.107871704	0.110331179	0.11284673
Prj00015-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00015-3UG-PAS											
Prj00015-3UG-PAS	0.026676179	0.027284396	0.02790648	0.028542748	0.029193523	0.029859135	0.030539923	0.031236233	0.03194842	0.032676843	0.033421875
Prj00015-3UG-PAS	-1.492283148	-1.526307204	-1.561107008	-1.596700248	-1.633105013	-1.670339808	-1.708423555	-1.747375612	-1.787215776	-1.827964296	-1.869641882
Prj00015-3UG-UGAS	2.2647342	2.31637014	2.369183379	2.42320076	2.478449737	2.534958391	2.592755443	2.651870267	2.712332909	2.774174099	2.837425269
Prj00015-3UG-UGAS											
Prj00015-3UG-UGAS	0.011835493	0.012105342	0.012381344	0.012663638	0.012952369	0.013247683	0.01354973	0.013858664	0.014174642	0.014497824	0.014828374
Prj00015-3UG-UGAS	-1.492283148	-1.526307204	-1.561107008	-1.596700248	-1.633105013	-1.670339808	-1.708423555	-1.747375612	-1.787215776	-1.827964296	-1.869641882
Prj00016-3UG-ALT1											
Prj00016-3UG-ALT1	0.101437657	0.103750436	0.106115946	0.108535389	0.111009996	0.113541024	0.11612976	0.118777518	0.121485645	0.124255518	0.127088544
Prj00016-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00016-3UG-PAS											
Prj00016-3UG-PAS	0.096969367	0.099180268	0.101441578	0.103754446	0.106120048	0.108539585	0.111014287	0.113545413	0.116134249	0.118782109	0.121490342
Prj00016-3UG-PAS	-0.102456705	-0.104792718	-0.107181992								

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rru_id	annual_costs_in_year_17	annual_costs_in_year_18	annual_costs_in_year_19	annual_costs_in_year_20	annual_costs_in_year_21	annual_costs_in_year_22	annual_costs_in_year_23	annual_costs_in_year_24	annual_costs_in_year_25	annual_costs_in_year_26	annual_costs_in_year_27
Prj00016-3UG-UGAS	2.37081127	2.424865767	2.480152707	2.536700189	2.594536953	2.653692395	2.714196582	2.77680264	2.839374894	2.904112642	2.97032641
Prj00016-3UG-UGAS											
Prj00016-3UG-UGAS	0.001057496	0.001081607	0.001106268	0.001131491	0.001157289	0.001183675	0.001210663	0.001238266	0.001266498	0.001295374	0.001324909
Prj00016-3UG-UGAS	-0.102456705	-0.104792718	-0.107181992	-0.109625741	-0.112125208	-0.114681663	-0.117296404	-0.119970762	-0.122706096	-0.125503795	-0.128365281
Prj00017-3UG-ALT1											
Prj00017-3UG-ALT1	0.028615671	0.029268109	0.029935421	0.030617949	0.031316038	0.032030044	0.032760329	0.033507264	0.03427123	0.035052614	0.035851814
Prj00017-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00017-3UG-PAS											
Prj00017-3UG-PAS	0.018917726	0.01934905	0.019790209	0.020241425	0.02070293	0.021174957	0.021657746	0.022151542	0.022656597	0.023173168	0.023701516
Prj00017-3UG-PAS	-0.483891309	-0.494924031	-0.506208299	-0.517749848	-0.529554544	-0.541628388	-0.553977515	-0.566608202	-0.579526887	-0.592740082	-0.606254556
Prj00017-3UG-UGAS	1.448345592	1.481367871	1.515143059	1.54968832	1.585021214	1.621159698	1.658122139	1.695927323	1.734594466	1.77414322	1.814593686
Prj00017-3UG-UGAS											
Prj00017-3UG-UGAS	0.001866733	0.001909295	0.001952826	0.001997351	0.002042891	0.002089468	0.002137108	0.002185834	0.002235671	0.00228645	0.00233878
Prj00017-3UG-UGAS	-0.483891309	-0.494924031	-0.506208299	-0.517749848	-0.529554544	-0.541628388	-0.553977515	-0.566608202	-0.579526887	-0.592740082	-0.606254556
Prj00018-3UG-ALT1											
Prj00018-3UG-ALT1	0.009275422	0.009486901	0.009703203	0.009924436	0.010150713	0.010382149	0.010618862	0.010860972	0.011108602	0.011361879	0.011620929
Prj00018-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00018-3UG-PAS											
Prj00018-3UG-PAS	0.001227851	0.001255846	0.001284479	0.001313765	0.001343719	0.001374356	0.001405691	0.001437741	0.001470521	0.001504049	0.001538342
Prj00018-3UG-PAS	-0.388526375	-0.397384776	-0.406445149	-0.415712099	-0.425190334	-0.434884674	-0.444800045	-0.454941486	-0.465314151	-0.475923314	-0.486774366
Prj00018-3UG-UGAS	0.539531905	0.551833232	0.56441503	0.577283693	0.590445761	0.603907924	0.617677025	0.631760061	0.64616419	0.66096734	0.675965179
Prj00018-3UG-UGAS											
Prj00018-3UG-UGAS	0.001227851	0.001255846	0.001284479	0.001313765	0.001343719	0.001374356	0.001405691	0.001437741	0.001470521	0.001504049	0.001538342
Prj00018-3UG-UGAS	-0.388526375	-0.397384776	-0.406445149	-0.415712099	-0.425190334	-0.434884674	-0.444800045	-0.454941486	-0.465314151	-0.475923314	-0.486774366
Prj00019-3UG-ALT1											
Prj00019-3UG-ALT1	0.033667834	0.034435461	0.035220589	0.036023619	0.036844957	0.037685022	0.038544241	0.03942305	0.040321895	0.041241234	0.042181534
Prj00019-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00019-3UG-PAS											
Prj00019-3UG-PAS	0.005600202	0.005727887	0.005858482	0.005992056	0.006128675	0.006268408	0.006411328	0.006557506	0.006707018	0.006859938	0.007016344
Prj00019-3UG-PAS	-1.570434684	-1.606240595	-1.64286288	-1.680320154	-1.718631453	-1.75781625	-1.797894461	-1.83886455	-1.880813066	-1.923695604	-1.967555863
Prj00019-3UG-UGAS	1.866122402	1.908669992	1.952187668	1.996697547	2.042222251	2.088784918	2.136409215	2.185119345	2.234940066	2.285896699	2.339015144
Prj00019-3UG-UGAS											
Prj00019-3UG-UGAS	0.005600202	0.005727887	0.005858482	0.005992056	0.006128675	0.006268408	0.006411328	0.006557506	0.006707018	0.006859938	0.007016344
Prj00019-3UG-UGAS	-1.570434684	-1.606240595	-1.64286288	-1.680320154	-1.718631453	-1.75781625	-1.797894461	-1.83886455	-1.880813066	-1.923695604	-1.967555863
Prj00020-3UG-ALT1											
Prj00020-3UG-ALT1	0.019340269	0.019781228	0.02023224	0.020693535	0.021165347	0.021647917	0.02214149	0.022646316	0.023162652	0.02369076	0.024230909
Prj00020-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00020-3UG-PAS											
Prj00020-3UG-PAS	0.002740208	0.002802684	0.002866586	0.002931944	0.002998792	0.003067184	0.003137096	0.003208622	0.003281778	0.003356603	0.003433133
Prj00020-3UG-PAS	-1.355991482	-1.386908088	-1.418529592	-1.450872067	-1.48395195	-1.517786054	-1.552391576	-1.587786104	-1.623987627	-1.661014545	-1.698885677
Prj00020-3UG-UGAS	1.490868803	1.524860612	1.559627434	1.595186939	1.631557202	1.668756706	1.706804359	1.745719498	1.785521903	1.826231802	1.867698687
Prj00020-3UG-UGAS											
Prj00020-3UG-UGAS	0.002740208	0.002802684	0.002866586	0.002931944	0.002998792	0.003067184	0.003137096	0.003208622	0.003281778	0.003356603	0.003433133
Prj00020-3UG-UGAS	-1.355991482	-1.386908088	-1.418529592	-1.450872067	-1.48395195	-1.517786054	-1.552391576	-1.587786104	-1.623987627	-1.661014545	-1.698885677
Prj00021-3UG-ALT1											
Prj00021-3UG-ALT1	0.078900343	0.080699271	0.082539215	0.084421109	0.08634591	0.088314597	0.09032817	0.092387652	0.094494909	0.096648556	0.098852143
Prj00021-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00021-3UG-PAS											
Prj00021-3UG-PAS	0.011679564	0.011945858	0.012218224	0.012496799	0.012781726	0.01307315	0.013371218	0.013676081	0.013987896	0.01430682	0.014633015
Prj00021-3UG-PAS	-1.975819746	-2.020868437	-2.069944237	-2.114070566	-2.162271374	-2.211571162	-2.261994984	-2.31356847	-2.366317831	-2.420269878	-2.475452031
Prj00021-3UG-UGAS	2.330646919	2.383785669	2.438135982	2.493725482	2.550582423	2.608735703	2.668214877	2.729050176	2.79127252	2.854913533	2.920005562
Prj00021-3UG-UGAS											
Prj00021-3UG-UGAS	0.011679564	0.011945858	0.012218224	0.012496799	0.012781726	0.01307315	0.013371218	0.013676081	0.013987896	0.01430682	0.014633015
Prj00021-3UG-UGAS	-1.975819746	-2.020868437	-2.069944237	-2.114070566	-2.162271374	-2.211571162	-2.261994984	-2.31356847	-2.366317831	-2.420269878	-2.475452031
Prj00022-3UG-ALT1											
Prj00022-3UG-ALT1	0.009512248	0.009729127	0.009950951	0.010177833	0.010409887	0.010647233	0.01088999	0.011138281	0.011392234	0.011651977	0.011917642
Prj00022-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00022-3UG-PAS											
Prj00022-3UG-PAS	0.000546846	0.008741714	0.008941025	0.00914488	0.009353384	0.009566641	0.00978476	0.010007853	0.010236032	0.010469413	0.010708116
Prj00022-3UG-PAS	-0.002021336	-0.020682383	-0.021153941	-0.021636251	-0.022129557	-0.022634111	-0.023150169	-0.023677993	-0.024217851	-0.024770018	-0.025334774
Prj00022-3UG-UGAS	0.220728867	0.225761485	0.230908847	0.236173568	0.241556836	0.247065855	0.252698957	0.258460493	0.264353392	0.27038065	0.276545329
Prj00022-3UG-UGAS											
Prj00022-3UG-UGAS	0.000139755	0.000142942	0.000146201	0.000149534	0.000152944	0.000156431	0.000159997	0.000163645	0.000167377	0.000171193	0.000175096
Prj00022-3UG-UGAS	-0.020221336	-0.020682383	-0.021153941	-0.021636251	-0.022129557	-0.022634111	-0.023150169	-0.023677993	-0.024217851	-0.024770018	-0.025334774
Prj00023-3UG-ALT1											
Prj00023-3UG-ALT1	0.09753015	0.099753838	0.102028225	0.104354469	0.106733751	0.10916728	0.111656294	0.114202058	0.116805865	0.119469038	0.122192932
Prj00023-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00023-3UG-PAS											
Prj00023-3UG-PAS	0.017460231	0.017858324	0.018265494	0.018681947	0.019107896	0.019543556	0.019989149	0.020444901	0.020911045	0.021387817	0.021875459
Prj00023-3UG-PAS	-4.389709274	-4.489794645	-4.592161963	-4.696863256	-4.803951738	-4.913481837	-5.025509223	-5.140090834	-5.257284905	-5.377151	-5.499750043
Prj00023-3UG-UGAS	4.799907359	4.909345247	5.021278319	5.135763464	5.252858871	5.37264054	5.495119882	5.620408615	5.748539332	5.879620961	6.013676319
Prj00023-3UG-UGAS											
Prj00023-3UG-UGAS	0.016670833	0.017050928	0.017439689	0.017837314	0.018244005	0.018659968	0.019085415	0.019520563	0.019965632	0.020420848	0.020886443
Prj00023-3UG-UGAS	-4.389709274	-4.489794645	-4.592161963	-4.696863256	-4.803951738	-4.913481837	-5.025509223	-5.140090834	-5.257284905	-5.377151	-5.499750043
Prj00024-3UG-ALT1											
Prj00024-3UG-ALT1	0.004499572	0.004602162	0.004707091	0.004814413	0.004924182	0.005036453	0.005151284	0.005268733	0.005388861	0.005511727	0.005637394
Prj00024-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00024-3UG-PAS											
Prj00024-3UG-PAS	0.000613926	0.000627924	0.00064224	0.000656883	0.00067186	0.000687179	0.000702846	0.000718871	0.000735262	0.000752026	0.000769172
Prj00024-3UG-PAS	-0.313006088	-0.320142627	-0.327441879	-0.334907554	-0.342543446	-0.350353437	-0.358341495	-0.366511681	-0.374868147	-0.383415141	-0.392157006
Prj00024-3UG-UGAS	0.350962856	0.358985265	0.367170129	0.375541608	0.384103957	0.392861527	0.40181877	0.410980238	0.420350587	0.429934581	0.439737089
Prj00024-3UG-UGAS											
Prj00024-3UG-UGAS	0.000613926	0.000627924	0.00064224	0.000656883	0.00067186	0.000687179	0.00070284				

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rru_id	annual_costs_in_year_17	annual_costs_in_year_18	annual_costs_in_year_19	annual_costs_in_year_20	annual_costs_in_year_21	annual_costs_in_year_22	annual_costs_in_year_23	annual_costs_in_year_24	annual_costs_in_year_25	annual_costs_in_year_26	annual_costs_in_year_27
Prj00025-3UG-ALT1											
Prj00025-3UG-ALT1	0.011209465	0.011465041	0.011726444	0.011993807	0.012267266	0.012546959	0.012833303	0.013125623	0.013424887	0.013730975	0.014044404
Prj00025-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00025-3UG-PAS											
Prj00025-3UG-PAS	0.001786875	0.001827616	0.001869286	0.001911906	0.001955497	0.002000082	0.002045684	0.002092326	0.002140031	0.002188823	0.002238729
Prj00025-3UG-PAS	-0.668143699	-0.683377376	-0.69895838	-0.714894631	-0.731194229	-0.747865457	-0.764916789	-0.782356892	-0.800194629	-0.818439067	-0.837099478
Prj00025-3UG-UGAS	0.766669044	0.784149098	0.802027698	0.820313929	0.839017087	0.858146676	0.87771242	0.897724264	0.918192377	0.939127163	0.960539262
Prj00025-3UG-UGAS											
Prj00025-3UG-UGAS	0.001786875	0.001827616	0.001869286	0.001911906	0.001955497	0.002000082	0.002045684	0.002092326	0.002140031	0.002188823	0.002238729
Prj00025-3UG-UGAS	-0.668143699	-0.683377376	-0.69895838	-0.714894631	-0.731194229	-0.747865457	-0.764916789	-0.782356892	-0.800194629	-0.818439067	-0.837099478
Prj00026-3UG-ALT1											
Prj00026-3UG-ALT1	0.013380291	0.013685362	0.013997388	0.014316529	0.014642945	0.014976805	0.015318276	0.015667532	0.016024752	0.016390117	0.016763811
Prj00026-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00026-3UG-PAS											
Prj00026-3UG-PAS	0.001642126	0.001679566	0.00171786	0.001757028	0.001797088	0.001838062	0.001879969	0.001922833	0.001966673	0.002011513	0.002057376
Prj00026-3UG-PAS	-0.906098325	-0.926757367	-0.947887435	-0.969499269	-0.991603852	-1.01421242	-1.037336463	-1.060987734	-1.085178255	-1.109920319	-1.135226502
Prj00026-3UG-UGAS	1.027638304	1.051068457	1.075032818	1.099543566	1.12461316	1.15025434	1.176480139	1.203303886	1.230739214	1.258800068	1.28750071
Prj00026-3UG-UGAS											
Prj00026-3UG-UGAS	0.001642126	0.001679566	0.00171786	0.001757028	0.001797088	0.001838062	0.001879969	0.001922833	0.001966673	0.002011513	0.002057376
Prj00026-3UG-UGAS	-0.906098325	-0.926757367	-0.947887435	-0.969499269	-0.991603852	-1.01421242	-1.037336463	-1.060987734	-1.085178255	-1.109920319	-1.135226502
Prj00027-3UG-ALT1											
Prj00027-3UG-ALT1	0.005210019	0.005328807	0.005450304	0.005574571	0.005701671	0.005831669	0.005964631	0.006100625	0.006239719	0.006381985	0.006527494
Prj00027-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00027-3UG-PAS											
Prj00027-3UG-PAS	0.000653855	0.000668763	0.000684011	0.000699606	0.000715557	0.000731872	0.000748558	0.000765625	0.000783082	0.000800936	0.000819197
Prj00027-3UG-PAS	-0.305746207	-0.31271722	-0.319847173	-0.327139688	-0.334598473	-0.342227319	-0.350030101	-0.358010788	-0.366173434	-0.374522188	-0.383061294
Prj00027-3UG-UGAS	0.333417334	0.341019249	0.348794488	0.356747003	0.364880834	0.373200117	0.38170908	0.390412047	0.399313442	0.408417788	0.417727914
Prj00027-3UG-UGAS											
Prj00027-3UG-UGAS	0.000653855	0.000668763	0.000684011	0.000699606	0.000715557	0.000731872	0.000748558	0.000765625	0.000783082	0.000800936	0.000819197
Prj00027-3UG-UGAS	-0.305746207	-0.31271722	-0.319847173	-0.327139688	-0.334598473	-0.342227319	-0.350030101	-0.358010788	-0.366173434	-0.374522188	-0.383061294
Prj00028-3UG-ALT1											
Prj00028-3UG-ALT1	0.012630374	0.012918347	0.013212885	0.013514139	0.013822261	0.014137409	0.014459742	0.014789424	0.015126623	0.01547151	0.01582426
Prj00028-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00028-3UG-PAS											
Prj00028-3UG-PAS	0.003608331	0.003690601	0.003774747	0.003860811	0.003948837	0.004038871	0.004130957	0.004225143	0.004321476	0.004420006	0.004520782
Prj00028-3UG-PAS	-0.811729668	-0.830237105	-0.849166511	-0.868527507	-0.888329934	-0.908583857	-0.929299569	-0.950487599	-0.972158716	-0.994323935	-1.016994521
Prj00028-3UG-UGAS	1.078568279	1.103159636	1.128311675	1.154037182	1.180349229	1.207261192	1.234786747	1.262939885	1.291734914	1.32118647	1.351309522
Prj00028-3UG-UGAS											
Prj00028-3UG-UGAS	0.001437485	0.00147026	0.001503782	0.001538068	0.001573136	0.001609004	0.001645689	0.001683211	0.001721588	0.00176084	0.001800987
Prj00028-3UG-UGAS	-0.811729668	-0.830237105	-0.849166511	-0.868527507	-0.888329934	-0.908583857	-0.929299569	-0.950487599	-0.972158716	-0.994323935	-1.016994521

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rru_id	annual_costs_in_year_28	annual_costs_in_year_29	annual_costs_in_year_30	annual_costs_in_year_31	annual_costs_in_year_32	annual_costs_in_year_33	annual_costs_in_year_34	annual_costs_in_year_35	annual_costs_in_year_36	annual_costs_in_year_37	annual_costs_in_year_38
Prj00001-3UG-ALT1											
Prj00001-3UG-ALT1	0.015426359	0.01577808	0.01613782	0.016505763	0.016882094	0.017267006	0.017660693	0.018063357	0.018475202	0.018896436	0.019327275
Prj00001-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00001-3UG-PAS											
Prj00001-3UG-PAS	0.002321747	0.002374683	0.002428626	0.002484203	0.002540843	0.002598774	0.002658026	0.002718629	0.002780614	0.002844012	0.002908855
Prj00001-3UG-PAS	-1.981083404	-2.036490333	-2.082922313	-2.130412942	-2.178986357	-2.228667246	-2.279480859	-2.331453023	-2.384610151	-2.438979263	-2.49458799
Prj00001-3UG-UGAS	2.186100736	2.235943832	2.286923352	2.339065204	2.392395891	2.446942517	2.502732807	2.559795115	2.618158443	2.677852456	2.738907492
Prj00001-3UG-UGAS											
Prj00001-3UG-UGAS	0.002321747	0.002374683	0.002428626	0.002484203	0.002540843	0.002598774	0.002658026	0.002718629	0.002780614	0.002844012	0.002908855
Prj00001-3UG-UGAS	-1.991093404	-2.036490333	-2.082922313	-2.130412942	-2.178986357	-2.228667246	-2.279480859	-2.331453023	-2.384610151	-2.438979263	-2.49458799
Prj00002-3UG-ALT1											
Prj00002-3UG-ALT1	0.012998606	0.013294974	0.013598099	0.013908136	0.014225241	0.014549577	0.014881307	0.015220601	0.015567631	0.015922573	0.016285607
Prj00002-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00002-3UG-PAS											
Prj00002-3UG-PAS	0.001865106	0.00190763	0.001951124	0.00199561	0.002041109	0.002087647	0.002135245	0.002183929	0.002233722	0.002284651	0.002336741
Prj00002-3UG-PAS	-0.495204985	-0.506495658	-0.518043759	-0.529855157	-0.541935854	-0.554291992	-0.566929849	-0.57985585	-0.593076563	-0.606598709	-0.62042916
Prj00002-3UG-UGAS	0.990426138	1.013007854	1.036104433	1.059727615	1.083889404	1.108602083	1.13387821	1.159730633	1.186172492	1.213217225	1.240878577
Prj00002-3UG-UGAS											
Prj00002-3UG-UGAS	0.001865106	0.00190763	0.001951124	0.00199561	0.002041109	0.002087647	0.002135245	0.002183929	0.002233722	0.002284651	0.002336741
Prj00002-3UG-UGAS	-0.495204985	-0.506495658	-0.518043759	-0.529855157	-0.541935854	-0.554291992	-0.566929849	-0.57985585	-0.593076563	-0.606598709	-0.62042916
Prj00003-3UG-ALT1											
Prj00003-3UG-ALT1	0.042232866	0.043195775	0.044180639	0.045187958	0.046218243	0.047272019	0.048349821	0.049452197	0.050597907	0.051732924	0.052912435
Prj00003-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00003-3UG-PAS											
Prj00003-3UG-PAS	0.007368197	0.007536192	0.007708017	0.00788376	0.00806351	0.008247358	0.008435398	0.008627725	0.008824437	0.009025634	0.009231418
Prj00003-3UG-PAS	-2.462911526	-2.519065909	-2.576500612	-2.635244826	-2.695328408	-2.756781895	-2.819636522	-2.883924235	-2.949677708	-3.016930359	-3.085716372
Prj00003-3UG-UGAS	2.828824152	2.893321342	2.959289069	3.02676086	3.095771007	3.166354586	3.238547471	3.312386353	3.387908762	3.465153082	3.544158572
Prj00003-3UG-UGAS											
Prj00003-3UG-UGAS	0.007368197	0.007536192	0.007708017	0.00788376	0.00806351	0.008247358	0.008435398	0.008627725	0.008824437	0.009025634	0.009231418
Prj00003-3UG-UGAS	-2.462911526	-2.519065909	-2.576500612	-2.635244826	-2.695328408	-2.756781895	-2.819636522	-2.883924235	-2.949677708	-3.016930359	-3.085716372
Prj00004-3UG-ALT1											
Prj00004-3UG-ALT1	0.002174855	0.002224442	0.002275159	0.002327033	0.002380089	0.002434355	0.002489859	0.002546627	0.002604691	0.002664078	0.002724819
Prj00004-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00004-3UG-PAS											
Prj00004-3UG-PAS	0.000307007	0.000314006	0.000321166	0.000328488	0.000335978	0.000343638	0.000351473	0.000359487	0.000367683	0.000376086	0.000384641
Prj00004-3UG-PAS	-0.088297315	-0.090310494	-0.092369573	-0.094475599	-0.096629643	-0.098832799	-0.101086187	-0.103390952	-0.105748265	-0.108159326	-0.110625359
Prj00004-3UG-UGAS	0.099809577	0.102085235	0.104412778	0.10679339	0.109228279	0.111718684	0.11426587	0.116871132	0.119535793	0.122261209	0.125048765
Prj00004-3UG-UGAS											
Prj00004-3UG-UGAS	0.000307007	0.000314006	0.000321166	0.000328488	0.000335978	0.000343638	0.000351473	0.000359487	0.000367683	0.000376086	0.000384641
Prj00004-3UG-UGAS	-0.088297315	-0.090310494	-0.092369573	-0.094475599	-0.096629643	-0.098832799	-0.101086187	-0.103390952	-0.105748265	-0.108159326	-0.110625359
Prj00005-3UG-ALT1											
Prj00005-3UG-ALT1	0.02867787	0.029331726	0.0306845	0.031384107	0.032099664	0.032831537	0.033580096	0.034345722	0.035128804	0.035929741	0.036750001
Prj00005-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00005-3UG-PAS											
Prj00005-3UG-PAS	0.004214965	0.004311066	0.004409358	0.004508991	0.004612717	0.004717887	0.004825455	0.004935475	0.005048004	0.005163098	0.005280817
Prj00005-3UG-PAS	-2.255955088	-2.307390864	-2.359999376	-2.413807362	-2.468842169	-2.525313771	-2.582704775	-2.641590444	-2.701818706	-2.763420173	-2.826428153
Prj00005-3UG-UGAS	2.366609058	2.420567744	2.475756689	2.532203941	2.589983819	2.648988782	2.7093985726	2.7711599721	2.834342162	2.898965163	2.965061569
Prj00005-3UG-UGAS											
Prj00005-3UG-UGAS	0.004214965	0.004311066	0.004409358	0.004508991	0.004612717	0.004717887	0.004825455	0.004935475	0.005048004	0.005163098	0.005280817
Prj00005-3UG-UGAS	-2.255955088	-2.307390864	-2.359999376	-2.413807362	-2.468842169	-2.525313771	-2.582704775	-2.641590444	-2.701818706	-2.763420173	-2.826428153
Prj00006-3UG-ALT1											
Prj00006-3UG-ALT1	0.006221118	0.00636296	0.006508035	0.006656418	0.006808185	0.006963411	0.007122177	0.007284563	0.007450651	0.007620526	0.007794274
Prj00006-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00006-3UG-PAS											
Prj00006-3UG-PAS	0.00310219	0.00317292	0.003245263	0.003319255	0.003394934	0.003472338	0.003551508	0.003632482	0.003715303	0.003800011	0.003886652
Prj00006-3UG-PAS	-0.09946009	-0.10172778	-0.104047173	-0.106419449	-0.108845812	-0.111327497	-0.113865763	-0.116461903	-0.119117234	-0.121833107	-0.124610902
Prj00006-3UG-UGAS	0.282566786	0.288553309	0.294676325	0.280938945	0.287344353	0.293895804	0.300596628	0.307450231	0.314460097	0.321629787	0.328962946
Prj00006-3UG-UGAS											
Prj00006-3UG-UGAS	0.000370968	0.000379426	0.000388077	0.000396925	0.000405975	0.000415231	0.000424698	0.000434381	0.000444285	0.000454415	0.000464775
Prj00006-3UG-UGAS	-0.09946009	-0.10172778	-0.104047173	-0.106419449	-0.108845812	-0.111327497	-0.113865763	-0.116461903	-0.119117234	-0.121833107	-0.124610902
Prj00007-3UG-ALT1											
Prj00007-3UG-ALT1	0.041423631	0.04236809	0.043334083	0.0443221	0.045332644	0.046366228	0.047423378	0.048504631	0.049610536	0.050741657	0.051898566
Prj00007-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00007-3UG-PAS											
Prj00007-3UG-PAS	0.036240921	0.037067214	0.037912346	0.038776748	0.039660858	0.040565125	0.04149001	0.042435982	0.043405253	0.044393123	0.045405286
Prj00007-3UG-PAS	-0.115188287	-0.11781458	-0.120500752	-0.123248169	-0.126058228	-0.128932355	-0.131872013	-0.134878695	-0.137953929	-0.141099279	-0.144316342
Prj00007-3UG-UGAS	1.06317578	1.087416187	1.112209277	1.137567648	1.16350419	1.19032086	1.217164818	1.244916175	1.273300264	1.30233151	1.332024669
Prj00007-3UG-UGAS											
Prj00007-3UG-UGAS	0.000684373	0.000699976	0.000715936	0.000732259	0.000748955	0.000766031	0.000783496	0.00080136	0.000819631	0.000838319	0.000857432
Prj00007-3UG-UGAS	-0.115188287	-0.11781458	-0.120500752	-0.123248169	-0.126058228	-0.128932355	-0.131872013	-0.134878695	-0.137953929	-0.141099279	-0.144316342
Prj00008-3UG-ALT1											
Prj00008-3UG-ALT1	0.094429661	0.096582657	0.098784741	0.101037034	0.103340678	0.105696845	0.108106733	0.110571567	0.113092599	0.11567111	0.118308411

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rru_id	annual_costs_in_year_28	annual_costs_in_year_29	annual_costs_in_year_30	annual_costs_in_year_31	annual_costs_in_year_32	annual_costs_in_year_33	annual_costs_in_year_34	annual_costs_in_year_35	annual_costs_in_year_36	annual_costs_in_year_37	annual_costs_in_year_38
Prj00008-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00008-3UG-PAS											
Prj00008-3UG-PAS	0.059657287	0.061017473	0.062408671	0.063831589	0.065286949	0.066775491	0.068297973	0.069855166	0.071447864	0.073076876	0.074743028
Prj00008-3UG-PAS	-0.501030838	-0.512454342	-0.524138301	-0.536088654	-0.548311475	-0.560812977	-0.573599513	-0.586677582	-0.60005383	-0.613735058	-0.627728217
Prj00008-3UG-UGAS	1.745825722	1.785630549	1.826342925	1.867983544	1.910573569	1.954134646	1.998688916	2.044259023	2.090868129	2.138539922	2.187298633
Prj00008-3UG-UGAS											
Prj00008-3UG-UGAS	0.009534205	0.009751585	0.009973921	0.010201326	0.010433916	0.01067181	0.010915127	0.011163992	0.011418531	0.011678873	0.011945152
Prj00008-3UG-UGAS	-0.501030838	-0.512454342	-0.524138301	-0.536088654	-0.548311475	-0.560812977	-0.573599513	-0.586677582	-0.60005383	-0.613735058	-0.627728217
Prj00009-3UG-ALT1											
Prj00009-3UG-ALT1	0.035354203	0.036160279	0.036984733	0.037827985	0.038690463	0.039572606	0.040474861	0.041397688	0.042341556	0.043306943	0.044294341
Prj00009-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00009-3UG-PAS											
Prj00009-3UG-PAS	0.007884725	0.008064497	0.008248368	0.00843643	0.008628781	0.008825517	0.009026739	0.009232549	0.009443051	0.009658352	0.009878563
Prj00009-3UG-PAS	-1.94941151	-1.993858093	-2.039318057	-2.085814509	-2.13337108	-2.182011941	-2.231761813	-2.282645982	-2.334690311	-2.38792125	-2.442365854
Prj00009-3UG-UGAS	2.417369457	2.472485481	2.52858515	2.586516115	2.645488683	2.705805825	2.767498198	2.830597157	2.895134772	2.961143845	3.028657924
Prj00009-3UG-UGAS											
Prj00009-3UG-UGAS	0.005558125	0.005684851	0.005814465	0.005947035	0.006082627	0.006221311	0.006363157	0.006508237	0.006656625	0.006808396	0.006963627
Prj00009-3UG-UGAS	-1.94941151	-1.993858093	-2.039318057	-2.085814509	-2.13337108	-2.182011941	-2.231761813	-2.282645982	-2.334690311	-2.38792125	-2.442365854
Prj00010-3UG-ALT1											
Prj00010-3UG-ALT1	0.039552192	0.040453982	0.041376333	0.042319714	0.043284603	0.044271492	0.045280882	0.046313286	0.047369229	0.048449248	0.04955389
Prj00010-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00010-3UG-PAS											
Prj00010-3UG-PAS	0.010875146	0.011123099	0.011376706	0.011638094	0.011901397	0.012172749	0.012450288	0.012734154	0.013024493	0.013321452	0.013625181
Prj00010-3UG-PAS	-0.709899235	-0.726084937	-0.742639674	-0.759571859	-0.776890097	-0.794603191	-0.812720144	-0.831250163	-0.850202667	-0.869587288	-0.889413878
Prj00010-3UG-UGAS	1.109076072	1.134363007	1.160226483	1.186679647	1.213735943	1.241409123	1.269713251	1.298662713	1.328272222	1.358556829	1.389531925
Prj00010-3UG-UGAS											
Prj00010-3UG-UGAS	0.005008068	0.005122252	0.00523904	0.00535849	0.005480663	0.005604523	0.005733431	0.005864153	0.005997856	0.006134607	0.006274476
Prj00010-3UG-UGAS	-0.709899235	-0.726084937	-0.742639674	-0.759571859	-0.776890097	-0.794603191	-0.812720144	-0.831250163	-0.850202667	-0.869587288	-0.889413878
Prj00011-3UG-ALT1											
Prj00011-3UG-ALT1	0.024328148	0.024882829	0.025450158	0.026030422	0.026623915	0.02723094	0.027851806	0.028486827	0.029136327	0.029800635	0.030480089
Prj00011-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00011-3UG-PAS											
Prj00011-3UG-PAS	0.003831206	0.003918557	0.0040079	0.00409928	0.004192744	0.004288339	0.004386113	0.004486116	0.0045884	0.004693015	0.004800016
Prj00011-3UG-PAS	-1.663717599	-1.70165036	-1.740447988	-1.780130203	-1.820717171	-1.862229523	-1.904688356	-1.94811525	-1.992532278	-2.037962014	-2.084427548
Prj00011-3UG-UGAS	3.416405443	3.494299487	3.573969515	3.65454602	3.73800417	3.824045067	3.911233294	4.004009413	4.091618748	4.184907655	4.28032355
Prj00011-3UG-UGAS											
Prj00011-3UG-UGAS	0.003831206	0.003918557	0.0040079	0.00409928	0.004192744	0.004288339	0.004386113	0.004486116	0.0045884	0.004693015	0.004800016
Prj00011-3UG-UGAS	-1.663717599	-1.70165036	-1.740447988	-1.780130203	-1.820717171	-1.862229523	-1.904688356	-1.94811525	-1.992532278	-2.037962014	-2.084427548
Prj00012-3UG-ALT1											
Prj00012-3UG-ALT1	0.024530468	0.025089762	0.025661809	0.026246898	0.026845327	0.027457401	0.02808343	0.028723732	0.029378633	0.030048466	0.030733571
Prj00012-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00012-3UG-PAS											
Prj00012-3UG-PAS	0.010307495	0.010542506	0.010782875	0.011028724	0.011280179	0.011537367	0.011800419	0.012069469	0.012344653	0.01262611	0.012913986
Prj00012-3UG-PAS	-0.853512847	-0.87297294	-0.892876723	-0.913234312	-0.934056055	-0.955352533	-0.97713457	-0.999413239	-1.02219986	-1.045506017	-1.069343554
Prj00012-3UG-UGAS	1.288887295	1.318273925	1.348330571	1.379072508	1.410515361	1.442675111	1.475568104	1.509211057	1.543621069	1.578815629	1.614812625
Prj00012-3UG-UGAS											
Prj00012-3UG-UGAS	0.003479427	0.003558757	0.003639897	0.003722887	0.003807769	0.003894586	0.003983382	0.004074203	0.004167095	0.004262105	0.004359281
Prj00012-3UG-UGAS	-0.853512847	-0.87297294	-0.892876723	-0.913234312	-0.934056055	-0.955352533	-0.97713457	-0.999413239	-1.02219986	-1.045506017	-1.069343554
Prj00013-3UG-ALT1											
Prj00013-3UG-ALT1	0.039046423	0.039936682	0.040847238	0.041778555	0.042731106	0.043705375	0.044701858	0.04572106	0.046763501	0.047829708	0.048920226
Prj00013-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00013-3UG-PAS											
Prj00013-3UG-PAS	0.006785569	0.00694028	0.007098519	0.007260365	0.007425901	0.007595212	0.007768382	0.007945502	0.008126659	0.008311947	0.008501459
Prj00013-3UG-PAS	-1.463527107	-1.496895525	-1.531024743	-1.565932107	-1.601635359	-1.638152645	-1.675502526	-1.713703983	-1.752776434	-1.792739737	-1.833614203
Prj00013-3UG-UGAS	1.736971033	1.776573972	1.817079859	1.85850928	1.900863291	1.94422343	1.988551724	2.033890704	2.080263412	2.127693418	2.176204627
Prj00013-3UG-UGAS											
Prj00013-3UG-UGAS	0.006734991	0.006888549	0.007045608	0.007206247	0.00737055	0.007538598	0.007710478	0.007886277	0.008066084	0.008249991	0.008438091
Prj00013-3UG-UGAS	-1.463527107	-1.496895525	-1.531024743	-1.565932107	-1.601635359	-1.638152645	-1.675502526	-1.713703983	-1.752776434	-1.792739737	-1.833614203
Prj00014-3UG-ALT1											
Prj00014-3UG-ALT1	0.006372877	0.006518179	0.006666794	0.006818796	0.006974265	0.007133278	0.007295917	0.007462264	0.007632403	0.007806422	0.007984409
Prj00014-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00014-3UG-PAS											
Prj00014-3UG-PAS	0.000805898	0.000824273	0.000843066	0.000862288	0.000881948	0.000902057	0.000922624	0.000943659	0.000965175	0.000987181	0.001009689
Prj00014-3UG-PAS	-0.353668649	-0.361730453	-0.369977907	-0.378413403	-0.387041229	-0.395865769	-0.404891508	-0.414123035	-0.42336504	-0.432722323	-0.442099792
Prj00014-3UG-UGAS	0.409735898	0.419077877	0.428632852	0.438405681	0.448401331	0.458624881	0.469081529	0.479776587	0.490715494	0.501903807	0.513347214
Prj00014-3UG-UGAS											
Prj00014-3UG-UGAS	0.000805898	0.000824273	0.000843066	0.000862288	0.000881948	0.000902057	0.000922624	0.000943659	0.000965175	0.000987181	0.001009689
Prj00014-3UG-UGAS	-0.353668649	-0.361730453	-0.369977907	-0.378413403	-0.387041229	-0.395865769	-0.404891508	-0.414123035	-0.42336504	-0.432722323	-0.442099792
Prj00015-3UG-ALT1											
Prj00015-3UG-ALT1	0.115419635	0.118051203	0.12074277	0.123495705	0.126311408	0.129191308	0.132136869	0.13514959	0.138231001	0.141382668	0.144606192
Prj00015-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00015-3UG-PAS											
Prj00015-3UG-PAS	0.034183894	0.034963287	0.03576045	0.036575788	0.037409716	0.038262658	0.039135046	0.040027325	0.040939948	0.041873379	0.042828092
Prj00015-3UG-PAS	-1.912269717	-1.955869466	-2.00046329	-2.046073853	-2.092724337	-2.14038452	-2.189240449	-2.239155131	-2.290207868	-2.342424607	-2.395831888
Prj00015-3UG-UGAS	2.902118565	2.968286868	3.035963808	3.105183783	3.175981974	3.248394363	3.322457754	3.398209791	3.475888974	3.554934683	3.635987193
Prj00015-3UG-UGAS											
Prj00015-3UG-UGAS	0.015166461	0.015512256	0.015865936	0.016222769	0.01659767	0.016976097	0.017363152	0.017759032	0.018163938	0.018578076	0.019001656
Prj00015-3UG-UGAS	-1.912269717	-1.955869466	-2.00046329	-2.046073853	-2.092724337	-2.14038452	-2.189240449	-2.239155131	-2.290207868	-2.342424607	-2.395831888
Prj00016-3UG-ALT1											
Prj00016-3UG-ALT1	0.129986163	0.132949847	0.135981104	0.139081473	0.142252531	0.145495888	0.148813195	0.152206135	0.155676435	0.159225858	0.162856208
Prj00016-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00016-3UG-PAS											
Prj00016-3UG-PAS	0.124260321	0.127093457	0.129991187	0.132954987	0.13598636	0.139086849	0.142258029	0.145501512	0.148818947	0.152212019	0.155682453
Prj00016-3UG-PAS	-0.13129201	-0.13428546									

SPD-37
Pacific Gas and Electric Company
Electrical Undergrounding Program
SPD-37 Table 7: Annual Costs (Capital and O&M) and O&M Savings

rru_id	annual_costs_in_year_28	annual_costs_in_year_29	annual_costs_in_year_30	annual_costs_in_year_31	annual_costs_in_year_32	annual_costs_in_year_33	annual_costs_in_year_34	annual_costs_in_year_35	annual_costs_in_year_36	annual_costs_in_year_37	annual_costs_in_year_38
Proj00016-3UG-UGAS	3.038049852	3.107317389	3.178164225	3.250626369	3.324740651	3.400544737	3.478077158	3.557377317	3.63848552	3.721442989	3.80629189
Proj00016-3UG-UGAS											
Proj00016-3UG-UGAS	0.001355117	0.001386014	0.001417615	0.001449936	0.001482995	0.001516807	0.00155139	0.001586762	0.00162294	0.001659943	0.00169779
Proj00016-3UG-UGAS	-0.13129201	-0.134285468	-0.137347176	-0.140478692	-0.143681606	-0.146957547	-0.150308179	-0.153735205	-0.157240368	-0.160825448	-0.164492269
Proj00017-3UG-ALT1											
Proj00017-3UG-ALT1	0.036669235	0.037505294	0.038360414	0.039235032	0.040129591	0.041044545	0.041980361	0.042937513	0.043916488	0.044917784	0.04594191
Proj00017-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Proj00017-3UG-PAS											
Proj00017-3UG-PAS	0.024241911	0.024794626	0.025359944	0.02593815	0.02652954	0.027134414	0.027753078	0.028385849	0.029033046	0.029694999	0.030372045
Proj00017-3UG-PAS	-0.62007716	-0.634214919	-0.648675019	-0.66346481	-0.678591807	-0.694063701	-0.726073807	-0.726073807	-0.74262829	-0.759560215	-0.776878188
Proj00017-3UG-UGAS	1.855966422	1.898262456	1.941563296	1.985830939	2.031107885	2.077417145	2.124782256	2.173227291	2.222776873	2.273456186	2.325290967
Proj00017-3UG-UGAS											
Proj00017-3UG-UGAS	0.002392104	0.002446644	0.002502428	0.002559483	0.002617838	0.002677526	0.002801013	0.002864876	0.002930196	0.002997004	
Proj00017-3UG-UGAS	-0.62007716	-0.634214919	-0.648675019	-0.66346481	-0.678591807	-0.694063701	-0.709888353	-0.726073807	-0.74262829	-0.759560215	-0.776878188
Proj00018-3UG-ALT1											
Proj00018-3UG-ALT1	0.011885887	0.012156885	0.012434062	0.012717558	0.013007519	0.01330409	0.013607423	0.013917673	0.014234996	0.014559554	0.014891511
Proj00018-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Proj00018-3UG-PAS											
Proj00018-3UG-PAS	0.001573416	0.00160929	0.001645981	0.00168351	0.001721894	0.001761153	0.001801307	0.001842377	0.001884383	0.001927347	0.001971291
Proj00018-3UG-PAS	-0.497872821	-0.509224322	-0.520834636	-0.532709666	-0.544855446	-0.55727815	-0.569964092	-0.582979729	-0.596271667	-0.609866661	-0.623771621
Proj00018-3UG-UGAS	0.691377185	0.707140585	0.723263391	0.739753796	0.756620182	0.773871123	0.791515384	0.809561935	0.828019947	0.846898802	0.866208095
Proj00018-3UG-UGAS											
Proj00018-3UG-UGAS	0.001573416	0.00160929	0.001645981	0.00168351	0.001721894	0.001761153	0.001801307	0.001842377	0.001884383	0.001927347	0.001971291
Proj00018-3UG-UGAS	-0.497872821	-0.509224322	-0.520834636	-0.532709666	-0.544855446	-0.55727815	-0.569964092	-0.582979729	-0.596271667	-0.609866661	-0.623771621
Proj00019-3UG-ALT1											
Proj00019-3UG-ALT1	0.043143273	0.04412694	0.045133034	0.046162067	0.047214563	0.048291055	0.049392091	0.05051823	0.051670046	0.052848123	0.05405306
Proj00019-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Proj00019-3UG-PAS											
Proj00019-3UG-PAS	0.007176317	0.007339637	0.007507287	0.007678453	0.007853522	0.008032593	0.008215725	0.008403044	0.008594633	0.008790591	0.008991016
Proj00019-3UG-PAS	-2.012416137	-2.058299225	-2.105228447	-2.153227656	-2.202321247	-2.252534171	-2.30389195	-2.356420687	-2.410147078	-2.465098432	-2.521302676
Proj00019-3UG-UGAS	2.391321889	2.445844028	2.501609272	2.558645964	2.616983092	2.676650306	2.737677833	2.80009699	2.863939201	2.929237015	2.996023619
Proj00019-3UG-UGAS											
Proj00019-3UG-UGAS	0.007176317	0.007339637	0.007507287	0.007678453	0.007853522	0.008032593	0.008215725	0.008403044	0.008594633	0.008790591	0.008991016
Proj00019-3UG-UGAS	-2.012416137	-2.058299225	-2.105228447	-2.153227656	-2.202321247	-2.252534171	-2.30389195	-2.356420687	-2.410147078	-2.465098432	-2.521302676
Proj00020-3UG-ALT1											
Proj00020-3UG-ALT1	0.024783374	0.025348435	0.025926379	0.026517501	0.0271221	0.027740484	0.028372967	0.02901987	0.029681523	0.030358262	0.03105043
Proj00020-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Proj00020-3UG-PAS											
Proj00020-3UG-PAS	0.003511409	0.003591469	0.003673354	0.003757107	0.003842769	0.003930384	0.004019997	0.004111653	0.004205398	0.004301281	0.004399351
Proj00020-3UG-PAS	-1.73762027	-1.777238012	-1.817759039	-1.859203945	-1.901593795	-1.944950134	-1.989294997	-2.034650923	-2.081040964	-2.128486968	-2.17701824
Proj00020-3UG-UGAS	1.910457321	1.954015748	1.998567307	2.044134641	2.090740911	2.138409804	2.187165547	2.237032922	2.288037272	2.340204522	2.393661185
Proj00020-3UG-UGAS											
Proj00020-3UG-UGAS	0.003511409	0.003591469	0.003673354	0.003757107	0.003842769	0.003930384	0.004019997	0.004111653	0.004205398	0.004301281	0.004399351
Proj00020-3UG-UGAS	-1.73762027	-1.777238012	-1.817759039	-1.859203945	-1.901593795	-1.944950134	-1.989294997	-2.034650923	-2.081040964	-2.128486968	-2.17701824
Proj00021-3UG-ALT1											
Proj00021-3UG-ALT1	0.101105971	0.103411188	0.105768963	0.108180495	0.11064701	0.113169786	0.115750033	0.118389133	0.121088406	0.123849221	0.126672984
Proj00021-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Proj00021-3UG-PAS											
Proj00021-3UG-PAS	0.014966648	0.015307888	0.015656908	0.016013885	0.016379002	0.016752443	0.017134399	0.017525063	0.017924634	0.018333316	0.018751316
Proj00021-3UG-PAS	-2.531892337	-2.589619482	-2.648662807	-2.709052319	-2.770818711	-2.833993378	-2.898608427	-2.964696699	-3.032291784	-3.101428037	-3.172140596
Proj00021-3UG-UGAS	2.985681689	3.054675751	3.124322358	3.195556908	3.268415606	3.342935482	3.419115411	3.497111131	3.576845265	3.658397337	3.741808796
Proj00021-3UG-UGAS											
Proj00021-3UG-UGAS	0.014966648	0.015307888	0.015656908	0.016013885	0.016379002	0.016752443	0.017134399	0.017525063	0.017924634	0.018333316	0.018751316
Proj00021-3UG-UGAS	-2.531892337	-2.589619482	-2.648662807	-2.709052319	-2.770818711	-2.833993378	-2.898608427	-2.964696699	-3.032291784	-3.101428037	-3.172140596
Proj00022-3UG-ALT1											
Proj00022-3UG-ALT1	0.012189365	0.012467282	0.012751536	0.013042271	0.013339635	0.013643779	0.013954857	0.014273027	0.014598453	0.014931297	0.015271731
Proj00022-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Proj00022-3UG-PAS											
Proj00022-3UG-PAS	0.010952261	0.011201972	0.011457377	0.011718606	0.01198579	0.012259066	0.012538573	0.012824452	0.01311685	0.013415914	0.013721797
Proj00022-3UG-PAS	-0.025912407	-0.02650321	-0.027107483	-0.027725534	-0.028357676	-0.029004231	-0.029665528	-0.0303341902	-0.031033697	-0.031741265	-0.032464966
Proj00022-3UG-UGAS	0.282850562	0.289299555	0.295895585	0.302642004	0.309542242	0.316599805	0.32381828	0.331201337	0.338752728	0.34647629	0.354375949
Proj00022-3UG-UGAS											
Proj00022-3UG-UGAS	0.000179088	0.000183171	0.000187348	0.000191619	0.000195988	0.000200457	0.000205027	0.000209702	0.000214483	0.000219373	0.000224375
Proj00022-3UG-UGAS	-0.025912407	-0.02650321	-0.027107483	-0.027725534	-0.028357676	-0.029004231	-0.029665528	-0.0303341902	-0.031033697	-0.031741265	-0.032464966
Proj00023-3UG-ALT1											
Proj00023-3UG-ALT1	0.124978931	0.127828451	0.13074294	0.133723879	0.136772783	0.139891203	0.143080722	0.146342962	0.149679582	0.153092276	0.156585278
Proj00023-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Proj00023-3UG-PAS											
Proj00023-3UG-PAS	0.02237422	0.022884352	0.023406115	0.023939775	0.024485601	0.025043873	0.025614874	0.026198893	0.026796227	0.027407181	0.028032065
Proj00023-3UG-PAS	-5.625144344	-5.753397635	-5.884575101	-6.018743414	-6.155970764	-6.296326897	-6.43988315	-6.586712486	-6.736889531	-6.890490612	-7.047593798
Proj00023-3UG-UGAS	6.150788139	6.291026109	6.434661504	6.581167226	6.731217839	6.884689606	7.041660529	7.20210389	7.366420786	7.53437518	7.706158934
Proj00023-3UG-UGAS											
Proj00023-3UG-UGAS	0.021362654	0.021849723	0.022347896	0.022857428	0.023378578	0.023911609	0.024456794	0.025014409	0.025584737	0.026168089	0.026764701
Proj00023-3UG-UGAS	-5.625144344	-5.753397635	-5.884575101	-6.018743414	-6.155970764	-6.296326897	-6.43988315	-6.586712486	-6.736889531	-6.890490612	-7.047593798
Proj00024-3UG-ALT1											
Proj00024-3UG-ALT1	0.005765927	0.00589739	0.00603185	0.006169376	0.006310038	0.006453907	0.006601056	0.00675156	0.006905496	0.007062941	0.007223976
Proj00024-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Proj00024-3UG-PAS											
Proj00024-3UG-PAS	0.000786709	0.000804646	0.000822992	0.000841756	0.000860948	0.000880578	0.000900655	0.00092119	0.000942193	0.000963675	0.000985647
Proj00024-3UG-PAS	-0.401098186	-0.410243225	-0.41959677	-0.429163577	-0.438948506	-0.448956532	-0.459192741	-0.469662336	-0.480370637	-0.491323087	-0.502525254
Proj00024-3UG-UGAS	0.449763095	0.460017693	0.470506097	0.481233636	0.492205762	0.503428054	0.514906214	0.526646075	0.538653906	0.550934908	0.563496224
Proj00024-3UG-UGAS											
Proj00024-3UG-UGAS	0.000786709	0.000804646	0.000822992	0.000841756	0.000860948	0.000880578	0.000900655	0.00092119	0.000942193	0.000963675	0.000985647
Proj00024-3UG-UGAS	-0.401										

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SPD-37 Table 7: Annual Costs (Capital and O&M) and O&M Savings

rru_id	annual_costs_in_year_28	annual_costs_in_year_29	annual_costs_in_year_30	annual_costs_in_year_31	annual_costs_in_year_32	annual_costs_in_year_33	annual_costs_in_year_34	annual_costs_in_year_35	annual_costs_in_year_36	annual_costs_in_year_37	annual_costs_in_year_38
Prj00025-3UG-ALT1											
Prj00025-3UG-ALT1	0.014364245	0.01469175	0.015026722	0.015369331	0.015719752	0.016078162	0.016444744	0.016819685	0.017203173	0.017595406	0.017996581
Prj00025-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00025-3UG-PAS											
Prj00025-3UG-PAS	0.002289772	0.002341978	0.002395376	0.00244999	0.00250585	0.002562983	0.002621419	0.002681188	0.002742319	0.002804844	0.002868794
Prj00025-3UG-PAS	-0.856185346	-0.875706372	-0.895672477	-0.916093809	-0.936980748	-0.958343909	-0.98019415	-1.002542577	-1.025400548	-1.04877968	-1.072691857
Prj00025-3UG-UGAS	0.982439557	1.004839179	1.027749513	1.051182202	1.075149156	1.099662557	1.124734863	1.150378818	1.176607455	1.203434105	1.230872402
Prj00025-3UG-UGAS											
Prj00025-3UG-UGAS	0.002289772	0.002341978	0.002395376	0.00244999	0.00250585	0.002562983	0.002621419	0.002681188	0.002742319	0.002804844	0.002868794
Prj00025-3UG-UGAS	-0.856185346	-0.875706372	-0.895672477	-0.916093809	-0.936980748	-0.958343909	-0.98019415	-1.002542577	-1.025400548	-1.04877968	-1.072691857
Prj00026-3UG-ALT1											
Prj00026-3UG-ALT1	0.017146026	0.017536956	0.017936798	0.018345757	0.01876404	0.01919186	0.019629435	0.020076986	0.020534741	0.021002933	0.0214818
Prj00026-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00026-3UG-PAS											
Prj00026-3UG-PAS	0.002104284	0.002152262	0.002201333	0.002251524	0.002302858	0.002355364	0.002409066	0.002463993	0.002520172	0.002577632	0.002636402
Prj00026-3UG-PAS	-1.161109666	-1.187582967	-1.214659858	-1.242354103	-1.270679777	-1.299651276	-1.329283325	-1.359590985	-1.390589659	-1.422295103	-1.454723432
Prj00026-3UG-UGAS	1.316855726	1.346880037	1.377588902	1.408997929	1.441123081	1.473980688	1.507587447	1.541960441	1.577117139	1.61307541	1.649853529
Prj00026-3UG-UGAS											
Prj00026-3UG-UGAS	0.002104284	0.002152262	0.002201333	0.002251524	0.002302858	0.002355364	0.002409066	0.002463993	0.002520172	0.002577632	0.002636402
Prj00026-3UG-UGAS	-1.161109666	-1.187582967	-1.214659858	-1.242354103	-1.270679777	-1.299651276	-1.329283325	-1.359590985	-1.390589659	-1.422295103	-1.454723432
Prj00027-3UG-ALT1											
Prj00027-3UG-ALT1	0.006676321	0.006828541	0.006984232	0.007143472	0.007306344	0.007472928	0.007643311	0.007817578	0.007995819	0.008178124	0.008364585
Prj00027-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00027-3UG-PAS											
Prj00027-3UG-PAS	0.000837875	0.000856979	0.000876518	0.000896502	0.000916943	0.000937849	0.000959232	0.000981102	0.001003471	0.001026351	0.001049751
Prj00027-3UG-PAS	-0.391795091	-0.400728019	-0.409864618	-0.419209532	-0.428767509	-0.438543408	-0.448542198	-0.45876896	-0.469228892	-0.479927311	-0.490869654
Prj00027-3UG-UGAS	0.427253951	0.436995341	0.446958835	0.457149496	0.467572505	0.478233158	0.489136874	0.500289195	0.511695788	0.523362452	0.535295116
Prj00027-3UG-UGAS											
Prj00027-3UG-UGAS	0.000837875	0.000856979	0.000876518	0.000896502	0.000916943	0.000937849	0.000959232	0.000981102	0.001003471	0.001026351	0.001049751
Prj00027-3UG-UGAS	-0.391795091	-0.400728019	-0.409864618	-0.419209532	-0.428767509	-0.438543408	-0.448542198	-0.45876896	-0.469228892	-0.479927311	-0.490869654
Prj00028-3UG-ALT1											
Prj00028-3UG-ALT1	0.016185053	0.016554072	0.016931505	0.017317544	0.017712384	0.018116226	0.018529276	0.018951743	0.019383843	0.019825795	0.020277823
Prj00028-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00028-3UG-PAS											
Prj00028-3UG-PAS	0.004623856	0.00472928	0.004837107	0.004947393	0.005060194	0.005175566	0.005293569	0.005414262	0.005537708	0.005663967	0.005793106
Prj00028-3UG-PAS	-1.040181996	-1.063898145	-1.088155023	-1.112964957	-1.138340558	-1.164294723	-1.190840643	-1.21799181	-1.245762023	-1.274165397	-1.303216368
Prj00028-3UG-UGAS	1.382119379	1.413631701	1.445862504	1.478828169	1.512545451	1.547031487	1.582303805	1.618380332	1.655279403	1.693019774	1.731620625
Prj00028-3UG-UGAS											
Prj00028-3UG-UGAS	0.00184205	0.001884048	0.001927005	0.00197094	0.002015878	0.00206184	0.00210885	0.002156932	0.00220611	0.002256409	0.002307855
Prj00028-3UG-UGAS	-1.040181996	-1.063898145	-1.088155023	-1.112964957	-1.138340558	-1.164294723	-1.190840643	-1.21799181	-1.245762023	-1.274165397	-1.303216368

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Pacific Gas and Electric Company
Electrical Undergrounding Program
SPD-37 Table 7: Annual Costs (Capital and O&M) and O&M Savings

rru_id	annual_costs_in_year_39	annual_costs_in_year_40	annual_costs_in_year_41	annual_costs_in_year_42	annual_costs_in_year_43	annual_costs_in_year_44	annual_costs_in_year_45	annual_costs_in_year_46	annual_costs_in_year_47	annual_costs_in_year_48	annual_costs_in_year_49
Prj00001-3UG-ALT1											
Prj00001-3UG-ALT1	0.019767937	0.020218646	0.020679631	0.021151127	0.021633372	0.022126613	0.0226311	0.023147089	0.023674843	0.024214629	0.024766723
Prj00001-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00001-3UG-PAS											
Prj00001-3UG-PAS	0.002975177	0.003043011	0.003112392	0.003183354	0.003255935	0.00333017	0.003406098	0.003483757	0.003563187	0.003644427	0.00372752
Prj00001-3UG-PAS	-2.551464596	-2.609637989	-2.669137735	-2.72994076	-2.79223794	-2.855900966	-2.921015508	-2.987614661	-3.055732275	-3.125402971	-3.196662159
Prj00001-3UG-UGAS	2.801354582	2.865225467	2.930552608	2.997368207	3.065709225	3.135607395	3.207099244	3.280221107	3.355010148	3.431504379	3.509742679
Prj00001-3UG-UGAS											
Prj00001-3UG-UGAS	0.002975177	0.003043011	0.003112392	0.003183354	0.003255935	0.00333017	0.003406098	0.003483757	0.003563187	0.003644427	0.00372752
Prj00001-3UG-UGAS	-2.551464596	-2.609637989	-2.669137735	-2.72994076	-2.79223794	-2.855900966	-2.921015508	-2.987614661	-3.055732275	-3.125402971	-3.196662159
Prj00002-3UG-ALT1											
Prj00002-3UG-ALT1	0.016656919	0.017036697	0.017425134	0.017822427	0.018228778	0.018644394	0.019069486	0.019504271	0.019948968	0.020403805	0.020869011
Prj00002-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00002-3UG-PAS											
Prj00002-3UG-PAS	0.002390019	0.002444511	0.002500246	0.002557252	0.002615557	0.002675192	0.002736186	0.002798571	0.002862379	0.002927641	0.002994391
Prj00002-3UG-PAS	-0.634574944	-0.649043253	-0.663841439	-0.678977024	-0.6944577	-0.710291336	-0.726485978	-0.743049859	-0.759991395	-0.777319199	-0.795042077
Prj00002-3UG-UGAS	1.269170609	1.298107699	1.327704554	1.357976218	1.388938076	1.420605864	1.452995678	1.486123979	1.520007606	1.554663779	1.590110113
Prj00002-3UG-UGAS											
Prj00002-3UG-UGAS	0.002390019	0.002444511	0.002500246	0.002557252	0.002615557	0.002675192	0.002736186	0.002798571	0.002862379	0.002927641	0.002994391
Prj00002-3UG-UGAS	-0.634574944	-0.649043253	-0.663841439	-0.678977024	-0.6944577	-0.710291336	-0.726485978	-0.743049859	-0.759991395	-0.777319199	-0.795042077
Prj00003-3UG-ALT1											
Prj00003-3UG-ALT1	0.054118839	0.055352748	0.056614791	0.057905608	0.05925856	0.060576205	0.061957343	0.06336997	0.064814805	0.066292583	0.067804054
Prj00003-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00003-3UG-PAS											
Prj00003-3UG-PAS	0.009441895	0.00965717	0.009877353	0.010102557	0.010332895	0.010568485	0.010809447	0.011055902	0.011307977	0.011565799	0.011829499
Prj00003-3UG-PAS	-3.156070705	-3.228029117	-3.301628181	-3.376905303	-3.453898744	-3.532647636	-3.613192002	-3.695572779	-3.779831839	-3.866012005	-3.954157078
Prj00003-3UG-UGAS	3.624965387	3.707614598	3.792148211	3.87860919	3.96704148	4.057490026	4.150000798	4.244620816	4.341398171	4.440382049	4.541622276
Prj00003-3UG-UGAS											
Prj00003-3UG-UGAS	0.009441895	0.00965717	0.009877353	0.010102557	0.010332895	0.010568485	0.010809447	0.011055902	0.011307977	0.011565799	0.011829499
Prj00003-3UG-UGAS	-3.156070705	-3.228029117	-3.301628181	-3.376905303	-3.453898744	-3.532647636	-3.613192002	-3.695572779	-3.779831839	-3.866012005	-3.954157078
Prj00004-3UG-ALT1											
Prj00004-3UG-ALT1	0.002786944	0.002850487	0.002915478	0.002981951	0.003049939	0.003119478	0.003190602	0.003263348	0.003337752	0.003413853	0.003491689
Prj00004-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00004-3UG-PAS											
Prj00004-3UG-PAS	0.00039341	0.00040238	0.000411554	0.000420938	0.000430535	0.000440351	0.000450391	0.00046066	0.000471163	0.000481906	0.000492893
Prj00004-3UG-PAS	-0.113147617	-0.115727382	-0.118365967	-0.121064711	-0.123824986	-0.126648196	-0.129535775	-0.132489919	-0.135509944	-0.138599571	-0.141759641
Prj00004-3UG-UGAS	0.127898977	0.130815994	0.133798599	0.136849207	0.139969369	0.14316067	0.146424734	0.149763217	0.153177819	0.156670273	0.160242355
Prj00004-3UG-UGAS											
Prj00004-3UG-UGAS	0.00039341	0.00040238	0.000411554	0.000420938	0.000430535	0.000440351	0.000450391	0.00046066	0.000471163	0.000481906	0.000492893
Prj00004-3UG-UGAS	-0.113147617	-0.115727382	-0.118365967	-0.121064711	-0.123824986	-0.126648196	-0.129535775	-0.132489919	-0.135509944	-0.138599571	-0.141759641
Prj00005-3UG-ALT1											
Prj00005-3UG-ALT1	0.036748939	0.037586815	0.038443794	0.039320313	0.040216816	0.041133759	0.042071609	0.043030842	0.044011945	0.045015417	0.046041769
Prj00005-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00005-3UG-PAS											
Prj00005-3UG-PAS	0.00540122	0.005524368	0.005650323	0.00577915	0.005910915	0.006045684	0.006183526	0.00632451	0.006468709	0.006616195	0.006767045
Prj00005-3UG-PAS	-2.890868669	-2.956780475	-3.024195069	-3.093146717	-3.163670462	-3.235802149	-3.309578438	-3.385036826	-3.462215666	-3.541154183	-3.621892498
Prj00005-3UG-UGAS	3.032664973	3.101809734	3.172530996	3.244864703	3.318947618	3.394517344	3.471912339	3.551071941	3.632036381	3.71484681	3.799545318
Prj00005-3UG-UGAS											
Prj00005-3UG-UGAS	0.00540122	0.005524368	0.005650323	0.00577915	0.005910915	0.006045684	0.006183526	0.00632451	0.006468709	0.006616195	0.006767045
Prj00005-3UG-UGAS	-2.890868669	-2.956780475	-3.024195069	-3.093146717	-3.163670462	-3.235802149	-3.309578438	-3.385036826	-3.462215666	-3.541154183	-3.621892498
Prj00006-3UG-ALT1											
Prj00006-3UG-ALT1	0.007971983	0.008153744	0.00833965	0.008529794	0.008724273	0.008923186	0.009126635	0.009334722	0.009547554	0.009765238	0.009987886
Prj00006-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00006-3UG-PAS											
Prj00006-3UG-PAS	0.003975267	0.004065903	0.004158606	0.004253422	0.0043504	0.004449589	0.00455104	0.004654804	0.004760933	0.004869483	0.004980507
Prj00006-3UG-PAS	-0.127452031	-0.130357937	-0.133330098	-0.136370024	-0.139479261	-0.142659388	-0.145912022	-0.149238816	-0.152641461	-0.156121686	-0.159681261
Prj00006-3UG-UGAS	0.336463301	0.344134664	0.351980935	0.3600061	0.368214239	0.376609524	0.385196221	0.393978695	0.402961409	0.412148929	0.421545925
Prj00006-3UG-UGAS											
Prj00006-3UG-UGAS	0.000475372	0.000486211	0.000497296	0.000508635	0.000520232	0.000532093	0.000544225	0.000556633	0.000569324	0.000582305	0.000595581
Prj00006-3UG-UGAS	-0.127452031	-0.130357937	-0.133330098	-0.136370024	-0.139479261	-0.142659388	-0.145912022	-0.149238816	-0.152641461	-0.156121686	-0.159681261
Prj00007-3UG-ALT1											
Prj00007-3UG-ALT1	0.053081854	0.05429212	0.05552998	0.056796064	0.058091014	0.059415489	0.060770163	0.062155722	0.063572873	0.065022334	0.066504843
Prj00007-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00007-3UG-PAS											
Prj00007-3UG-PAS	0.046440527	0.047499371	0.048690334	0.049922967	0.051281731	0.052759114	0.054359712	0.05608964	0.056887076	0.05887076	0.058184101
Prj00007-3UG-PAS	-0.147606755	-0.150972189	-0.154414355	-0.157935002	-0.161535592	-0.165218939	-0.168985931	-0.17283881	-0.176779535	-0.180810108	-0.184932579
Prj00007-3UG-UGAS	1.362394831	1.393457433	1.425228263	1.457723467	1.490959562	1.52495344	1.559722379	1.595284049	1.631656525	1.668858294	1.706908263
Prj00007-3UG-UGAS											
Prj00007-3UG-UGAS	0.000876982	0.000896977	0.000917428	0.000938346	0.00095974	0.000981622	0.001004003	0.001026894	0.001050307	0.001074254	0.001098747
Prj00007-3UG-UGAS	-0.147606755	-0.150972189	-0.154414355	-0.157935002	-0.161535592	-0.165218939	-0.168985931	-0.17283881	-0.176779535	-0.180810108	-0.184932579
Prj00008-3UG-ALT1											
Prj00008-3UG-ALT1	0.121005843	0.123764776	0.126586613	0.129472788	0.132424768	0.135444052	0.138532177	0.14169071	0.144921258	0.148225463	0.151605004

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rru_id	annual_costs_in_year_39	annual_costs_in_year_40	annual_costs_in_year_41	annual_costs_in_year_42	annual_costs_in_year_43	annual_costs_in_year_44	annual_costs_in_year_45	annual_costs_in_year_46	annual_costs_in_year_47	annual_costs_in_year_48	annual_costs_in_year_49
Prj00008-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00008-3UG-PAS											
Prj00008-3UG-PAS	0.076447169	0.078190165	0.079972901	0.081796283	0.083661238	0.085568714	0.087519681	0.08951513	0.091556075	0.093643553	0.095778626
Prj00008-3UG-PAS	-0.04204042	-0.056678942	-0.071651222	-0.08696487	-0.102627669	-0.11864758	-0.135032744	-0.151791491	-0.168932337	-0.186463994	-0.204395373
Prj00008-3UG-UGAS	2.237169042	2.288176496	2.34034692	2.39370683	2.448283345	2.504104206	2.561197781	2.619593091	2.679319813	2.740406305	2.802689614
Prj00008-3UG-UGAS											
Prj00008-3UG-UGAS	0.012217501	0.01249606	0.01278097	0.013072377	0.013370427	0.013675272	0.013987069	0.014305974	0.014632215	0.014965763	0.015306982
Prj00008-3UG-UGAS	-0.04204042	-0.056678942	-0.071651222	-0.08696487	-0.102627669	-0.11864758	-0.135032744	-0.151791491	-0.168932337	-0.186463994	-0.204395373
Prj00009-3UG-ALT1											
Prj00009-3UG-ALT1	0.045304252	0.046337189	0.047393677	0.048474253	0.049579466	0.050709878	0.051866063	0.053048609	0.054258118	0.055495203	0.056760493
Prj00009-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00009-3UG-PAS											
Prj00009-3UG-PAS	0.010103794	0.01033416	0.010569779	0.01081077	0.011057256	0.011309361	0.011567215	0.011830947	0.012100693	0.012376599	0.012658775
Prj00009-3UG-PAS	-2.498051796	-2.555007376	-2.613261545	-2.672843908	-2.733784749	-2.796115041	-2.859866464	-2.92507142	-2.991763048	-3.059975245	-3.129742681
Prj00009-3UG-UGAS	3.097711325	3.168339143	3.240577276	3.314462437	3.390032181	3.467324915	3.546379923	3.62723385	3.709938397	3.794524993	3.881040163
Prj00009-3UG-UGAS											
Prj00009-3UG-UGAS	0.007122398	0.007284789	0.007450882	0.007620762	0.007794516	0.00797223	0.008153997	0.008339908	0.008530058	0.008724544	0.008923463
Prj00009-3UG-UGAS	-2.498051796	-2.555007376	-2.613261545	-2.672843908	-2.733784749	-2.796115041	-2.859866464	-2.92507142	-2.991763048	-3.059975245	-3.129742681
Prj00010-3UG-ALT1											
Prj00010-3UG-ALT1	0.050683719	0.051839308	0.053021244	0.054230128	0.055466575	0.056731213	0.058024685	0.059347648	0.060700774	0.062084752	0.063500284
Prj00010-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00010-3UG-PAS											
Prj00010-3UG-PAS	0.013935835	0.014253572	0.014578553	0.014910944	0.015250914	0.015598635	0.015954284	0.016318041	0.016690093	0.017070627	0.017459837
Prj00010-3UG-PAS	-0.909692514	-0.930433504	-0.951647387	-0.973344948	-0.995537213	-1.018235461	-1.04145123	-1.065196318	-1.089482794	-1.114323001	-1.139729566
Prj00010-3UG-UGAS	1.421213253	1.453616915	1.486759381	1.520657494	1.555328485	1.590789975	1.627059986	1.664156954	1.702099732	1.740907606	1.7806003
Prj00010-3UG-UGAS											
Prj00010-3UG-UGAS	0.006417534	0.006563854	0.006713509	0.006866577	0.007023135	0.007183263	0.007347041	0.007514554	0.007685886	0.007861124	0.008040357
Prj00010-3UG-UGAS	-0.909692514	-0.930433504	-0.951647387	-0.973344948	-0.995537213	-1.018235461	-1.04145123	-1.065196318	-1.089482794	-1.114323001	-1.139729566
Prj00011-3UG-ALT1											
Prj00011-3UG-ALT1	0.031175035	0.031885826	0.032612823	0.033356395	0.034116921	0.034894787	0.035690388	0.036504129	0.037336423	0.038187694	0.039058373
Prj00011-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00011-3UG-PAS											
Prj00011-3UG-PAS	0.004909456	0.005021392	0.005135879	0.005252978	0.005372745	0.005495244	0.005620536	0.005748684	0.005879754	0.006013812	0.006150927
Prj00011-3UG-PAS	-2.131952496	-2.180561013	-2.230277804	-2.281128138	-2.333137859	-2.386333403	-2.440741804	-2.496390717	-2.553308426	-2.611523858	-2.671066602
Prj00011-3UG-UGAS	4.377914927	4.477731387	4.579282663	4.682423642	4.791044397	4.90228021	5.016206598	5.132820349	5.251359541	5.362703578	5.48497322
Prj00011-3UG-UGAS											
Prj00011-3UG-UGAS	0.004909456	0.005021392	0.005135879	0.005252978	0.005372745	0.005495244	0.005620536	0.005748684	0.005879754	0.006013812	0.006150927
Prj00011-3UG-UGAS	-2.131952496	-2.180561013	-2.230277804	-2.281128138	-2.333137859	-2.386333403	-2.440741804	-2.496390717	-2.553308426	-2.611523858	-2.671066602
Prj00012-3UG-ALT1											
Prj00012-3UG-ALT1	0.031434296	0.032150998	0.032884041	0.033633797	0.034400648	0.035184982	0.0359872	0.036807708	0.037646924	0.038505274	0.039383194
Prj00012-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00012-3UG-PAS											
Prj00012-3UG-PAS	0.013208425	0.013509577	0.013817596	0.014132637	0.014454861	0.014784432	0.015121517	0.015466287	0.015818919	0.01617959	0.016548485
Prj00012-3UG-PAS	-1.093724587	-1.118661508	-1.14416699	-1.170253998	-1.196935789	-1.224225925	-1.252138276	-1.280687029	-1.309886693	-1.33975211	-1.370298458
Prj00012-3UG-UGAS	1.651630353	1.689287525	1.727803281	1.767197196	1.807489292	1.848700048	1.890850409	1.933961798	1.978056127	2.023155807	2.069283759
Prj00012-3UG-UGAS											
Prj00012-3UG-UGAS	0.004458673	0.00456033	0.00467423	0.004790674	0.004919674	0.0050520843	0.005194461	0.005339878	0.0054861627	0.005635152	0.005786152
Prj00012-3UG-UGAS	-1.093724587	-1.118661508	-1.14416699	-1.170253998	-1.196935789	-1.224225925	-1.252138276	-1.280687029	-1.309886693	-1.33975211	-1.370298458
Prj00013-3UG-ALT1											
Prj00013-3UG-ALT1	0.050035607	0.051176419	0.052343241	0.053536667	0.054757303	0.05600577	0.057282701	0.058588747	0.05992457	0.06129085	0.062688282
Prj00013-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00013-3UG-PAS											
Prj00013-3UG-PAS	0.008695292	0.008893545	0.009096318	0.009303714	0.009515839	0.0097328	0.009954708	0.010181675	0.010413817	0.010651252	0.010894101
Prj00013-3UG-PAS	-1.875420607	-1.918180196	-1.961914705	-2.00664636	-2.052397897	-2.099192569	-2.14705416	-2.196006995	-2.246075954	-2.297286486	-2.349664618
Prj00013-3UG-UGAS	2.225822298	2.276571046	2.328476866	2.381506138	2.435865846	2.491403598	2.548207589	2.606306722	2.665730516	2.726509171	2.788733581
Prj00013-3UG-UGAS											
Prj00013-3UG-UGAS	0.008630479	0.008827254	0.009028516	0.009234366	0.00944491	0.009660253	0.009880507	0.010105783	0.010336195	0.01057186	0.010812898
Prj00013-3UG-UGAS	-1.875420607	-1.918180196	-1.961914705	-2.00664636	-2.052397897	-2.099192569	-2.14705416	-2.196006995	-2.246075954	-2.297286486	-2.349664618
Prj00014-3UG-ALT1											
Prj00014-3UG-ALT1	0.008166453	0.008352648	0.008543089	0.008737871	0.008937095	0.00914086	0.009349272	0.009562435	0.009780459	0.010003453	0.010231532
Prj00014-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00014-3UG-PAS											
Prj00014-3UG-PAS	0.001032709	0.001056255	0.001080338	0.00110497	0.001130163	0.001155931	0.001182286	0.001209242	0.001236813	0.001265012	0.001293854
Prj00014-3UG-PAS	-0.453202467	-0.463535483	-0.474104092	-0.484913666	-0.495969697	-0.507277806	-0.51884374	-0.530673378	-0.542727231	-0.555147949	-0.567805322
Prj00014-3UG-UGAS	0.52505153	0.537022705	0.549266823	0.561790106	0.574598921	0.587699776	0.601099331	0.614804396	0.628821936	0.643159076	0.657823103
Prj00014-3UG-UGAS											
Prj00014-3UG-UGAS	0.001032709	0.001056255	0.001080338	0.00110497	0.001130163	0.001155931	0.001182286	0.001209242	0.001236813	0.001265012	0.001293854
Prj00014-3UG-UGAS	-0.453202467	-0.463535483	-0.474104092	-0.484913666	-0.495969697	-0.507277806	-0.51884374	-0.530673378	-0.542727231	-0.555147949	-0.567805322
Prj00015-3UG-ALT1											
Prj00015-3UG-ALT1	0.147903214	0.151275407	0.154724486	0.158252204	0.161860355	0.165550771	0.169325328	0.173185946	0.177134585	0.181173254	0.185304004
Prj00015-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00015-3UG-PAS											
Prj00015-3UG-PAS	0.043804573	0.044803317	0.045824833	0.046869639	0.047938267	0.049031259	0.050149172	0.051292573	0.052462044	0.053658178	0.054881585
Prj00015-3UG-PAS	-2.450456855	-2.506327272	-2.563471534	-2.621918685	-2.681698431	-2.742841155	-2.805377933	-2.86934055	-2.934761514	-3.001674077	-3.070112246
Prj00015-3UG-UGAS	3.718887701	3.803678341	3.890402207	3.979103378	4.069826935	4.162618989	4.257526702	4.35459831	4.453883152	4.55431688	4.656929553
Prj00015-3UG-UGAS											
Prj00015-3UG-UGAS	0.019434893	0.019878009	0.020331228	0.02079478	0.021268901	0.021753832	0.022249819	0.022757115	0.023275977	0.023806669	0.024349461
Prj00015-3UG-UGAS	-2.450456855	-2.506327272	-2.563471534	-2.621918685	-2.681698431	-2.742841155	-2.805377933	-2.86934055	-2.934761514	-3.001674077	-3.070112246
Prj00016-3UG-ALT1											
Prj00016-3UG-ALT1	0.166569329	0.17036711	0.17425148	0.178224414	0.18228793	0.186444095	0.190698502	0.195042867	0.199489844	0.204038213	0.208690284
Prj00016-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00016-3UG-PAS											
Prj00016-3UG-PAS	0.159232013	0.162862503	0.166557568	0.170373695	0.174258216	0.178231303	0.182294977	0.186451302	0.190702392	0.195050406	0.199497556
Prj00016-3UG-PAS	-0.168242692	-0.172078									

SPD-37
Pacific Gas and Electric Company
Electrical Undergrounding Program
SPD-37 Table 7: Annual Costs (Capital and O&M) and O&M Savings

rru_id	annual_costs_in_year_39	annual_costs_in_year_40	annual_costs_in_year_41	annual_costs_in_year_42	annual_costs_in_year_43	annual_costs_in_year_44	annual_costs_in_year_45	annual_costs_in_year_46	annual_costs_in_year_47	annual_costs_in_year_48	annual_costs_in_year_49
Prj00016-3UG-UGAS	3.893075345	3.081837462	4.072623357	4.165479169	4.260452094	4.357590402	4.456943463	4.558561774	4.662496983	4.768801914	4.877530597
Prj00016-3UG-UGAS											
Prj00016-3UG-UGAS	0.001736499	0.001776092	0.001816587	0.001858005	0.001900367	0.001943696	0.001988012	0.002033339	0.002079699	0.002127116	0.002175614
Prj00016-3UG-UGAS	-0.168242692	-0.172078626	-0.176002018	-0.180014864	-0.184119203	-0.188317121	-0.192610751	-0.197002277	-0.201493928	-0.206087997	-0.210786796
Prj00017-3UG-ALT1											
Prj00017-3UG-ALT1	0.046989385	0.048060743	0.049156528	0.050277297	0.051423619	0.052596078	0.053795269	0.055021801	0.056276298	0.057559397	0.058871752
Prj00017-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00017-3UG-PAS											
Prj00017-3UG-PAS	0.031064528	0.031772799	0.032497219	0.033238156	0.033995986	0.034771094	0.035563875	0.036374731	0.037204075	0.038052328	0.038919921
Prj00017-3UG-PAS	-0.794591011	-0.812707686	-0.831237421	-0.850189634	-0.869573958	-0.889400244	-0.90967857	-0.930419241	-0.9516328	-0.973330028	-0.995521952
Prj00017-3UG-UGAS	2.378307621	2.432533035	2.487994788	2.544721069	2.60274071	2.662083198	2.722778695	2.784858049	2.848352813	2.913295257	2.979718389
Prj00017-3UG-UGAS											
Prj00017-3UG-UGAS	0.003065336	0.003135225	0.003206708	0.003279821	0.003354601	0.003431086	0.003509315	0.003589327	0.003671164	0.003754887	0.003840478
Prj00017-3UG-UGAS	-0.794591011	-0.812707686	-0.831237421	-0.850189634	-0.869573958	-0.889400244	-0.90967857	-0.930419241	-0.9516328	-0.973330028	-0.995521952
Prj00018-3UG-ALT1											
Prj00018-3UG-ALT1	0.015231038	0.015578306	0.015933491	0.016296774	0.016668341	0.017048379	0.017437082	0.017834648	0.018241278	0.018657179	0.019082562
Prj00018-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00018-3UG-PAS											
Prj00018-3UG-PAS	0.002016236	0.002062206	0.002109225	0.002157315	0.002206502	0.00225681	0.002308265	0.002360894	0.002414722	0.002469778	0.002526089
Prj00018-3UG-PAS	-0.637993614	-0.652539868	-0.667417777	-0.682634903	-0.698198979	-0.714117915	-0.730399804	-0.747052919	-0.764085726	-0.78150688	-0.799325237
Prj00018-3UG-UGAS	0.885957639	0.906157473	0.926817864	0.947949311	0.969562555	0.991668582	1.014278625	1.037404178	1.061056993	1.085249093	1.109992772
Prj00018-3UG-UGAS											
Prj00018-3UG-UGAS	0.002016236	0.002062206	0.002109225	0.002157315	0.002206502	0.00225681	0.002308265	0.002360894	0.002414722	0.002469778	0.002526089
Prj00018-3UG-UGAS	-0.637993614	-0.652539868	-0.667417777	-0.682634903	-0.698198979	-0.714117915	-0.730399804	-0.747052919	-0.764085726	-0.78150688	-0.799325237
Prj00019-3UG-ALT1											
Prj00019-3UG-ALT1	0.05528547	0.056545979	0.057835227	0.05915387	0.060502578	0.061882037	0.063292948	0.064736027	0.066212008	0.067721642	0.069265696
Prj00019-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00019-3UG-PAS											
Prj00019-3UG-PAS	0.009196012	0.009405681	0.009620313	0.009839469	0.010063809	0.010293264	0.01052795	0.010767988	0.011013498	0.011264606	0.011521439
Prj00019-3UG-PAS	-2.578788377	-2.637584752	-2.697721684	-2.759229739	-2.822140177	-2.886484973	-2.95229683	-3.019609198	-3.088456287	-3.158873091	-3.230895397
Prj00019-3UG-UGAS	3.064332957	3.134199749	3.205659503	3.27874854	3.353504007	3.429963898	3.508167075	3.588153284	3.66963179	3.753638339	3.839221294
Prj00019-3UG-UGAS											
Prj00019-3UG-UGAS	0.009196012	0.009405681	0.009620313	0.009839469	0.010063809	0.010293264	0.01052795	0.010767988	0.011013498	0.011264606	0.011521439
Prj00019-3UG-UGAS	-2.578788377	-2.637584752	-2.697721684	-2.759229739	-2.822140177	-2.886484973	-2.95229683	-3.019609198	-3.088456287	-3.158873091	-3.230895397
Prj00020-3UG-ALT1											
Prj00020-3UG-ALT1	0.03175836	0.032482471	0.0332223072	0.033980558	0.034755314	0.035547736	0.036358224	0.037187192	0.038035059	0.038902259	0.039789923
Prj00020-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00020-3UG-PAS											
Prj00020-3UG-PAS	0.004499656	0.004602248	0.004707179	0.004814503	0.004924274	0.005036547	0.00515138	0.005268832	0.005388961	0.005511829	0.005637499
Prj00020-3UG-PAS	-2.226654256	-2.277421973	-2.329347194	-2.38245631	-2.436776314	-2.492334814	-2.549160048	-2.607280897	-2.666726901	-2.727528274	-2.789715919
Prj00020-3UG-UGAS	2.44813438	2.503951844	2.561041946	2.619433703	2.679156791	2.740241566	2.802719074	2.866621068	2.931980029	2.998829173	3.067202479
Prj00020-3UG-UGAS											
Prj00020-3UG-UGAS	0.004499656	0.004602248	0.004707179	0.004814503	0.004924274	0.005036547	0.00515138	0.005268832	0.005388961	0.005511829	0.005637499
Prj00020-3UG-UGAS	-2.226654256	-2.277421973	-2.329347194	-2.38245631	-2.436776314	-2.492334814	-2.549160048	-2.607280897	-2.666726901	-2.727528274	-2.789715919
Prj00021-3UG-ALT1											
Prj00021-3UG-ALT1	0.129561128	0.132515121	0.135536466	0.138626698	0.141787386	0.145020139	0.148326598	0.151708444	0.155167397	0.158705213	0.162323692
Prj00021-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00021-3UG-PAS											
Prj00021-3UG-PAS	0.019178846	0.019616123	0.020063371	0.020520816	0.020988869	0.021467233	0.021956685	0.022457298	0.022969324	0.023493025	0.024028666
Prj00021-3UG-PAS	-3.244465401	-3.318439213	-3.394099627	-3.471485098	-3.550634958	-3.631589435	-3.714389675	-3.799077759	-3.885696732	-3.974290618	-4.064904444
Prj00021-3UG-UGAS	3.827122037	3.914380419	4.003628293	4.094911018	4.188274989	4.283767659	4.381437561	4.48081276	4.583508761	4.68801276	4.794899451
Prj00021-3UG-UGAS											
Prj00021-3UG-UGAS	0.019178846	0.019616123	0.020063371	0.020520816	0.020988869	0.021467233	0.021956685	0.022457298	0.022969324	0.023493025	0.024028666
Prj00021-3UG-UGAS	-3.244465401	-3.318439213	-3.394099627	-3.471485098	-3.550634958	-3.631589435	-3.714389675	-3.799077759	-3.885696732	-3.974290618	-4.064904444
Prj00022-3UG-ALT1											
Prj00022-3UG-ALT1	0.015619926	0.015976061	0.016340315	0.016712874	0.017093927	0.017483669	0.017882297	0.018290013	0.018707025	0.019133546	0.01956979
Prj00022-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00022-3UG-PAS											
Prj00022-3UG-PAS	0.014034654	0.014354644	0.014681929	0.015016677	0.015359058	0.015709244	0.016067415	0.016433752	0.016808442	0.017191674	0.017583644
Prj00022-3UG-PAS	-0.033205167	-0.033962245	-0.034736584	-0.035528578	-0.03633863	-0.037167151	-0.038014562	-0.038881294	-0.039767787	-0.0406674493	-0.041601871
Prj00022-3UG-UGAS	0.362455721	0.370719711	0.387817245	0.405703314	0.396659478	0.405703314	0.41495335	0.424414286	0.434090932	0.443988205	0.454111136
Prj00022-3UG-UGAS											
Prj00022-3UG-UGAS	0.00022949	0.000240075	0.00024723	0.000254548	0.000251147	0.000256873	0.00026273	0.00026872	0.000274847	0.000281113	0.000287523
Prj00022-3UG-UGAS	-0.033205167	-0.033962245	-0.034736584	-0.035528578	-0.03633863	-0.037167151	-0.038014562	-0.038881294	-0.039767787	-0.0406674493	-0.041601871
Prj00023-3UG-ALT1											
Prj00023-3UG-ALT1	0.160152868	0.163804353	0.167539092	0.171358984	0.175265968	0.179262033	0.183349207	0.187529569	0.191805243	0.196178403	0.20065127
Prj00023-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00023-3UG-PAS											
Prj00023-3UG-PAS	0.028671196	0.029324899	0.029993507	0.030677359	0.031376803	0.032092194	0.032823896	0.033572281	0.034337729	0.035120629	0.035921379
Prj00023-3UG-PAS	-7.208278937	-7.372627696	-7.540723608	-7.712652106	-7.888500574	-8.068358387	-8.252316958	-8.440469785	-8.632912496	-8.829742901	-9.031061039
Prj00023-3UG-UGAS	7.881859358	8.061565751	8.24536945	8.433363874	8.62564457	8.822309266	9.02457917	9.23192758	9.439618353	9.65841651	9.874972041
Prj00023-3UG-UGAS											
Prj00023-3UG-UGAS	0.027374937	0.027999085	0.028637464	0.029290399	0.02995822	0.030641267	0.031339888	0.032054437	0.032785279	0.033532783	0.03429733
Prj00023-3UG-UGAS	-7.208278937	-7.372627696	-7.540723608	-7.712652106	-7.888500574	-8.068358387	-8.252316958	-8.440469785	-8.632912496	-8.829742901	-9.031061039
Prj00024-3UG-ALT1											
Prj00024-3UG-ALT1	0.007388683	0.007557145	0.007729448	0.007905679	0.008085928	0.008270288	0.00845885	0.008651712	0.008848971	0.009050728	0.009257084
Prj00024-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00024-3UG-PAS											
Prj00024-3UG-PAS	0.001008119	0.001031104	0.001054614	0.001078659	0.001103252	0.001128406	0.001154134	0.001180448	0.001207363	0.001234889	0.001263046
Prj00024-3UG-PAS	-0.51388283	-0.52701638	-0.540687635	-0.554946914	-0.569867103	-0.575310377	-0.580427454	-0.585165634	-0.589565422	-0.593665422	-0.597435422
Prj00024-3UG-UGAS	0.576343938	0.589484579	0.602924828	0.616671514	0.630731624	0.645112306	0.659820866	0.674864782	0.690251699	0.705989438	0.722085997
Prj00024-3UG-UGAS											
Prj00024-3UG-UGAS	0.001008119	0.001031104	0.001054614	0.001078659	0.001103252	0.001128406	0				

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rru_id	annual_costs_in_year_39	annual_costs_in_year_40	annual_costs_in_year_41	annual_costs_in_year_42	annual_costs_in_year_43	annual_costs_in_year_44	annual_costs_in_year_45	annual_costs_in_year_46	annual_costs_in_year_47	annual_costs_in_year_48	annual_costs_in_year_49
Prj00025-3UG-ALT1											
Prj00025-3UG-ALT1	0.018406903	0.01882658	0.019255826	0.019694859	0.020143902	0.020603183	0.021072936	0.021553399	0.022044816	0.022547438	0.023061519
Prj00025-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00025-3UG-PAS											
Prj00025-3UG-PAS	0.002934203	0.003001102	0.003069528	0.003139513	0.003211094	0.003284307	0.003359189	0.003435778	0.003514114	0.003594236	0.003676184
Prj00025-3UG-PAS	-1.097149231	-1.122164234	-1.147749578	-1.173918269	-1.200683605	-1.228059191	-1.256058941	-1.284697085	-1.313988178	-1.343947109	-1.374589103
Prj00025-3UG-UGAS	1.258936293	1.287640041	1.316998233	1.347025793	1.377737981	1.409150407	1.441279037	1.474140199	1.507750595	1.542127309	1.577287811
Prj00025-3UG-UGAS											
Prj00025-3UG-UGAS	0.002934203	0.003001102	0.003069528	0.003139513	0.003211094	0.003284307	0.003359189	0.003435778	0.003514114	0.003594236	0.003676184
Prj00025-3UG-UGAS	-1.097149231	-1.122164234	-1.147749578	-1.173918269	-1.200683605	-1.228059191	-1.256058941	-1.284697085	-1.313988178	-1.343947109	-1.374589103
Prj00026-3UG-ALT1											
Prj00026-3UG-ALT1	0.021971585	0.022472537	0.022984911	0.023508967	0.024044972	0.024593197	0.025153922	0.025727431	0.026314017	0.026913976	0.027527615
Prj00026-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00026-3UG-PAS											
Prj00026-3UG-PAS	0.002696511	0.002757992	0.002820874	0.00288519	0.002950972	0.003018255	0.003087071	0.003157456	0.003229446	0.003303077	0.003378388
Prj00026-3UG-PAS	-1.487891126	-1.521815043	-1.556512426	-1.59200091	-1.628298531	-1.665423737	-1.703395398	-1.742232813	-1.781955721	-1.822584312	-1.864139234
Prj00026-3UG-UGAS	1.68747019	1.72594451	1.765296045	1.805544795	1.846711216	1.888816232	1.931881242	1.975928134	2.020979296	2.067057624	2.114186537
Prj00026-3UG-UGAS											
Prj00026-3UG-UGAS	0.002696511	0.002757992	0.002820874	0.00288519	0.002950972	0.003018255	0.003087071	0.003157456	0.003229446	0.003303077	0.003378388
Prj00026-3UG-UGAS	-1.487891126	-1.521815043	-1.556512426	-1.59200091	-1.628298531	-1.665423737	-1.703395398	-1.742232813	-1.781955721	-1.822584312	-1.864139234
Prj00027-3UG-ALT1											
Prj00027-3UG-ALT1	0.008555298	0.008750358	0.008949867	0.009153924	0.009362633	0.009576101	0.009794436	0.010017749	0.010246154	0.010479766	0.010718705
Prj00027-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00027-3UG-PAS											
Prj00027-3UG-PAS	0.001073686	0.001098166	0.001123204	0.001148813	0.001175006	0.001201796	0.001229197	0.001257223	0.001285887	0.001315206	0.001345192
Prj00027-3UG-PAS	-0.502061482	-0.513508484	-0.525216477	-0.537191413	-0.549439377	-0.561966595	-0.574779433	-0.587884404	-0.601288169	-0.614997539	-0.629019483
Prj00027-3UG-UGAS	0.547499845	0.559982842	0.57275045	0.585809161	0.599165609	0.612826585	0.626799031	0.641090049	0.655706902	0.67065702	0.685948
Prj00027-3UG-UGAS											
Prj00027-3UG-UGAS	0.001073686	0.001098166	0.001123204	0.001148813	0.001175006	0.001201796	0.001229197	0.001257223	0.001285887	0.001315206	0.001345192
Prj00027-3UG-UGAS	-0.502061482	-0.513508484	-0.525216477	-0.537191413	-0.549439377	-0.561966595	-0.574779433	-0.587884404	-0.601288169	-0.614997539	-0.629019483
Prj00028-3UG-ALT1											
Prj00028-3UG-ALT1	0.020740157	0.021213033	0.02169669	0.022191375	0.022697338	0.023214837	0.023744135	0.024285502	0.024839211	0.025405545	0.025984792
Prj00028-3UG-ALT1	0	0	0	0	0	0	0	0	0	0	0
Prj00028-3UG-PAS											
Prj00028-3UG-PAS	0.005925189	0.006060283	0.006198457	0.006339782	0.006484329	0.006632172	0.006783385	0.006938047	0.007096234	0.007258028	0.007423511
Prj00028-3UG-PAS	-1.332929701	-1.363320498	-1.394404206	-1.426196622	-1.458713905	-1.491972582	-1.525989556	-1.560782118	-1.596367951	-1.63276514	-1.669992185
Prj00028-3UG-UGAS	1.771101575	1.811482691	1.852784496	1.895027983	1.938234621	1.98242637	2.027625691	2.073855557	2.121139464	2.169501443	2.218966078
Prj00028-3UG-UGAS											
Prj00028-3UG-UGAS	0.002360474	0.002414293	0.002468339	0.00252564	0.002583224	0.002642122	0.002702362	0.002763976	0.002826995	0.002891445	0.002957375
Prj00028-3UG-UGAS	-1.332929701	-1.363320498	-1.394404206	-1.426196622	-1.458713905	-1.491972582	-1.525989556	-1.560782118	-1.596367951	-1.63276514	-1.669992185

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rru_id	annual_costs_in_year_50	annual_costs_in_year_51	annual_costs_in_year_52	annual_costs_in_year_53	annual_costs_in_year_54	annual_costs_in_year_55	annual_costs_in_year_56	reporting_date	calculated_date
Prg00001-3UG-ALT1								10/12/2026	10/7/2026
Prg00001-3UG-ALT1								10/12/2026	10/7/2026
Prg00001-3UG-ALT1								10/12/2026	10/7/2026
Prg00001-3UG-PAS								10/12/2026	10/7/2026
Prg00001-3UG-PAS	0.003812508	0.003899433	0.00398834	0.004079274	0.004172282	0.00426741	0.004364706	10/12/2026	10/7/2026
Prg00001-3UG-PAS	-3.289546056	-3.344091706	-3.420336997	-3.498320681	-3.578082392	-3.659662671	-3.74310298	10/12/2026	10/7/2026
Prg00001-3UG-UGAS	3.589764812	3.67161145	3.755324191	3.840945583	3.928519142	4.018089378	4.109701816	10/12/2026	10/7/2026
Prg00001-3UG-UGAS								10/12/2026	10/7/2026
Prg00001-3UG-UGAS	0.003812508	0.003899433	0.00398834	0.004079274	0.004172282	0.00426741	0.004364706	10/12/2026	10/7/2026
Prg00001-3UG-UGAS	-3.289546056	-3.344091706	-3.420336997	-3.498320681	-3.578082392	-3.659662671	-3.74310298	10/12/2026	10/7/2026
Prg00002-3UG-ALT1								10/12/2026	10/7/2026
Prg00002-3UG-ALT1								10/12/2026	10/7/2026
Prg00002-3UG-ALT1								10/12/2026	10/7/2026
Prg00002-3UG-PAS								10/12/2026	10/7/2026
Prg00002-3UG-PAS	0.003062663	0.003132492	0.003203913	0.003276962	0.003351677	0.003428095	0.003506255	10/12/2026	10/7/2026
Prg00002-3UG-PAS	-0.813169036	-0.83170929	-0.850672262	-0.87006759	-0.889905131	-0.910194968	-0.930947413	10/12/2026	10/7/2026
Prg00002-3UG-UGAS	1.626364624	1.663445737	1.7013723	1.740163589	1.779839318	1.820419655	1.861925223	10/12/2026	10/7/2026
Prg00002-3UG-UGAS								10/12/2026	10/7/2026
Prg00002-3UG-UGAS	0.003062663	0.003132492	0.003203913	0.003276962	0.003351677	0.003428095	0.003506255	10/12/2026	10/7/2026
Prg00002-3UG-UGAS	-0.813169036	-0.83170929	-0.850672262	-0.87006759	-0.889905131	-0.910194968	-0.930947413	10/12/2026	10/7/2026
Prg00003-3UG-ALT1								10/12/2026	10/7/2026
Prg00003-3UG-ALT1								10/12/2026	10/7/2026
Prg00003-3UG-ALT1								10/12/2026	10/7/2026
Prg00003-3UG-PAS								10/12/2026	10/7/2026
Prg00003-3UG-PAS	0.012099211	0.012375073	0.012657225	0.01294581	0.013240974	0.013542869	0.013851646	10/12/2026	10/7/2026
Prg00003-3UG-PAS	-4.04431186	-4.13652217	-4.230834876	-4.327297911	-4.425960303	-4.526872198	-4.630084884	10/12/2026	10/7/2026
Prg00003-3UG-UGAS	4.645171759	4.751081675	4.859406337	4.970200802	5.08352138	5.199425667	5.317972573	10/12/2026	10/7/2026
Prg00003-3UG-UGAS								10/12/2026	10/7/2026
Prg00003-3UG-UGAS	0.012099211	0.012375073	0.012657225	0.01294581	0.013240974	0.013542869	0.013851646	10/12/2026	10/7/2026
Prg00003-3UG-UGAS	-4.04431186	-4.13652217	-4.230834876	-4.327297911	-4.425960303	-4.526872198	-4.630084884	10/12/2026	10/7/2026
Prg00004-3UG-ALT1								10/12/2026	10/7/2026
Prg00004-3UG-ALT1								10/12/2026	10/7/2026
Prg00004-3UG-ALT1								10/12/2026	10/7/2026
Prg00004-3UG-PAS								10/12/2026	10/7/2026
Prg00004-3UG-PAS	0.000504131	0.000515626	0.000527382	0.000539406	0.000551705	0.000564283	0.000577149	10/12/2026	10/7/2026
Prg00004-3UG-PAS	-0.144991761	-0.148297573	-0.151678757	-0.155137033	-0.158674157	-0.162291928	-0.165992184	10/12/2026	10/7/2026
Prg00004-3UG-UGAS	0.163895881	0.167632707	0.171454733	0.175363901	0.179362198	0.183451656	0.187634353	10/12/2026	10/7/2026
Prg00004-3UG-UGAS								10/12/2026	10/7/2026
Prg00004-3UG-UGAS	0.000504131	0.000515626	0.000527382	0.000539406	0.000551705	0.000564283	0.000577149	10/12/2026	10/7/2026
Prg00004-3UG-UGAS	-0.144991761	-0.148297573	-0.151678757	-0.155137033	-0.158674157	-0.162291928	-0.165992184	10/12/2026	10/7/2026
Prg00005-3UG-ALT1								10/12/2026	10/7/2026
Prg00005-3UG-ALT1								10/12/2026	10/7/2026
Prg00005-3UG-ALT1								10/12/2026	10/7/2026
Prg00005-3UG-PAS								10/12/2026	10/7/2026
Prg00005-3UG-PAS	0.006921333	0.00707914	0.007240544	0.007405628	0.007574477	0.007747175	0.00792381	10/12/2026	10/7/2026
Prg00005-3UG-PAS	-3.704471647	-3.788933601	-3.875321287	-3.963678612	-4.054050485	-4.146482836	-4.241022644	10/12/2026	10/7/2026
Prg00005-3UG-UGAS	3.886174951	3.97477974	4.065404718	4.158095946	4.252900533	4.349866665	4.449043625	10/12/2026	10/7/2026
Prg00005-3UG-UGAS								10/12/2026	10/7/2026
Prg00005-3UG-UGAS	0.006921333	0.00707914	0.007240544	0.007405628	0.007574477	0.007747175	0.00792381	10/12/2026	10/7/2026
Prg00005-3UG-UGAS	-3.704471647	-3.788933601	-3.875321287	-3.963678612	-4.054050485	-4.146482836	-4.241022644	10/12/2026	10/7/2026
Prg00006-3UG-ALT1								10/12/2026	10/7/2026
Prg00006-3UG-ALT1								10/12/2026	10/7/2026
Prg00006-3UG-ALT1								10/12/2026	10/7/2026
Prg00006-3UG-PAS								10/12/2026	10/7/2026
Prg00006-3UG-PAS	0.005094062	0.005210207	0.005329	0.005450501	0.005574772	0.005701877	0.00583188	10/12/2026	10/7/2026
Prg00006-3UG-PAS	-0.163321993	-0.167045735	-0.170854378	-0.174749857	-0.178734154	-0.182809293	-0.186977345	10/12/2026	10/7/2026
Prg00006-3UG-UGAS	0.431157172	0.440987555	0.451042072	0.461325831	0.47184406	0.482602104	0.493605432	10/12/2026	10/7/2026
Prg00006-3UG-UGAS								10/12/2026	10/7/2026
Prg00006-3UG-UGAS	0.000609161	0.00062305	0.000637255	0.000651784	0.000666645	0.000681845	0.000697391	10/12/2026	10/7/2026
Prg00006-3UG-UGAS	-0.163321993	-0.167045735	-0.170854378	-0.174749857	-0.178734154	-0.182809293	-0.186977345	10/12/2026	10/7/2026
Prg00007-3UG-ALT1								10/12/2026	10/7/2026
Prg00007-3UG-ALT1								10/12/2026	10/7/2026
Prg00007-3UG-ALT1								10/12/2026	10/7/2026
Prg00007-3UG-PAS								10/12/2026	10/7/2026
Prg00007-3UG-PAS	0.059510699	0.060867543	0.062255323	0.063674744	0.065126528	0.066611413	0.068130153	10/12/2026	10/7/2026
Prg00007-3UG-PAS	-0.189149041	-0.19346164	-0.197872565	-0.202384059	-0.206998416	-0.21171798	-0.21654515	10/12/2026	10/7/2026
Prg00007-3UG-UGAS	1.745825771	1.785630599	1.826342977	1.867983597	1.910573623	1.954134701	1.998688972	10/12/2026	10/7/2026
Prg00007-3UG-UGAS								10/12/2026	10/7/2026
Prg00007-3UG-UGAS	0.001123799	0.001149421	0.001175628	0.001202433	0.001229848	0.001257889	0.001286568	10/12/2026	10/7/2026
Prg00007-3UG-UGAS	-0.189149041	-0.19346164	-0.197872565	-0.202384059	-0.206998416	-0.21171798	-0.21654515	10/12/2026	10/7/2026
Prg00008-3UG-ALT1								10/12/2026	10/7/2026
Prg00008-3UG-ALT1								10/12/2026	10/7/2026

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SPD-37 Table 7: Annual Costs (Capital and O&M) and O&M Savings

rru_id	annual_costs_in_year_50	annual_costs_in_year_51	annual_costs_in_year_52	annual_costs_in_year_53	annual_costs_in_year_54	annual_costs_in_year_55	annual_costs_in_year_56	reporting_date	calculated_date
Prq00008-3UG-ALT1								10/12/2026	10/7/2026
Prq00008-3UG-PAS								10/12/2026	10/7/2026
Prq00008-3UG-PAS	0.097962379	0.100195921	0.102480388	0.104816941	0.107206767	0.109651081	0.112151126	10/12/2026	10/7/2026
Prq00008-3UG-PAS	-0.822735588	-0.841493959	-0.860680021	-0.880303526	-0.900374446	-0.920902984	-0.941899572	10/12/2026	10/7/2026
Prq00008-3UG-UGAS	2.866795498	2.932158435	2.999011647	3.067389113	3.137325585	3.208856608	3.282018539	10/12/2026	10/7/2026
Prq00008-3UG-UGAS	0.015655982	0.016012938	0.016378033	0.016751452	0.017133385	0.017524026	0.017923574	10/12/2026	10/7/2026
Prq00008-3UG-UGAS	-0.822735588	-0.841493959	-0.860680021	-0.880303526	-0.900374446	-0.920902984	-0.941899572	10/12/2026	10/7/2026
Prq00009-3UG-ALT1								10/12/2026	10/7/2026
Prq00009-3UG-ALT1								10/12/2026	10/7/2026
Prq00009-3UG-ALT1								10/12/2026	10/7/2026
Prq00009-3UG-PAS								10/12/2026	10/7/2026
Prq00009-3UG-PAS	0.012947395	0.013242595	0.013544527	0.013853342	0.014169198	0.014482256	0.0148822679	10/12/2026	10/7/2026
Prq00009-3UG-PAS	-3.201100814	-3.274085913	-3.348735072	-3.425086231	-3.503178197	-3.58305066	-3.664744215	10/12/2026	10/7/2026
Prq00009-3UG-UGAS	3.969527878	4.060033114	4.152601869	4.247281192	4.344119203	4.443165121	4.544469285	10/12/2026	10/7/2026
Prq00009-3UG-UGAS	0.009126918	0.009335012	0.00954785	0.009765541	0.009988196	0.010215926	0.01044885	10/12/2026	10/7/2026
Prq00009-3UG-UGAS	-3.201100814	-3.274085913	-3.348735072	-3.425086231	-3.503178197	-3.58305066	-3.664744215	10/12/2026	10/7/2026
Prq00010-3UG-ALT1								10/12/2026	10/7/2026
Prq00010-3UG-ALT1								10/12/2026	10/7/2026
Prq00010-3UG-ALT1								10/12/2026	10/7/2026
Prq00010-3UG-PAS								10/12/2026	10/7/2026
Prq00010-3UG-PAS	0.017857921	0.018265082	0.018681526	0.019107465	0.019543115	0.019988698	0.02044444	10/12/2026	10/7/2026
Prq00010-3UG-PAS	-1.1657154	-1.192293711	-1.219478008	-1.247282106	-1.275720138	-1.304806557	-1.334556147	10/12/2026	10/7/2026
Prq00010-3UG-UGAS	1.821197987	1.862721301	1.905191346	1.948629709	1.993058466	2.038500199	2.084978004	10/12/2026	10/7/2026
Prq00010-3UG-UGAS	0.008223678	0.008411177	0.008602952	0.0087991	0.00899719	0.009204913	0.009414785	10/12/2026	10/7/2026
Prq00010-3UG-UGAS	-1.1657154	-1.192293711	-1.219478008	-1.247282106	-1.275720138	-1.304806557	-1.334556147	10/12/2026	10/7/2026
Prq00011-3UG-ALT1								10/12/2026	10/7/2026
Prq00011-3UG-ALT1								10/12/2026	10/7/2026
Prq00011-3UG-ALT1								10/12/2026	10/7/2026
Prq00011-3UG-PAS								10/12/2026	10/7/2026
Prq00011-3UG-PAS	0.006291168	0.006434607	0.006581316	0.00673137	0.006884845	0.00704182	0.007202373	10/12/2026	10/7/2026
Prq00011-3UG-PAS	-2.73196692	-2.794255766	-2.857964797	-2.923126395	-2.989773677	-3.057940516	-3.12766156	10/12/2026	10/7/2026
Prq00011-3UG-UGAS	5.610030609	5.737939307	5.868764323	6.00257215	6.139430795	6.279408817	6.422580361	10/12/2026	10/7/2026
Prq00011-3UG-UGAS	0.006291168	0.006434607	0.006581316	0.00673137	0.006884845	0.00704182	0.007202373	10/12/2026	10/7/2026
Prq00011-3UG-UGAS	-2.73196692	-2.794255766	-2.857964797	-2.923126395	-2.989773677	-3.057940516	-3.12766156	10/12/2026	10/7/2026
Prq00012-3UG-ALT1								10/12/2026	10/7/2026
Prq00012-3UG-ALT1								10/12/2026	10/7/2026
Prq00012-3UG-ALT1								10/12/2026	10/7/2026
Prq00012-3UG-PAS								10/12/2026	10/7/2026
Prq00012-3UG-PAS	0.01692579	0.017311698	0.017706405	0.018110111	0.018523021	0.018945346	0.0193773	10/12/2026	10/7/2026
Prq00012-3UG-PAS	-1.401541263	-1.433496403	-1.466180121	-1.499609028	-1.533800114	-1.568770757	-1.60453873	10/12/2026	10/7/2026
Prq00012-3UG-UGAS	2.116463429	2.164718795	2.214047384	2.26455528	2.31618714	2.368996207	2.42300932	10/12/2026	10/7/2026
Prq00012-3UG-UGAS	0.005713517	0.005843785	0.005977023	0.006113299	0.006252882	0.006395244	0.006541055	10/12/2026	10/7/2026
Prq00012-3UG-UGAS	-1.401541263	-1.433496403	-1.466180121	-1.499609028	-1.533800114	-1.568770757	-1.60453873	10/12/2026	10/7/2026
Prq00013-3UG-ALT1								10/12/2026	10/7/2026
Prq00013-3UG-ALT1								10/12/2026	10/7/2026
Prq00013-3UG-ALT1								10/12/2026	10/7/2026
Prq00013-3UG-PAS								10/12/2026	10/7/2026
Prq00013-3UG-PAS	0.011142486	0.011396535	0.011656376	0.011922141	0.012193966	0.012471989	0.01275635	10/12/2026	10/7/2026
Prq00013-3UG-PAS	-2.403236971	-2.458030774	-2.514073876	-2.571139476	-2.630022561	-2.689987075	-2.75131878	10/12/2026	10/7/2026
Prq00013-3UG-UGAS	2.852255338	2.91728676	2.983900898	3.051831558	3.121413318	3.192581542	3.265372401	10/12/2026	10/7/2026
Prq00013-3UG-UGAS	0.011059432	0.011311587	0.011569492	0.011833276	0.012103075	0.012379025	0.012661267	10/12/2026	10/7/2026
Prq00013-3UG-UGAS	-2.403236971	-2.458030774	-2.514073876	-2.571139476	-2.630022561	-2.689987075	-2.75131878	10/12/2026	10/7/2026
Prq00014-3UG-ALT1								10/12/2026	10/7/2026
Prq00014-3UG-ALT1								10/12/2026	10/7/2026
Prq00014-3UG-ALT1								10/12/2026	10/7/2026
Prq00014-3UG-PAS								10/12/2026	10/7/2026
Prq00014-3UG-PAS	0.001323354	0.001353527	0.001384387	0.001415951	0.001448235	0.001481254	0.001515027	10/12/2026	10/7/2026
Prq00014-3UG-PAS	-0.580751284	-0.593992413	-0.60753544	-0.621387248	-0.635554877	-0.650045528	-0.664866566	10/12/2026	10/7/2026
Prq00014-3UG-UGAS	0.67282147	0.688161799	0.703851888	0.71989711	0.736313425	0.753101371	0.770272082	10/12/2026	10/7/2026
Prq00014-3UG-UGAS	0.001323354	0.001353527	0.001384387	0.001415951	0.001448235	0.001481254	0.001515027	10/12/2026	10/7/2026
Prq00014-3UG-UGAS	-0.580751284	-0.593992413	-0.60753544	-0.621387248	-0.635554877	-0.650045528	-0.664866566	10/12/2026	10/7/2026
Prq00015-3UG-ALT1								10/12/2026	10/7/2026
Prq00015-3UG-ALT1								10/12/2026	10/7/2026
Prq00015-3UG-ALT1								10/12/2026	10/7/2026
Prq00015-3UG-PAS								10/12/2026	10/7/2026
Prq00015-3UG-PAS	0.056132885	0.057412715	0.058721724	0.060060658	0.061429961	0.062830564	0.064263101	10/12/2026	10/7/2026
Prq00015-3UG-PAS	-3.140110805	-3.211705332	-3.284932213	-3.359828668	-3.436432761	-3.514783428	-3.59492049	10/12/2026	10/7/2026
Prq00015-3UG-UGAS	4.765527468	4.874181495	4.985312833	5.098977965	5.215234663	5.334142013	5.455760451	10/12/2026	10/7/2026
Prq00015-3UG-UGAS	0.024904629	0.025472455	0.026053227	0.02664724	0.027254797	0.027876207	0.028511784	10/12/2026	10/7/2026
Prq00015-3UG-UGAS	-3.140110805	-3.211705332	-3.284932213	-3.359828668	-3.436432761	-3.514783428	-3.59492049	10/12/2026	10/7/2026
Prq00016-3UG-ALT1								10/12/2026	10/7/2026
Prq00016-3UG-ALT1								10/12/2026	10/7/2026
Prq00016-3UG-ALT1								10/12/2026	10/7/2026
Prq00016-3UG-PAS								10/12/2026	10/7/2026
Prq00016-3UG-PAS	0.2040461	0.208698351	0.213456673	0.218323486	0.223301261	0.22839253	0.233599879	10/12/2026	10/7/2026
Prq00016-3UG-PAS	-0.215592735	-0.220508249	-0.225535838	-0.230678055	-0.235937514	-0.24131689	-0.246818915	10/12/2026	10/7/2026

SPD-37
Pacific Gas and Electric Company
Electrical Undergrounding Program
SPD-37 Table 7: Annual Costs (Capital and O&M) and O&M Savings

rru_id	annual_costs_in_year_50	annual_costs_in_year_51	annual_costs_in_year_52	annual_costs_in_year_53	annual_costs_in_year_54	annual_costs_in_year_55	annual_costs_in_year_56	reporting_date	calculated_date
Prg00016-3UG-UGAS	4.988738295	5.102481528	5.218818107	5.33780716	5.459509163	5.583985972	5.711300852	10/12/2026	10/7/2026
Prg00016-3UG-UGAS								10/12/2026	10/7/2026
Prg00016-3UG-UGAS	0.002225218	0.002275953	0.002327845	0.00238092	0.002435205	0.002490727	0.002547516	10/12/2026	10/7/2026
Prg00016-3UG-UGAS	-0.215592735	-0.220508249	-0.225535838	-0.230678055	-0.235937514	-0.24131689	-0.246818915	10/12/2026	10/7/2026
Prg00017-3UG-ALT1								10/12/2026	10/7/2026
Prg00017-3UG-ALT1								10/12/2026	10/7/2026
Prg00017-3UG-PAS								10/12/2026	10/7/2026
Prg00017-3UG-PAS	0.039807295	0.040714902	0.041643202	0.042592667	0.043563779	0.044557034	0.045572934	10/12/2026	10/7/2026
Prg00017-3UG-PAS	-1.018219853	-1.041435266	-1.06517999	-1.089466093	-1.11430592	-1.139712095	-1.165697531	10/12/2026	10/7/2026
Prg00017-3UG-UGAS	3.047655966	3.117142524	3.188213374	3.260904638	3.335253264	3.411297039	3.489074611	10/12/2026	10/7/2026
Prg00017-3UG-UGAS	0.00392804	0.0040176	0.004109201	0.004202891	0.004298717	0.004396728	0.004496973	10/12/2026	10/7/2026
Prg00017-3UG-UGAS	-1.018219853	-1.041435266	-1.06517999	-1.089466093	-1.11430592	-1.139712095	-1.165697531	10/12/2026	10/7/2026
Prg00018-3UG-ALT1								10/12/2026	10/7/2026
Prg00018-3UG-ALT1								10/12/2026	10/7/2026
Prg00018-3UG-PAS								10/12/2026	10/7/2026
Prg00018-3UG-PAS	0.002583684	0.002642592	0.002702843	0.002764468	0.002827497	0.002891964	0.002957901	10/12/2026	10/7/2026
Prg00018-3UG-PAS	-0.817549853	-0.836189989	-0.855255121	-0.874754938	-0.89469935	-0.915098496	-0.935962741	10/12/2026	10/7/2026
Prg00018-3UG-UGAS	1.135300607	1.161185461	1.187660489	1.214739149	1.242435201	1.270762724	1.299736114	10/12/2026	10/7/2026
Prg00018-3UG-UGAS	0.002583684	0.002642592	0.002702843	0.002764468	0.002827497	0.002891964	0.002957901	10/12/2026	10/7/2026
Prg00018-3UG-UGAS	-0.817549853	-0.836189989	-0.855255121	-0.874754938	-0.89469935	-0.915098496	-0.935962741	10/12/2026	10/7/2026
Prg00019-3UG-ALT1								10/12/2026	10/7/2026
Prg00019-3UG-ALT1								10/12/2026	10/7/2026
Prg00019-3UG-PAS								10/12/2026	10/7/2026
Prg00019-3UG-PAS	0.011784127	0.012052805	0.012327609	0.012608679	0.012896157	0.013190189	0.013490925	10/12/2026	10/7/2026
Prg00019-3UG-PAS	-3.304559812	-3.379903776	-3.456965582	-3.535784397	-3.616400282	-3.698854208	-3.783188084	10/12/2026	10/7/2026
Prg00019-3UG-UGAS	3.926755539	4.016285565	4.107856876	4.201516013	4.297310578	4.395289259	4.495501854	10/12/2026	10/7/2026
Prg00019-3UG-UGAS	0.011784127	0.012052805	0.012327609	0.012608679	0.012896157	0.013190189	0.013490925	10/12/2026	10/7/2026
Prg00019-3UG-UGAS	-3.304559812	-3.379903776	-3.456965582	-3.535784397	-3.616400282	-3.698854208	-3.783188084	10/12/2026	10/7/2026
Prg00020-3UG-ALT1								10/12/2026	10/7/2026
Prg00020-3UG-ALT1								10/12/2026	10/7/2026
Prg00020-3UG-PAS								10/12/2026	10/7/2026
Prg00020-3UG-PAS	0.005766034	0.0058975	0.006031963	0.006169491	0.006310156	0.006454027	0.006601179	10/12/2026	10/7/2026
Prg00020-3UG-PAS	-2.853321442	-2.918377171	-2.98491617	-3.052972259	-3.122580027	-3.193774851	-3.266592918	10/12/2026	10/7/2026
Prg00020-3UG-UGAS	3.137134695	3.208661366	3.281818845	3.356644315	3.433175805	3.511452214	3.591513324	10/12/2026	10/7/2026
Prg00020-3UG-UGAS	0.005766034	0.0058975	0.006031963	0.006169491	0.006310156	0.006454027	0.006601179	10/12/2026	10/7/2026
Prg00020-3UG-UGAS	-2.853321442	-2.918377171	-2.98491617	-3.052972259	-3.122580027	-3.193774851	-3.266592918	10/12/2026	10/7/2026
Prg00021-3UG-ALT1								10/12/2026	10/7/2026
Prg00021-3UG-ALT1								10/12/2026	10/7/2026
Prg00021-3UG-PAS								10/12/2026	10/7/2026
Prg00021-3UG-PAS	0.024576519	0.025136864	0.025709985	0.026296172	0.026895725	0.027508947	0.028136151	10/12/2026	10/7/2026
Prg00021-3UG-PAS	-4.157584265	-4.252377186	-4.349331386	-4.448496142	-4.549921854	-4.653660072	-4.759763522	10/12/2026	10/7/2026
Prg00021-3UG-UGAS	4.904223159	5.016039447	5.130405146	5.247378384	5.367018611	5.488386635	5.61454465	10/12/2026	10/7/2026
Prg00021-3UG-UGAS	0.024576519	0.025136864	0.025709985	0.026296172	0.026895725	0.027508947	0.028136151	10/12/2026	10/7/2026
Prg00021-3UG-UGAS	-4.157584265	-4.252377186	-4.349331386	-4.448496142	-4.549921854	-4.653660072	-4.759763522	10/12/2026	10/7/2026
Prg00022-3UG-ALT1								10/12/2026	10/7/2026
Prg00022-3UG-ALT1								10/12/2026	10/7/2026
Prg00022-3UG-PAS								10/12/2026	10/7/2026
Prg00022-3UG-PAS	0.017984551	0.018394599	0.018813996	0.019242955	0.019681694	0.020130437	0.020589411	10/12/2026	10/7/2026
Prg00022-3UG-PAS	-0.042550394	-0.043520543	-0.044512811	-0.045527703	-0.046565735	-0.047627434	-0.048713339	10/12/2026	10/7/2026
Prg00022-3UG-UGAS	0.46446487	0.475054669	0.485885916	0.496964115	0.508294897	0.51988402	0.531737376	10/12/2026	10/7/2026
Prg00022-3UG-UGAS	0.000294078	0.000300783	0.000307841	0.000314655	0.000321829	0.000329617	0.00033672	10/12/2026	10/7/2026
Prg00022-3UG-UGAS	-0.042550394	-0.043520543	-0.044512811	-0.045527703	-0.046565735	-0.047627434	-0.048713339	10/12/2026	10/7/2026
Prg00023-3UG-ALT1								10/12/2026	10/7/2026
Prg00023-3UG-ALT1								10/12/2026	10/7/2026
Prg00023-3UG-PAS								10/12/2026	10/7/2026
Prg00023-3UG-PAS	0.036740387	0.037578068	0.038434848	0.039311162	0.040207457	0.041124187	0.042061818	10/12/2026	10/7/2026
Prg00023-3UG-PAS	-9.236969231	-9.447572129	-9.662976774	-9.883292644	-10.10863172	-10.33910852	-10.57484019	10/12/2026	10/7/2026
Prg00023-3UG-UGAS	10.1001214	10.33040417	10.56593739	10.80684076	11.05323673	11.30525053	11.56301024	10/12/2026	10/7/2026
Prg00023-3UG-UGAS	0.035079309	0.035879118	0.036697162	0.037533857	0.038389629	0.039264912	0.040160152	10/12/2026	10/7/2026
Prg00023-3UG-UGAS	-9.236969231	-9.447572129	-9.662976774	-9.883292644	-10.10863172	-10.33910852	-10.57484019	10/12/2026	10/7/2026
Prg00024-3UG-ALT1								10/12/2026	10/7/2026
Prg00024-3UG-ALT1								10/12/2026	10/7/2026
Prg00024-3UG-PAS								10/12/2026	10/7/2026
Prg00024-3UG-PAS	0.001291843	0.001321297	0.001351423	0.001382235	0.00141375	0.001445984	0.001478952	10/12/2026	10/7/2026
Prg00024-3UG-PAS	-0.658637606	-0.673254543	-0.689013867	-0.704723383	-0.720791076	-0.737225113	-0.754033845	10/12/2026	10/7/2026
Prg00024-3UG-UGAS	0.738549557	0.755388487	0.772611345	0.790226884	0.808244057	0.826672021	0.845520143	10/12/2026	10/7/2026
Prg00024-3UG-UGAS	0.001291843	0.001321297	0.001351423	0.001382235	0.00141375	0.001445984	0.001478952	10/12/2026	10/7/2026
Prg00024-3UG-UGAS	-0.658637606	-0.673254543	-0.689013867	-0.704723383	-0.720791076	-0.737225113	-0.754033845	10/12/2026	10/7/2026

SPD-37
Pacific Gas and Electric Company
Electrical Undergrounding Program
SPD-37 Table 7: Annual Costs (Capital and O&M) and O&M Savings

rru_id	annual_costs_in_year_50	annual_costs_in_year_51	annual_costs_in_year_52	annual_costs_in_year_53	annual_costs_in_year_54	annual_costs_in_year_55	annual_costs_in_year_56	reporting_date	calculated_date
Prg00025-3UG-ALT1								10/12/2026	10/7/2026
Prg00025-3UG-ALT1								10/12/2026	10/7/2026
Prg00025-3UG-ALT1								10/12/2026	10/7/2026
Prg00025-3UG-PAS								10/12/2026	10/7/2026
Prg00025-3UG-PAS	0.003760001	0.003845729	0.003933412	0.004023094	0.00411482	0.004208638	0.004304595	10/12/2026	10/7/2026
Prg00025-3UG-PAS	-1.405929734	-1.437984932	-1.470770989	-1.504304567	-1.538602712	-1.573682853	-1.609562822	10/12/2026	10/7/2026
Prg00025-3UG-UGAS	1.613249973	1.650032073	1.687652804	1.726131288	1.765487081	1.805740187	1.846911063	10/12/2026	10/7/2026
Prg00025-3UG-UGAS								10/12/2026	10/7/2026
Prg00025-3UG-UGAS	0.003760001	0.003845729	0.003933412	0.004023094	0.00411482	0.004208638	0.004304595	10/12/2026	10/7/2026
Prg00025-3UG-UGAS	-1.405929734	-1.437984932	-1.470770989	-1.504304567	-1.538602712	-1.573682853	-1.609562822	10/12/2026	10/7/2026
Prg00026-3UG-ALT1								10/12/2026	10/7/2026
Prg00026-3UG-ALT1								10/12/2026	10/7/2026
Prg00026-3UG-ALT1								10/12/2026	10/7/2026
Prg00026-3UG-PAS								10/12/2026	10/7/2026
Prg00026-3UG-PAS	0.003455415	0.003534198	0.003614778	0.003697195	0.003781491	0.003867709	0.003955893	10/12/2026	10/7/2026
Prg00026-3UG-PAS	-1.906641609	-1.950113037	-1.994575615	-2.040051939	-2.086565123	-2.134138808	-2.182797173	10/12/2026	10/7/2026
Prg00026-3UG-UGAS	2.16238999	2.211692482	2.262119071	2.313695386	2.36644764	2.420402647	2.475587827	10/12/2026	10/7/2026
Prg00026-3UG-UGAS								10/12/2026	10/7/2026
Prg00026-3UG-UGAS	0.003455415	0.003534198	0.003614778	0.003697195	0.003781491	0.003867709	0.003955893	10/12/2026	10/7/2026
Prg00026-3UG-UGAS	-1.906641609	-1.950113037	-1.994575615	-2.040051939	-2.086565123	-2.134138808	-2.182797173	10/12/2026	10/7/2026
Prg00027-3UG-ALT1								10/12/2026	10/7/2026
Prg00027-3UG-ALT1								10/12/2026	10/7/2026
Prg00027-3UG-ALT1								10/12/2026	10/7/2026
Prg00027-3UG-PAS								10/12/2026	10/7/2026
Prg00027-3UG-PAS	0.001375863	0.001407232	0.001439317	0.001472134	0.001505698	0.001540028	0.001575141	10/12/2026	10/7/2026
Prg00027-3UG-PAS	-0.643361127	-0.658029761	-0.673032839	-0.688377988	-0.704073006	-0.72012587	-0.73654474	10/12/2026	10/7/2026
Prg00027-3UG-UGAS	0.701587614	0.717583812	0.733944723	0.750678663	0.767794136	0.785299842	0.803204679	10/12/2026	10/7/2026
Prg00027-3UG-UGAS								10/12/2026	10/7/2026
Prg00027-3UG-UGAS	0.001375863	0.001407232	0.001439317	0.001472134	0.001505698	0.001540028	0.001575141	10/12/2026	10/7/2026
Prg00027-3UG-UGAS	-0.643361127	-0.658029761	-0.673032839	-0.688377988	-0.704073006	-0.72012587	-0.73654474	10/12/2026	10/7/2026
Prg00028-3UG-ALT1								10/12/2026	10/7/2026
Prg00028-3UG-ALT1								10/12/2026	10/7/2026
Prg00028-3UG-ALT1								10/12/2026	10/7/2026
Prg00028-3UG-PAS								10/12/2026	10/7/2026
Prg00028-3UG-PAS	0.007592767	0.007765882	0.007942945	0.008124044	0.008309272	0.008498723	0.008692494	10/12/2026	10/7/2026
Prg00028-3UG-PAS	-1.708068007	-1.747011958	-1.78684383	-1.827583869	-1.869252782	-1.911871745	-1.955462421	10/12/2026	10/7/2026
Prg00028-3UG-UGAS	2.289558503	2.321304437	2.374230178	2.428362626	2.483729294	2.540358322	2.598278491	10/12/2026	10/7/2026
Prg00028-3UG-UGAS								10/12/2026	10/7/2026
Prg00028-3UG-UGAS	0.003024803	0.003093769	0.003164307	0.003236453	0.003310244	0.003385718	0.003462912	10/12/2026	10/7/2026
Prg00028-3UG-UGAS	-1.708068007	-1.747011958	-1.78684383	-1.827583869	-1.869252782	-1.911871745	-1.955462421	10/12/2026	10/7/2026

ATTACHMENT 7

TABLE C.14

Please see PGE_EUPERR_2026-10-12_Tabular Data_R0.zip and reference the following file:

- PGE_EUPERR_2026-10-12_T14_R0.csv

ATTACHMENT 8
VOL. 1, CHAPTER 5, SECTION C.3.C

Please see the PDF following this cover sheet.

2) Mitigation Effectiveness

Project Variable Modifiers (PVM) are used in the WBCA to determine the effectiveness and therefore the resulting benefits (i.e., risk reduced) for each mitigation. (See Chapter 7, Section K, PVMs, for the details of how these values are calculated.)

c. Cost Containment Strategies Including Economies of Scale Necessary to Reduce Wildfire Risk and Mitigation Costs (EUP Guidelines Section 2.5.3(c))

Managing undergrounding costs is an integral part of PG&E's Undergrounding Program. Our cost containment strategy includes two key components: (1) sourcing strategies; and (2) work execution strategies. By implementing many of the sourcing and work execution strategies detailed below, PG&E has already reduced the unit cost of undergrounding by more than \$1 million per mile. As certainty of long-term undergrounding plans increases through approval of our EUP, PG&E expects to be able to generate greater economies of scale with internal crews, contractors, materials suppliers, designers and others. We anticipate continuing to drive cost savings over the 10-year period, saving approximately ~~\$220,000~~\$150,000 per mile by 2037. When scaled across the thousands of miles being proposed in the EUP, these efficiencies are estimated to reduce unit costs by ~~\$746~~496 million over the 10-year period, before escalation. (See Target/Timeline Table for the declining annual unit cost targets over the EUP period.)¹⁴⁸

Specific cost containment strategies are described in more detail below.

1) Sourcing Strategies to Reduce Program Costs

PG&E is testing and validating how different sourcing approaches can reduce undergrounding costs. As noted above, approval of the EUP will increase certainty in the volume of undergrounding work over the 10-year EUP:

¹⁴⁸ The Target / Timeline Table is provided in Progress Report 0 as Table A-2 (in Attach. A), and as required in EUP Guidelines Section 2.3.1.k, PG&E has included an excel workbook in Attach. B, WP002 (EUP Target / Timeline Table).

ATTACHMENT 9

TYPOGRAPHICAL CORRECTIONS AND INADVERTENT ERRORS

Please see the PDF following this cover sheet for updates to:

- Volume 1:
 - Chapter 1, Section D.3 (p. 17)
 - Chapter 1, Section D.3, (p. 18)
 - Chapter 1, Section D.3 (p. 18)
 - Chapter 1, Section D.3 (p. 19)
 - Chapter 1, Section D.4 (p. 20)
 - Chapter 1, Section D.4 (p. 20)
 - Chapter 1, Section D.5 (p. 21)
 - Chapter 1, Section D.9 (p. 26)
 - Chapter 1, Section D.9 (p. 26)
 - Chapter 2, Section D.2 (p. 56):

Please also see PGE_EUPERR_2026-10-12_Tabular Data_R0.zip and reference the following file:

- PGE_EUPERR_2026-10-12_T8_R0.csv

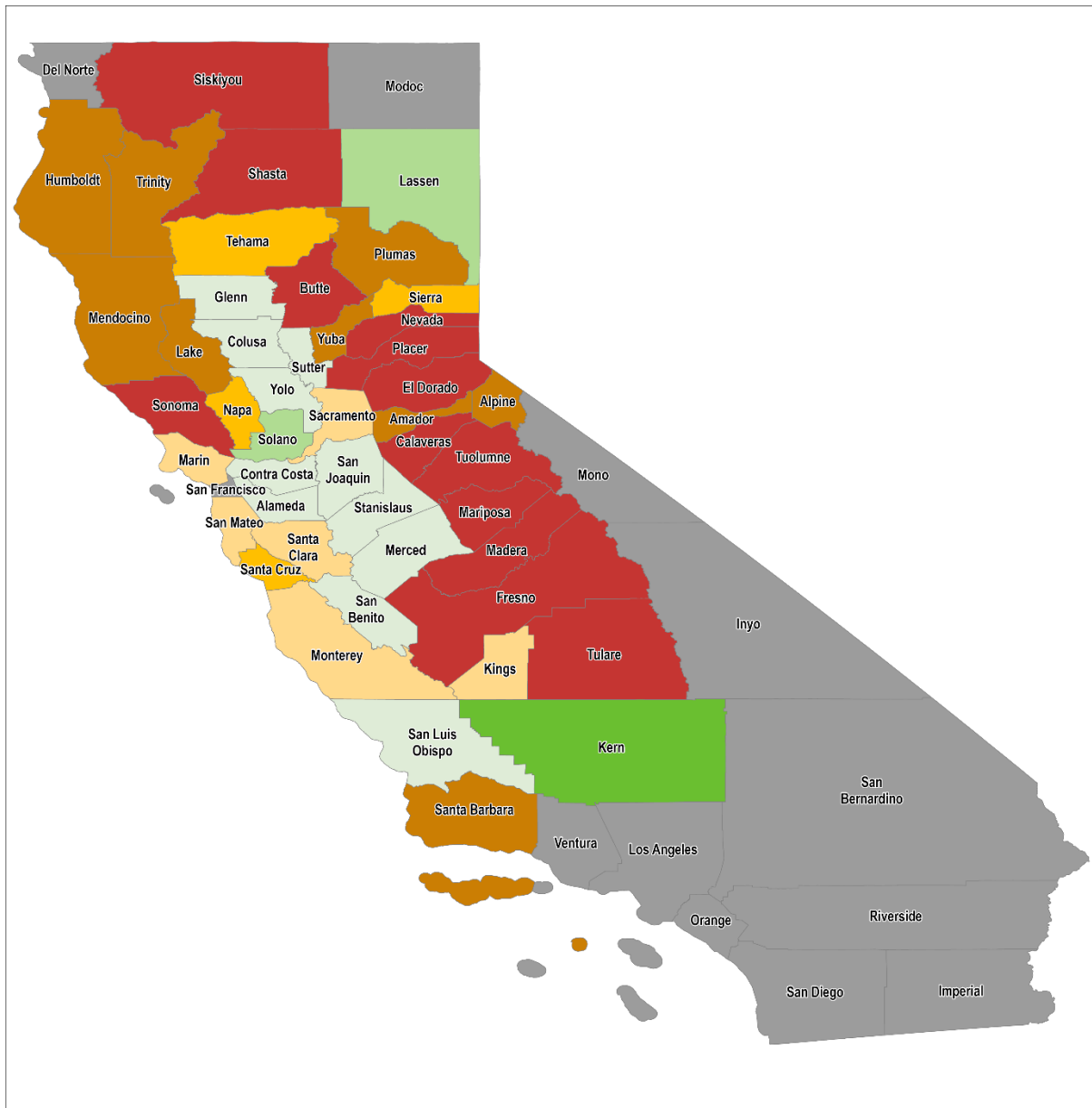
1 reduce future wildfire impacts.²⁸ The proposed undergrounding
2 investments materially reduce annual losses attributable to climate change
3 from approximately 7 percent to less than 1 percent by 2037.²⁹ The
4 benefits of the proposed EUP are even more pronounced for severe wildfire
5 scenarios—reducing climate-driven extreme losses³⁰ by approximately
6 \$1.2 billion and most-extreme losses³¹ by approximately \$869 million.³²
7 Thus, in addition to reducing current wildfire risk, these results demonstrate
8 that undergrounding also strengthens system resilience against worsening
9 future wildfire conditions.

10 Figure 1-2 below illustrates the increased risk of extreme losses
11 (i.e., 1-in-100-year losses) in PG&E’s service territory due to forecast
12 climate change impacts from 2028 to 2037. As illustrated, there are
13 ~~45~~13 counties that can expect to see a significant increase in forecasted
14 extreme losses of more than \$100 million.

15 Figure 1-3 illustrates the anticipated reduction in losses from extreme
16 wildfires (i.e., 1-in-100-year losses) by 2037 in PG&E’s service territory
17 resulting from the reduction of wildfire risk due to this EUP. Overall, we
18 forecast that 30 counties will see a decrease in extreme losses in areas
19 where PG&E expects to underground overhead lines.

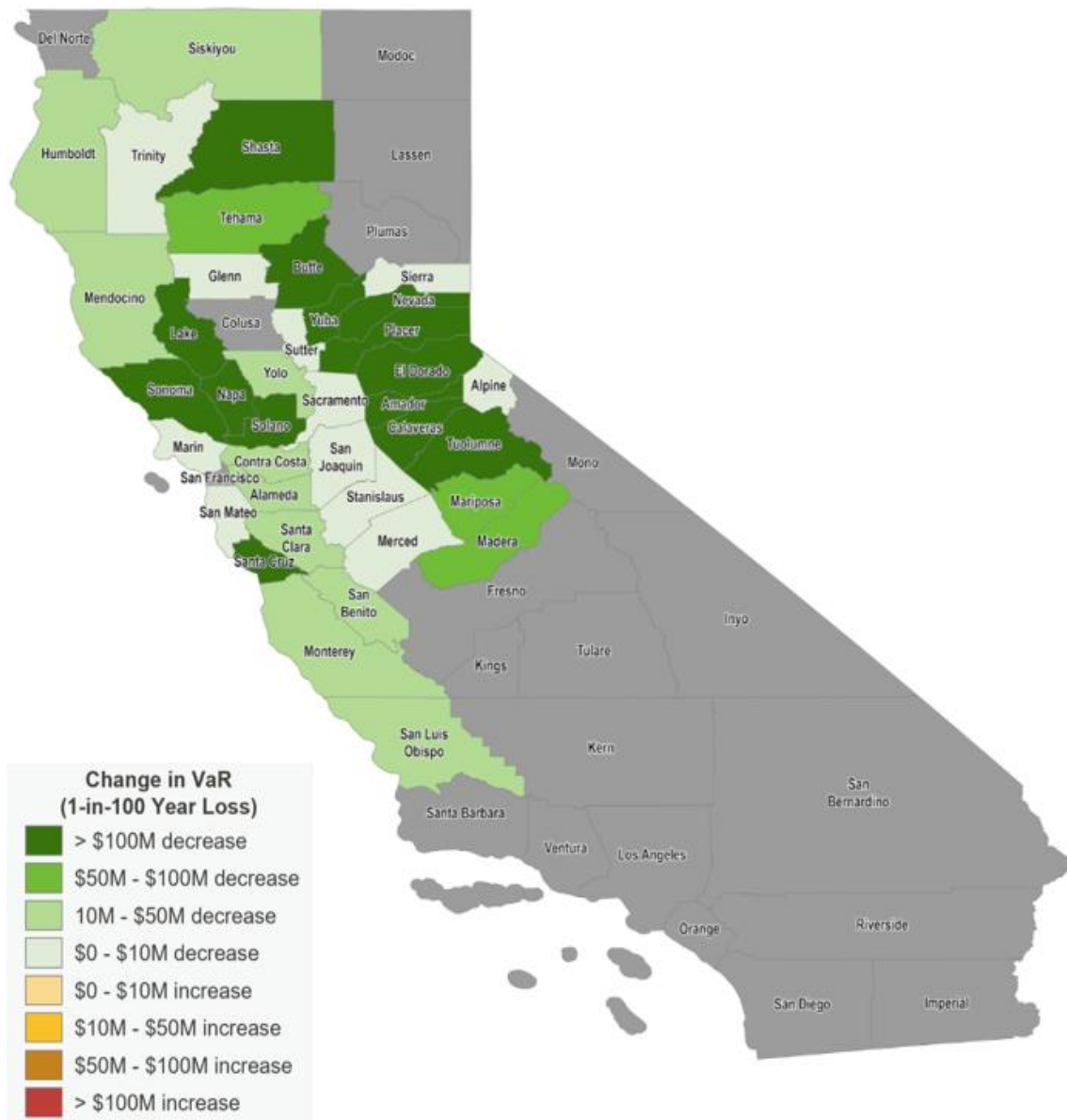
-
- 28** California Earthquake Authority, Enhancing California's Resiliency to Natural Catastrophes, SB 254 (2025) Study Report (Apr. 7, 2026); California Natural Resources Agency, California Climate Adaptation Strategy, Summary of Projected Climate Change Impacts on California. <https://climateresilience.ca.gov/overview/impacts.html> (accessed July 19, 2026).
- 29** Attach. B, WP005 (Marsh, Third Party Impact Analysis of PG&E’s 10-Year Undergrounding Plan, September 2026, p. ~~79~~9).
- 30** Extreme loss refers to the 99th percentile worst year (largest financial loss) PG&E can experience. This is also interpreted as the worst year out of 100 simulated years.
- 31** Most extreme loss refers to the average of all years where losses are worse than the Extreme Loss. This is interpreted as the volatility in the tail-end beyond the 99th percentile.
- 32** Attach. B, WP005 (Marsh, Third Party Impact Analysis of PG&E’s 10-Year Undergrounding Plan, September 2026, p. ~~79~~9).

FIGURE 1-2
CHANGE IN FORECAST LOSSES FROM EXTREME LOSSES IN PG&E'S SERVICE TERRITORY DUE TO CLIMATE CHANGE FROM 2028-2037



Note: 1-in-100 Year VaR is Extreme Loss, defined as the 99th percentile worst year (largest financial loss) that could be experienced. This is also interpreted as the worst year out of 100 simulated years. Attach. B, WP005 (Marsh, Third Party Impact Analysis of PG&E's 10-Year Undergrounding Plan, September 2026, p. 79).

**FIGURE 1-3:
CHANGE IN FORECAST LOSSES FROM EXTREME LOSSES IN PG&E'S SERVICE
TERRITORY DUE TO THE EUP IN 2037 AS COMPARED TO FIGURE 1-2**



Note: 1-in-100 Year VaR is Extreme Loss, defined as the 99th percentile worst year (largest financial loss) that could be experienced. This is also interpreted as the worst year out of 100 simulated years. Attach. B, WP005 (Marsh, Third Party Impact Analysis of PG&E's 10-Year Undergrounding Plan, September 2026, p. 79).

Given the impacts of climate change, the cost of inaction or less effective mitigations can be substantial. Now is the time to invest in effective, permanent mitigations to prevent future wildfires.

4. Reducing the Severity and Frequency of Utility-Caused Wildfires

From 2014-2024, approximately 81 percent of the losses due to wildfires in PG&E's service territory were attributed to electrical power infrastructure (distribution and transmission systems) even though electrical power infrastructure was the cause of only 9 percent of wildfires.³³ Given the severity of recent fires, the growing threats from climate change and the lasting damage that wildfires cause in our communities, it is imperative that we do everything possible to reduce the likelihood that our infrastructure will cause a wildfire.

The undergrounding work in our EUP, along with overhead hardening and remote grid work and other wildfire mitigation activities presented in our Wildfire Mitigation Plans, will allow us to significantly reduce wildfire risk, reliability risk, and the associated economic losses in our service territory. The EUP will help mitigate significant residential and commercial losses due to utility-caused wildfire risk by approximately 21 percent. See Table 1-4 below for the summary of annual customer losses due to wildfire that would be avoided due to the implementation of our EUP.³⁴

**TABLE 1-4:
FORECAST OF ANNUAL AVOIDED RESIDENTIAL AND COMMERCIAL LOSSES DUE
TO UTILITY-RELATED WILDFIRE FROM 2028 – 2037 DUE TO EUP IMPLEMENTATION**

Line No	Type of Losses	Reduction in Losses (\$M)	Reduction in Losses (%)
1	Average Annual Losses	\$24M	21%
2	Extreme Losses	\$533M	20%
3	Most Extreme Losses	\$699M	12%

³³ Attach B, WP005 (Marsh, Third Party Impact Analysis of PG&E's 10-Year Undergrounding Plan, September 2026, p. 34).

³⁴ *Id.*, pp. 3-4-5.

5. Decreasing Losses to PG&E's Distribution Infrastructure

Climate impacts and infrastructure costs are closely linked because changing environmental conditions directly affect both the performance and lifespan of infrastructure assets, while also driving the need for new investments. As climate change increases the frequency and severity of weather-related hazards, it leads to faster equipment degradation, higher failure rates, and reduced asset lifespans, particularly for overhead electric assets exposed to the weather. These physical impacts translate into rising costs through more frequent repairs, increased operations and maintenance expenses, and higher replacement needs for damaged assets. Ultimately this drives significant long-term increases in infrastructure investment and total system costs that must be borne by customers.³⁵

PG&E currently faces an estimated average annual loss of \$512 million due to damage to our distribution infrastructure caused by wildfires.³⁶ By 2037, this average annual loss is expected to increase to approximately \$584 million or an increase of 14 percent due to climate change.³⁷ Due to our proposed undergrounding work, we expect our average annual losses to distribution infrastructure from wildfire damage to decrease by approximately \$83 million or 17 percent for the remaining lifetime of distribution assets in the HFTD.³⁸

6. Continuing the Successful Trajectory of the Undergrounding Program

PG&E's EUP builds on the strong foundation of the Undergrounding Program established through prior General Rate Case (GRC) decisions and reflects years of programmatic learning, innovation, and execution. The Program has matured considerably since its inception — expanding from rebuilding communities affected by wildfire, to proactively hardening facilities across High Fire-Threat Districts (HFTD), and increasingly applying targeted

³⁵ Fant, et al., Science Direct, Vol. 195, Climate change impacts and costs to U.S. electricity transmission and distribution infrastructure (Mar. 15, 2020), available at: https://www.sciencedirect.com/science/article/pii/S0360544220300062?fr=RR-2&ref=pdf_download&rr=a06930fetc5f1321 (accessed June 4, 2026).

³⁶ Attach. B, WP005 (Marsh, Third Party Impact Analysis of PG&E's 10-Year Undergrounding Plan, September 2026, p. ~~40~~¹²).

³⁷ *Id.*

³⁸ *Id.*

1 The increasing risk and losses attributable to wildfire are the primary
2 drivers of increased costs and insurance policy cancellations. By
3 significantly reducing the risk of wildfire associated with utility infrastructure
4 through undergrounding, we are addressing a key driver of the insurance
5 market instability in California. All else being equal, it is estimated that
6 during the 10-year EUP period, the wildfire risk reduction achieved from
7 undergrounding could facilitate a reduction in homeowner insurance
8 premiums for commercially-available insurance plans in our service territory
9 of over 18 percent.⁴⁹

10 **E. Basic Information (EUP Guidelines Section 2.2)**

The EUP must include basic information about the Large Electrical Corporation, including, but not limited to:

- a. The legal name of the Large Electrical Corporation.*
- b. The number of customer accounts to show qualification as a Large Electrical Corporation.*
- c. A list of the persons responsible for preparing the EUP, including executive-level owner with overall responsibility; program owners with responsibility for specific components; and the primary contact for Energy Safety and stakeholder general questions. Include names, titles, areas of responsibility, and contact information.*

11 PG&E's legal name is: Pacific Gas and Electric Company, a subsidiary of
12 PG&E Corporation. PG&E has approximately 5.5 million electric customer
13 accounts and approximately 4.5 million natural gas customer accounts.

14 A list of persons responsible for preparing the EUP and their contact
15 information is included in Table 1-5 below.

⁴⁹ Attach. B, WP005 (Marsh, Third Party Impact Analysis of PG&E's 10-Year Undergrounding Plan, September 2026, p. 4214.)

$$\begin{aligned} \text{Formula: } & \frac{\% \text{ of WDRM v.3 risk at Portfolio—Level}}{\# \text{ of } \frac{\text{HFTD}}{\text{HFRA}} \text{ primary OH miles at Portfolio—Level}} \\ & = \frac{\% \text{ of WDRM v.3 risk at Portfolio-Level}}{\# \text{ of HFTD/HFRA primary OH miles at Portfolio-Level}} \\ & = \% \text{ per mile} \end{aligned}$$

$$\text{PG\&E EUP: } \frac{67\% \text{ of WDRM v.3 risk}}{11,029 \text{ miles}} = 0.0061\% \text{ per mile}$$

2) **WDRM v4:** The same calculation using WDRM v4 risk to calculate risk per mile in the proposed EUP workplan.

$$\text{Formula: } \frac{\% \text{ of WDRM v.4 risk at Portfolio—Level}}{\# \text{ of HFTD/HFRA primary OH miles at Portfolio—Level}} = \% \text{ per mile}$$

$$\text{PG\&E EUP: } \frac{54\% \text{ of WDRM v4 risk}}{11,029 \text{ miles}} = 0.0049\% \text{ per mile}$$

Note, PG&E's enterprise risk and wildfire distribution risk models include HFRA in their risk calculations because PG&E considers these areas to be high risk. However, as explained in Chapter 3, Section D.1.a, PG&E's EUP does not include underground Subprojects in HFRAs except the two adjacent spans allowed per the EUP Guidelines. (EUP Guidelines Section 2.4.3.1) Chapter 3, Section D.1. explains that PG&E may file a Petition for Modification to expand Tier 2 and Tier 3 HFTDs to include HFRA. If the HFTD maps are updated, PG&E may reassess Circuit Segment eligibility for the EUP.

3) Variance Between WDRM Models: Variance Is Assessed by Comparing WDRM v3 Risk Density Against WDRM v4 Risk Density.

$$\text{Formula: } 1 - \frac{\text{WDRM v.4 risk } \% \text{ per mile}}{\text{WDRM v.3 risk } \% \text{ per mile}} = \text{risk } \% \text{ variance}$$

$$\text{PG\&E EUP: } 1 - \frac{0.0049\%}{0.0061\%} = 20\% \text{ risk variance}^* \quad (0.005\%)/(0.006\%) = 20\% \text{ risk variance}$$