Pacific Gas and Electric Company®

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October 30, 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, Substantive Errata Ver. 2

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 second substantive errata for the EUP. Because more than 10 days have passed since PG&E submitted its complete EUP, the Guidelines require PG&E to request permission through a written request to the Deputy Director prior to filing a substantive errata. PG&E submitted that request, and on October 29, 2026, Energy Safety staff notified PG&E via email that Deputy Director Tony Marino had approved PG&E's request to submit this second substantive errata. This errata is in addition to the substantive errata submitted to the Docket on October 12, 2026.

PG&E's substantive errata is listed in Table 1 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

Issue	Description / Reason for Correction	EUP Section(s), Page(s), Table(s) or Figures	Attachment Reference
1. Fire Rebuild Circuit Segments	PG&E is clarifying that of the 844 Fire Rebuild Circuit Segments identified, 581 are located within the High Fire-Threat District (HFTD).	• Vol 1, Chapter 3, Section A.2 (p. 99)	See Attachment 1
2: Target Timeline Table Endnote	PG&E proposes to revise endnote (d) of the Target/Timeline Table to clarify that the reported values represent risk reduction (the	Target Timeline Table • Vol 1: Chapter 2, Table 2-12 (p. 74) • Vol 2: Attachment	See Attachment 2

Issue	Description / Reason for Correction	EUP Section(s), Page(s), Table(s) or Figures	Attachment Reference
	difference between projected unmitigated and post-mitigation residual risk) rather than separate pre- and post-project risk levels, and to distinguish the Year 10 instantaneous values from the 55-year cumulative values, including applicable inflation and climate escalation adjustments.	A: Progress Report 0, Table A-2 (p. 439) • Vol 2: Attachment B, Workpaper 002 (p. 506)	
3. Climate and inflation escalation adjustments in Tables PCS-4 and PCS-5	PG&E proposes to correct the application of climate and inflation escalation adjustments in Tables PCS-4 and PCS-5, including removing both adjustments currently reflected in Ignition Likelihood which were incorrectly inflated. Instead, we will apply the climate escalation to Ignition Consequence. For Outage Consequence, we will apply the climate escalation to Outage Likelihood. The revised tables will reflect the following treatment for each KDMM: • Ignition Consequence: Apply both climate and inflation escalation adjustments. • Ignition Likelihood: Apply neither climate nor inflation escalation adjustments. • Outage Consequence: Apply inflation adjustments only. • Outage Likelihood: Apply climate escalation adjustments only.	Table PCS-4 Instantaneous Risk Scores for Each KDMM and Table PCS-5 Cumulative Risk Scores for each KDMM found in: • Vol 1, Chapter 9 (pp. 411-412) • Vol 2, Attach A-1, Portfolio Coversheet (pp. 455-456)	See Attachment 3

Issue	Description / Reason for Correction	EUP Section(s), Page(s), Table(s) or Figures	Attachment Reference
4. Cumulative Risk Score Correction in PCS-Table 5	In Table PCS-5, PG&E is updating all risk and likelihood KDMM values starting in Year 1 to reflect the cumulative values, which are currently listed as incremental annual values. We are proposing to make this change because we inadvertently did not include Year 0 in the cumulative values for each KDMM.	PCS-5 Cumulative Risk Scores for each KDMM found in: • Vol 1, Chapter 9 (pp. 411-412) • Vol 2, Attach A-1, Portfolio Coversheet (pp. 455-456)	See Attachment 3
5: JSON Model Risk Landscape	Year 0 currently shows mitigated risk values, even though risk mitigation begins in Year 1 (2028). PG&E proposes to update the file to show unmitigated risk in Year 0. Additionally, PG&E proposes to update all Likelihood and Consequence values to be consistent with how they are calculated and presented in Tables PCS-4 and PCS-5 as recommended in item 3.	• Vol 2, Attachment A-4: JSON Model Risk Landscape (pp. 486)	See Attachment 4 and tabular data ZIP file
6: Societal Discount Rate	PG&E proposes to correct the Societal Discount Rate reported in SPD-37 Data Table 1 and reflected in the associated risk and cost data by replacing -0.27% with 2.0%. The 2.0% Societal Discount Rate is already expressed as a real rate; however, PG&E inadvertently applied an additional inflation adjustment in the EUP as filed, resulting in the reported rate of -0.27%. The correction applies the 2.0% real rate directly without an additional adjustment for inflation.	• Vol 2, Attach D: SPD-37 Table 1: Data Set (pp. 1190)	See Attachment 5 and tabular data ZIP file

Most of 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 Strategy and
Program Management

ATTACHMENT 1

VOLUME 1: CHAPTER 3, SECTION A.2

Please see the PDF following this cover sheet.

PG&E identified 844 Circuit Segments, of which 581 are in a Fire Rebuild Area in the HFTD. These Circuit Segments will follow the Project Acceptance Framework outlined in this chapter.

Immediately after a wildfire, PG&E conducts a damage assessment and determines if damaged assets require hardening. Damaged assets that require hardening are considered for Fire Rebuild. System hardening is deployed where significant rebuilding is required (e.g., four or more spans and/or segments with intermittent damage). In this case, PG&E will add the Circuit Segments to the population of Fire Rebuild Circuit Segments in the HFTD and provide all required information about the wildfire and impacted facilities in the Progress Report. Circuits Segments identified in this way are potential Fire Rebuild Projects. It is important to note that not all Circuit Segments that are in a Fire Rebuild Area are potential Fire Rebuild Projects. A Circuit Segment is only prioritized as a Fire Rebuild Project if it is reviewed according to the damage assessment process described in this paragraph and in Figure 3-2 below.

ATTACHMENT 2

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

	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)]
Line No.	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	$22	$2,221	$51	$6,289
2	2	1/1/2029 - 12/31/2029	300	240	550	800	3.10	3.03	28	2,749	17	1,796
3	3	1/1/2030 - 12/31/2030	350	280	900	1,000	3.14	3.00	25	2,484	37	4,106
4	4	1/1/2031 - 12/31/2031	450	360	1,350	1,150	3.18	2.98	29	2,816	51	5,335
5	5	1/1/2032 - 12/31/2032	550	440	1,900	1,225	3.23	2.96	30	2,846	48	6,613
6	6	1/1/2033 - 12/31/2033	600	480	2,500	1,250	3.30	2.95	30	2,920	54	7,274
7	7	1/1/2034 - 12/31/2034	625	500	3,125	1,250	3.36	2.94	28	2,759	58	7,185
8	8	1/1/2035 - 12/31/2035	625	500	3,750	1,250	3.42	2.92	25	2,314	67	7,125
9	9	1/1/2036 - 12/31/2036	625	500	4,375	625	3.49	2.91	21	2,031	75	9,319
10	10	1/1/2037 - 12/31/2037	625	500	5,000	0	3.56	2.90	19	1,769	95	13,629
11	End Total	12/31/2037	5,000	4,000	5,000	0			$255	$24,908	$554	$68,670

(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.~~

(d) Change in Instantaneous Wildfire Risk at Year 10 and Change in Instantaneous Outage Program Risk at Year 10 represents the difference between the circuit segment's projected unmitigated risk and post-mitigation residual risk in 2037. Both values reflect applicable inflation and climate escalation adjustments. Change in Cumulative Wildfire Risk Over 55 Years and Change in Cumulative Outage Program Risk Over 55 Years represent the cumulative difference between the circuit segment's projected unmitigated risk and post-mitigation residual risk over the 55-year evaluation period. Both values reflect applicable inflation and climate escalation adjustments throughout the evaluation period.

(e) Totals may not exactly equal the sum of individual values because figures are rounded independently.

ATTACHMENT 3

TABLES PCS-4 AND PCS-5

Table PCS-4 Instantaneous Risk Scores for Each KDMM and Table PCS-5 Cumulative Risk Scores for each KDMM 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~~ 1.006	~~$492.776~~ $14.084	$47.819	~~629.762~~ 57,031	~~$0.076~~ $0.0008
2	1	~~$0.692~~ $2.696	~~$0.692~~ $2.250	~~0.001~~ $0.086	~~$492.776~~ $26.251	~~$0.000~~ $0.446	~~0.000~~ 1,209	~~$0.076~~ $0.0004
3	2	~~$0.713~~ $0.692	~~$0.713~~ $0.692	~~0.001~~ $0.056	~~$492.776~~ $12.321	$0.000	0.000	~~$0.076~~ $0.0000
4	3	~~$0.729~~ $0.713	~~$0.729~~ $0.713	~~0.001~~ $0.056	~~$492.776~~ $12.699	$0.000	0.000	~~$0.076~~ $0.0000
5	4	~~$0.746~~ $0.729	~~$0.746~~ $0.729	~~0.002~~ $0.056	~~$492.776~~ $12.989	$0.000	0.000	~~$0.076~~ $0.0000
6	5	~~$0.763~~ $0.746	~~$0.763~~ $0.746	~~0.002~~ $0.056	~~$492.776~~ $13.286	$0.000	0.000	~~$0.076~~ $0.0000
7	6	~~$0.780~~ $0.763	~~$0.780~~ $0.763	~~0.002~~ $0.056	~~$492.776~~ $13.589	$0.000	0.000	~~$0.076~~ $0.0000
8	7	~~$0.798~~ $0.780	~~$0.798~~ $0.780	~~0.002~~ $0.056	~~$492.776~~ $13.898	$0.000	0.000	~~$0.076~~ $0.0000
9	8	~~$0.816~~ $0.798	~~$0.816~~ $0.798	~~0.002~~ $0.056	~~$492.776~~ $14.215	$0.000	0.000	~~$0.076~~ $0.0000
10	9	~~$0.835~~ $0.816	~~$0.835~~ $0.816	~~0.002~~ $0.056	~~$492.776~~ $14.539	$0.000	0.000	~~$0.076~~ $0.0000
11	10	~~$0.854~~ $0.835	~~$0.854~~ $0.835	~~0.002~~ $0.056	~~$492.776~~ $14.870	$0.000	0.000	~~$0.076~~ $0.0000
12	15	$0.955	$0.955	~~0.002~~ $0.056	~~$492.776~~ $17.016	$0.000	0.000	~~$0.076~~ $0.0000
13	20	$1.069	$1.069	~~0.002~~ $0.056	~~$492.776~~ $19.033	$0.000	0.000	~~$0.076~~ $0.0000
14	25	$1.221	$1.221	~~0.002~~ $0.056	~~$492.776~~ $21.756	$0.000	0.000	~~$0.076~~ 0000
15	30	$1.416	$1.416	~~0.003~~ $0.056	~~$492.776~~ $25.217	$0.000	0.000	~~$0.076~~ $0.0000
16	35	$1.640	$1.640	~~0.003~~ $0.056	~~$492.776~~ $29.207	$0.000	0.000	~~$0.076~~ $0.0000
17	40	$1.898	$1.898	~~0.004~~ $0.056	~~$492.776~~ $33.804	$0.000	0.000	~~$0.076~~ $0.0000

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	$2.195	$2.195	~~0.004~~ $0.056	~~$492.776~~ $39.099	$0.000	0.000	~~$0.076~~ $0.0000
19	50	$2.537	$2.537	~~0.005~~ $0.056	~~$492.776~~ $45.194	$0.000	0.000	~~$0.076~~ $0.0000
20	55	$2.931	$2.931	~~0.006~~ $0.056	~~$492.776~~ $52.206	$0.000	0.000	~~$0.076~~ $0.0000

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

			Ignition			Outage		
Line No.	Year	OUR ~~(2028, $~~ ($M)	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~~ 1.006	~~$492.776~~ $14.084	$47.819	~~629.762~~ 57,031	~~$0.076~~ $0.000838
2	1	~~$1.363~~ $64.678	~~$1.363~~ $16.413	~~0.003~~ 1.091	~~$492.776~~ $15.039	~~$0.000~~ $48.265	~~0.000~~ 58,240	~~$0.076~~ $0.000829
3	2	~~$2.076~~ $65.370	~~$2.076~~ $17.105	~~0.004~~ 1.147	~~$492.776~~ $14.906	~~$0.000~~ $48.265	~~0.000~~ 58,240	~~$0.076~~ $0.000829
4	3	~~$2.805~~ $66.083	~~$2.805~~ $17.818	~~0.006~~ 1.204	~~$492.776~~ $14.804	~~$0.000~~ $48.265	~~0.000~~ 58,240	~~$0.076~~ $0.000829
5	4	~~$3.551~~ $66.812	~~$3.551~~ $18.547	~~0.007~~ 1.260	~~$492.776~~ $14.723	~~$0.000~~ $48.265	~~0.000~~ 58,240	~~$0.076~~ $0.000829
6	5	~~$4.314~~ $67.558	~~$4.314~~ $19.293	~~0.009~~ 1.316	~~$492.776~~ $14.661	~~$0.000~~ $48.265	~~0.000~~ 58,240	~~$0.076~~ $0.000829
7	6	~~$5.094~~ $68.320	~~$5.094~~ $20.056	~~0.010~~ 1.372	~~$492.776~~ $14.617	~~$0.000~~ $48.265	~~0.000~~ 58,240	~~$0.076~~ $0.000829
8	7	~~$5.892~~ $69.101	~~$5.892~~ $20.836	~~0.012~~ 1.428	~~$492.776~~ $14.589	~~$0.000~~ $48.265	~~0.000~~ 58,240	~~$0.076~~ $0.000829
9	8	~~$6.708~~ $69.899	~~$6.708~~ $21.634	~~0.014~~ 1.484	~~$492.776~~ $14.575	~~$0.000~~ $48.265	~~0.000~~ 58,240	~~$0.076~~ $0.000829
10	9	~~$7.543~~ $70.715	~~$7.543~~ $22.450	~~0.015~~ 1.540	~~$492.776~~ $14.574	~~$0.000~~ $48.265	~~0.000~~ 58,240	~~$0.076~~ $0.000829
11	10	~~$8.397~~ $71.550	~~$8.397~~ $23.285	~~0.017~~ 1.597	~~$492.776~~ $14.584	~~$0.000~~ $48.265	~~0.000~~ 58,240	~~$0.076~~ $0.000829
12	15	~~$12.965~~ $76.972	~~$12.965~~ $28.707	~~0.026~~ 1.933	~~$492.776~~ $14.848	~~$0.000~~ $48.265	~~0.000~~ 58,240	~~$0.076~~ $0.000829
13	20	~~$18.076~~ $82.083	~~$18.076~~ $33.818	~~0.037~~ 2.214	~~$492.776~~ $15.274	~~$0.000~~ $48.265	~~0.000~~ 58,240	~~$0.076~~ $0.000829
14	25	~~$23.845~~ $87.851	~~$23.845~~ $39.587	~~0.048~~ 2.495	~~$492.776~~ $15.868	~~$0.000~~ $48.265	~~0.000~~ 58,240	~~$0.076~~ $0.000829
15	30	~~$30.523~~ $94.530	~~$30.523~~ $46.265	~~0.062~~ 2.776	~~$492.776~~ $16.669	~~$0.000~~ $48.265	~~0.000~~ 58,240	~~$0.076~~ $0.000829
16	35	~~$38.261~~ $102.268	~~$38.261~~ $54.003	~~0.078~~ 3.056	~~$492.776~~ $17.670	~~$0.000~~ $48.265	~~0.000~~ 58,240	~~$0.076~~ $0.000829
17	40	~~$47.219~~ $111.225	~~$47.219~~ $62.961	~~0.096~~ 3.337	~~$492.776~~ $18.868	~~$0.000~~ $48.265	~~0.000~~ 58,240	~~$0.076~~ $0.000829

			Ignition			Outage		
Line No.	Year	OUR ~~(2028, $~~ ($M)	Risk ~~(2028, $~~ ($M)	Likelihood (Expected Ignitions)	Conseq. ~~(2028, $~~ ($M)	Risk ~~(2028, $~~ ($M)	Likelihood (Expected Minutes)	Conseq. ~~(2028, $~~ ($M)
18	45	~~$57.582~~ $121.589	~~$57.582~~ $73.324	~~0.117~~ 3.618	~~$492.776~~ $20.269	~~$0.000~~ $48.265	~~0.000~~ 58,240	~~$0.076~~ $0.000829
19	50	~~$69.565~~ $133.571	~~$69.565~~ $85.306	~~0.141~~ 3.898	~~$492.776~~ $21.883	~~$0.000~~ $48.265	~~0.000~~ 58,240	~~$0.076~~ $0.000829
20	55	~~$83.409~~ $147.416	~~$83.409~~ $99.151	~~0.169~~ 4.179	~~$492.776~~ $23.726	~~$0.000~~ $48.265	~~0.000~~ 58,240	~~$0.076~~ $0.000829

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 4

JSON MODEL RISK LANDSCAPE

Please see PGE_EUPERR_2026-10-30_Projects_R0.zip and reference:

- PGE_EUPERR_2026-10-30_Projects_R0.csv
- PGE_EUPERR_2026-10-30_Projects_R0.json

ATTACHMENT 5

SPD-37 TABLE 1

Please see PGE_EUPERR_2026-10-30_Attachment D_R0.zip and the PDF following this cover sheet and reference:

- PGE_EUPERR_2026-10-30_SPD37-T1_R0.csv

Note, the following table has been revised but is not shown in redline because of the volume of changes made in the native CSV file format.

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

rru_id	oeis_subproject_id	oeis_project_id	circuit_segment_id	qdr_circuit_segment_id	grc_activity_code	filings	customer_count_residential	customer_count_non_residential	state_legislative_district	tranche_level	asset_system_list
Proj00001-3UG-ALT1		Proj00001	PUEBLO 21031970				783	23	Congressional District 4	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer
Proj00001-3UG-ALT1		Proj00001	PUEBLO 21031970				783	23	Congressional District 4	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer
Proj00001-3UG-ALT1		Proj00001	PUEBLO 21031970				783	23	Congressional District 4	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer
Proj00001-3UG-PAS		Proj00001	PUEBLO 21031970		3UG	EUP	24	4	Congressional District 4	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer
Proj00001-3UG-PAS		Proj00001	PUEBLO 21031970		3UG	EUP	24	4	Congressional District 4	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer
Proj00001-3UG-PAS		Proj00001	PUEBLO 21031970		3UG	EUP	24	4	Congressional District 4	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer
Proj00001-3UG-UGAS	Proj00001-3UG-UGAS	Proj00001	PUEBLO 21031970		3UG	EUP	24	4	Congressional District 4	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer
Proj00001-3UG-UGAS	Proj00001-3UG-UGAS	Proj00001	PUEBLO 21031970		3UG	EUP	24	4	Congressional District 4	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer
Proj00001-3UG-UGAS	Proj00001-3UG-UGAS	Proj00001	PUEBLO 21031970		3UG	EUP	24	4	Congressional District 4	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer
Proj00002-3UG-ALT1		Proj00002	MIWUK 1701CB				216	18	Congressional District 5	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer
Proj00002-3UG-ALT1		Proj00002	MIWUK 1701CB				216	18	Congressional District 5	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer
Proj00002-3UG-ALT1		Proj00002	MIWUK 1701CB				216	18	Congressional District 5	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer
Proj00002-3UG-PAS		Proj00002	MIWUK 1701CB		3UG	EUP	129	3	Congressional District 5	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer
Proj00002-3UG-PAS		Proj00002	MIWUK 1701CB		3UG	EUP	129	3	Congressional District 5	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer
Proj00002-3UG-PAS		Proj00002	MIWUK 1701CB		3UG	EUP	129	3	Congressional District 5	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer
Proj00002-3UG-UGAS	Proj00002-3UG-UGAS	Proj00002	MIWUK 1701CB		3UG	EUP	129	3	Congressional District 5	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer
Proj00002-3UG-UGAS	Proj00002-3UG-UGAS	Proj00002	MIWUK 1701CB		3UG	EUP	129	3	Congressional District 5	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer
Proj00002-3UG-UGAS	Proj00002-3UG-UGAS	Proj00002	MIWUK 1701CB		3UG	EUP	129	3	Congressional District 5	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer
Proj00003-3UG-ALT1		Proj00003	FORESTHILL 1101CB				357	87	Congressional District 3	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer
Proj00003-3UG-ALT1		Proj00003	FORESTHILL 1101CB				357	87	Congressional District 3	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer
Proj00003-3UG-ALT1		Proj00003	FORESTHILL 1101CB				357	87	Congressional District 3	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer
Proj00003-3UG-PAS		Proj00003	FORESTHILL 1101CB		3UG	EUP	294	55	Congressional District 3	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer
Proj00003-3UG-PAS		Proj00003	FORESTHILL 1101CB		3UG	EUP	294	55	Congressional District 3	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer
Proj00003-3UG-PAS		Proj00003	FORESTHILL 1101CB		3UG	EUP	294	55	Congressional District 3	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer
Proj00003-3UG-UGAS	Proj00003-3UG-UGAS	Proj00003	FORESTHILL 1101CB		3UG	EUP	294	55	Congressional District 3	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer
Proj00003-3UG-UGAS	Proj00003-3UG-UGAS	Proj00003	FORESTHILL 1101CB		3UG	EUP	294	55	Congressional District 3	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer
Proj00003-3UG-UGAS	Proj00003-3UG-UGAS	Proj00003	FORESTHILL 1101CB		3UG	EUP	294	55	Congressional District 3	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer
Proj00004-3UG-ALT1		Proj00004	DUNBAR 1103799422				6	1	Congressional District 4	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer
Proj00004-3UG-ALT1		Proj00004	DUNBAR 1103799422				6	1	Congressional District 4	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer
Proj00004-3UG-ALT1		Proj00004	DUNBAR 1103799422				6	1	Congressional District 4	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer
Proj00004-3UG-PAS		Proj00004	DUNBAR 1103799422		3UG	EUP	6	1	Congressional District 4	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer
Proj00004-3UG-PAS		Proj00004	DUNBAR 1103799422		3UG	EUP	6	1	Congressional District 4	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer
Proj00004-3UG-PAS		Proj00004	DUNBAR 1103799422		3UG	EUP	6	1	Congressional District 4	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer
Proj00004-3UG-UGAS	Proj00004-3UG-UGAS	Proj00004	DUNBAR 1103799422		3UG	EUP	6	1	Congressional District 4	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer
Proj00004-3UG-UGAS	Proj00004-3UG-UGAS	Proj00004	DUNBAR 1103799422		3UG	EUP	6	1	Congressional District 4	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer
Proj00004-3UG-UGAS	Proj00004-3UG-UGAS	Proj00004	DUNBAR 1103799422		3UG	EUP	6	1	Congressional District 4	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer
Proj00005-3UG-ALT1		Proj00005	FORESTHILL 11011820				45	3	Congressional District 3	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer
Proj00005-3UG-ALT1		Proj00005	FORESTHILL 11011820				45	3	Congressional District 3	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer
Proj00005-3UG-ALT1		Proj00005	FORESTHILL 11011820				45	3	Congressional District 3	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer
Proj00005-3UG-PAS		Proj00005	FORESTHILL 11011820		3UG	EUP	31	1	Congressional District 3	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer
Proj00005-3UG-PAS		Proj00005	FORESTHILL 11011820		3UG	EUP	31	1	Congressional District 3	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer
Proj00005-3UG-PAS		Proj00005	FORESTHILL 11011820		3UG	EUP	31	1	Congressional District 3	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer
Proj00005-3UG-UGAS	Proj00005-3UG-UGAS	Proj00005	FORESTHILL 11011820		3UG	EUP	31	1	Congressional District 3	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer
Proj00005-3UG-UGAS	Proj00005-3UG-UGAS	Proj00005	FORESTHILL 11011820		3UG	EUP	31	1	Congressional District 3	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer
Proj00005-3UG-UGAS	Proj00005-3UG-UGAS	Proj00005	FORESTHILL 11011820		3UG	EUP	31	1	Congressional District 3	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer
Proj00006-3UG-ALT1		Proj00006	GIRVAN 1101CB				84	37	Congressional District 1	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer
Proj00006-3UG-ALT1		Proj00006	GIRVAN 1101CB				84	37	Congressional District 1	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer
Proj00006-3UG-ALT1		Proj00006	GIRVAN 1101CB				84	37	Congressional District 1	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer
Proj00006-3UG-PAS		Proj00006	GIRVAN 1101CB		08W, 3UG	EUP, GRC	75	30	Congressional District 1	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer
Proj00006-3UG-PAS		Proj00006	GIRVAN 1101CB		08W, 3UG	EUP, GRC	75	30	Congressional District 1	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer
Proj00006-3UG-PAS		Proj00006	GIRVAN 1101CB		08W, 3UG	EUP, GRC	75	30	Congressional District 1	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer
Proj00006-3UG-UGAS	Proj00006-3UG-UGAS	Proj00006	GIRVAN 1101CB		3UG	EUP	71	14	Congressional District 1	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer
Proj00006-3UG-UGAS	Proj00006-3UG-UGAS	Proj00006	GIRVAN 1101CB		3UG	EUP	71	14	Congressional District 1	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer
Proj00006-3UG-UGAS	Proj00006-3UG-UGAS	Proj00006	GIRVAN 1101CB		3UG	EUP	71	14	Congressional District 1	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer
Proj00007-3UG-ALT1		Proj00007	LOS GATOS 1107812664				56	2	Congressional District 16, 19	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer
Proj00007-3UG-ALT1		Proj00007	LOS GATOS 1107812664				56	2	Congressional District 16, 19	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer
Proj00007-3UG-ALT1		Proj00007	LOS GATOS 1107812664				56	2	Congressional District 16, 19	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer
Proj00007-3UG-PAS		Proj00007	LOS GATOS 1107812664		08W, 3UG	EUP, GRC	56	1	Congressional District 16, 19	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer
Proj00007-3UG-PAS		Proj00007	LOS GATOS 1107812664		08W, 3UG	EUP, GRC	56	1	Congressional District 16, 19	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer
Proj00007-3UG-PAS		Proj00007	LOS GATOS 1107812664		08W, 3UG	EUP, GRC	56	1	Congressional District 16, 19	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer
Proj00007-3UG-UGAS	Proj00007-3UG-UGAS	Proj00007	LOS GATOS 1107812664		3UG	EUP	10	0	Congressional District 16, 19	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer
Proj00007-3UG-UGAS	Proj00007-3UG-UGAS	Proj00007	LOS GATOS 1107812664		3UG	EUP	10	0	Congressional District 16, 19	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer
Proj00007-3UG-UGAS	Proj00007-3UG-UGAS	Proj00007	LOS GATOS 1107812664		3UG	EUP	10	0	Congressional District 16, 19	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer
Proj00008-3UG-ALT1		Proj00008	GEYSERVILLE 1102904170				25	35	Congressional District 2	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer
Proj00008-3UG-ALT1		Proj00008	GEYSERVILLE 1102904170				25	35	Congressional District 2	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer
Proj00008-3UG-ALT1		Proj00008	GEYSERVILLE 1102904170				25	35	Congressional District 2	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer
Proj00008-3UG-PAS		Proj00008	GEYSERVILLE 1102904170		08W, 3UG	EUP, GRC	18	24	Congressional District 2	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer
Proj00008-3UG-PAS		Proj00008	GEYSERVILLE 1102904170		08W, 3UG	EUP, GRC	18	24	Congressional District 2	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer
Proj00008-3UG-PAS		Proj00008	GEYSERVILLE 1102904170		08W, 3UG	EUP, GRC	18	24	Congressional District 2	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer
Proj00008-3UG-UGAS	Proj00008-3UG-UGAS	Proj00008	GEYSERVILLE 1102904170		3UG	EUP	8	13	Congressional District 2	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer
Proj00008-3UG-UGAS	Proj00008-3UG-UGAS	Proj00008	GEYSERVILLE 1102904170		3UG	EUP	8	13	Congressional District 2	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer
Proj00008-3UG-UGAS	Proj00008-3UG-UGAS	Proj00008	GEYSERVILLE 1102904170		3UG	EUP	8	13	Congressional District 2	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer
Proj00009-3UG-ALT1		Proj00009	ALTO 1124430				723	48	Congressional District 2	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer
Proj00009-3UG-ALT1		Proj00009	ALTO 1124430				723	48	Congressional District 2	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer
Proj00009-3UG-ALT1		Proj00009	ALTO 1124430				723	48	Congressional District 2	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer
Proj00009-3UG-PAS		Proj00009	ALTO 1124430		08W, 3UG	EUP, GRC	666	22	Congressional District 2	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer
Proj00009-3UG-PAS		Proj00009	ALTO 1124430		08W, 3UG	EUP, GRC	666	22	Congressional District 2	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer
Proj00009-3UG-PAS		Proj00009	ALTO 1124430		08W, 3UG	EUP, GRC	666	22	Congressional District 2	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer
Proj00009-3UG-UGAS	Proj00009-3UG-UGAS	Proj00009	ALTO 1124430		3UG	EUP	610	19	Congressional District 2	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer
Proj00009-3UG-UGAS	Proj00009-3UG-UGAS	Proj00009	ALTO 1124430		3UG	EUP	610	19	Congressional District 2	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer
Proj00009-3UG-UGAS	Proj00009-3UG-UGAS	Proj00009	ALTO 1124430		3UG	EUP	610	19	Congressional District 2	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer

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

rru_id	oeis_subproject_id	oeis_project_id	circuit_segment_id	qdr_circuit_segment_id	grc_activity_code	filings	customer_count_residential	customer_count_non_residential	state_legislative_district	tranche_level	asset_system_list
Proj00010-3UG-ALT1		Proj00010	LAURELES 111268454				492	42	Congressional District 19	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer
Proj00010-3UG-ALT1		Proj00010	LAURELES 111268454				492	42	Congressional District 19	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer
Proj00010-3UG-ALT1		Proj00010	LAURELES 111268454				492	42	Congressional District 19	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer
Proj00010-3UG-PAS		Proj00010	LAURELES 111268454		08W, 3UG	EUP, GRC	339	25	Congressional District 19	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer
Proj00010-3UG-PAS		Proj00010	LAURELES 111268454		08W, 3UG	EUP, GRC	339	25	Congressional District 19	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer
Proj00010-3UG-PAS		Proj00010	LAURELES 111268454		08W, 3UG	EUP, GRC	339	25	Congressional District 19	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer
Proj00010-3UG-UGAS	Proj00010-3UG-UGAS	Proj00010	LAURELES 111268454		3UG	EUP	290	23	Congressional District 19	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer
Proj00010-3UG-UGAS	Proj00010-3UG-UGAS	Proj00010	LAURELES 111268454		3UG	EUP	290	23	Congressional District 19	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer
Proj00010-3UG-UGAS	Proj00010-3UG-UGAS	Proj00010	LAURELES 111268454		3UG	EUP	290	23	Congressional District 19	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer
Proj00011-3UG-ALT1		Proj00011	EL DORADO PH 2101668674				428	30	Congressional District 3	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer
Proj00011-3UG-ALT1		Proj00011	EL DORADO PH 2101668674				428	30	Congressional District 3	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer
Proj00011-3UG-ALT1		Proj00011	EL DORADO PH 2101668674				428	30	Congressional District 3	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer
Proj00011-3UG-PAS		Proj00011	EL DORADO PH 2101668674		3UG	EUP	174	2	Congressional District 3	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer
Proj00011-3UG-PAS		Proj00011	EL DORADO PH 2101668674		3UG	EUP	174	2	Congressional District 3	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer
Proj00011-3UG-PAS		Proj00011	EL DORADO PH 2101668674		3UG	EUP	174	2	Congressional District 3	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer
Proj00011-3UG-UGAS	Proj00011-3UG-UGAS	Proj00011	EL DORADO PH 2101668674		3UG	EUP	174	2	Congressional District 3	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer
Proj00011-3UG-UGAS	Proj00011-3UG-UGAS	Proj00011	EL DORADO PH 2101668674		3UG	EUP	174	2	Congressional District 3	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer
Proj00011-3UG-UGAS	Proj00011-3UG-UGAS	Proj00011	EL DORADO PH 2101668674		3UG	EUP	174	2	Congressional District 3	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer
Proj00012-3UG-ALT1		Proj00012	JESSUP 110168362				254	26	Congressional District 1	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer
Proj00012-3UG-ALT1		Proj00012	JESSUP 110168362				254	26	Congressional District 1	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer
Proj00012-3UG-ALT1		Proj00012	JESSUP 110168362				254	26	Congressional District 1	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer
Proj00012-3UG-PAS		Proj00012	JESSUP 110168362		08W, 3UG	EUP, GRC	127	16	Congressional District 1	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer
Proj00012-3UG-PAS		Proj00012	JESSUP 110168362		08W, 3UG	EUP, GRC	127	16	Congressional District 1	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer
Proj00012-3UG-PAS		Proj00012	JESSUP 110168362		08W, 3UG	EUP, GRC	127	16	Congressional District 1	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer
Proj00012-3UG-UGAS	Proj00012-3UG-UGAS	Proj00012	JESSUP 110168362		3UG	EUP	26	0	Congressional District 1	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer
Proj00012-3UG-UGAS	Proj00012-3UG-UGAS	Proj00012	JESSUP 110168362		3UG	EUP	26	0	Congressional District 1	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer
Proj00012-3UG-UGAS	Proj00012-3UG-UGAS	Proj00012	JESSUP 110168362		3UG	EUP	26	0	Congressional District 1	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer
Proj00013-3UG-ALT1		Proj00013	BEN LOMOND 0401944178				440	41	Congressional District 19	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer
Proj00013-3UG-ALT1		Proj00013	BEN LOMOND 0401944178				440	41	Congressional District 19	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer
Proj00013-3UG-ALT1		Proj00013	BEN LOMOND 0401944178				440	41	Congressional District 19	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer
Proj00013-3UG-PAS		Proj00013	BEN LOMOND 0401944178		3UG	EUP	439	42	Congressional District 19	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer
Proj00013-3UG-PAS		Proj00013	BEN LOMOND 0401944178		3UG	EUP	439	42	Congressional District 19	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer
Proj00013-3UG-PAS		Proj00013	BEN LOMOND 0401944178		3UG	EUP	439	42	Congressional District 19	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer
Proj00013-3UG-UGAS	Proj00013-3UG-UGAS	Proj00013	BEN LOMOND 0401944178		3UG	EUP	439	42	Congressional District 19	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer
Proj00013-3UG-UGAS	Proj00013-3UG-UGAS	Proj00013	BEN LOMOND 0401944178		3UG	EUP	439	42	Congressional District 19	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer
Proj00013-3UG-UGAS	Proj00013-3UG-UGAS	Proj00013	BEN LOMOND 0401944178		3UG	EUP	439	42	Congressional District 19	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer
Proj00014-3UG-ALT1		Proj00014	WOODACRE 1102851				91	4	Congressional District 2	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer
Proj00014-3UG-ALT1		Proj00014	WOODACRE 1102851				91	4	Congressional District 2	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer
Proj00014-3UG-ALT1		Proj00014	WOODACRE 1102851				91	4	Congressional District 2	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer
Proj00014-3UG-PAS		Proj00014	WOODACRE 1102851		3UG	EUP	91	4	Congressional District 2	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer
Proj00014-3UG-PAS		Proj00014	WOODACRE 1102851		3UG	EUP	91	4	Congressional District 2	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer
Proj00014-3UG-PAS		Proj00014	WOODACRE 1102851		3UG	EUP	91	4	Congressional District 2	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer
Proj00014-3UG-UGAS	Proj00014-3UG-UGAS	Proj00014	WOODACRE 1102851		3UG	EUP	91	4	Congressional District 2	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer
Proj00014-3UG-UGAS	Proj00014-3UG-UGAS	Proj00014	WOODACRE 1102851		3UG	EUP	91	4	Congressional District 2	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer
Proj00014-3UG-UGAS	Proj00014-3UG-UGAS	Proj00014	WOODACRE 1102851		3UG	EUP	91	4	Congressional District 2	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer
Proj00015-3UG-ALT1		Proj00015	ELECTRA 1101CB				178	11	Congressional District 5	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer
Proj00015-3UG-ALT1		Proj00015	ELECTRA 1101CB				178	11	Congressional District 5	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer
Proj00015-3UG-ALT1		Proj00015	ELECTRA 1101CB				178	11	Congressional District 5	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer
Proj00015-3UG-PAS		Proj00015	ELECTRA 1101CB		08W, 3UG	EUP, GRC	160	10	Congressional District 5	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer
Proj00015-3UG-PAS		Proj00015	ELECTRA 1101CB		08W, 3UG	EUP, GRC	160	10	Congressional District 5	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer
Proj00015-3UG-PAS		Proj00015	ELECTRA 1101CB		08W, 3UG	EUP, GRC	160	10	Congressional District 5	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer
Proj00015-3UG-UGAS	Proj00015-3UG-UGAS	Proj00015	ELECTRA 1101CB		3UG	EUP	159	10	Congressional District 5	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer
Proj00015-3UG-UGAS	Proj00015-3UG-UGAS	Proj00015	ELECTRA 1101CB		3UG	EUP	159	10	Congressional District 5	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer
Proj00015-3UG-UGAS	Proj00015-3UG-UGAS	Proj00015	ELECTRA 1101CB		3UG	EUP	159	10	Congressional District 5	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer
Proj00016-3UG-ALT1		Proj00016	MARIPOSA 210110070				221	9	Congressional District 5	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer
Proj00016-3UG-ALT1		Proj00016	MARIPOSA 210110070				221	9	Congressional District 5	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer
Proj00016-3UG-ALT1		Proj00016	MARIPOSA 210110070				221	9	Congressional District 5	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer
Proj00016-3UG-PAS		Proj00016	MARIPOSA 210110070		08W, 3UG	EUP, GRC	217	9	Congressional District 5	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer
Proj00016-3UG-PAS		Proj00016	MARIPOSA 210110070		08W, 3UG	EUP, GRC	217	9	Congressional District 5	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer
Proj00016-3UG-PAS		Proj00016	MARIPOSA 210110070		08W, 3UG	EUP, GRC	217	9	Congressional District 5	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer
Proj00016-3UG-UGAS	Proj00016-3UG-UGAS	Proj00016	MARIPOSA 210110070		3UG	EUP	6	0	Congressional District 5	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer
Proj00016-3UG-UGAS	Proj00016-3UG-UGAS	Proj00016	MARIPOSA 210110070		3UG	EUP	6	0	Congressional District 5	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer
Proj00016-3UG-UGAS	Proj00016-3UG-UGAS	Proj00016	MARIPOSA 210110070		3UG	EUP	6	0	Congressional District 5	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer
Proj00017-3UG-ALT1		Proj00017	SAN RAFAEL 1108322				1241	83	Congressional District 2	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer
Proj00017-3UG-ALT1		Proj00017	SAN RAFAEL 1108322				1241	83	Congressional District 2	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer
Proj00017-3UG-ALT1		Proj00017	SAN RAFAEL 1108322				1241	83	Congressional District 2	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer
Proj00017-3UG-PAS		Proj00017	SAN RAFAEL 1108322		08W, 3UG	EUP, GRC	1076	53	Congressional District 2	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer
Proj00017-3UG-PAS		Proj00017	SAN RAFAEL 1108322		08W, 3UG	EUP, GRC	1076	53	Congressional District 2	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer
Proj00017-3UG-PAS		Proj00017	SAN RAFAEL 1108322		08W, 3UG	EUP, GRC	1076	53	Congressional District 2	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer
Proj00017-3UG-UGAS	Proj00017-3UG-UGAS	Proj00017	SAN RAFAEL 1108322		3UG	EUP	395	11	Congressional District 2	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer
Proj00017-3UG-UGAS	Proj00017-3UG-UGAS	Proj00017	SAN RAFAEL 1108322		3UG	EUP	395	11	Congressional District 2	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer
Proj00017-3UG-UGAS	Proj00017-3UG-UGAS	Proj00017	SAN RAFAEL 1108322		3UG	EUP	395	11	Congressional District 2	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer
Proj00018-3UG-ALT1		Proj00018	OAKLAND X 1104CR288				528	16	Congressional District 12	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer
Proj00018-3UG-ALT1		Proj00018	OAKLAND X 1104CR288				528	16	Congressional District 12	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer
Proj00018-3UG-ALT1		Proj00018	OAKLAND X 1104CR288				528	16	Congressional District 12	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer
Proj00018-3UG-PAS		Proj00018	OAKLAND X 1104CR288		3UG	EUP	288	11	Congressional District 12	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer
Proj00018-3UG-PAS		Proj00018	OAKLAND X 1104CR288		3UG	EUP	288	11	Congressional District 12	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer
Proj00018-3UG-PAS		Proj00018	OAKLAND X 1104CR288		3UG	EUP	288	11	Congressional District 12	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer
Proj00018-3UG-UGAS	Proj00018-3UG-UGAS	Proj00018	OAKLAND X 1104CR288		3UG	EUP	288	11	Congressional District 12	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer
Proj00018-3UG-UGAS	Proj00018-3UG-UGAS	Proj00018	OAKLAND X 1104CR288		3UG	EUP	288	11	Congressional District 12	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer
Proj00018-3UG-UGAS	Proj00018-3UG-UGAS	Proj00018	OAKLAND X 1104CR288		3UG	EUP	288	11	Congressional District 12	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer
Proj00019-3UG-ALT1		Proj00019	WOODACRE 1102137662				1032	53	Congressional District 2	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer

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

rru_id	oeis_subproject_id	oeis_project_id	circuit_segment_id	qdr_circuit_segment_id	grc_activity_code	filings	customer_count_residential	customer_count_non_residential	state_legislative_district	tranche_level	asset_system_list
Proj00019-3UG-ALT1		Proj00019	WOODACRE 1102137662				1032	53	Congressional District 2	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer
Proj00019-3UG-ALT1		Proj00019	WOODACRE 1102137662				1032	53	Congressional District 2	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer
Proj00019-3UG-PAS		Proj00019	WOODACRE 1102137662		3UG	EUP	1029	28	Congressional District 2	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer
Proj00019-3UG-PAS		Proj00019	WOODACRE 1102137662		3UG	EUP	1029	28	Congressional District 2	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer
Proj00019-3UG-PAS		Proj00019	WOODACRE 1102137662		3UG	EUP	1029	28	Congressional District 2	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer
Proj00019-3UG-UGAS	Proj00019-3UG-UGAS	Proj00019	WOODACRE 1102137662		3UG	EUP	1029	28	Congressional District 2	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer
Proj00019-3UG-UGAS	Proj00019-3UG-UGAS	Proj00019	WOODACRE 1102137662		3UG	EUP	1029	28	Congressional District 2	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer
Proj00019-3UG-UGAS	Proj00019-3UG-UGAS	Proj00019	WOODACRE 1102137662		3UG	EUP	1029	28	Congressional District 2	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer
Proj00020-3UG-ALT1		Proj00020	CAMP EVERS 210510294				190	8	Congressional District 19	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer
Proj00020-3UG-ALT1		Proj00020	CAMP EVERS 210510294				190	8	Congressional District 19	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer
Proj00020-3UG-ALT1		Proj00020	CAMP EVERS 210510294				190	8	Congressional District 19	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer
Proj00020-3UG-PAS		Proj00020	CAMP EVERS 210510294		3UG	EUP	185	8	Congressional District 19	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer
Proj00020-3UG-PAS		Proj00020	CAMP EVERS 210510294		3UG	EUP	185	8	Congressional District 19	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer
Proj00020-3UG-PAS		Proj00020	CAMP EVERS 210510294		3UG	EUP	185	8	Congressional District 19	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer
Proj00020-3UG-UGAS	Proj00020-3UG-UGAS	Proj00020	CAMP EVERS 210510294		3UG	EUP	185	8	Congressional District 19	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer
Proj00020-3UG-UGAS	Proj00020-3UG-UGAS	Proj00020	CAMP EVERS 210510294		3UG	EUP	185	8	Congressional District 19	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer
Proj00020-3UG-UGAS	Proj00020-3UG-UGAS	Proj00020	CAMP EVERS 210510294		3UG	EUP	185	8	Congressional District 19	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer
Proj00021-3UG-ALT1		Proj00021	STILLWATER 11021466				429	23	Congressional District 1	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer
Proj00021-3UG-ALT1		Proj00021	STILLWATER 11021466				429	23	Congressional District 1	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer
Proj00021-3UG-ALT1		Proj00021	STILLWATER 11021466				429	23	Congressional District 1	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer
Proj00021-3UG-PAS		Proj00021	STILLWATER 11021466		3UG	EUP	384	20	Congressional District 1	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer
Proj00021-3UG-PAS		Proj00021	STILLWATER 11021466		3UG	EUP	384	20	Congressional District 1	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer
Proj00021-3UG-PAS		Proj00021	STILLWATER 11021466		3UG	EUP	384	20	Congressional District 1	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer
Proj00021-3UG-UGAS	Proj00021-3UG-UGAS	Proj00021	STILLWATER 11021466		3UG	EUP	384	20	Congressional District 1	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer
Proj00021-3UG-UGAS	Proj00021-3UG-UGAS	Proj00021	STILLWATER 11021466		3UG	EUP	384	20	Congressional District 1	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer
Proj00021-3UG-UGAS	Proj00021-3UG-UGAS	Proj00021	STILLWATER 11021466		3UG	EUP	384	20	Congressional District 1	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer
Proj00022-3UG-ALT1		Proj00022	KONOCTI 1102714370				112	6	Congressional District 4	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer
Proj00022-3UG-ALT1		Proj00022	KONOCTI 1102714370				112	6	Congressional District 4	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer
Proj00022-3UG-ALT1		Proj00022	KONOCTI 1102714370				112	6	Congressional District 4	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer
Proj00022-3UG-PAS		Proj00022	KONOCTI 1102714370		08W, 3UG	EUP, GRC	90	5	Congressional District 4	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer
Proj00022-3UG-PAS		Proj00022	KONOCTI 1102714370		08W, 3UG	EUP, GRC	90	5	Congressional District 4	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer
Proj00022-3UG-PAS		Proj00022	KONOCTI 1102714370		08W, 3UG	EUP, GRC	90	5	Congressional District 4	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer
Proj00022-3UG-UGAS	Proj00022-3UG-UGAS	Proj00022	KONOCTI 1102714370		3UG	EUP	0	0	Congressional District 4	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer
Proj00022-3UG-UGAS	Proj00022-3UG-UGAS	Proj00022	KONOCTI 1102714370		3UG	EUP	0	0	Congressional District 4	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer
Proj00022-3UG-UGAS	Proj00022-3UG-UGAS	Proj00022	KONOCTI 1102714370		3UG	EUP	0	0	Congressional District 4	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer
Proj00023-3UG-ALT1		Proj00023	PLACERVILLE 21069712				214	8	Congressional District 3	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer
Proj00023-3UG-ALT1		Proj00023	PLACERVILLE 21069712				214	8	Congressional District 3	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer
Proj00023-3UG-ALT1		Proj00023	PLACERVILLE 21069712				214	8	Congressional District 3	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer
Proj00023-3UG-PAS		Proj00023	PLACERVILLE 21069712		08W, 3UG	EUP, GRC	204	8	Congressional District 3	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer
Proj00023-3UG-PAS		Proj00023	PLACERVILLE 21069712		08W, 3UG	EUP, GRC	204	8	Congressional District 3	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer
Proj00023-3UG-PAS		Proj00023	PLACERVILLE 21069712		08W, 3UG	EUP, GRC	204	8	Congressional District 3	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer
Proj00023-3UG-UGAS	Proj00023-3UG-UGAS	Proj00023	PLACERVILLE 21069712		3UG	EUP	198	8	Congressional District 3	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer
Proj00023-3UG-UGAS	Proj00023-3UG-UGAS	Proj00023	PLACERVILLE 21069712		3UG	EUP	198	8	Congressional District 3	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer
Proj00023-3UG-UGAS	Proj00023-3UG-UGAS	Proj00023	PLACERVILLE 21069712		3UG	EUP	198	8	Congressional District 3	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer
Proj00024-3UG-ALT1		Proj00024	MENLO 1102628458				14	5	Congressional District 16	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer
Proj00024-3UG-ALT1		Proj00024	MENLO 1102628458				14	5	Congressional District 16	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer
Proj00024-3UG-ALT1		Proj00024	MENLO 1102628458				14	5	Congressional District 16	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer
Proj00024-3UG-PAS		Proj00024	MENLO 1102628458		3UG	EUP	3	0	Congressional District 16	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer
Proj00024-3UG-PAS		Proj00024	MENLO 1102628458		3UG	EUP	3	0	Congressional District 16	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer
Proj00024-3UG-PAS		Proj00024	MENLO 1102628458		3UG	EUP	3	0	Congressional District 16	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer
Proj00024-3UG-UGAS	Proj00024-3UG-UGAS	Proj00024	MENLO 1102628458		3UG	EUP	3	0	Congressional District 16	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer
Proj00024-3UG-UGAS	Proj00024-3UG-UGAS	Proj00024	MENLO 1102628458		3UG	EUP	3	0	Congressional District 16	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer
Proj00024-3UG-UGAS	Proj00024-3UG-UGAS	Proj00024	MENLO 1102628458		3UG	EUP	3	0	Congressional District 16	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer
Proj00025-3UG-ALT1		Proj00025	ALTO 11221260				396	11	Congressional District 2	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer
Proj00025-3UG-ALT1		Proj00025	ALTO 11221260				396	11	Congressional District 2	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer
Proj00025-3UG-ALT1		Proj00025	ALTO 11221260				396	11	Congressional District 2	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer
Proj00025-3UG-PAS		Proj00025	ALTO 11221260		3UG	EUP	362	11	Congressional District 2	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer
Proj00025-3UG-PAS		Proj00025	ALTO 11221260		3UG	EUP	362	11	Congressional District 2	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer
Proj00025-3UG-PAS		Proj00025	ALTO 11221260		3UG	EUP	362	11	Congressional District 2	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer
Proj00025-3UG-UGAS	Proj00025-3UG-UGAS	Proj00025	ALTO 11221260		3UG	EUP	362	11	Congressional District 2	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer
Proj00025-3UG-UGAS	Proj00025-3UG-UGAS	Proj00025	ALTO 11221260		3UG	EUP	362	11	Congressional District 2	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer
Proj00025-3UG-UGAS	Proj00025-3UG-UGAS	Proj00025	ALTO 11221260		3UG	EUP	362	11	Congressional District 2	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer
Proj00026-3UG-ALT1		Proj00026	CAMP EVERS 2105534190				102	2	Congressional District 19	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer
Proj00026-3UG-ALT1		Proj00026	CAMP EVERS 2105534190				102	2	Congressional District 19	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer
Proj00026-3UG-ALT1		Proj00026	CAMP EVERS 2105534190				102	2	Congressional District 19	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer
Proj00026-3UG-PAS		Proj00026	CAMP EVERS 2105534190		3UG	EUP	105	2	Congressional District 19	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer
Proj00026-3UG-PAS		Proj00026	CAMP EVERS 2105534190		3UG	EUP	105	2	Congressional District 19	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer
Proj00026-3UG-PAS		Proj00026	CAMP EVERS 2105534190		3UG	EUP	105	2	Congressional District 19	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer
Proj00026-3UG-UGAS	Proj00026-3UG-UGAS	Proj00026	CAMP EVERS 2105534190		3UG	EUP	105	2	Congressional District 19	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer
Proj00026-3UG-UGAS	Proj00026-3UG-UGAS	Proj00026	CAMP EVERS 2105534190		3UG	EUP	105	2	Congressional District 19	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer
Proj00026-3UG-UGAS	Proj00026-3UG-UGAS	Proj00026	CAMP EVERS 2105534190		3UG	EUP	105	2	Congressional District 19	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer
Proj00027-3UG-ALT1		Proj00027	CORTINA 1101302192				25	34	Congressional District 1	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer
Proj00027-3UG-ALT1		Proj00027	CORTINA 1101302192				25	34	Congressional District 1	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer
Proj00027-3UG-ALT1		Proj00027	CORTINA 1101302192				25	34	Congressional District 1	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer
Proj00027-3UG-PAS		Proj00027	CORTINA 1101302192		3UG	EUP	3	4	Congressional District 1	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer
Proj00027-3UG-PAS		Proj00027	CORTINA 1101302192		3UG	EUP	3	4	Congressional District 1	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer
Proj00027-3UG-PAS		Proj00027	CORTINA 1101302192		3UG	EUP	3	4	Congressional District 1	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer
Proj00027-3UG-UGAS	Proj00027-3UG-UGAS	Proj00027	CORTINA 1101302192		3UG	EUP	3	4	Congressional District 1	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer
Proj00027-3UG-UGAS	Proj00027-3UG-UGAS	Proj00027	CORTINA 1101302192		3UG	EUP	3	4	Congressional District 1	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer
Proj00027-3UG-UGAS	Proj00027-3UG-UGAS	Proj00027	CORTINA 1101302192		3UG	EUP	3	4	Congressional District 1	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer
Proj00028-3UG-ALT1		Proj00028	VOLTA 1102CB				8	3	Congressional District 1	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer
Proj00028-3UG-ALT1		Proj00028	VOLTA 1102CB				8	3	Congressional District 1	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer
Proj00028-3UG-ALT1		Proj00028	VOLTA 1102CB				8	3	Congressional District 1	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer
Proj00028-3UG-PAS		Proj00028	VOLTA 1102CB		08W, 3UG	EUP, GRC	8	3	Congressional District 1	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer
Proj00028-3UG-PAS		Proj00028	VOLTA 1102CB		08W, 3UG	EUP, GRC	8	3	Congressional District 1	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer
Proj00028-3UG-PAS		Proj00028	VOLTA 1102CB		08W, 3UG	EUP, GRC	8	3	Congressional District 1	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer
Proj00028-3UG-UGAS	Proj00028-3UG-UGAS	Proj00028	VOLTA 1102CB		3UG	EUP	8	3	Congressional District 1	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer
Proj00028-3UG-UGAS	Proj00028-3UG-UGAS	Proj00028	VOLTA 1102CB		3UG	EUP	8	3	Congressional District 1	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer
Proj00028-3UG-UGAS	Proj00028-3UG-UGAS	Proj00028	VOLTA 1102CB		3UG	EUP	8	3	Congressional District 1	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer

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rru_id	total_circuit_miles	total_circuit_miles_ug	risk_ranking	scoping_date	start_date	mitigation_type	undergrounding_mitigation_justification1	undergrounding_mitigation_justification2
Proj00001-3UG-ALT1	3.135967006		329	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00001-3UG-ALT1	3.135967006		329	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00001-3UG-ALT1	3.135967006		329	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00001-3UG-PAS	3.135967006		329	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00001-3UG-PAS	3.135967006		329	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00001-3UG-PAS	3.135967006		329	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00001-3UG-UGAS	3.14	3.63	329	8/20/2026	1/10/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00001-3UG-UGAS	3.14	3.63	329	8/20/2026	1/10/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00001-3UG-UGAS	3.14	3.63	329	8/20/2026	1/10/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00002-3UG-ALT1	4.561286176	24.03	669	8/20/2026	2/16/2028	Overhead Hardening	Overall Utility Risk	
Proj00002-3UG-ALT1	4.561286176	24.03	669	8/20/2026	2/16/2028	Overhead Hardening	Overall Utility Risk	
Proj00002-3UG-ALT1	4.561286176	24.03	669	8/20/2026	2/16/2028	Overhead Hardening	Overall Utility Risk	
Proj00002-3UG-PAS	4.561286176	3.63	669	8/20/2026	1/10/2028	Undergrounding	Overall Utility Risk	
Proj00002-3UG-PAS	4.561286176	3.63	669	8/20/2026	1/10/2028	Undergrounding	Overall Utility Risk	
Proj00002-3UG-PAS	4.561286176	3.63	669	8/20/2026	1/10/2028	Undergrounding	Overall Utility Risk	
Proj00002-3UG-UGAS	2.57	3.53	669	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00002-3UG-UGAS	2.57	3.53	669	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00002-3UG-UGAS	2.57	3.53	669	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00003-3UG-ALT1	9.01747145		549	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00003-3UG-ALT1	9.01747145		549	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00003-3UG-ALT1	9.01747145		549	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00003-3UG-PAS	9.01747145		549	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00003-3UG-PAS	9.01747145		549	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00003-3UG-PAS	9.01747145		549	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00003-3UG-UGAS	8.37	11.73	549	8/20/2026	6/24/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00003-3UG-UGAS	8.37	11.73	549	8/20/2026	6/24/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00003-3UG-UGAS	8.37	11.73	549	8/20/2026	6/24/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00004-3UG-ALT1	0.432857929	1.86	1097	8/20/2026	6/22/2027	Overhead Hardening	Overall Utility Risk	
Proj00004-3UG-ALT1	0.432857929	1.86	1097	8/20/2026	6/22/2027	Overhead Hardening	Overall Utility Risk	
Proj00004-3UG-ALT1	0.432857929	1.86	1097	8/20/2026	6/22/2027	Overhead Hardening	Overall Utility Risk	
Proj00004-3UG-PAS	0.432857929	3.53	1097	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk	
Proj00004-3UG-PAS	0.432857929	3.53	1097	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk	
Proj00004-3UG-PAS	0.432857929	3.53	1097	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk	
Proj00004-3UG-UGAS	0.43	0.48	1097	8/20/2026	5/20/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00004-3UG-UGAS	0.43	0.48	1097	8/20/2026	5/20/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00004-3UG-UGAS	0.43	0.48	1097	8/20/2026	5/20/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00005-3UG-ALT1	5.670887728		2122	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00005-3UG-ALT1	5.670887728		2122	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00005-3UG-ALT1	5.670887728		2122	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00005-3UG-PAS	5.670887728		2122	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00005-3UG-PAS	5.670887728		2122	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00005-3UG-PAS	5.670887728		2122	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00005-3UG-UGAS	5.67	6.69	2122	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00005-3UG-UGAS	5.67	6.69	2122	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00005-3UG-UGAS	5.67	6.69	2122	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00006-3UG-ALT1	1.233338092	3.72	364	8/20/2026	4/10/2028	Overhead Hardening	Overall Utility Risk	
Proj00006-3UG-ALT1	1.233338092	3.72	364	8/20/2026	4/10/2028	Overhead Hardening	Overall Utility Risk	
Proj00006-3UG-ALT1	1.233338092	3.72	364	8/20/2026	4/10/2028	Overhead Hardening	Overall Utility Risk	
Proj00006-3UG-PAS	1.233338092		364	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00006-3UG-PAS	1.233338092		364	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00006-3UG-PAS	1.233338092		364	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00006-3UG-UGAS	0.52	0.58	364	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00006-3UG-UGAS	0.52	0.58	364	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00006-3UG-UGAS	0.52	0.58	364	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00007-3UG-ALT1	8.187804863		1373	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00007-3UG-ALT1	8.187804863		1373	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00007-3UG-ALT1	8.187804863		1373	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00007-3UG-PAS	8.187804863	9.12	1373	8/20/2026	3/7/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00007-3UG-PAS	8.187804863	9.12	1373	8/20/2026	3/7/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00007-3UG-PAS	8.187804863	9.12	1373	8/20/2026	3/7/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00007-3UG-UGAS	1.16	1.08	1373	8/20/2026	6/5/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00007-3UG-UGAS	1.16	1.08	1373	8/20/2026	6/5/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00007-3UG-UGAS	1.16	1.08	1373	8/20/2026	6/5/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00008-3UG-ALT1	21.17834497	2.46	1064	8/20/2026	5/9/2028	Overhead Hardening	Overall Utility Risk	
Proj00008-3UG-ALT1	21.17834497	2.46	1064	8/20/2026	5/9/2028	Overhead Hardening	Overall Utility Risk	
Proj00008-3UG-ALT1	21.17834497	2.46	1064	8/20/2026	5/9/2028	Overhead Hardening	Overall Utility Risk	
Proj00008-3UG-PAS	21.17834497		1064	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00008-3UG-PAS	21.17834497		1064	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00008-3UG-PAS	21.17834497		1064	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00008-3UG-UGAS	8.76	13.54	1064	8/20/2026	2/17/2028	Undergrounding	Overall Utility Risk, Ignition Consequence	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00008-3UG-UGAS	8.76	13.54	1064	8/20/2026	2/17/2028	Undergrounding	Overall Utility Risk, Ignition Consequence	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00008-3UG-UGAS	8.76	13.54	1064	8/20/2026	2/17/2028	Undergrounding	Overall Utility Risk, Ignition Consequence	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00009-3UG-ALT1	7.051437886		957	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00009-3UG-ALT1	7.051437886		957	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00009-3UG-ALT1	7.051437886		957	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00009-3UG-PAS	7.051437886	8.25	957	8/20/2026	1/18/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00009-3UG-PAS	7.051437886	8.25	957	8/20/2026	1/18/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00009-3UG-PAS	7.051437886	8.25	957	8/20/2026	1/18/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00009-3UG-UGAS	6.53	9.12	957	8/20/2026	3/14/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00009-3UG-UGAS	6.53	9.12	957	8/20/2026	3/14/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00009-3UG-UGAS	6.53	9.12	957	8/20/2026	3/14/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR

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rru_id	total_circuit_miles	total_circuit_miles_ug	risk_ranking	scoping_date	start_date	mitigation_type	undergrounding_mitigation_justification1	undergrounding_mitigation_justification2
Proj00010-3UG-ALT1	7.815626401	11.43	1111	8/20/2026	2/2/2028	Overhead Hardening	Overall Utility Risk	
Proj00010-3UG-ALT1	7.815626401	11.43	1111	8/20/2026	2/2/2028	Overhead Hardening	Overall Utility Risk	
Proj00010-3UG-ALT1	7.815626401	11.43	1111	8/20/2026	2/2/2028	Overhead Hardening	Overall Utility Risk	
Proj00010-3UG-PAS	7.815626401		1111	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00010-3UG-PAS	7.815626401		1111	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00010-3UG-PAS	7.815626401		1111	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00010-3UG-UGAS	6.66	8.25	1111	8/20/2026	2/28/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00010-3UG-UGAS	6.66	8.25	1111	8/20/2026	2/28/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00010-3UG-UGAS	6.66	8.25	1111	8/20/2026	2/28/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00011-3UG-ALT1	9.351369089		466	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00011-3UG-ALT1	9.351369089		466	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00011-3UG-ALT1	9.351369089		466	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00011-3UG-PAS	9.351369089	11.73	466	8/20/2026	6/24/2027	Undergrounding	Overall Utility Risk	
Proj00011-3UG-PAS	9.351369089	11.73	466	8/20/2026	6/24/2027	Undergrounding	Overall Utility Risk	
Proj00011-3UG-PAS	9.351369089	11.73	466	8/20/2026	6/24/2027	Undergrounding	Overall Utility Risk	
Proj00011-3UG-UGAS	4.81	6	466	8/20/2026	3/22/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00011-3UG-UGAS	4.81	6	466	8/20/2026	3/22/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00011-3UG-UGAS	4.81	6	466	8/20/2026	3/22/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00012-3UG-ALT1	4.854890901	5.45	676	8/20/2026	2/17/2028	Overhead Hardening	Overall Utility Risk	
Proj00012-3UG-ALT1	4.854890901	5.45	676	8/20/2026	2/17/2028	Overhead Hardening	Overall Utility Risk	
Proj00012-3UG-ALT1	4.854890901	5.45	676	8/20/2026	2/17/2028	Overhead Hardening	Overall Utility Risk	
Proj00012-3UG-PAS	4.854890901	6	676	8/20/2026	3/22/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00012-3UG-PAS	4.854890901	6	676	8/20/2026	3/22/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00012-3UG-PAS	4.854890901	6	676	8/20/2026	3/22/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00012-3UG-UGAS	3.5	5.51	676	8/20/2026	7/27/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00012-3UG-UGAS	3.5	5.51	676	8/20/2026	7/27/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00012-3UG-UGAS	3.5	5.51	676	8/20/2026	7/27/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00013-3UG-ALT1	7.715229106		833	8/20/2026		Overhead Hardening	Overall Utility Risk, Ignition Consequence	
Proj00013-3UG-ALT1	7.715229106		833	8/20/2026		Overhead Hardening	Overall Utility Risk, Ignition Consequence	
Proj00013-3UG-ALT1	7.715229106		833	8/20/2026		Overhead Hardening	Overall Utility Risk, Ignition Consequence	
Proj00013-3UG-PAS	7.715229106		833	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00013-3UG-PAS	7.715229106		833	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00013-3UG-PAS	7.715229106		833	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00013-3UG-UGAS	7.71	10.48	833	8/20/2026	2/10/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00013-3UG-UGAS	7.71	10.48	833	8/20/2026	2/10/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00013-3UG-UGAS	7.71	10.48	833	8/20/2026	2/10/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00014-3UG-ALT1	1.260822939	23.4	747	8/20/2026	12/10/2027	Overhead Hardening	Overall Utility Risk, Ignition Consequence	
Proj00014-3UG-ALT1	1.260822939	23.4	747	8/20/2026	12/10/2027	Overhead Hardening	Overall Utility Risk, Ignition Consequence	
Proj00014-3UG-ALT1	1.260822939	23.4	747	8/20/2026	12/10/2027	Overhead Hardening	Overall Utility Risk, Ignition Consequence	
Proj00014-3UG-PAS	1.260822939	0.48	747	8/20/2026	5/20/2028	Undergrounding	Overall Utility Risk	
Proj00014-3UG-PAS	1.260822939	0.48	747	8/20/2026	5/20/2028	Undergrounding	Overall Utility Risk	
Proj00014-3UG-PAS	1.260822939	0.48	747	8/20/2026	5/20/2028	Undergrounding	Overall Utility Risk	
Proj00014-3UG-UGAS	1.26	1.29	747	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00014-3UG-UGAS	1.26	1.29	747	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00014-3UG-UGAS	1.26	1.29	747	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00015-3UG-ALT1	23.28232258		956	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00015-3UG-ALT1	23.28232258		956	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00015-3UG-ALT1	23.28232258		956	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00015-3UG-PAS	23.28232258		956	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00015-3UG-PAS	23.28232258		956	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00015-3UG-PAS	23.28232258		956	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00015-3UG-UGAS	18.99	24.03	956	8/20/2026	2/16/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00015-3UG-UGAS	18.99	24.03	956	8/20/2026	2/16/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00015-3UG-UGAS	18.99	24.03	956	8/20/2026	2/16/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00016-3UG-ALT1	25.69597947	0.28	1870	8/20/2026	2/14/2028	Overhead Hardening	Overall Utility Risk	
Proj00016-3UG-ALT1	25.69597947	0.28	1870	8/20/2026	2/14/2028	Overhead Hardening	Overall Utility Risk	
Proj00016-3UG-ALT1	25.69597947	0.28	1870	8/20/2026	2/14/2028	Overhead Hardening	Overall Utility Risk	
Proj00016-3UG-PAS	25.69597947	5.51	1870	8/20/2026	7/27/2027	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00016-3UG-PAS	25.69597947	5.51	1870	8/20/2026	7/27/2027	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00016-3UG-PAS	25.69597947	5.51	1870	8/20/2026	7/27/2027	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00016-3UG-UGAS	1.4	1.86	1870	8/20/2026	6/30/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00016-3UG-UGAS	1.4	1.86	1870	8/20/2026	6/30/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00016-3UG-UGAS	1.4	1.86	1870	8/20/2026	6/30/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00017-3UG-ALT1	7.252187247		620	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00017-3UG-ALT1	7.252187247		620	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00017-3UG-ALT1	7.252187247		620	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00017-3UG-PAS	7.252187247		620	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00017-3UG-PAS	7.252187247		620	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00017-3UG-PAS	7.252187247		620	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00017-3UG-UGAS	2.93	3.72	620	8/20/2026	4/10/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00017-3UG-UGAS	2.93	3.72	620	8/20/2026	4/10/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00017-3UG-UGAS	2.93	3.72	620	8/20/2026	4/10/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00018-3UG-ALT1	2.67833823	33.55	510	8/20/2026	6/23/2027	Overhead Hardening	Overall Utility Risk	
Proj00018-3UG-ALT1	2.67833823	33.55	510	8/20/2026	6/23/2027	Overhead Hardening	Overall Utility Risk	
Proj00018-3UG-ALT1	2.67833823	33.55	510	8/20/2026	6/23/2027	Overhead Hardening	Overall Utility Risk	
Proj00018-3UG-PAS	2.67833823		510	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00018-3UG-PAS	2.67833823		510	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00018-3UG-PAS	2.67833823		510	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00018-3UG-UGAS	2.395409	2.46	510	8/20/2026	5/9/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00018-3UG-UGAS	2.395409	2.46	510	8/20/2026	5/9/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00018-3UG-UGAS	2.395409	2.46	510	8/20/2026	5/9/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00019-3UG-ALT1	8.534041043		836	8/20/2026		Overhead Hardening	Overall Utility Risk	

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rru_id	total_circuit_miles	total_circuit_miles_ug	risk_ranking	scoping_date	start_date	mitigation_type	undergrounding_mitigation_justification1	undergrounding_mitigation_justification2
Proj00019-3UG-ALT1	8.534041043		836	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00019-3UG-ALT1	8.534041043		836	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00019-3UG-PAS	8.534041043	6.69	836	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	
Proj00019-3UG-PAS	8.534041043	6.69	836	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	
Proj00019-3UG-PAS	8.534041043	6.69	836	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	
Proj00019-3UG-UGAS	8.53	11.43	836	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00019-3UG-UGAS	8.53	11.43	836	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00019-3UG-UGAS	8.53	11.43	836	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00020-3UG-ALT1	4.899493871	0.58	2201	8/20/2026	6/6/2028	Overhead Hardening	Overall Utility Risk	
Proj00020-3UG-ALT1	4.899493871	0.58	2201	8/20/2026	6/6/2028	Overhead Hardening	Overall Utility Risk	
Proj00020-3UG-ALT1	4.899493871	0.58	2201	8/20/2026	6/6/2028	Overhead Hardening	Overall Utility Risk	
Proj00020-3UG-PAS	4.899493871		2201	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00020-3UG-PAS	4.899493871		2201	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00020-3UG-PAS	4.899493871		2201	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00020-3UG-UGAS	4.9	5.45	2201	8/20/2026	2/17/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00020-3UG-UGAS	4.9	5.45	2201	8/20/2026	2/17/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00020-3UG-UGAS	4.9	5.45	2201	8/20/2026	2/17/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00021-3UG-ALT1	20.14158015		1634	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00021-3UG-ALT1	20.14158015		1634	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00021-3UG-ALT1	20.14158015		1634	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00021-3UG-PAS	20.14158015	0.58	1634	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk	
Proj00021-3UG-PAS	20.14158015	0.58	1634	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk	
Proj00021-3UG-PAS	20.14158015	0.58	1634	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk	
Proj00021-3UG-UGAS	20.14	23.4	1634	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk, Ignition Consequence	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00021-3UG-UGAS	20.14	23.4	1634	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk, Ignition Consequence	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00021-3UG-UGAS	20.14	23.4	1634	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk, Ignition Consequence	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00022-3UG-ALT1	2.411340082	3.58	1646	8/20/2026	1/4/2028	Overhead Hardening	Overall Utility Risk	
Proj00022-3UG-ALT1	2.411340082	3.58	1646	8/20/2026	1/4/2028	Overhead Hardening	Overall Utility Risk	
Proj00022-3UG-ALT1	2.411340082	3.58	1646	8/20/2026	1/4/2028	Overhead Hardening	Overall Utility Risk	
Proj00022-3UG-PAS	2.411340082	10.48	1646	8/20/2026	2/10/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00022-3UG-PAS	2.411340082	10.48	1646	8/20/2026	2/10/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00022-3UG-PAS	2.411340082	10.48	1646	8/20/2026	2/10/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00022-3UG-UGAS	0.28	0.28	1646	8/20/2026	2/14/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00022-3UG-UGAS	0.28	0.28	1646	8/20/2026	2/14/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00022-3UG-UGAS	0.28	0.28	1646	8/20/2026	2/14/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00023-3UG-ALT1	24.70650298		947	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00023-3UG-ALT1	24.70650298		947	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00023-3UG-ALT1	24.70650298		947	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00023-3UG-PAS	24.70650298		947	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00023-3UG-PAS	24.70650298		947	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00023-3UG-PAS	24.70650298		947	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00023-3UG-UGAS	24.51	33.55	947	8/20/2026	6/23/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00023-3UG-UGAS	24.51	33.55	947	8/20/2026	6/23/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00023-3UG-UGAS	24.51	33.55	947	8/20/2026	6/23/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00024-3UG-ALT1	1.141460638	3.47	1776	8/20/2026	2/3/2028	Overhead Hardening	Overall Utility Risk	
Proj00024-3UG-ALT1	1.141460638	3.47	1776	8/20/2026	2/3/2028	Overhead Hardening	Overall Utility Risk	
Proj00024-3UG-ALT1	1.141460638	3.47	1776	8/20/2026	2/3/2028	Overhead Hardening	Overall Utility Risk	
Proj00024-3UG-PAS	1.141460638		1776	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00024-3UG-PAS	1.141460638		1776	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00024-3UG-PAS	1.141460638		1776	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00024-3UG-UGAS	1.14	0.58	1776	8/20/2026	6/6/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00024-3UG-UGAS	1.14	0.58	1776	8/20/2026	6/6/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00024-3UG-UGAS	1.14	0.58	1776	8/20/2026	6/6/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00025-3UG-ALT1	2.841383023		1678	8/20/2026		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00025-3UG-ALT1	2.841383023		1678	8/20/2026		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00025-3UG-ALT1	2.841383023		1678	8/20/2026		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00025-3UG-PAS	2.841383023	1.08	1678	8/20/2026	6/5/2028	Undergrounding	Overall Utility Risk	
Proj00025-3UG-PAS	2.841383023	1.08	1678	8/20/2026	6/5/2028	Undergrounding	Overall Utility Risk	
Proj00025-3UG-PAS	2.841383023	1.08	1678	8/20/2026	6/5/2028	Undergrounding	Overall Utility Risk	
Proj00025-3UG-UGAS	2.84	3.58	1678	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00025-3UG-UGAS	2.84	3.58	1678	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00025-3UG-UGAS	2.84	3.58	1678	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00026-3UG-ALT1	3.391908236	1.35	2685	8/20/2026	3/1/2028	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00026-3UG-ALT1	3.391908236	1.35	2685	8/20/2026	3/1/2028	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00026-3UG-ALT1	3.391908236	1.35	2685	8/20/2026	3/1/2028	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00026-3UG-PAS	3.391908236		2685	8/20/2026		Undergrounding	Overall Utility Risk, Ignition Consequence	
Proj00026-3UG-PAS	3.391908236		2685	8/20/2026		Undergrounding	Overall Utility Risk, Ignition Consequence	
Proj00026-3UG-PAS	3.391908236		2685	8/20/2026		Undergrounding	Overall Utility Risk, Ignition Consequence	
Proj00026-3UG-UGAS	3.39	3.47	2685	8/20/2026	2/3/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00026-3UG-UGAS	3.39	3.47	2685	8/20/2026	2/3/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00026-3UG-UGAS	3.39	3.47	2685	8/20/2026	2/3/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00027-3UG-ALT1	1.322067785		215	8/20/2026		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00027-3UG-ALT1	1.322067785		215	8/20/2026		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00027-3UG-ALT1	1.322067785		215	8/20/2026		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00027-3UG-PAS	1.322067785	13.54	215	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk, Ignition Consequence	
Proj00027-3UG-PAS	1.322067785	13.54	215	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk, Ignition Consequence	
Proj00027-3UG-PAS	1.322067785	13.54	215	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk, Ignition Consequence	
Proj00027-3UG-UGAS	1.32	1.35	215	8/20/2026	3/1/2028	Undergrounding	Overall Utility Risk, Outage Program Likelihood	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00027-3UG-UGAS	1.32	1.35	215	8/20/2026	3/1/2028	Undergrounding	Overall Utility Risk, Outage Program Likelihood	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00027-3UG-UGAS	1.32	1.35	215	8/20/2026	3/1/2028	Undergrounding	Overall Utility Risk, Outage Program Likelihood	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00028-3UG-ALT1	3.337301116	2.88	447	8/20/2026	12/15/2027	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00028-3UG-ALT1	3.337301116	2.88	447	8/20/2026	12/15/2027	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00028-3UG-ALT1	3.337301116	2.88	447	8/20/2026	12/15/2027	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00028-3UG-PAS	3.337301116	1.29	447	8/20/2026	1/4/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00028-3UG-PAS	3.337301116	1.29	447	8/20/2026	1/4/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00028-3UG-PAS	3.337301116	1.29	447	8/20/2026	1/4/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00028-3UG-UGAS	2.65	2.88	447	8/20/2026	12/15/2027	Undergrounding	Overall Utility Risk, Outage Program Likelihood	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00028-3UG-UGAS	2.65	2.88	447	8/20/2026	12/15/2027	Undergrounding	Overall Utility Risk, Outage Program Likelihood	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00028-3UG-UGAS	2.65	2.88	447	8/20/2026	12/15/2027	Undergrounding	Overall Utility Risk, Outage Program Likelihood	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR

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rru_id	status	used_and_useful_date	bcr_year_zero	useful_life	ignition_pre_mitigated_likelihood	ignition_pre_mitigated_safety_consequences	ignition_pre_mitigated_residential_reliability_consequences	ignition_pre_mitigated_non_residential_reliability_consequences
Proj00001-3UG-ALT1			2028	48	0.038690036	0.20907354	0.015947042	1.20138439
Proj00001-3UG-ALT1			2028	48	0.038690036	0.20907354	0.015947042	1.20138439
Proj00001-3UG-ALT1			2028	48	0.038690036	0.20907354	0.015947042	1.20138439
Proj00001-3UG-PAS		9/28/2028	2028	55	0.038690036	0.20907354	0.015947042	1.20138439
Proj00001-3UG-PAS		9/28/2028	2028	55	0.038690036	0.20907354	0.015947042	1.20138439
Proj00001-3UG-PAS		9/28/2028	2028	55	0.038690036	0.20907354	0.015947042	1.20138439
Proj00001-3UG-UGAS	Designing	9/28/2028	2028	55	0.038690036	0.20907354	0.015947042	1.20138439
Proj00001-3UG-UGAS	Designing	9/28/2028	2028	55	0.038690036	0.20907354	0.015947042	1.20138439
Proj00001-3UG-UGAS	Designing	9/28/2028	2028	55	0.038690036	0.20907354	0.015947042	1.20138439
Proj00002-3UG-ALT1	Scoping	12/27/2028	2028	48	0.019036013	0.248861446	0.018981856	1.430014799
Proj00002-3UG-ALT1	Scoping	12/27/2028	2028	48	0.019036013	0.248861446	0.018981856	1.430014799
Proj00002-3UG-ALT1	Scoping	12/27/2028	2028	48	0.019036013	0.248861446	0.018981856	1.430014799
Proj00002-3UG-PAS	Designing	9/28/2028	2028	55	0.019036013	0.248861446	0.018981856	1.430014799
Proj00002-3UG-PAS	Designing	9/28/2028	2028	55	0.019036013	0.248861446	0.018981856	1.430014799
Proj00002-3UG-PAS	Designing	9/28/2028	2028	55	0.019036013	0.248861446	0.018981856	1.430014799
Proj00002-3UG-UGAS	Scoping	11/6/2028	2028	55	0.01073098	0.248861446	0.018981856	1.430014799
Proj00002-3UG-UGAS	Scoping	11/6/2028	2028	55	0.01073098	0.248861446	0.018981856	1.430014799
Proj00002-3UG-UGAS	Scoping	11/6/2028	2028	55	0.01073098	0.248861446	0.018981856	1.430014799
Proj00003-3UG-ALT1			2028	48	0.036771713	0.345171644	0.026327897	1.983435233
Proj00003-3UG-ALT1			2028	48	0.036771713	0.345171644	0.026327897	1.983435233
Proj00003-3UG-ALT1			2028	48	0.036771713	0.345171644	0.026327897	1.983435233
Proj00003-3UG-PAS		10/6/2028	2028	55	0.036771713	0.345171644	0.026327897	1.983435233
Proj00003-3UG-PAS		10/6/2028	2028	55	0.036771713	0.345171644	0.026327897	1.983435233
Proj00003-3UG-PAS		10/6/2028	2028	55	0.036771713	0.345171644	0.026327897	1.983435233
Proj00003-3UG-UGAS	Scoping	10/2/2028	2028	55	0.034121123	0.345171644	0.026327897	1.983435233
Proj00003-3UG-UGAS	Scoping	10/2/2028	2028	55	0.034121123	0.345171644	0.026327897	1.983435233
Proj00003-3UG-UGAS	Scoping	10/2/2028	2028	55	0.034121123	0.345171644	0.026327897	1.983435233
Proj00004-3UG-ALT1	Scoping	12/26/2028	2028	48	0.001360101	1.634349235	0.124659656	9.391344592
Proj00004-3UG-ALT1	Scoping	12/26/2028	2028	48	0.001360101	1.634349235	0.124659656	9.391344592
Proj00004-3UG-ALT1	Scoping	12/26/2028	2028	48	0.001360101	1.634349235	0.124659656	9.391344592
Proj00004-3UG-PAS	Scoping	11/6/2028	2028	55	0.001360101	1.634349235	0.124659656	9.391344592
Proj00004-3UG-PAS	Scoping	11/6/2028	2028	55	0.001360101	1.634349235	0.124659656	9.391344592
Proj00004-3UG-PAS	Scoping	11/6/2028	2028	55	0.001360101	1.634349235	0.124659656	9.391344592
Proj00004-3UG-UGAS	Scoping	10/9/2028	2028	55	0.001360101	1.634349235	0.124659656	9.391344592
Proj00004-3UG-UGAS	Scoping	10/9/2028	2028	55	0.001360101	1.634349235	0.124659656	9.391344592
Proj00004-3UG-UGAS	Scoping	10/9/2028	2028	55	0.001360101	1.634349235	0.124659656	9.391344592
Proj00005-3UG-ALT1			2028	48	0.010372174	0.639423905	0.048771928	3.674276036
Proj00005-3UG-ALT1			2028	48	0.010372174	0.639423905	0.048771928	3.674276036
Proj00005-3UG-ALT1			2028	48	0.010372174	0.639423905	0.048771928	3.674276036
Proj00005-3UG-PAS		9/7/2028	2028	55	0.010372174	0.639423905	0.048771928	3.674276036
Proj00005-3UG-PAS		9/7/2028	2028	55	0.010372174	0.639423905	0.048771928	3.674276036
Proj00005-3UG-PAS		9/7/2028	2028	55	0.010372174	0.639423905	0.048771928	3.674276036
Proj00005-3UG-UGAS	Scoping	10/30/2028	2028	55	0.010372174	0.639423905	0.048771928	3.674276036
Proj00005-3UG-UGAS	Scoping	10/30/2028	2028	55	0.010372174	0.639423905	0.048771928	3.674276036
Proj00005-3UG-UGAS	Scoping	10/30/2028	2028	55	0.010372174	0.639423905	0.048771928	3.674276036
Proj00006-3UG-ALT1	Designing	11/2/2028	2028	48	0.012947138	0.387692067	0.029571134	2.227767307
Proj00006-3UG-ALT1	Designing	11/2/2028	2028	48	0.012947138	0.387692067	0.029571134	2.227767307
Proj00006-3UG-ALT1	Designing	11/2/2028	2028	48	0.012947138	0.387692067	0.029571134	2.227767307
Proj00006-3UG-PAS		9/27/2028	2028	55	0.012947138	0.387692067	0.029571134	2.227767307
Proj00006-3UG-PAS		9/27/2028	2028	55	0.012947138	0.387692067	0.029571134	2.227767307
Proj00006-3UG-PAS		9/27/2028	2028	55	0.012947138	0.387692067	0.029571134	2.227767307
Proj00006-3UG-UGAS	Permitting	8/2/2028	2028	55	0.005458764	0.387692067	0.029571134	2.227767307
Proj00006-3UG-UGAS	Permitting	8/2/2028	2028	55	0.005458764	0.387692067	0.029571134	2.227767307
Proj00006-3UG-UGAS	Permitting	8/2/2028	2028	55	0.005458764	0.387692067	0.029571134	2.227767307
Proj00007-3UG-ALT1			2028	48	0.012850274	2.708287253	0.20657406	15.56243812
Proj00007-3UG-ALT1			2028	48	0.012850274	2.708287253	0.20657406	15.56243812
Proj00007-3UG-ALT1			2028	48	0.012850274	2.708287253	0.20657406	15.56243812
Proj00007-3UG-PAS	Scoping	11/16/2028	2028	55	0.012850274	2.708287253	0.20657406	15.56243812
Proj00007-3UG-PAS	Scoping	11/16/2028	2028	55	0.012850274	2.708287253	0.20657406	15.56243812
Proj00007-3UG-PAS	Scoping	11/16/2028	2028	55	0.012850274	2.708287253	0.20657406	15.56243812
Proj00007-3UG-UGAS	Designing	11/8/2028	2028	55	0.001820552	2.708287253	0.20657406	15.56243812
Proj00007-3UG-UGAS	Designing	11/8/2028	2028	55	0.001820552	2.708287253	0.20657406	15.56243812
Proj00007-3UG-UGAS	Designing	11/8/2028	2028	55	0.001820552	2.708287253	0.20657406	15.56243812
Proj00008-3UG-ALT1	Designing	12/13/2028	2028	48	0.026612303	3.642677634	0.277844496	20.93165901
Proj00008-3UG-ALT1	Designing	12/13/2028	2028	48	0.026612303	3.642677634	0.277844496	20.93165901
Proj00008-3UG-ALT1	Designing	12/13/2028	2028	48	0.026612303	3.642677634	0.277844496	20.93165901
Proj00008-3UG-PAS		11/9/2028	2028	55	0.026612303	3.642677634	0.277844496	20.93165901
Proj00008-3UG-PAS		11/9/2028	2028	55	0.026612303	3.642677634	0.277844496	20.93165901
Proj00008-3UG-PAS		11/9/2028	2028	55	0.026612303	3.642677634	0.277844496	20.93165901
Proj00008-3UG-UGAS	Designing	12/11/2028	2028	55	0.011007651	3.642677634	0.277844496	20.93165901
Proj00008-3UG-UGAS	Designing	12/11/2028	2028	55	0.011007651	3.642677634	0.277844496	20.93165901
Proj00008-3UG-UGAS	Designing	12/11/2028	2028	55	0.011007651	3.642677634	0.277844496	20.93165901
Proj00009-3UG-ALT1			2028	48	0.066115336	0.236931314	0.018071888	1.361461534
Proj00009-3UG-ALT1			2028	48	0.066115336	0.236931314	0.018071888	1.361461534
Proj00009-3UG-ALT1			2028	48	0.066115336	0.236931314	0.018071888	1.361461534
Proj00009-3UG-PAS	Scoping	12/22/2028	2028	55	0.066115336	0.236931314	0.018071888	1.361461534
Proj00009-3UG-PAS	Scoping	12/22/2028	2028	55	0.066115336	0.236931314	0.018071888	1.361461534
Proj00009-3UG-PAS	Scoping	12/22/2028	2028	55	0.066115336	0.236931314	0.018071888	1.361461534
Proj00009-3UG-UGAS	Scoping	11/16/2028	2028	55	0.061226238	0.236931314	0.018071888	1.361461534
Proj00009-3UG-UGAS	Scoping	11/16/2028	2028	55	0.061226238	0.236931314	0.018071888	1.361461534
Proj00009-3UG-UGAS	Scoping	11/16/2028	2028	55	0.061226238	0.236931314	0.018071888	1.361461534

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rru_id	status	used_and_useful_date	bcr_year_zero	useful_life	ignition_pre_mitigated_likelihood	ignition_pre_mitigated_safety_consequences	ignition_pre_mitigated_residential_reliability_consequences	ignition_pre_mitigated_non_residential_reliability_consequences
Proj00010-3UG-ALT1	Scoping	11/27/2028	2028	48	0.083626211	0.135632257	0.010345323	0.779373975
Proj00010-3UG-ALT1	Scoping	11/27/2028	2028	48	0.083626211	0.135632257	0.010345323	0.779373975
Proj00010-3UG-ALT1	Scoping	11/27/2028	2028	48	0.083626211	0.135632257	0.010345323	0.779373975
Proj00010-3UG-PAS		12/22/2028	2028	55	0.083626211	0.135632257	0.010345323	0.779373975
Proj00010-3UG-PAS		12/22/2028	2028	55	0.083626211	0.135632257	0.010345323	0.779373975
Proj00010-3UG-PAS		12/22/2028	2028	55	0.083626211	0.135632257	0.010345323	0.779373975
Proj00010-3UG-UGAS	Scoping	12/22/2028	2028	55	0.071261122	0.135632257	0.010345323	0.779373975
Proj00010-3UG-UGAS	Scoping	12/22/2028	2028	55	0.071261122	0.135632257	0.010345323	0.779373975
Proj00010-3UG-UGAS	Scoping	12/22/2028	2028	55	0.071261122	0.135632257	0.010345323	0.779373975
Proj00011-3UG-ALT1			2028	48	0.038218947	0.305071258	0.023269248	1.753009238
Proj00011-3UG-ALT1			2028	48	0.038218947	0.305071258	0.023269248	1.753009238
Proj00011-3UG-ALT1			2028	48	0.038218947	0.305071258	0.023269248	1.753009238
Proj00011-3UG-PAS	Scoping	10/2/2028	2028	55	0.038218947	0.305071258	0.023269248	1.753009238
Proj00011-3UG-PAS	Scoping	10/2/2028	2028	55	0.038218947	0.305071258	0.023269248	1.753009238
Proj00011-3UG-PAS	Scoping	10/2/2028	2028	55	0.038218947	0.305071258	0.023269248	1.753009238
Proj00011-3UG-UGAS	Scoping	11/22/2028	2028	55	0.019664016	0.305071258	0.023269248	1.753009238
Proj00011-3UG-UGAS	Scoping	11/22/2028	2028	55	0.019664016	0.305071258	0.023269248	1.753009238
Proj00011-3UG-UGAS	Scoping	11/22/2028	2028	55	0.019664016	0.305071258	0.023269248	1.753009238
Proj00012-3UG-ALT1	Scoping	7/3/2028	2028	48	0.0358941	0.3177241	0.024234341	1.825715361
Proj00012-3UG-ALT1	Scoping	7/3/2028	2028	48	0.0358941	0.3177241	0.024234341	1.825715361
Proj00012-3UG-ALT1	Scoping	7/3/2028	2028	48	0.0358941	0.3177241	0.024234341	1.825715361
Proj00012-3UG-PAS	Scoping	11/22/2028	2028	55	0.0358941	0.3177241	0.024234341	1.825715361
Proj00012-3UG-PAS	Scoping	11/22/2028	2028	55	0.0358941	0.3177241	0.024234341	1.825715361
Proj00012-3UG-PAS	Scoping	11/22/2028	2028	55	0.0358941	0.3177241	0.024234341	1.825715361
Proj00012-3UG-UGAS	Scoping	8/7/2028	2028	55	0.025876869	0.3177241	0.024234341	1.825715361
Proj00012-3UG-UGAS	Scoping	8/7/2028	2028	55	0.025876869	0.3177241	0.024234341	1.825715361
Proj00012-3UG-UGAS	Scoping	8/7/2028	2028	55	0.025876869	0.3177241	0.024234341	1.825715361
Proj00013-3UG-ALT1			2028	48	0.083097701	0.141865896	0.010820792	0.815193894
Proj00013-3UG-ALT1			2028	48	0.083097701	0.141865896	0.010820792	0.815193894
Proj00013-3UG-ALT1			2028	48	0.083097701	0.141865896	0.010820792	0.815193894
Proj00013-3UG-PAS		8/8/2028	2028	55	0.083097701	0.141865896	0.010820792	0.815193894
Proj00013-3UG-PAS		8/8/2028	2028	55	0.083097701	0.141865896	0.010820792	0.815193894
Proj00013-3UG-PAS		8/8/2028	2028	55	0.083097701	0.141865896	0.010820792	0.815193894
Proj00013-3UG-UGAS	Scoping	8/8/2028	2028	55	0.083097701	0.141865896	0.010820792	0.815193894
Proj00013-3UG-UGAS	Scoping	8/8/2028	2028	55	0.083097701	0.141865896	0.010820792	0.815193894
Proj00013-3UG-UGAS	Scoping	8/8/2028	2028	55	0.083097701	0.141865896	0.010820792	0.815193894
Proj00014-3UG-ALT1	Scoping	3/13/2029	2028	48	0.008595652	0.605269929	0.046166841	3.478019478
Proj00014-3UG-ALT1	Scoping	3/13/2029	2028	48	0.008595652	0.605269929	0.046166841	3.478019478
Proj00014-3UG-ALT1	Scoping	3/13/2029	2028	48	0.008595652	0.605269929	0.046166841	3.478019478
Proj00014-3UG-PAS	Scoping	10/9/2028	2028	55	0.008595652	0.605269929	0.046166841	3.478019478
Proj00014-3UG-PAS	Scoping	10/9/2028	2028	55	0.008595652	0.605269929	0.046166841	3.478019478
Proj00014-3UG-PAS	Scoping	10/9/2028	2028	55	0.008595652	0.605269929	0.046166841	3.478019478
Proj00014-3UG-UGAS	Scoping	7/10/2028	2028	55	0.008595652	0.605269929	0.046166841	3.478019478
Proj00014-3UG-UGAS	Scoping	7/10/2028	2028	55	0.008595652	0.605269929	0.046166841	3.478019478
Proj00014-3UG-UGAS	Scoping	7/10/2028	2028	55	0.008595652	0.605269929	0.046166841	3.478019478
Proj00015-3UG-ALT1			2028	48	0.043003742	2.693456185	0.205442823	15.47721541
Proj00015-3UG-ALT1			2028	48	0.043003742	2.693456185	0.205442823	15.47721541
Proj00015-3UG-ALT1			2028	48	0.043003742	2.693456185	0.205442823	15.47721541
Proj00015-3UG-PAS		8/7/2028	2028	55	0.043003742	2.693456185	0.205442823	15.47721541
Proj00015-3UG-PAS		8/7/2028	2028	55	0.043003742	2.693456185	0.205442823	15.47721541
Proj00015-3UG-PAS		8/7/2028	2028	55	0.043003742	2.693456185	0.205442823	15.47721541
Proj00015-3UG-UGAS	Scoping	12/27/2028	2028	55	0.035075588	2.693456185	0.205442823	15.47721541
Proj00015-3UG-UGAS	Scoping	12/27/2028	2028	55	0.035075588	2.693456185	0.205442823	15.47721541
Proj00015-3UG-UGAS	Scoping	12/27/2028	2028	55	0.035075588	2.693456185	0.205442823	15.47721541
Proj00016-3UG-ALT1	Designing	6/1/2028	2028	48	0.040871397	2.766387628	0.211005654	15.89629617
Proj00016-3UG-ALT1	Designing	6/1/2028	2028	48	0.040871397	2.766387628	0.211005654	15.89629617
Proj00016-3UG-ALT1	Designing	6/1/2028	2028	48	0.040871397	2.766387628	0.211005654	15.89629617
Proj00016-3UG-PAS	Scoping	8/7/2028	2028	55	0.040871397	2.766387628	0.211005654	15.89629617
Proj00016-3UG-PAS	Scoping	8/7/2028	2028	55	0.040871397	2.766387628	0.211005654	15.89629617
Proj00016-3UG-PAS	Scoping	8/7/2028	2028	55	0.040871397	2.766387628	0.211005654	15.89629617
Proj00016-3UG-UGAS	Scoping	12/26/2028	2028	55	0.002226806	2.766387628	0.211005654	15.89629617
Proj00016-3UG-UGAS	Scoping	12/26/2028	2028	55	0.002226806	2.766387628	0.211005654	15.89629617
Proj00016-3UG-UGAS	Scoping	12/26/2028	2028	55	0.002226806	2.766387628	0.211005654	15.89629617
Proj00017-3UG-ALT1			2028	48	0.080566102	0.144541341	0.011024861	0.830567612
Proj00017-3UG-ALT1			2028	48	0.080566102	0.144541341	0.011024861	0.830567612
Proj00017-3UG-ALT1			2028	48	0.080566102	0.144541341	0.011024861	0.830567612
Proj00017-3UG-PAS		11/29/2028	2028	55	0.080566102	0.144541341	0.011024861	0.830567612
Proj00017-3UG-PAS		11/29/2028	2028	55	0.080566102	0.144541341	0.011024861	0.830567612
Proj00017-3UG-PAS		11/29/2028	2028	55	0.080566102	0.144541341	0.011024861	0.830567612
Proj00017-3UG-UGAS	Designing	11/2/2028	2028	55	0.032549985	0.144541341	0.011024861	0.830567612
Proj00017-3UG-UGAS	Designing	11/2/2028	2028	55	0.032549985	0.144541341	0.011024861	0.830567612
Proj00017-3UG-UGAS	Designing	11/2/2028	2028	55	0.032549985	0.144541341	0.011024861	0.830567612
Proj00018-3UG-ALT1	Scoping	12/26/2028	2028	48	0.022617177	0.126435696	0.009643857	0.726528433
Proj00018-3UG-ALT1	Scoping	12/26/2028	2028	48	0.022617177	0.126435696	0.009643857	0.726528433
Proj00018-3UG-ALT1	Scoping	12/26/2028	2028	48	0.022617177	0.126435696	0.009643857	0.726528433
Proj00018-3UG-PAS		8/15/2028	2028	55	0.022617177	0.126435696	0.009643857	0.726528433
Proj00018-3UG-PAS		8/15/2028	2028	55	0.022617177	0.126435696	0.009643857	0.726528433
Proj00018-3UG-PAS		8/15/2028	2028	55	0.022617177	0.126435696	0.009643857	0.726528433
Proj00018-3UG-UGAS	Designing	12/13/2028	2028	55	0.020171127	0.126435696	0.009643857	0.726528433
Proj00018-3UG-UGAS	Designing	12/13/2028	2028	55	0.020171127	0.126435696	0.009643857	0.726528433
Proj00018-3UG-UGAS	Designing	12/13/2028	2028	55	0.020171127	0.126435696	0.009643857	0.726528433
Proj00019-3UG-ALT1			2028	48	0.087050782	0.215676126	0.016450653	1.239324361

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rru_id	status	used_and_useful_date	bcr_year_zero	useful_life	ignition_pre_mitigated_likelihood	ignition_pre_mitigated_safety_consequences	ignition_pre_mitigated_residential_reliability_consequences	ignition_pre_mitigated_non_residential_reliability_consequences
Proj00019-3UG-ALT1			2028	48	0.087050782	0.215676126	0.016450653	1.239324361
Proj00019-3UG-ALT1			2028	48	0.087050782	0.215676126	0.016450653	1.239324361
Proj00019-3UG-PAS	Scoping	10/30/2028	2028	55	0.087050782	0.215676126	0.016450653	1.239324361
Proj00019-3UG-PAS	Scoping	10/30/2028	2028	55	0.087050782	0.215676126	0.016450653	1.239324361
Proj00019-3UG-PAS	Scoping	10/30/2028	2028	55	0.087050782	0.215676126	0.016450653	1.239324361
Proj00019-3UG-UGAS	Scoping	11/27/2028	2028	55	0.087050782	0.215676126	0.016450653	1.239324361
Proj00019-3UG-UGAS	Scoping	11/27/2028	2028	55	0.087050782	0.215676126	0.016450653	1.239324361
Proj00019-3UG-UGAS	Scoping	11/27/2028	2028	55	0.087050782	0.215676126	0.016450653	1.239324361
Proj00020-3UG-ALT1	Designing	12/11/2028	2028	48	0.060034002	0.148893156	0.011356795	0.855574135
Proj00020-3UG-ALT1	Designing	12/11/2028	2028	48	0.060034002	0.148893156	0.011356795	0.855574135
Proj00020-3UG-ALT1	Designing	12/11/2028	2028	48	0.060034002	0.148893156	0.011356795	0.855574135
Proj00020-3UG-PAS		7/3/2028	2028	55	0.060034002	0.148893156	0.011356795	0.855574135
Proj00020-3UG-PAS		7/3/2028	2028	55	0.060034002	0.148893156	0.011356795	0.855574135
Proj00020-3UG-PAS		7/3/2028	2028	55	0.060034002	0.148893156	0.011356795	0.855574135
Proj00020-3UG-UGAS	Scoping	7/3/2028	2028	55	0.060034002	0.148893156	0.011356795	0.855574135
Proj00020-3UG-UGAS	Scoping	7/3/2028	2028	55	0.060034002	0.148893156	0.011356795	0.855574135
Proj00020-3UG-UGAS	Scoping	7/3/2028	2028	55	0.060034002	0.148893156	0.011356795	0.855574135
Proj00021-3UG-ALT1			2028	48	0.031880978	2.980351373	0.227325695	17.1257808
Proj00021-3UG-ALT1			2028	48	0.031880978	2.980351373	0.227325695	17.1257808
Proj00021-3UG-ALT1			2028	48	0.031880978	2.980351373	0.227325695	17.1257808
Proj00021-3UG-PAS	Permitting	3/13/2029	2028	55	0.031880978	2.980351373	0.227325695	17.1257808
Proj00021-3UG-PAS	Permitting	8/2/2028	2028	55	0.031880978	2.980351373	0.227325695	17.1257808
Proj00021-3UG-PAS	Permitting	8/2/2028	2028	55	0.031880978	2.980351373	0.227325695	17.1257808
Proj00021-3UG-UGAS	Scoping	3/13/2029	2028	55	0.031880978	2.980351373	0.227325695	17.1257808
Proj00021-3UG-UGAS	Scoping	3/13/2029	2028	55	0.031880978	2.980351373	0.227325695	17.1257808
Proj00021-3UG-UGAS	Scoping	3/13/2029	2028	55	0.031880978	2.980351373	0.227325695	17.1257808
Proj00022-3UG-ALT1	Scoping	8/24/2028	2028	48	0.007439318	1.828139979	0.139441005	10.50491054
Proj00022-3UG-ALT1	Scoping	8/24/2028	2028	48	0.007439318	1.828139979	0.139441005	10.50491054
Proj00022-3UG-ALT1	Scoping	8/24/2028	2028	48	0.007439318	1.828139979	0.139441005	10.50491054
Proj00022-3UG-PAS	Scoping	8/8/2028	2028	55	0.007439318	1.828139979	0.139441005	10.50491054
Proj00022-3UG-PAS	Scoping	8/8/2028	2028	55	0.007439318	1.828139979	0.139441005	10.50491054
Proj00022-3UG-PAS	Scoping	8/8/2028	2028	55	0.007439318	1.828139979	0.139441005	10.50491054
Proj00022-3UG-UGAS	Designing	5/1/2028	2028	55	0.000863839	1.828139979	0.139441005	10.50491054
Proj00022-3UG-UGAS	Designing	5/1/2028	2028	55	0.000863839	1.828139979	0.139441005	10.50491054
Proj00022-3UG-UGAS	Designing	5/1/2028	2028	55	0.000863839	1.828139979	0.139441005	10.50491054
Proj00023-3UG-ALT1			2028	48	0.059927617	2.051081319	0.156445811	11.78598248
Proj00023-3UG-ALT1			2028	48	0.059927617	2.051081319	0.156445811	11.78598248
Proj00023-3UG-ALT1			2028	48	0.059927617	2.051081319	0.156445811	11.78598248
Proj00023-3UG-PAS		11/30/2028	2028	55	0.059927617	2.051081319	0.156445811	11.78598248
Proj00023-3UG-PAS		11/30/2028	2028	55	0.059927617	2.051081319	0.156445811	11.78598248
Proj00023-3UG-PAS		11/30/2028	2028	55	0.059927617	2.051081319	0.156445811	11.78598248
Proj00023-3UG-UGAS	Scoping	12/26/2028	2028	55	0.059450991	2.051081319	0.156445811	11.78598248
Proj00023-3UG-UGAS	Scoping	12/26/2028	2028	55	0.059450991	2.051081319	0.156445811	11.78598248
Proj00023-3UG-UGAS	Scoping	12/26/2028	2028	55	0.059450991	2.051081319	0.156445811	11.78598248
Proj00024-3UG-ALT1	Scoping	7/3/2028	2028	48	0.006035938	0.273972814	0.020897221	1.574310465
Proj00024-3UG-ALT1	Scoping	7/3/2028	2028	48	0.006035938	0.273972814	0.020897221	1.574310465
Proj00024-3UG-ALT1	Scoping	7/3/2028	2028	48	0.006035938	0.273972814	0.020897221	1.574310465
Proj00024-3UG-PAS		11/16/2028	2028	55	0.006035938	0.273972814	0.020897221	1.574310465
Proj00024-3UG-PAS		11/16/2028	2028	55	0.006035938	0.273972814	0.020897221	1.574310465
Proj00024-3UG-PAS		11/16/2028	2028	55	0.006035938	0.273972814	0.020897221	1.574310465
Proj00024-3UG-UGAS	Designing	12/11/2028	2028	55	0.006035938	0.273972814	0.020897221	1.574310465
Proj00024-3UG-UGAS	Designing	12/11/2028	2028	55	0.006035938	0.273972814	0.020897221	1.574310465
Proj00024-3UG-UGAS	Designing	12/11/2028	2028	55	0.006035938	0.273972814	0.020897221	1.574310465
Proj00025-3UG-ALT1			2028	48	0.029321136	0.526675137	0.040172039	3.026395821
Proj00025-3UG-ALT1			2028	48	0.029321136	0.526675137	0.040172039	3.026395821
Proj00025-3UG-ALT1			2028	48	0.029321136	0.526675137	0.040172039	3.026395821
Proj00025-3UG-PAS	Designing	11/8/2028	2028	55	0.029321136	0.526675137	0.040172039	3.026395821
Proj00025-3UG-PAS	Designing	11/8/2028	2028	55	0.029321136	0.526675137	0.040172039	3.026395821
Proj00025-3UG-PAS	Designing	11/8/2028	2028	55	0.029321136	0.526675137	0.040172039	3.026395821
Proj00025-3UG-UGAS	Scoping	8/24/2028	2028	55	0.029321136	0.526675137	0.040172039	3.026395821
Proj00025-3UG-UGAS	Scoping	8/24/2028	2028	55	0.029321136	0.526675137	0.040172039	3.026395821
Proj00025-3UG-UGAS	Scoping	8/24/2028	2028	55	0.029321136	0.526675137	0.040172039	3.026395821
Proj00026-3UG-ALT1	Designing	9/1/2028	2028	48	0.031928444	0.197686047	0.015078463	1.135949251
Proj00026-3UG-ALT1	Designing	9/1/2028	2028	48	0.031928444	0.197686047	0.015078463	1.135949251
Proj00026-3UG-ALT1	Designing	9/1/2028	2028	48	0.031928444	0.197686047	0.015078463	1.135949251
Proj00026-3UG-PAS		7/3/2028	2028	55	0.031928444	0.197686047	0.015078463	1.135949251
Proj00026-3UG-PAS		7/3/2028	2028	55	0.031928444	0.197686047	0.015078463	1.135949251
Proj00026-3UG-PAS		7/3/2028	2028	55	0.031928444	0.197686047	0.015078463	1.135949251
Proj00026-3UG-UGAS	Scoping	7/3/2028	2028	55	0.031928444	0.197686047	0.015078463	1.135949251
Proj00026-3UG-UGAS	Scoping	7/3/2028	2028	55	0.031928444	0.197686047	0.015078463	1.135949251
Proj00026-3UG-UGAS	Scoping	7/3/2028	2028	55	0.031928444	0.197686047	0.015078463	1.135949251
Proj00027-3UG-ALT1			2028	48	0.024724523	0.76135095	0.058071889	4.374896729
Proj00027-3UG-ALT1			2028	48	0.024724523	0.76135095	0.058071889	4.374896729
Proj00027-3UG-ALT1			2028	48	0.024724523	0.76135095	0.058071889	4.374896729
Proj00027-3UG-PAS	Permitting	12/11/2028	2028	55	0.024724523	0.76135095	0.058071889	4.374896729
Proj00027-3UG-PAS	Permitting	12/11/2028	2028	55	0.024724523	0.76135095	0.058071889	4.374896729
Proj00027-3UG-PAS	Permitting	12/11/2028	2028	55	0.024724523	0.76135095	0.058071889	4.374896729
Proj00027-3UG-UGAS	Designing	9/1/2028	2028	55	0.024724523	0.76135095	0.058071889	4.374896729
Proj00027-3UG-UGAS	Designing	9/1/2028	2028	55	0.024724523	0.76135095	0.058071889	4.374896729
Proj00027-3UG-UGAS	Designing	9/1/2028	2028	55	0.024724523	0.76135095	0.058071889	4.374896729
Proj00028-3UG-ALT1	Designing	11/3/2028	2028	48	0.006035973	1.231320984	0.093918758	7.075452062
Proj00028-3UG-ALT1	Designing	11/3/2028	2028	48	0.006035973	1.231320984	0.093918758	7.075452062
Proj00028-3UG-ALT1	Designing	11/3/2028	2028	48	0.006035973	1.231320984	0.093918758	7.075452062
Proj00028-3UG-PAS	Scoping	7/10/2028	2028	55	0.006035973	1.231320984	0.093918758	7.075452062
Proj00028-3UG-PAS	Scoping	7/10/2028	2028	55	0.006035973	1.231320984	0.093918758	7.075452062
Proj00028-3UG-PAS	Scoping	7/10/2028	2028	55	0.006035973	1.231320984	0.093918758	7.075452062
Proj00028-3UG-UGAS	Scoping	11/3/2028	2028	55	0.004792895	1.231320984	0.093918758	7.075452062
Proj00028-3UG-UGAS	Scoping	11/3/2028	2028	55	0.004792895	1.231320984	0.093918758	7.075452062
Proj00028-3UG-UGAS	Scoping	11/3/2028	2028	55	0.004792895	1.231320984	0.093918758	7.075452062

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

rru_id	ignition_pre_mitigated_financial_consequences	ignition_post_mitigated_likelihood	ignition_post_mitigated_safety_consequences	ignition_post_mitigated_residential_reliability_consequences	ignition_post_mitigated_non_residential_reliability_consequences	ignition_post_mitigated_financial_consequences
Proj00001-3UG-ALT1	2.319465716	0.021221899	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-ALT1	2.319465716	0.021221899	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-ALT1	2.319465716	0.021221899	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-PAS	2.319465716	0.002448327	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-PAS	2.319465716	0.002448327	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-PAS	2.319465716	0.002448327	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-UGAS	2.319465716	0.002489707	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-UGAS	2.319465716	0.002489707	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-UGAS	2.319465716	0.002489707	0.20907354	0.015947042	1.20138439	2.319465716
Proj00002-3UG-ALT1	2.760873478	0.01458276	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-ALT1	2.760873478	0.01458276	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-ALT1	2.760873478	0.01458276	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-PAS	2.760873478	0.009472083	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-PAS	2.760873478	0.009472083	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-PAS	2.760873478	0.009472083	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-UGAS	2.760873478	0.001171718	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-UGAS	2.760873478	0.001171718	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-UGAS	2.760873478	0.001171718	0.248861446	0.018981856	1.430014799	2.760873478
Proj00003-3UG-ALT1	3.8293406	0.022202252	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-ALT1	3.8293406	0.022202252	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-ALT1	3.8293406	0.022202252	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-PAS	3.8293406	0.005698435	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-PAS	3.8293406	0.005698435	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-PAS	3.8293406	0.005698435	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-UGAS	3.8293406	0.003081431	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-UGAS	3.8293406	0.003081431	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-UGAS	3.8293406	0.003081431	0.345171644	0.026327897	1.983435233	3.8293406
Proj00004-3UG-ALT1	18.13150061	0.000819263	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-ALT1	18.13150061	0.000819263	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-ALT1	18.13150061	0.000819263	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-PAS	18.13150061	8.38E-05	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-PAS	18.13150061	8.38E-05	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-PAS	18.13150061	8.38E-05	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-UGAS	18.13150061	7.62E-05	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-UGAS	18.13150061	7.62E-05	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-UGAS	18.13150061	7.62E-05	1.634349235	0.124659656	9.391344592	18.13150061
Proj00005-3UG-ALT1	7.093780613	0.006319724	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-ALT1	7.093780613	0.006319724	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-ALT1	7.093780613	0.006319724	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-PAS	7.093780613	0.00070538	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-PAS	7.093780613	0.00070538	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-PAS	7.093780613	0.00070538	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-UGAS	7.093780613	0.000713912	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-UGAS	7.093780613	0.000713912	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-UGAS	7.093780613	0.000713912	0.639423905	0.048771928	3.674276036	7.093780613
Proj00006-3UG-ALT1	4.301062951	0.007371348	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-ALT1	4.301062951	0.007371348	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-ALT1	4.301062951	0.007371348	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-PAS	4.301062951	0.003741138	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-PAS	4.301062951	0.003741138	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-PAS	4.301062951	0.003741138	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-UGAS	4.301062951	0.00049237	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-UGAS	4.301062951	0.00049237	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-UGAS	4.301062951	0.00049237	0.387692067	0.029571134	2.227767307	4.301062951
Proj00007-3UG-ALT1	30.04578882	0.007083777	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-ALT1	30.04578882	0.007083777	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-ALT1	30.04578882	0.007083777	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-PAS	30.04578882	0.00618217	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-PAS	30.04578882	0.00618217	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-PAS	30.04578882	0.00618217	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-UGAS	30.04578882	0.000102076	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-UGAS	30.04578882	0.000102076	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-UGAS	30.04578882	0.000102076	2.708287253	0.20657406	15.56243812	30.04578882
Proj00008-3UG-ALT1	40.41193297	0.015603614	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-ALT1	40.41193297	0.015603614	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-ALT1	40.41193297	0.015603614	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-PAS	40.41193297	0.010287227	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-PAS	40.41193297	0.010287227	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-PAS	40.41193297	0.010287227	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-UGAS	40.41193297	0.000789675	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-UGAS	40.41193297	0.000789675	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-UGAS	40.41193297	0.000789675	3.642677634	0.277844496	20.93165901	40.41193297
Proj00009-3UG-ALT1	2.628520378	0.037167719	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-ALT1	2.628520378	0.037167719	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-ALT1	2.628520378	0.037167719	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-PAS	2.628520378	0.006461681	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-PAS	2.628520378	0.006461681	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-PAS	2.628520378	0.006461681	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-UGAS	2.628520378	0.004063814	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-UGAS	2.628520378	0.004063814	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-UGAS	2.628520378	0.004063814	0.236931314	0.018071888	1.361461534	2.628520378

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rru_id	ignition_pre_mitigated_financial_consequences	ignition_post_mitigated_likelihood	ignition_post_mitigated_safety_consequences	ignition_post_mitigated_residential_reliability_consequences	ignition_post_mitigated_non_residential_reliability_consequences	ignition_post_mitigated_financial_consequences
Proj00010-3UG-ALT1	1.504706761	0.048214359	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-ALT1	1.504706761	0.048214359	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-ALT1	1.504706761	0.048214359	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-PAS	1.504706761	0.012204157	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-PAS	1.504706761	0.012204157	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-PAS	1.504706761	0.012204157	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-UGAS	1.504706761	0.005121054	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-UGAS	1.504706761	0.005121054	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-UGAS	1.504706761	0.005121054	0.135632257	0.010345323	0.779373975	1.504706761
Proj00011-3UG-ALT1	3.384466171	0.029856278	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-ALT1	3.384466171	0.029856278	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-ALT1	3.384466171	0.029856278	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-PAS	3.384466171	0.020300447	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-PAS	3.384466171	0.020300447	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-PAS	3.384466171	0.020300447	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-UGAS	3.384466171	0.001758749	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-UGAS	3.384466171	0.001758749	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-UGAS	3.384466171	0.001758749	0.305071258	0.023269248	1.753009238	3.384466171
Proj00012-3UG-ALT1	3.52483703	0.021719065	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-ALT1	3.52483703	0.021719065	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-ALT1	3.52483703	0.021719065	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-PAS	3.52483703	0.008262856	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-PAS	3.52483703	0.008262856	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-PAS	3.52483703	0.008262856	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-UGAS	3.52483703	0.002216145	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-UGAS	3.52483703	0.002216145	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-UGAS	3.52483703	0.002216145	0.3177241	0.024234341	1.825715361	3.52483703
Proj00013-3UG-ALT1	1.573862873	0.049924859	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-ALT1	1.573862873	0.049924859	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-ALT1	1.573862873	0.049924859	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-PAS	1.573862873	0.005742894	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-PAS	1.573862873	0.005742894	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-PAS	1.573862873	0.005742894	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-UGAS	1.573862873	0.005762999	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-UGAS	1.573862873	0.005762999	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-UGAS	1.573862873	0.005762999	0.141865896	0.010820792	0.815193894	1.573862873
Proj00014-3UG-ALT1	6.714875776	0.004863607	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-ALT1	6.714875776	0.004863607	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-ALT1	6.714875776	0.004863607	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-PAS	6.714875776	0.00057695	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-PAS	6.714875776	0.00057695	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-PAS	6.714875776	0.00057695	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-UGAS	6.714875776	0.000579785	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-UGAS	6.714875776	0.000579785	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-UGAS	6.714875776	0.000579785	0.605269929	0.046166841	3.478019478	6.714875776
Proj00015-3UG-ALT1	29.88125268	0.024852853	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-ALT1	29.88125268	0.024852853	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-ALT1	29.88125268	0.024852853	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-PAS	29.88125268	0.006305614	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-PAS	29.88125268	0.006305614	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-PAS	29.88125268	0.006305614	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-UGAS	29.88125268	0.002241804	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-UGAS	29.88125268	0.002241804	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-UGAS	29.88125268	0.002241804	2.693456185	0.205442823	15.47721541	29.88125268
Proj00016-3UG-ALT1	30.69035545	0.022994385	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-ALT1	30.69035545	0.022994385	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-ALT1	30.69035545	0.022994385	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-PAS	30.69035545	0.021895215	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-PAS	30.69035545	0.021895215	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-PAS	30.69035545	0.021895215	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-UGAS	30.69035545	0.000152655	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-UGAS	30.69035545	0.000152655	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-UGAS	30.69035545	0.000152655	2.766387628	0.211005654	15.89629617	30.69035545
Proj00017-3UG-ALT1	1.603544308	0.043006657	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-ALT1	1.603544308	0.043006657	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-ALT1	1.603544308	0.043006657	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-PAS	1.603544308	0.027833581	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-PAS	1.603544308	0.027833581	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-PAS	1.603544308	0.027833581	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-UGAS	1.603544308	0.002229612	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-UGAS	1.603544308	0.002229612	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-UGAS	1.603544308	0.002229612	0.144541341	0.011024861	0.830567612	1.603544308
Proj00018-3UG-ALT1	1.402679947	0.013668731	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-ALT1	1.402679947	0.013668731	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-ALT1	1.402679947	0.013668731	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-PAS	1.402679947	0.003687129	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-PAS	1.402679947	0.003687129	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-PAS	1.402679947	0.003687129	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-UGAS	1.402679947	0.001264612	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-UGAS	1.402679947	0.001264612	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-UGAS	1.402679947	0.001264612	0.126435696	0.009643857	0.726528433	1.402679947
Proj00019-3UG-ALT1	2.392714929	0.047143878	0.215676126	0.016450653	1.239324361	2.392714929

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rru_id	ignition_pre_mitigated_financial_consequences	ignition_post_mitigated_likelihood	ignition_post_mitigated_safety_consequences	ignition_post_mitigated_residential_reliability_consequences	ignition_post_mitigated_non_residential_reliability_consequences	ignition_post_mitigated_financial_consequences
Proj00019-3UG-ALT1	2.392714929	0.047143878	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-ALT1	2.392714929	0.047143878	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-PAS	2.392714929	0.005471512	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-PAS	2.392714929	0.005471512	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-PAS	2.392714929	0.005471512	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-UGAS	2.392714929	0.005516035	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-UGAS	2.392714929	0.005516035	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-UGAS	2.392714929	0.005516035	0.215676126	0.016450653	1.239324361	2.392714929
Proj00020-3UG-ALT1	1.651823421	0.037320886	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-ALT1	1.651823421	0.037320886	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-ALT1	1.651823421	0.037320886	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-PAS	1.651823421	0.003586607	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-PAS	1.651823421	0.003586607	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-PAS	1.651823421	0.003586607	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-UGAS	1.651823421	0.003646305	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-UGAS	1.651823421	0.003646305	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-UGAS	1.651823421	0.003646305	0.148893156	0.011356795	0.855574135	1.651823421
Proj00021-3UG-ALT1	33.06407319	0.018046728	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-ALT1	33.06407319	0.018046728	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-ALT1	33.06407319	0.018046728	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-PAS	33.06407319	0.002285749	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-PAS	33.06407319	0.002285749	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-PAS	33.06407319	0.002285749	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-UGAS	33.06407319	0.002314351	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-UGAS	33.06407319	0.002314351	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-UGAS	33.06407319	0.002314351	2.980351373	0.227325695	17.1257808	33.06407319
Proj00022-3UG-ALT1	20.2814187	0.004333376	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-ALT1	20.2814187	0.004333376	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-ALT1	20.2814187	0.004333376	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-PAS	20.2814187	0.003905178	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-PAS	20.2814187	0.003905178	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-PAS	20.2814187	0.003905178	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-UGAS	20.2814187	7.56E-05	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-UGAS	20.2814187	7.56E-05	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-UGAS	20.2814187	7.56E-05	1.828139979	0.139441005	10.50491054	20.2814187
Proj00023-3UG-ALT1	22.75473404	0.035929905	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-ALT1	22.75473404	0.035929905	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-ALT1	22.75473404	0.035929905	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-PAS	22.75473404	0.004531439	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-PAS	22.75473404	0.004531439	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-PAS	22.75473404	0.004531439	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-UGAS	22.75473404	0.004299212	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-UGAS	22.75473404	0.004299212	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-UGAS	22.75473404	0.004299212	2.051081319	0.156445811	11.78598248	22.75473404
Proj00024-3UG-ALT1	3.03945946	0.003602912	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-ALT1	3.03945946	0.003602912	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-ALT1	3.03945946	0.003602912	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-PAS	3.03945946	0.0003804	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-PAS	3.03945946	0.0003804	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-PAS	3.03945946	0.0003804	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-UGAS	3.03945946	0.000378623	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-UGAS	3.03945946	0.000378623	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-UGAS	3.03945946	0.000378623	0.273972814	0.020897221	1.574310465	3.03945946
Proj00025-3UG-ALT1	5.842943697	0.015800834	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-ALT1	5.842943697	0.015800834	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-ALT1	5.842943697	0.015800834	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-PAS	5.842943697	0.001879402	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-PAS	5.842943697	0.001879402	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-PAS	5.842943697	0.001879402	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-UGAS	5.842943697	0.001893998	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-UGAS	5.842943697	0.001893998	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-UGAS	5.842943697	0.001893998	0.526675137	0.040172039	3.026395821	5.842943697
Proj00026-3UG-ALT1	2.19313266	0.020003967	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-ALT1	2.19313266	0.020003967	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-ALT1	2.19313266	0.020003967	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-PAS	2.19313266	0.00181383	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-PAS	2.19313266	0.00181383	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-PAS	2.19313266	0.00181383	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-UGAS	2.19313266	0.0018275	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-UGAS	2.19313266	0.0018275	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-UGAS	2.19313266	0.0018275	0.197686047	0.015078463	1.135949251	2.19313266
Proj00027-3UG-ALT1	8.446441502	0.013800867	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-ALT1	8.446441502	0.013800867	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-ALT1	8.446441502	0.013800867	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-PAS	8.446441502	0.001539168	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-PAS	8.446441502	0.001539168	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-PAS	8.446441502	0.001539168	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-UGAS	8.446441502	0.001524825	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-UGAS	8.446441502	0.001524825	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-UGAS	8.446441502	0.001524825	0.76135095	0.058071889	4.374896729	8.446441502
Proj00028-3UG-ALT1	13.66029775	0.004185732	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-ALT1	13.66029775	0.004185732	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-ALT1	13.66029775	0.004185732	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-PAS	13.66029775	0.001279217	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-PAS	13.66029775	0.001279217	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-PAS	13.66029775	0.001279217	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-UGAS	13.66029775	0.000354561	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-UGAS	13.66029775	0.000354561	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-UGAS	13.66029775	0.000354561	1.231320984	0.093918758	7.075452062	13.66029775

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rru_id	outage_program_pre_mitigated_likelihood	outage_program_pre_mitigated_safety_consequences	outage_program_pre_mitigated_residential_reliability_consequences	outage_program_pre_mitigated_non_residential_reliability_consequences	outage_program_pre_mitigated_financial_consequences	outage_program_post_mitigated_likelihood
Proj00001-3UG-ALT1	3410.949437	2.78E-05	1.47E-05	0.001007015	0	3257.461895
Proj00001-3UG-ALT1	3410.949437	2.78E-05	1.47E-05	0.001007015	0	3257.461895
Proj00001-3UG-ALT1	3410.949437	2.78E-05	1.47E-05	0.001007015	0	3257.461895
Proj00001-3UG-PAS	3410.949437	2.78E-05	1.47E-05	0.001007015	0	0
Proj00001-3UG-PAS	3410.949437	2.78E-05	1.47E-05	0.001007015	0	0
Proj00001-3UG-PAS	3410.949437	2.78E-05	1.47E-05	0.001007015	0	0
Proj00001-3UG-UGAS	3313.172825	2.78E-05	1.47E-05	0.001007015	0	0
Proj00001-3UG-UGAS	3313.172825	2.78E-05	1.47E-05	0.001007015	0	0
Proj00001-3UG-UGAS	3313.172825	2.78E-05	1.47E-05	0.001007015	0	0
Proj00002-3UG-ALT1	324.3914932		0.000257369	0.005267008	0	229.3489084
Proj00002-3UG-ALT1	324.3914932		0.000257369	0.005267008	0	229.3489084
Proj00002-3UG-ALT1	324.3914932		0.000257369	0.005267008	0	229.3489084
Proj00002-3UG-PAS	324.3914932		0.000257369	0.005267008	0	141.6172917
Proj00002-3UG-PAS	324.3914932		0.000257369	0.005267008	0	141.6172917
Proj00002-3UG-PAS	324.3914932		0.000257369	0.005267008	0	141.6172917
Proj00002-3UG-UGAS			0.000257369	0.005267008	0	0
Proj00002-3UG-UGAS			0.000257369	0.005267008	0	0
Proj00002-3UG-UGAS			0.000257369	0.005267008	0	0
Proj00003-3UG-ALT1	3657.05198	3.94E-05	2.85E-05	0.001252914	0	2834.494498
Proj00003-3UG-ALT1	3657.05198	3.94E-05	2.85E-05	0.001252914	0	2834.494498
Proj00003-3UG-ALT1	3657.05198	3.94E-05	2.85E-05	0.001252914	0	2834.494498
Proj00003-3UG-PAS	3657.05198	3.94E-05	2.85E-05	0.001252914	0	251.4855447
Proj00003-3UG-PAS	3657.05198	3.94E-05	2.85E-05	0.001252914	0	251.4855447
Proj00003-3UG-PAS	3657.05198	3.94E-05	2.85E-05	0.001252914	0	251.4855447
Proj00003-3UG-UGAS	3412.808138	3.94E-05	2.85E-05	0.001252914	0	0
Proj00003-3UG-UGAS	3412.808138	3.94E-05	2.85E-05	0.001252914	0	0
Proj00003-3UG-UGAS	3412.808138	3.94E-05	2.85E-05	0.001252914	0	0
Proj00004-3UG-ALT1	374.3691259	3.41E-05	4.48E-06	0.000119058	0	187.55209
Proj00004-3UG-ALT1	374.3691259	3.41E-05	4.48E-06	0.000119058	0	187.55209
Proj00004-3UG-ALT1	374.3691259	3.41E-05	4.48E-06	0.000119058	0	187.55209
Proj00004-3UG-PAS	374.3691259	3.41E-05	4.48E-06	0.000119058	0	2.389520227
Proj00004-3UG-PAS	374.3691259	3.41E-05	4.48E-06	0.000119058	0	2.389520227
Proj00004-3UG-PAS	374.3691259	3.41E-05	4.48E-06	0.000119058	0	2.389520227
Proj00004-3UG-UGAS	374.3257319	3.41E-05	4.48E-06	0.000119058	0	0
Proj00004-3UG-UGAS	374.3257319	3.41E-05	4.48E-06	0.000119058	0	0
Proj00004-3UG-UGAS	374.3257319	3.41E-05	4.48E-06	0.000119058	0	0
Proj00005-3UG-ALT1	843.0066332	8.35E-06	1.85E-06	0.000303419	0	785.285084
Proj00005-3UG-ALT1	843.0066332	8.35E-06	1.85E-06	0.000303419	0	785.285084
Proj00005-3UG-ALT1	843.0066332	8.35E-06	1.85E-06	0.000303419	0	785.285084
Proj00005-3UG-PAS	843.0066332	8.35E-06	1.85E-06	0.000303419	0	0.133593598
Proj00005-3UG-PAS	843.0066332	8.35E-06	1.85E-06	0.000303419	0	0.133593598
Proj00005-3UG-PAS	843.0066332	8.35E-06	1.85E-06	0.000303419	0	0.133593598
Proj00005-3UG-UGAS	842.8730527	8.35E-06	1.85E-06	0.000303419	0	0
Proj00005-3UG-UGAS	842.8730527	8.35E-06	1.85E-06	0.000303419	0	0
Proj00005-3UG-UGAS	842.8730527	8.35E-06	1.85E-06	0.000303419	0	0
Proj00006-3UG-ALT1	1393.246218	2.50E-05	1.29E-05	0.000813814	0	972.963162
Proj00006-3UG-ALT1	1393.246218	2.50E-05	1.29E-05	0.000813814	0	972.963162
Proj00006-3UG-ALT1	1393.246218	2.50E-05	1.29E-05	0.000813814	0	972.963162
Proj00006-3UG-PAS	1393.246218	2.50E-05	1.29E-05	0.000813814	0	395.5617359
Proj00006-3UG-PAS	1393.246218	2.50E-05	1.29E-05	0.000813814	0	395.5617359
Proj00006-3UG-PAS	1393.246218	2.50E-05	1.29E-05	0.000813814	0	395.5617359
Proj00006-3UG-UGAS	638.9961751	2.50E-05	1.29E-05	0.000813814	0	0
Proj00006-3UG-UGAS	638.9961751	2.50E-05	1.29E-05	0.000813814	0	0
Proj00006-3UG-UGAS	638.9961751	2.50E-05	1.29E-05	0.000813814	0	0
Proj00007-3UG-ALT1	1121.251228	1.25E-05	8.49E-07	0.000465494	0	1071.889071
Proj00007-3UG-ALT1	1121.251228	1.25E-05	8.49E-07	0.000465494	0	1071.889071
Proj00007-3UG-ALT1	1121.251228	1.25E-05	8.49E-07	0.000465494	0	1071.889071
Proj00007-3UG-PAS	1121.251228	1.25E-05	8.49E-07	0.000465494	0	953.1857103
Proj00007-3UG-PAS	1121.251228	1.25E-05	8.49E-07	0.000465494	0	953.1857103
Proj00007-3UG-PAS	1121.251228	1.25E-05	8.49E-07	0.000465494	0	953.1857103
Proj00007-3UG-UGAS	127.4861552	1.25E-05	8.49E-07	0.000465494	0	0
Proj00007-3UG-UGAS	127.4861552	1.25E-05	8.49E-07	0.000465494	0	0
Proj00007-3UG-UGAS	127.4861552	1.25E-05	8.49E-07	0.000465494	0	0
Proj00008-3UG-ALT1	3808.714283	1.90E-05	3.28E-07	0.000698799	0	3662.541523
Proj00008-3UG-ALT1	3808.714283	1.90E-05	3.28E-07	0.000698799	0	3662.541523
Proj00008-3UG-ALT1	3808.714283	1.90E-05	3.28E-07	0.000698799	0	3662.541523
Proj00008-3UG-PAS	3808.714283	1.90E-05	3.28E-07	0.000698799	0	1609.249745
Proj00008-3UG-PAS	3808.714283	1.90E-05	3.28E-07	0.000698799	0	1609.249745
Proj00008-3UG-PAS	3808.714283	1.90E-05	3.28E-07	0.000698799	0	1609.249745
Proj00008-3UG-UGAS	2018.566636	1.90E-05	3.28E-07	0.000698799	0	0
Proj00008-3UG-UGAS	2018.566636	1.90E-05	3.28E-07	0.000698799	0	0
Proj00008-3UG-UGAS	2018.566636	1.90E-05	3.28E-07	0.000698799	0	0
Proj00009-3UG-ALT1	1720.982076	2.06E-05	2.78E-05	0.000788946	0	1282.22072
Proj00009-3UG-ALT1	1720.982076	2.06E-05	2.78E-05	0.000788946	0	1282.22072
Proj00009-3UG-ALT1	1720.982076	2.06E-05	2.78E-05	0.000788946	0	1282.22072
Proj00009-3UG-PAS	1720.982076	2.06E-05	2.78E-05	0.000788946	0	26.39123199
Proj00009-3UG-PAS	1720.982076	2.06E-05	2.78E-05	0.000788946	0	26.39123199
Proj00009-3UG-PAS	1720.982076	2.06E-05	2.78E-05	0.000788946	0	26.39123199
Proj00009-3UG-UGAS	1666.323004	2.06E-05	2.78E-05	0.000788946	0	0
Proj00009-3UG-UGAS	1666.323004	2.06E-05	2.78E-05	0.000788946	0	0
Proj00009-3UG-UGAS	1666.323004	2.06E-05	2.78E-05	0.000788946	0	0

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rru_id	outage_program_pre_mitigated_likelihood	outage_program_pre_mitigated_safety_consequences	outage_program_pre_mitigated_residential_reliability_consequences	outage_program_pre_mitigated_non_residential_reliability_consequences	outage_program_pre_mitigated_financial_consequences	outage_program_post_mitigated_likelihood
Proj00010-3UG-ALT1	903.6831352		5.87E-05	0.001403083	0	433.7679049
Proj00010-3UG-ALT1	903.6831352		5.87E-05	0.001403083	0	433.7679049
Proj00010-3UG-ALT1	903.6831352		5.87E-05	0.001403083	0	433.7679049
Proj00010-3UG-PAS	903.6831352		5.87E-05	0.001403083	0	64.38006529
Proj00010-3UG-PAS	903.6831352		5.87E-05	0.001403083	0	64.38006529
Proj00010-3UG-PAS	903.6831352		5.87E-05	0.001403083	0	64.38006529
Proj00010-3UG-UGAS			5.87E-05	0.001403083	0	0
Proj00010-3UG-UGAS			5.87E-05	0.001403083	0	0
Proj00010-3UG-UGAS			5.87E-05	0.001403083	0	0
Proj00011-3UG-ALT1	3439.483702	5.23E-05	2.92E-05	0.001777666	0	3152.395791
Proj00011-3UG-ALT1	3439.483702	5.23E-05	2.92E-05	0.001777666	0	3152.395791
Proj00011-3UG-ALT1	3439.483702	5.23E-05	2.92E-05	0.001777666	0	3152.395791
Proj00011-3UG-PAS	3439.483702	5.23E-05	2.92E-05	0.001777666	0	1518.143899
Proj00011-3UG-PAS	3439.483702	5.23E-05	2.92E-05	0.001777666	0	1518.143899
Proj00011-3UG-PAS	3439.483702	5.23E-05	2.92E-05	0.001777666	0	1518.143899
Proj00011-3UG-UGAS	1956.721147	5.23E-05	2.92E-05	0.001777666	0	0
Proj00011-3UG-UGAS	1956.721147	5.23E-05	2.92E-05	0.001777666	0	0
Proj00011-3UG-UGAS	1956.721147	5.23E-05	2.92E-05	0.001777666	0	0
Proj00012-3UG-ALT1	3882.940823	1.48E-05	7.66E-06	0.000447944	0	3472.163484
Proj00012-3UG-ALT1	3882.940823	1.48E-05	7.66E-06	0.000447944	0	3472.163484
Proj00012-3UG-ALT1	3882.940823	1.48E-05	7.66E-06	0.000447944	0	3472.163484
Proj00012-3UG-PAS	3882.940823	1.48E-05	7.66E-06	0.000447944	0	502.8948057
Proj00012-3UG-PAS	3882.940823	1.48E-05	7.66E-06	0.000447944	0	502.8948057
Proj00012-3UG-PAS	3882.940823	1.48E-05	7.66E-06	0.000447944	0	502.8948057
Proj00012-3UG-UGAS	3340.484125	1.48E-05	7.66E-06	0.000447944	0	0
Proj00012-3UG-UGAS	3340.484125	1.48E-05	7.66E-06	0.000447944	0	0
Proj00012-3UG-UGAS	3340.484125	1.48E-05	7.66E-06	0.000447944	0	0
Proj00013-3UG-ALT1	1325.549468	3.55E-05	4.87E-05	0.001502186	0	755.6148225
Proj00013-3UG-ALT1	1325.549468	3.55E-05	4.87E-05	0.001502186	0	755.6148225
Proj00013-3UG-ALT1	1325.549468	3.55E-05	4.87E-05	0.001502186	0	755.6148225
Proj00013-3UG-PAS	1325.549468	3.55E-05	4.87E-05	0.001502186	0	230.2031929
Proj00013-3UG-PAS	1325.549468	3.55E-05	4.87E-05	0.001502186	0	230.2031929
Proj00013-3UG-PAS	1325.549468	3.55E-05	4.87E-05	0.001502186	0	230.2031929
Proj00013-3UG-UGAS	1012.494481	3.55E-05	4.87E-05	0.001502186	0	0
Proj00013-3UG-UGAS	1012.494481	3.55E-05	4.87E-05	0.001502186	0	0
Proj00013-3UG-UGAS	1012.494481	3.55E-05	4.87E-05	0.001502186	0	0
Proj00014-3UG-ALT1	75.93918898		0.00024625	0.00427329	0	36.47649278
Proj00014-3UG-ALT1	75.93918898		0.00024625	0.00427329	0	36.47649278
Proj00014-3UG-ALT1	75.93918898		0.00024625	0.00427329	0	36.47649278
Proj00014-3UG-PAS	75.93918898		0.00024625	0.00427329	0	0.0493886
Proj00014-3UG-PAS	75.93918898		0.00024625	0.00427329	0	0.0493886
Proj00014-3UG-PAS	75.93918898		0.00024625	0.00427329	0	0.0493886
Proj00014-3UG-UGAS			0.00024625	0.00427329	0	0
Proj00014-3UG-UGAS			0.00024625	0.00427329	0	0
Proj00014-3UG-UGAS			0.00024625	0.00427329	0	0
Proj00015-3UG-ALT1	4158.88394	3.19E-05	1.52E-05	0.000825703	0	3075.870807
Proj00015-3UG-ALT1	4158.88394	3.19E-05	1.52E-05	0.000825703	0	3075.870807
Proj00015-3UG-ALT1	4158.88394	3.19E-05	1.52E-05	0.000825703	0	3075.870807
Proj00015-3UG-PAS	4158.88394	3.19E-05	1.52E-05	0.000825703	0	217.6807418
Proj00015-3UG-PAS	4158.88394	3.19E-05	1.52E-05	0.000825703	0	217.6807418
Proj00015-3UG-PAS	4158.88394	3.19E-05	1.52E-05	0.000825703	0	217.6807418
Proj00015-3UG-UGAS	3879.416278	3.19E-05	1.52E-05	0.000825703	0	0
Proj00015-3UG-UGAS	3879.416278	3.19E-05	1.52E-05	0.000825703	0	0
Proj00015-3UG-UGAS	3879.416278	3.19E-05	1.52E-05	0.000825703	0	0
Proj00016-3UG-ALT1	388.9214214		2.02E-05	0.000305602	0	186.6822823
Proj00016-3UG-ALT1	388.9214214		2.02E-05	0.000305602	0	186.6822823
Proj00016-3UG-ALT1	388.9214214		2.02E-05	0.000305602	0	186.6822823
Proj00016-3UG-PAS	388.9214214		2.02E-05	0.000305602	0	176.5404339
Proj00016-3UG-PAS	388.9214214		2.02E-05	0.000305602	0	176.5404339
Proj00016-3UG-PAS	388.9214214		2.02E-05	0.000305602	0	176.5404339
Proj00016-3UG-UGAS			2.02E-05	0.000305602	0	0
Proj00016-3UG-UGAS			2.02E-05	0.000305602	0	0
Proj00016-3UG-UGAS			2.02E-05	0.000305602	0	0
Proj00017-3UG-ALT1	1089.35219	4.54E-05	0.000107815	0.002724139	0	593.8067865
Proj00017-3UG-ALT1	1089.35219	4.54E-05	0.000107815	0.002724139	0	593.8067865
Proj00017-3UG-ALT1	1089.35219	4.54E-05	0.000107815	0.002724139	0	593.8067865
Proj00017-3UG-PAS	1089.35219	4.54E-05	0.000107815	0.002724139	0	272.8509797
Proj00017-3UG-PAS	1089.35219	4.54E-05	0.000107815	0.002724139	0	272.8509797
Proj00017-3UG-PAS	1089.35219	4.54E-05	0.000107815	0.002724139	0	272.8509797
Proj00017-3UG-UGAS	769.5013648	4.54E-05	0.000107815	0.002724139	0	0
Proj00017-3UG-UGAS	769.5013648	4.54E-05	0.000107815	0.002724139	0	0
Proj00017-3UG-UGAS	769.5013648	4.54E-05	0.000107815	0.002724139	0	0
Proj00018-3UG-ALT1	913.3353501	5.43E-05	1.25E-05	0.001709971	0	834.3462
Proj00018-3UG-ALT1	913.3353501	5.43E-05	1.25E-05	0.001709971	0	834.3462
Proj00018-3UG-ALT1	913.3353501	5.43E-05	1.25E-05	0.001709971	0	834.3462
Proj00018-3UG-PAS	913.3353501	5.43E-05	1.25E-05	0.001709971	0	18.44672875
Proj00018-3UG-PAS	913.3353501	5.43E-05	1.25E-05	0.001709971	0	18.44672875
Proj00018-3UG-PAS	913.3353501	5.43E-05	1.25E-05	0.001709971	0	18.44672875
Proj00018-3UG-UGAS	884.8840388	5.43E-05	1.25E-05	0.001709971	0	0
Proj00018-3UG-UGAS	884.8840388	5.43E-05	1.25E-05	0.001709971	0	0
Proj00018-3UG-UGAS	884.8840388	5.43E-05	1.25E-05	0.001709971	0	0
Proj00019-3UG-ALT1	1141.555531	4.95E-05	9.96E-05	0.001798369	0	695.44428

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rru_id	outage_program_pre_mitigated_likelihood	outage_program_pre_mitigated_safety_consequences	outage_program_pre_mitigated_residential_reliability_consequences	outage_program_pre_mitigated_non_residential_reliability_consequences	outage_program_pre_mitigated_financial_consequences	outage_program_post_mitigated_likelihood
Proj00019-3UG-ALT1	1141.555531	4.95E-05	9.96E-05	0.001798369	0	695.44428
Proj00019-3UG-ALT1	1141.555531	4.95E-05	9.96E-05	0.001798369	0	695.44428
Proj00019-3UG-PAS	1141.555531	4.95E-05	9.96E-05	0.001798369	0	0.406323711
Proj00019-3UG-PAS	1141.555531	4.95E-05	9.96E-05	0.001798369	0	0.406323711
Proj00019-3UG-PAS	1141.555531	4.95E-05	9.96E-05	0.001798369	0	0.406323711
Proj00019-3UG-UGAS	1141.163381	4.95E-05	9.96E-05	0.001798369	0	0
Proj00019-3UG-UGAS	1141.163381	4.95E-05	9.96E-05	0.001798369	0	0
Proj00019-3UG-UGAS	1141.163381	4.95E-05	9.96E-05	0.001798369	0	0
Proj00020-3UG-ALT1	605.7768869		9.01E-05	0.000146689	0	290.7729057
Proj00020-3UG-ALT1	605.7768869		9.01E-05	0.000146689	0	290.7729057
Proj00020-3UG-ALT1	605.7768869		9.01E-05	0.000146689	0	290.7729057
Proj00020-3UG-PAS	605.7768869		9.01E-05	0.000146689	0	0
Proj00020-3UG-PAS	605.7768869		9.01E-05	0.000146689	0	0
Proj00020-3UG-PAS	605.7768869		9.01E-05	0.000146689	0	0
Proj00020-3UG-UGAS			9.01E-05	0.000146689	0	0
Proj00020-3UG-UGAS			9.01E-05	0.000146689	0	0
Proj00020-3UG-UGAS			9.01E-05	0.000146689	0	0
Proj00021-3UG-ALT1	1209.027281	8.97E-06	1.54E-05	0.000353526	0	900.1116505
Proj00021-3UG-ALT1	1209.027281	8.97E-06	1.54E-05	0.000353526	0	900.1116505
Proj00021-3UG-ALT1	1209.027281	8.97E-06	1.54E-05	0.000353526	0	900.1116505
Proj00021-3UG-PAS	1209.027281	8.97E-06	1.54E-05	0.000353526	0	0.046286956
Proj00021-3UG-PAS	1209.027281	8.97E-06	1.54E-05	0.000353526	0	0.046286956
Proj00021-3UG-PAS	1209.027281	8.97E-06	1.54E-05	0.000353526	0	0.046286956
Proj00021-3UG-UGAS	1199.994351	8.97E-06	1.54E-05	0.000353526	0	0
Proj00021-3UG-UGAS	1199.994351	8.97E-06	1.54E-05	0.000353526	0	0
Proj00021-3UG-UGAS	1199.994351	8.97E-06	1.54E-05	0.000353526	0	0
Proj00022-3UG-ALT1	59.31931545		1.97E-05	0.000152795	0	28.4904128
Proj00022-3UG-ALT1	59.31931545		1.97E-05	0.000152795	0	28.4904128
Proj00022-3UG-ALT1	59.31931545		1.97E-05	0.000152795	0	28.4904128
Proj00022-3UG-PAS	59.31931545		1.97E-05	0.000152795	0	25.18415321
Proj00022-3UG-PAS	59.31931545		1.97E-05	0.000152795	0	25.18415321
Proj00022-3UG-PAS	59.31931545		1.97E-05	0.000152795	0	25.18415321
Proj00022-3UG-UGAS			1.97E-05	0.000152795	0	0
Proj00022-3UG-UGAS			1.97E-05	0.000152795	0	0
Proj00022-3UG-UGAS			1.97E-05	0.000152795	0	0
Proj00023-3UG-ALT1	1120.258011	4.46E-05	6.62E-05	0.003312488	0	588.3214649
Proj00023-3UG-ALT1	1120.258011	4.46E-05	6.62E-05	0.003312488	0	588.3214649
Proj00023-3UG-ALT1	1120.258011	4.46E-05	6.62E-05	0.003312488	0	588.3214649
Proj00023-3UG-PAS	1120.258011	4.46E-05	6.62E-05	0.003312488	0	3.974811083
Proj00023-3UG-PAS	1120.258011	4.46E-05	6.62E-05	0.003312488	0	3.974811083
Proj00023-3UG-PAS	1120.258011	4.46E-05	6.62E-05	0.003312488	0	3.974811083
Proj00023-3UG-UGAS	1114.376323	4.46E-05	6.62E-05	0.003312488	0	0
Proj00023-3UG-UGAS	1114.376323	4.46E-05	6.62E-05	0.003312488	0	0
Proj00023-3UG-UGAS	1114.376323	4.46E-05	6.62E-05	0.003312488	0	0
Proj00024-3UG-ALT1	372.1575865	5.54E-06	6.04E-07	0.000204173	0	352.2835748
Proj00024-3UG-ALT1	372.1575865	5.54E-06	6.04E-07	0.000204173	0	352.2835748
Proj00024-3UG-ALT1	372.1575865	5.54E-06	6.04E-07	0.000204173	0	352.2835748
Proj00024-3UG-PAS	372.1575865	5.54E-06	6.04E-07	0.000204173	0	0.048947465
Proj00024-3UG-PAS	372.1575865	5.54E-06	6.04E-07	0.000204173	0	0.048947465
Proj00024-3UG-PAS	372.1575865	5.54E-06	6.04E-07	0.000204173	0	0.048947465
Proj00024-3UG-UGAS	372.0792355	5.54E-06	6.04E-07	0.000204173	0	0
Proj00024-3UG-UGAS	372.0792355	5.54E-06	6.04E-07	0.000204173	0	0
Proj00024-3UG-UGAS	372.0792355	5.54E-06	6.04E-07	0.000204173	0	0
Proj00025-3UG-ALT1	48.44933764		2.57E-05	0.000269206	0	23.26791811
Proj00025-3UG-ALT1	48.44933764		2.57E-05	0.000269206	0	23.26791811
Proj00025-3UG-ALT1	48.44933764		2.57E-05	0.000269206	0	23.26791811
Proj00025-3UG-PAS	48.44933764		2.57E-05	0.000269206	0	0.02353085
Proj00025-3UG-PAS	48.44933764		2.57E-05	0.000269206	0	0.02353085
Proj00025-3UG-PAS	48.44933764		2.57E-05	0.000269206	0	0.02353085
Proj00025-3UG-UGAS			2.57E-05	0.000269206	0	0
Proj00025-3UG-UGAS			2.57E-05	0.000269206	0	0
Proj00025-3UG-UGAS			2.57E-05	0.000269206	0	0
Proj00026-3UG-ALT1	280.2253992		6.27E-06	6.89E-05	0	134.5902457
Proj00026-3UG-ALT1	280.2253992		6.27E-06	6.89E-05	0	134.5902457
Proj00026-3UG-ALT1	280.2253992		6.27E-06	6.89E-05	0	134.5902457
Proj00026-3UG-PAS	280.2253992		6.27E-06	6.89E-05	0	0.157796201
Proj00026-3UG-PAS	280.2253992		6.27E-06	6.89E-05	0	0.157796201
Proj00026-3UG-PAS	280.2253992		6.27E-06	6.89E-05	0	0.157796201
Proj00026-3UG-UGAS			6.27E-06	6.89E-05	0	0
Proj00026-3UG-UGAS			6.27E-06	6.89E-05	0	0
Proj00026-3UG-UGAS			6.27E-06	6.89E-05	0	0
Proj00027-3UG-ALT1	11091.54147	1.88E-05	2.22E-07	0.000247624	0	9000.086673
Proj00027-3UG-ALT1	11091.54147	1.88E-05	2.22E-07	0.000247624	0	9000.086673
Proj00027-3UG-ALT1	11091.54147	1.88E-05	2.22E-07	0.000247624	0	9000.086673
Proj00027-3UG-PAS	11091.54147	1.88E-05	2.22E-07	0.000247624	0	6.3072719
Proj00027-3UG-PAS	11091.54147	1.88E-05	2.22E-07	0.000247624	0	6.3072719
Proj00027-3UG-PAS	11091.54147	1.88E-05	2.22E-07	0.000247624	0	6.3072719
Proj00027-3UG-UGAS	11091.01463	1.88E-05	2.22E-07	0.000247624	0	0
Proj00027-3UG-UGAS	11091.01463	1.88E-05	2.22E-07	0.000247624	0	0
Proj00027-3UG-UGAS	11091.01463	1.88E-05	2.22E-07	0.000247624	0	0
Proj00028-3UG-ALT1	8270.245107	1.59E-05	2.39E-06	0.000289132	0	8007.932721
Proj00028-3UG-ALT1	8270.245107	1.59E-05	2.39E-06	0.000289132	0	8007.932721
Proj00028-3UG-ALT1	8270.245107	1.59E-05	2.39E-06	0.000289132	0	8007.932721
Proj00028-3UG-PAS	8270.245107	1.59E-05	2.39E-06	0.000289132	0	1115.203811
Proj00028-3UG-PAS	8270.245107	1.59E-05	2.39E-06	0.000289132	0	1115.203811
Proj00028-3UG-PAS	8270.245107	1.59E-05	2.39E-06	0.000289132	0	1115.203811
Proj00028-3UG-UGAS	7141.72616	1.59E-05	2.39E-06	0.000289132	0	0
Proj00028-3UG-UGAS	7141.72616	1.59E-05	2.39E-06	0.000289132	0	0
Proj00028-3UG-UGAS	7141.72616	1.59E-05	2.39E-06	0.000289132	0	0

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rru_id	outage_program_post_mitigated_safety_consequences	outage_program_post_mitigated_residential_reliability_consequences	outage_program_post_mitigated_non_residential_reliability_consequences	outage_program_post_mitigated_financial_consequences	pre_mitigated_ignition_risk	post_mitigated_ignition_risk
Proj00001-3UG-ALT1	2.78E-05	1.47E-05	0.001007015	0	0.144927872	0.07949449
Proj00001-3UG-ALT1	2.78E-05	1.47E-05	0.001007015	0	0.144927872	0.07949449
Proj00001-3UG-ALT1	2.78E-05	1.47E-05	0.001007015	0	0.144927872	0.07949449
Proj00001-3UG-PAS	2.78E-05	1.47E-05	0.001007015	0	0.144927872	0.009171117
Proj00001-3UG-PAS	2.78E-05	1.47E-05	0.001007015	0	0.144927872	0.009171117
Proj00001-3UG-PAS	2.78E-05	1.47E-05	0.001007015	0	0.144927872	0.009171117
Proj00001-3UG-UGAS	2.78E-05	1.47E-05	0.001007015	0	0.144927872	0.009326119
Proj00001-3UG-UGAS	2.78E-05	1.47E-05	0.001007015	0	0.144927872	0.009326119
Proj00001-3UG-UGAS	2.78E-05	1.47E-05	0.001007015	0	0.144927872	0.009326119
Proj00002-3UG-ALT1		0.000257369	0.005267008	0	0.084876472	0.065020611
Proj00002-3UG-ALT1		0.000257369	0.005267008	0	0.084876472	0.065020611
Proj00002-3UG-ALT1		0.000257369	0.005267008	0	0.084876472	0.065020611
Proj00002-3UG-PAS		0.000257369	0.005267008	0	0.084876472	0.042233475
Proj00002-3UG-PAS		0.000257369	0.005267008	0	0.084876472	0.042233475
Proj00002-3UG-PAS		0.000257369	0.005267008	0	0.084876472	0.042233475
Proj00002-3UG-UGAS		0.000257369	0.005267008	0	0.047846557	0.005224375
Proj00002-3UG-UGAS		0.000257369	0.005267008	0	0.047846557	0.005224375
Proj00002-3UG-UGAS		0.000257369	0.005267008	0	0.047846557	0.005224375
Proj00003-3UG-ALT1	3.94E-05	2.85E-05	0.001252914	0	0.227406399	0.137304843
Proj00003-3UG-ALT1	3.94E-05	2.85E-05	0.001252914	0	0.227406399	0.137304843
Proj00003-3UG-ALT1	3.94E-05	2.85E-05	0.001252914	0	0.227406399	0.137304843
Proj00003-3UG-PAS	3.94E-05	2.85E-05	0.001252914	0	0.227406399	0.035240688
Proj00003-3UG-PAS	3.94E-05	2.85E-05	0.001252914	0	0.227406399	0.035240688
Proj00003-3UG-PAS	3.94E-05	2.85E-05	0.001252914	0	0.227406399	0.035240688
Proj00003-3UG-UGAS	3.94E-05	2.85E-05	0.001252914	0	0.211014422	0.01905642
Proj00003-3UG-UGAS	3.94E-05	2.85E-05	0.001252914	0	0.211014422	0.01905642
Proj00003-3UG-UGAS	3.94E-05	2.85E-05	0.001252914	0	0.211014422	0.01905642
Proj00004-3UG-ALT1	3.41E-05	4.48E-06	0.000119058	0	0.039826272	0.023989536
Proj00004-3UG-ALT1	3.41E-05	4.48E-06	0.000119058	0	0.039826272	0.023989536
Proj00004-3UG-ALT1	3.41E-05	4.48E-06	0.000119058	0	0.039826272	0.023989536
Proj00004-3UG-PAS	3.41E-05	4.48E-06	0.000119058	0	0.039826272	0.002453746
Proj00004-3UG-PAS	3.41E-05	4.48E-06	0.000119058	0	0.039826272	0.002453746
Proj00004-3UG-PAS	3.41E-05	4.48E-06	0.000119058	0	0.039826272	0.002453746
Proj00004-3UG-UGAS	3.41E-05	4.48E-06	0.000119058	0	0.039826272	0.002229891
Proj00004-3UG-UGAS	3.41E-05	4.48E-06	0.000119058	0	0.039826272	0.002229891
Proj00004-3UG-UGAS	3.41E-05	4.48E-06	0.000119058	0	0.039826272	0.002229891
Proj00005-3UG-ALT1	8.35E-06	1.85E-06	0.000303419	0	0.118826243	0.072400351
Proj00005-3UG-ALT1	8.35E-06	1.85E-06	0.000303419	0	0.118826243	0.072400351
Proj00005-3UG-ALT1	8.35E-06	1.85E-06	0.000303419	0	0.118826243	0.072400351
Proj00005-3UG-PAS	8.35E-06	1.85E-06	0.000303419	0	0.118826243	0.008081014
Proj00005-3UG-PAS	8.35E-06	1.85E-06	0.000303419	0	0.118826243	0.008081014
Proj00005-3UG-PAS	8.35E-06	1.85E-06	0.000303419	0	0.118826243	0.008081014
Proj00005-3UG-UGAS	8.35E-06	1.85E-06	0.000303419	0	0.118826243	0.008178753
Proj00005-3UG-UGAS	8.35E-06	1.85E-06	0.000303419	0	0.118826243	0.008178753
Proj00005-3UG-UGAS	8.35E-06	1.85E-06	0.000303419	0	0.118826243	0.008178753
Proj00006-3UG-ALT1	2.50E-05	1.29E-05	0.000813814	0	0.089932028	0.051202071
Proj00006-3UG-ALT1	2.50E-05	1.29E-05	0.000813814	0	0.089932028	0.051202071
Proj00006-3UG-ALT1	2.50E-05	1.29E-05	0.000813814	0	0.089932028	0.051202071
Proj00006-3UG-PAS	2.50E-05	1.29E-05	0.000813814	0	0.089932028	0.025986291
Proj00006-3UG-PAS	2.50E-05	1.29E-05	0.000813814	0	0.089932028	0.025986291
Proj00006-3UG-PAS	2.50E-05	1.29E-05	0.000813814	0	0.089932028	0.025986291
Proj00006-3UG-UGAS	2.50E-05	1.29E-05	0.000813814	0	0.037917083	0.003420049
Proj00006-3UG-UGAS	2.50E-05	1.29E-05	0.000813814	0	0.037917083	0.003420049
Proj00006-3UG-UGAS	2.50E-05	1.29E-05	0.000813814	0	0.037917083	0.003420049
Proj00007-3UG-ALT1	1.25E-05	8.49E-07	0.000465494	0	0.623535001	0.343726733
Proj00007-3UG-ALT1	1.25E-05	8.49E-07	0.000465494	0	0.623535001	0.343726733
Proj00007-3UG-ALT1	1.25E-05	8.49E-07	0.000465494	0	0.623535001	0.343726733
Proj00007-3UG-PAS	1.25E-05	8.49E-07	0.000465494	0	0.623535001	0.299977996
Proj00007-3UG-PAS	1.25E-05	8.49E-07	0.000465494	0	0.623535001	0.299977996
Proj00007-3UG-PAS	1.25E-05	8.49E-07	0.000465494	0	0.623535001	0.299977996
Proj00007-3UG-UGAS	1.25E-05	8.49E-07	0.000465494	0	0.088338821	0.004953064
Proj00007-3UG-UGAS	1.25E-05	8.49E-07	0.000465494	0	0.088338821	0.004953064
Proj00007-3UG-UGAS	1.25E-05	8.49E-07	0.000465494	0	0.088338821	0.004953064
Proj00008-3UG-ALT1	1.90E-05	3.28E-07	0.000698799	0	1.736828409	1.018356045
Proj00008-3UG-ALT1	1.90E-05	3.28E-07	0.000698799	0	1.736828409	1.018356045
Proj00008-3UG-ALT1	1.90E-05	3.28E-07	0.000698799	0	1.736828409	1.018356045
Proj00008-3UG-PAS	1.90E-05	3.28E-07	0.000698799	0	1.736828409	0.671386733
Proj00008-3UG-PAS	1.90E-05	3.28E-07	0.000698799	0	1.736828409	0.671386733
Proj00008-3UG-PAS	1.90E-05	3.28E-07	0.000698799	0	1.736828409	0.671386733
Proj00008-3UG-UGAS	1.90E-05	3.28E-07	0.000698799	0	0.718404599	0.05153747
Proj00008-3UG-UGAS	1.90E-05	3.28E-07	0.000698799	0	0.718404599	0.05153747
Proj00008-3UG-UGAS	1.90E-05	3.28E-07	0.000698799	0	0.718404599	0.05153747
Proj00009-3UG-ALT1	2.06E-05	2.78E-05	0.000788946	0	0.280658615	0.157776414
Proj00009-3UG-ALT1	2.06E-05	2.78E-05	0.000788946	0	0.280658615	0.157776414
Proj00009-3UG-ALT1	2.06E-05	2.78E-05	0.000788946	0	0.280658615	0.157776414
Proj00009-3UG-PAS	2.06E-05	2.78E-05	0.000788946	0	0.280658615	0.027429741
Proj00009-3UG-PAS	2.06E-05	2.78E-05	0.000788946	0	0.280658615	0.027429741
Proj00009-3UG-PAS	2.06E-05	2.78E-05	0.000788946	0	0.280658615	0.027429741
Proj00009-3UG-UGAS	2.06E-05	2.78E-05	0.000788946	0	0.259904467	0.017250832
Proj00009-3UG-UGAS	2.06E-05	2.78E-05	0.000788946	0	0.259904467	0.017250832
Proj00009-3UG-UGAS	2.06E-05	2.78E-05	0.000788946	0	0.259904467	0.017250832

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rru_id	outage_program_post_mitigated_safety_consequences	outage_program_post_mitigated_residential_reliability_consequences	outage_program_post_mitigated_non_residential_reliability_consequences	outage_program_post_mitigated_financial_consequences	pre_mitigated_ignition_risk	post_mitigated_ignition_risk
Proj00010-3UG-ALT1		5.87E-05	0.001403083	0	0.203216569	0.117163704
Proj00010-3UG-ALT1		5.87E-05	0.001403083	0	0.203216569	0.117163704
Proj00010-3UG-ALT1		5.87E-05	0.001403083	0	0.203216569	0.117163704
Proj00010-3UG-PAS		5.87E-05	0.001403083	0	0.203216569	0.029656813
Proj00010-3UG-PAS		5.87E-05	0.001403083	0	0.203216569	0.029656813
Proj00010-3UG-PAS		5.87E-05	0.001403083	0	0.203216569	0.029656813
Proj00010-3UG-UGAS		5.87E-05	0.001403083	0	0.173168683	0.012444461
Proj00010-3UG-UGAS		5.87E-05	0.001403083	0	0.173168683	0.012444461
Proj00010-3UG-UGAS		5.87E-05	0.001403083	0	0.173168683	0.012444461
Proj00011-3UG-ALT1	5.23E-05	2.92E-05	0.001777666	0	0.208897726	0.163188919
Proj00011-3UG-ALT1	5.23E-05	2.92E-05	0.001777666	0	0.208897726	0.163188919
Proj00011-3UG-ALT1	5.23E-05	2.92E-05	0.001777666	0	0.208897726	0.163188919
Proj00011-3UG-PAS	5.23E-05	2.92E-05	0.001777666	0	0.208897726	0.110958506
Proj00011-3UG-PAS	5.23E-05	2.92E-05	0.001777666	0	0.208897726	0.110958506
Proj00011-3UG-PAS	5.23E-05	2.92E-05	0.001777666	0	0.208897726	0.110958506
Proj00011-3UG-UGAS	5.23E-05	2.92E-05	0.001777666	0	0.107479894	0.009612997
Proj00011-3UG-UGAS	5.23E-05	2.92E-05	0.001777666	0	0.107479894	0.009612997
Proj00011-3UG-UGAS	5.23E-05	2.92E-05	0.001777666	0	0.107479894	0.009612997
Proj00012-3UG-ALT1	1.48E-05	7.66E-06	0.000447944	0	0.204327555	0.123636012
Proj00012-3UG-ALT1	1.48E-05	7.66E-06	0.000447944	0	0.204327555	0.123636012
Proj00012-3UG-ALT1	1.48E-05	7.66E-06	0.000447944	0	0.204327555	0.123636012
Proj00012-3UG-PAS	1.48E-05	7.66E-06	0.000447944	0	0.204327555	0.0470364
Proj00012-3UG-PAS	1.48E-05	7.66E-06	0.000447944	0	0.204327555	0.0470364
Proj00012-3UG-PAS	1.48E-05	7.66E-06	0.000447944	0	0.204327555	0.0470364
Proj00012-3UG-UGAS	1.48E-05	7.66E-06	0.000447944	0	0.147304355	0.012615427
Proj00012-3UG-UGAS	1.48E-05	7.66E-06	0.000447944	0	0.147304355	0.012615427
Proj00012-3UG-UGAS	1.48E-05	7.66E-06	0.000447944	0	0.147304355	0.012615427
Proj00013-3UG-ALT1	3.55E-05	4.87E-05	0.001502186	0	0.211213037	0.126896184
Proj00013-3UG-ALT1	3.55E-05	4.87E-05	0.001502186	0	0.211213037	0.126896184
Proj00013-3UG-ALT1	3.55E-05	4.87E-05	0.001502186	0	0.211213037	0.126896184
Proj00013-3UG-PAS	3.55E-05	4.87E-05	0.001502186	0	0.211213037	0.014596963
Proj00013-3UG-PAS	3.55E-05	4.87E-05	0.001502186	0	0.211213037	0.014596963
Proj00013-3UG-PAS	3.55E-05	4.87E-05	0.001502186	0	0.211213037	0.014596963
Proj00013-3UG-UGAS	3.55E-05	4.87E-05	0.001502186	0	0.211213037	0.014648065
Proj00013-3UG-UGAS	3.55E-05	4.87E-05	0.001502186	0	0.211213037	0.014648065
Proj00013-3UG-UGAS	3.55E-05	4.87E-05	0.001502186	0	0.211213037	0.014648065
Proj00014-3UG-ALT1		0.00024625	0.00427329	0	0.093214105	0.052742571
Proj00014-3UG-ALT1		0.00024625	0.00427329	0	0.093214105	0.052742571
Proj00014-3UG-ALT1		0.00024625	0.00427329	0	0.093214105	0.052742571
Proj00014-3UG-PAS		0.00024625	0.00427329	0	0.093214105	0.006256638
Proj00014-3UG-PAS		0.00024625	0.00427329	0	0.093214105	0.006256638
Proj00014-3UG-PAS		0.00024625	0.00427329	0	0.093214105	0.006256638
Proj00014-3UG-UGAS		0.00024625	0.00427329	0	0.093214105	0.006287385
Proj00014-3UG-UGAS		0.00024625	0.00427329	0	0.093214105	0.006287385
Proj00014-3UG-UGAS		0.00024625	0.00427329	0	0.093214105	0.006287385
Proj00015-3UG-ALT1	3.19E-05	1.52E-05	0.000825703	0	2.075247385	1.199333261
Proj00015-3UG-ALT1	3.19E-05	1.52E-05	0.000825703	0	2.075247385	1.199333261
Proj00015-3UG-ALT1	3.19E-05	1.52E-05	0.000825703	0	2.075247385	1.199333261
Proj00015-3UG-PAS	3.19E-05	1.52E-05	0.000825703	0	2.075247385	0.304292313
Proj00015-3UG-PAS	3.19E-05	1.52E-05	0.000825703	0	2.075247385	0.304292313
Proj00015-3UG-PAS	3.19E-05	1.52E-05	0.000825703	0	2.075247385	0.304292313
Proj00015-3UG-UGAS	3.19E-05	1.52E-05	0.000825703	0	1.692655536	0.108183536
Proj00015-3UG-UGAS	3.19E-05	1.52E-05	0.000825703	0	1.692655536	0.108183536
Proj00015-3UG-UGAS	3.19E-05	1.52E-05	0.000825703	0	1.692655536	0.108183536
Proj00016-3UG-ALT1		2.02E-05	0.000305602	0	2.025751737	1.13969475
Proj00016-3UG-ALT1		2.02E-05	0.000305602	0	2.025751737	1.13969475
Proj00016-3UG-ALT1		2.02E-05	0.000305602	0	2.025751737	1.13969475
Proj00016-3UG-PAS		2.02E-05	0.000305602	0	2.025751737	1.085215427
Proj00016-3UG-PAS		2.02E-05	0.000305602	0	2.025751737	1.085215427
Proj00016-3UG-PAS		2.02E-05	0.000305602	0	2.025751737	1.085215427
Proj00016-3UG-UGAS		2.02E-05	0.000305602	0	0.110369499	0.007566197
Proj00016-3UG-UGAS		2.02E-05	0.000305602	0	0.110369499	0.007566197
Proj00016-3UG-UGAS		2.02E-05	0.000305602	0	0.110369499	0.007566197
Proj00017-3UG-ALT1	4.54E-05	0.000107815	0.002724139	0	0.208640272	0.111373399
Proj00017-3UG-ALT1	4.54E-05	0.000107815	0.002724139	0	0.208640272	0.111373399
Proj00017-3UG-ALT1	4.54E-05	0.000107815	0.002724139	0	0.208640272	0.111373399
Proj00017-3UG-PAS	4.54E-05	0.000107815	0.002724139	0	0.208640272	0.072080016
Proj00017-3UG-PAS	4.54E-05	0.000107815	0.002724139	0	0.208640272	0.072080016
Proj00017-3UG-PAS	4.54E-05	0.000107815	0.002724139	0	0.208640272	0.072080016
Proj00017-3UG-UGAS	4.54E-05	0.000107815	0.002724139	0	0.084293985	0.005773976
Proj00017-3UG-UGAS	4.54E-05	0.000107815	0.002724139	0	0.084293985	0.005773976
Proj00017-3UG-UGAS	4.54E-05	0.000107815	0.002724139	0	0.084293985	0.005773976
Proj00018-3UG-ALT1	5.43E-05	1.25E-05	0.001709971	0	0.051234418	0.030963611
Proj00018-3UG-ALT1	5.43E-05	1.25E-05	0.001709971	0	0.051234418	0.030963611
Proj00018-3UG-ALT1	5.43E-05	1.25E-05	0.001709971	0	0.051234418	0.030963611
Proj00018-3UG-PAS	5.43E-05	1.25E-05	0.001709971	0	0.051234418	0.00835241
Proj00018-3UG-PAS	5.43E-05	1.25E-05	0.001709971	0	0.051234418	0.00835241
Proj00018-3UG-PAS	5.43E-05	1.25E-05	0.001709971	0	0.051234418	0.00835241
Proj00018-3UG-UGAS	5.43E-05	1.25E-05	0.001709971	0	0.04569341	0.00286471
Proj00018-3UG-UGAS	5.43E-05	1.25E-05	0.001709971	0	0.04569341	0.00286471
Proj00018-3UG-UGAS	5.43E-05	1.25E-05	0.001709971	0	0.04569341	0.00286471
Proj00019-3UG-ALT1	4.95E-05	9.96E-05	0.001798369	0	0.336378677	0.182171776

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rru_id	outage_program_post_mitigated_safety_consequences	outage_program_post_mitigated_residential_reliability_consequences	outage_program_post_mitigated_non_residential_reliability_consequences	outage_program_post_mitigated_financial_consequences	pre_mitigated_ignition_risk	post_mitigated_ignition_risk
Proj00019-3UG-ALT1	4.95E-05	9.96E-05	0.001798369	0	0.336378677	0.182171776
Proj00019-3UG-ALT1	4.95E-05	9.96E-05	0.001798369	0	0.336378677	0.182171776
Proj00019-3UG-PAS	4.95E-05	9.96E-05	0.001798369	0	0.336378677	0.02114283
Proj00019-3UG-PAS	4.95E-05	9.96E-05	0.001798369	0	0.336378677	0.02114283
Proj00019-3UG-PAS	4.95E-05	9.96E-05	0.001798369	0	0.336378677	0.02114283
Proj00019-3UG-UGAS	4.95E-05	9.96E-05	0.001798369	0	0.336378677	0.021314875
Proj00019-3UG-UGAS	4.95E-05	9.96E-05	0.001798369	0	0.336378677	0.021314875
Proj00019-3UG-UGAS	4.95E-05	9.96E-05	0.001798369	0	0.336378677	0.021314875
Proj00020-3UG-ALT1		9.01E-05	0.000146689	0	0.160149556	0.099558969
Proj00020-3UG-ALT1		9.01E-05	0.000146689	0	0.160149556	0.099558969
Proj00020-3UG-ALT1		9.01E-05	0.000146689	0	0.160149556	0.099558969
Proj00020-3UG-PAS		9.01E-05	0.000146689	0	0.160149556	0.009567803
Proj00020-3UG-PAS		9.01E-05	0.000146689	0	0.160149556	0.009567803
Proj00020-3UG-PAS		9.01E-05	0.000146689	0	0.160149556	0.009567803
Proj00020-3UG-UGAS		9.01E-05	0.000146689	0	0.160149556	0.009727057
Proj00020-3UG-UGAS		9.01E-05	0.000146689	0	0.160149556	0.009727057
Proj00020-3UG-UGAS		9.01E-05	0.000146689	0	0.160149556	0.009727057
Proj00021-3UG-ALT1	8.97E-06	1.54E-05	0.000353526	0	1.702365495	0.963650739
Proj00021-3UG-ALT1	8.97E-06	1.54E-05	0.000353526	0	1.702365495	0.963650739
Proj00021-3UG-ALT1	8.97E-06	1.54E-05	0.000353526	0	1.702365495	0.963650739
Proj00021-3UG-PAS	8.97E-06	1.54E-05	0.000353526	0	1.702365495	0.122053366
Proj00021-3UG-PAS	8.97E-06	1.54E-05	0.000353526	0	1.702365495	0.122053366
Proj00021-3UG-PAS	8.97E-06	1.54E-05	0.000353526	0	1.702365495	0.122053366
Proj00021-3UG-UGAS	8.97E-06	1.54E-05	0.000353526	0	1.702365495	0.123580611
Proj00021-3UG-UGAS	8.97E-06	1.54E-05	0.000353526	0	1.702365495	0.123580611
Proj00021-3UG-UGAS	8.97E-06	1.54E-05	0.000353526	0	1.702365495	0.123580611
Proj00022-3UG-ALT1		1.97E-05	0.000152795	0	0.243666742	0.141934999
Proj00022-3UG-ALT1		1.97E-05	0.000152795	0	0.243666742	0.141934999
Proj00022-3UG-ALT1		1.97E-05	0.000152795	0	0.243666742	0.141934999
Proj00022-3UG-PAS		1.97E-05	0.000152795	0	0.243666742	0.12790985
Proj00022-3UG-PAS		1.97E-05	0.000152795	0	0.243666742	0.12790985
Proj00022-3UG-PAS		1.97E-05	0.000152795	0	0.243666742	0.12790985
Proj00022-3UG-UGAS		1.97E-05	0.000152795	0	0.028294097	0.002476653
Proj00022-3UG-UGAS		1.97E-05	0.000152795	0	0.028294097	0.002476653
Proj00022-3UG-UGAS		1.97E-05	0.000152795	0	0.028294097	0.002476653
Proj00023-3UG-ALT1	4.46E-05	6.62E-05	0.003312488	0	2.202234688	1.320360898
Proj00023-3UG-ALT1	4.46E-05	6.62E-05	0.003312488	0	2.202234688	1.320360898
Proj00023-3UG-ALT1	4.46E-05	6.62E-05	0.003312488	0	2.202234688	1.320360898
Proj00023-3UG-PAS	4.46E-05	6.62E-05	0.003312488	0	2.202234688	0.166522442
Proj00023-3UG-PAS	4.46E-05	6.62E-05	0.003312488	0	2.202234688	0.166522442
Proj00023-3UG-PAS	4.46E-05	6.62E-05	0.003312488	0	2.202234688	0.166522442
Proj00023-3UG-UGAS	4.46E-05	6.62E-05	0.003312488	0	2.184719495	0.15798849
Proj00023-3UG-UGAS	4.46E-05	6.62E-05	0.003312488	0	2.184719495	0.15798849
Proj00023-3UG-UGAS	4.46E-05	6.62E-05	0.003312488	0	2.184719495	0.15798849
Proj00024-3UG-ALT1	5.54E-06	6.04E-07	0.000204173	0	0.029628248	0.017685399
Proj00024-3UG-ALT1	5.54E-06	6.04E-07	0.000204173	0	0.029628248	0.017685399
Proj00024-3UG-ALT1	5.54E-06	6.04E-07	0.000204173	0	0.029628248	0.017685399
Proj00024-3UG-PAS	5.54E-06	6.04E-07	0.000204173	0	0.029628248	0.001867247
Proj00024-3UG-PAS	5.54E-06	6.04E-07	0.000204173	0	0.029628248	0.001867247
Proj00024-3UG-PAS	5.54E-06	6.04E-07	0.000204173	0	0.029628248	0.001867247
Proj00024-3UG-UGAS	5.54E-06	6.04E-07	0.000204173	0	0.029628248	0.001858524
Proj00024-3UG-UGAS	5.54E-06	6.04E-07	0.000204173	0	0.029628248	0.001858524
Proj00024-3UG-UGAS	5.54E-06	6.04E-07	0.000204173	0	0.029628248	0.001858524
Proj00025-3UG-ALT1		2.57E-05	0.000269206	0	0.276679714	0.149099622
Proj00025-3UG-ALT1		2.57E-05	0.000269206	0	0.276679714	0.149099622
Proj00025-3UG-ALT1		2.57E-05	0.000269206	0	0.276679714	0.149099622
Proj00025-3UG-PAS		2.57E-05	0.000269206	0	0.276679714	0.017734386
Proj00025-3UG-PAS		2.57E-05	0.000269206	0	0.276679714	0.017734386
Proj00025-3UG-PAS		2.57E-05	0.000269206	0	0.276679714	0.017734386
Proj00025-3UG-UGAS		2.57E-05	0.000269206	0	0.276679714	0.017872121
Proj00025-3UG-UGAS		2.57E-05	0.000269206	0	0.276679714	0.017872121
Proj00025-3UG-UGAS		2.57E-05	0.000269206	0	0.276679714	0.017872121
Proj00026-3UG-ALT1		6.27E-06	6.89E-05	0	0.113085647	0.070850979
Proj00026-3UG-ALT1		6.27E-06	6.89E-05	0	0.113085647	0.070850979
Proj00026-3UG-ALT1		6.27E-06	6.89E-05	0	0.113085647	0.070850979
Proj00026-3UG-PAS		6.27E-06	6.89E-05	0	0.113085647	0.006424306
Proj00026-3UG-PAS		6.27E-06	6.89E-05	0	0.113085647	0.006424306
Proj00026-3UG-PAS		6.27E-06	6.89E-05	0	0.113085647	0.006424306
Proj00026-3UG-UGAS		6.27E-06	6.89E-05	0	0.113085647	0.006472724
Proj00026-3UG-UGAS		6.27E-06	6.89E-05	0	0.113085647	0.006472724
Proj00026-3UG-UGAS		6.27E-06	6.89E-05	0	0.113085647	0.006472724
Proj00027-3UG-ALT1	1.88E-05	2.22E-07	0.000247624	0	0.337261317	0.188254327
Proj00027-3UG-ALT1	1.88E-05	2.22E-07	0.000247624	0	0.337261317	0.188254327
Proj00027-3UG-ALT1	1.88E-05	2.22E-07	0.000247624	0	0.337261317	0.188254327
Proj00027-3UG-PAS	1.88E-05	2.22E-07	0.000247624	0	0.337261317	0.020995424
Proj00027-3UG-PAS	1.88E-05	2.22E-07	0.000247624	0	0.337261317	0.020995424
Proj00027-3UG-PAS	1.88E-05	2.22E-07	0.000247624	0	0.337261317	0.020995424
Proj00027-3UG-UGAS	1.88E-05	2.22E-07	0.000247624	0	0.337261317	0.020799772
Proj00027-3UG-UGAS	1.88E-05	2.22E-07	0.000247624	0	0.337261317	0.020799772
Proj00027-3UG-UGAS	1.88E-05	2.22E-07	0.000247624	0	0.337261317	0.020799772
Proj00028-3UG-ALT1	1.59E-05	2.39E-06	0.000289132	0	0.133159541	0.092341386
Proj00028-3UG-ALT1	1.59E-05	2.39E-06	0.000289132	0	0.133159541	0.092341386
Proj00028-3UG-ALT1	1.59E-05	2.39E-06	0.000289132	0	0.133159541	0.092341386
Proj00028-3UG-PAS	1.59E-05	2.39E-06	0.000289132	0	0.133159541	0.028220803
Proj00028-3UG-PAS	1.59E-05	2.39E-06	0.000289132	0	0.133159541	0.028220803
Proj00028-3UG-PAS	1.59E-05	2.39E-06	0.000289132	0	0.133159541	0.028220803
Proj00028-3UG-UGAS	1.59E-05	2.39E-06	0.000289132	0	0.105736009	0.007821956
Proj00028-3UG-UGAS	1.59E-05	2.39E-06	0.000289132	0	0.105736009	0.007821956
Proj00028-3UG-UGAS	1.59E-05	2.39E-06	0.000289132	0	0.105736009	0.007821956

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rru_id	pre_mitigated_outage_program_risk	post_mitigated_outage_program_risk	pre_mitigated_overall_utility_risk	post_mitigated_overall_utility_risk	discount_rate_scenario	ignition_risk_mitigation_benefit	outage_program_risk_mitigation_benefit	total_om_costs_nbb
Proj00001-3UG-ALT1	3.484985707	3.328166645	3.629913579	3.407661135	Hybrid Discount Rate Scenario	0.065433382	0.156819062	1.189380319
Proj00001-3UG-ALT1	3.484985707	3.328166645	3.629913579	3.407661135	Societal Discount Rate Scenario	0.065433382	0.156819062	1.189380319
Proj00001-3UG-ALT1	3.484985707	3.328166645	3.629913579	3.407661135	WACC Discount Rate Scenario	0.065433382	0.156819062	1.189380319
Proj00001-3UG-PAS	3.484985707	0	3.629913579	0.009171117	Hybrid Discount Rate Scenario	0.135756755	3.484985707	1.189380319
Proj00001-3UG-PAS	3.484985707	0	3.629913579	0.009171117	Societal Discount Rate Scenario	0.135756755	3.484985707	1.189380319
Proj00001-3UG-PAS	3.484985707	0	3.629913579	0.009171117	WACC Discount Rate Scenario	0.135756755	3.484985707	1.189380319
Proj00001-3UG-UGAS	3.385086748	0	3.530014619	0.009326119	Hybrid Discount Rate Scenario	0.135601753	3.385086748	1.189380319
Proj00001-3UG-UGAS	3.385086748	0	3.530014619	0.009326119	Societal Discount Rate Scenario	0.135601753	3.385086748	1.189380319
Proj00001-3UG-UGAS	3.385086748	0	3.530014619	0.009326119	WACC Discount Rate Scenario	0.135601753	3.385086748	1.189380319
Proj00002-3UG-ALT1	1.792060839	1.267009789	1.876937311	1.3320304	Hybrid Discount Rate Scenario	0.019855861	0.52505105	0.538855935
Proj00002-3UG-ALT1	1.792060839	1.267009789	1.876937311	1.3320304	Societal Discount Rate Scenario	0.019855861	0.52505105	0.538855935
Proj00002-3UG-ALT1	1.792060839	1.267009789	1.876937311	1.3320304	WACC Discount Rate Scenario	0.019855861	0.52505105	0.538855935
Proj00002-3UG-PAS	1.792060839	0.782347281	1.876937311	0.824580755	Hybrid Discount Rate Scenario	0.042642997	1.009713558	0.538855935
Proj00002-3UG-PAS	1.792060839	0.782347281	1.876937311	0.824580755	Societal Discount Rate Scenario	0.042642997	1.009713558	0.538855935
Proj00002-3UG-PAS	1.792060839	0.782347281	1.876937311	0.824580755	WACC Discount Rate Scenario	0.042642997	1.009713558	0.538855935
Proj00002-3UG-UGAS	1.009713558	0	1.057560116	0.005224375	Hybrid Discount Rate Scenario	0.042622183	1.009713558	0.538855935
Proj00002-3UG-UGAS	1.009713558	0	1.057560116	0.005224375	Societal Discount Rate Scenario	0.042622183	1.009713558	0.538855935
Proj00002-3UG-UGAS	1.009713558	0	1.057560116	0.005224375	WACC Discount Rate Scenario	0.042622183	1.009713558	0.538855935
Proj00003-3UG-ALT1	4.686161629	3.632133048	4.913568028	3.769437891	Hybrid Discount Rate Scenario	0.090101556	1.054028581	1.539063464
Proj00003-3UG-ALT1	4.686161629	3.632133048	4.913568028	3.769437891	Societal Discount Rate Scenario	0.090101556	1.054028581	1.539063464
Proj00003-3UG-ALT1	4.686161629	3.632133048	4.913568028	3.769437891	WACC Discount Rate Scenario	0.090101556	1.054028581	1.539063464
Proj00003-3UG-PAS	4.686161629	0.322254624	4.913568028	0.357495312	Hybrid Discount Rate Scenario	0.192165711	4.363907006	1.539063464
Proj00003-3UG-PAS	4.686161629	0.322254624	4.913568028	0.357495312	Societal Discount Rate Scenario	0.192165711	4.363907006	1.539063464
Proj00003-3UG-PAS	4.686161629	0.322254624	4.913568028	0.357495312	WACC Discount Rate Scenario	0.192165711	4.363907006	1.539063464
Proj00003-3UG-UGAS	4.363907006	0	4.574921428	0.01905642	Hybrid Discount Rate Scenario	0.191958002	4.363907006	1.539063464
Proj00003-3UG-UGAS	4.363907006	0	4.574921428	0.01905642	Societal Discount Rate Scenario	0.191958002	4.363907006	1.539063464
Proj00003-3UG-UGAS	4.363907006	0	4.574921428	0.01905642	WACC Discount Rate Scenario	0.191958002	4.363907006	1.539063464
Proj00004-3UG-ALT1	0.046249038	0.023169923	0.08607531	0.047159459	Hybrid Discount Rate Scenario	0.015836736	0.023079115	0.054302871
Proj00004-3UG-ALT1	0.046249038	0.023169923	0.08607531	0.047159459	Societal Discount Rate Scenario	0.015836736	0.023079115	0.054302871
Proj00004-3UG-ALT1	0.046249038	0.023169923	0.08607531	0.047159459	WACC Discount Rate Scenario	0.015836736	0.023079115	0.054302871
Proj00004-3UG-PAS	0.046249038	0.000295198	0.08607531	0.002748944	Hybrid Discount Rate Scenario	0.037372526	0.04595384	0.054302871
Proj00004-3UG-PAS	0.046249038	0.000295198	0.08607531	0.002748944	Societal Discount Rate Scenario	0.037372526	0.04595384	0.054302871
Proj00004-3UG-PAS	0.046249038	0.000295198	0.08607531	0.002748944	WACC Discount Rate Scenario	0.037372526	0.04595384	0.054302871
Proj00004-3UG-UGAS	0.04595384	0	0.085780112	0.002229891	Hybrid Discount Rate Scenario	0.037596381	0.04595384	0.054302871
Proj00004-3UG-UGAS	0.04595384	0	0.085780112	0.002229891	Societal Discount Rate Scenario	0.037596381	0.04595384	0.054302871
Proj00004-3UG-UGAS	0.04595384	0	0.085780112	0.002229891	WACC Discount Rate Scenario	0.037596381	0.04595384	0.054302871
Proj00005-3UG-ALT1	0.257345778	0.239725043	0.376172021	0.312125394	Hybrid Discount Rate Scenario	0.046425892	0.017620736	1.287588531
Proj00005-3UG-ALT1	0.257345778	0.239725043	0.376172021	0.312125394	Societal Discount Rate Scenario	0.046425892	0.017620736	1.287588531
Proj00005-3UG-ALT1	0.257345778	0.239725043	0.376172021	0.312125394	WACC Discount Rate Scenario	0.046425892	0.017620736	1.287588531
Proj00005-3UG-PAS	0.257345778	4.08E-05	0.376172021	0.008121796	Hybrid Discount Rate Scenario	0.110745229	0.257304996	1.287588531
Proj00005-3UG-PAS	0.257345778	4.08E-05	0.376172021	0.008121796	Societal Discount Rate Scenario	0.110745229	0.257304996	1.287588531
Proj00005-3UG-PAS	0.257345778	4.08E-05	0.376172021	0.008121796	WACC Discount Rate Scenario	0.110745229	0.257304996	1.287588531
Proj00005-3UG-UGAS	0.257304996	0	0.376131239	0.008178753	Hybrid Discount Rate Scenario	0.11064749	0.257304996	1.287588531
Proj00005-3UG-UGAS	0.257304996	0	0.376131239	0.008178753	Societal Discount Rate Scenario	0.11064749	0.257304996	1.287588531
Proj00005-3UG-UGAS	0.257304996	0	0.376131239	0.008178753	WACC Discount Rate Scenario	0.11064749	0.257304996	1.287588531
Proj00006-3UG-ALT1	1.15177317	0.80433225	1.241705198	0.855534321	Hybrid Discount Rate Scenario	0.038729957	0.34744092	0.142853329
Proj00006-3UG-ALT1	1.15177317	0.80433225	1.241705198	0.855534321	Societal Discount Rate Scenario	0.038729957	0.34744092	0.142853329
Proj00006-3UG-ALT1	1.15177317	0.80433225	1.241705198	0.855534321	WACC Discount Rate Scenario	0.038729957	0.34744092	0.142853329
Proj00006-3UG-PAS	1.15177317	0.327004221	1.241705198	0.352990512	Hybrid Discount Rate Scenario	0.063945737	0.824768949	0.142853329
Proj00006-3UG-PAS	1.15177317	0.327004221	1.241705198	0.352990512	Societal Discount Rate Scenario	0.063945737	0.824768949	0.142853329
Proj00006-3UG-PAS	1.15177317	0.327004221	1.241705198	0.352990512	WACC Discount Rate Scenario	0.063945737	0.824768949	0.142853329
Proj00006-3UG-UGAS	0.506611063	0	0.544528146	0.003420049	Hybrid Discount Rate Scenario	0.034497034	0.506611063	0.142853329
Proj00006-3UG-UGAS	0.506611063	0	0.544528146	0.003420049	Societal Discount Rate Scenario	0.034497034	0.506611063	0.142853329
Proj00006-3UG-UGAS	0.506611063	0	0.544528146	0.003420049	WACC Discount Rate Scenario	0.034497034	0.506611063	0.142853329
Proj00007-3UG-ALT1	0.522887856	0.499868151	1.146422857	0.843594884	Hybrid Discount Rate Scenario	0.279808268	0.023019705	0.57843645
Proj00007-3UG-ALT1	0.522887856	0.499868151	1.146422857	0.843594884	Societal Discount Rate Scenario	0.279808268	0.023019705	0.57843645
Proj00007-3UG-ALT1	0.522887856	0.499868151	1.146422857	0.843594884	WACC Discount Rate Scenario	0.279808268	0.023019705	0.57843645
Proj00007-3UG-PAS	0.522887856	0.444511649	1.146422857	0.744489645	Hybrid Discount Rate Scenario	0.323557005	0.078376207	0.57843645
Proj00007-3UG-PAS	0.522887856	0.444511649	1.146422857	0.744489645	Societal Discount Rate Scenario	0.323557005	0.078376207	0.57843645
Proj00007-3UG-PAS	0.522887856	0.444511649	1.146422857	0.744489645	WACC Discount Rate Scenario	0.323557005	0.078376207	0.57843645
Proj00007-3UG-UGAS	0.058611615	0	0.146950436	0.004953064	Hybrid Discount Rate Scenario	0.083385757	0.058611615	0.57843645
Proj00007-3UG-UGAS	0.058611615	0	0.146950436	0.004953064	Societal Discount Rate Scenario	0.083385757	0.058611615	0.57843645
Proj00007-3UG-UGAS	0.058611615	0	0.146950436	0.004953064	WACC Discount Rate Scenario	0.083385757	0.058611615	0.57843645
Proj00008-3UG-ALT1	2.662774219	2.560580925	4.399602627	3.57893697	Hybrid Discount Rate Scenario	0.718472363	0.102193294	0.94984221
Proj00008-3UG-ALT1	2.662774219	2.560580925	4.399602627	3.57893697	Societal Discount Rate Scenario	0.718472363	0.102193294	0.94984221
Proj00008-3UG-ALT1	2.662774219	2.560580925	4.399602627	3.57893697	WACC Discount Rate Scenario	0.718472363	0.102193294	0.94984221
Proj00008-3UG-PAS	2.662774219	1.12506962	4.399602627	1.796456354	Hybrid Discount Rate Scenario	1.065441675	1.537704599	0.94984221
Proj00008-3UG-PAS	2.662774219	1.12506962	4.399602627	1.796456354	Societal Discount Rate Scenario	1.065441675	1.537704599	0.94984221
Proj00008-3UG-PAS	2.662774219	1.12506962	4.399602627	1.796456354	WACC Discount Rate Scenario	1.065441675	1.537704599	0.94984221
Proj00008-3UG-UGAS	1.416233603	0	2.134638202	0.05153747	Hybrid Discount Rate Scenario	0.666867129	1.416233603	0.94984221
Proj00008-3UG-UGAS	1.416233603	0	2.134638202	0.05153747	Societal Discount Rate Scenario	0.666867129	1.416233603	0.94984221
Proj00008-3UG-UGAS	1.416233603	0	2.134638202	0.05153747	WACC Discount Rate Scenario	0.666867129	1.416233603	0.94984221
Proj00009-3UG-ALT1	1.405558119	1.047213546	1.686216734	1.204989959	Hybrid Discount Rate Scenario	0.122882201	0.358344573	1.315205475
Proj00009-3UG-ALT1	1.405558119	1.047213546	1.686216734	1.204989959	Societal Discount Rate Scenario	0.122882201	0.358344573	1.315205475
Proj00009-3UG-ALT1	1.405558119	1.047213546	1.686216734	1.204989959	WACC Discount Rate Scenario	0.122882201	0.358344573	1.315205475
Proj00009-3UG-PAS	1.405558119	0.021554211	1.686216734	0.048983952	Hybrid Discount Rate Scenario	0.253228874	1.384003908	1.315205475
Proj00009-3UG-PAS	1.405558119	0.021554211	1.686216734	0.048983952	Societal Discount Rate Scenario	0.253228874	1.384003908	1.315205475
Proj00009-3UG-PAS	1.405558119	0.021554211	1.686216734	0.048983952	WACC Discount Rate Scenario	0.253228874	1.384003908	1.315205475
Proj00009-3UG-UGAS	1.348415086	0	1.608319553	0.017250832	Hybrid Discount Rate Scenario	0.242653635	1.348415086	1.315205475
Proj00009-3UG-UGAS	1.348415086	0	1.608319553	0.017250832	Societal Discount Rate Scenario	0.242653635	1.348415086	1.315205475
Proj00009-3UG-UGAS	1.348415086	0	1.608319553	0.017250832	WACC Discount Rate Scenario	0.242653635	1.348415086	1.315205475

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rru_id	pre_mitigated_outage_program_risk	post_mitigated_outage_program_risk	pre_mitigated_overall_utility_risk	post_mitigated_overall_utility_risk	discount_rate_scenario	ignition_risk_mitigation_benefit	outage_program_risk_mitigation_benefit	total_om_costs_nbb
Proj00010-3UG-ALT1	1.320995235	0.634077713	1.524211804	0.751241416	Hybrid Discount Rate Scenario	0.086052865	0.686917522	0.60340918
Proj00010-3UG-ALT1	1.320995235	0.634077713	1.524211804	0.751241416	Societal Discount Rate Scenario	0.086052865	0.686917522	0.60340918
Proj00010-3UG-ALT1	1.320995235	0.634077713	1.524211804	0.751241416	WACC Discount Rate Scenario	0.086052865	0.686917522	0.60340918
Proj00010-3UG-PAS	1.320995235	0.094110154	1.524211804	0.123766968	Hybrid Discount Rate Scenario	0.173559756	1.22688508	0.60340918
Proj00010-3UG-PAS	1.320995235	0.094110154	1.524211804	0.123766968	Societal Discount Rate Scenario	0.173559756	1.22688508	0.60340918
Proj00010-3UG-PAS	1.320995235	0.094110154	1.524211804	0.123766968	WACC Discount Rate Scenario	0.173559756	1.22688508	0.60340918
Proj00010-3UG-UGAS	1.124932413	0	1.298101095	0.012444461	Hybrid Discount Rate Scenario	0.160724222	1.124932413	0.60340918
Proj00010-3UG-UGAS	1.124932413	0	1.298101095	0.012444461	Societal Discount Rate Scenario	0.160724222	1.124932413	0.60340918
Proj00010-3UG-UGAS	1.124932413	0	1.298101095	0.012444461	WACC Discount Rate Scenario	0.160724222	1.124932413	0.60340918
Proj00011-3UG-ALT1	6.214823378	5.69608254	6.423721104	5.859271458	Hybrid Discount Rate Scenario	0.045708807	0.518740838	1.858745724
Proj00011-3UG-ALT1	6.214823378	5.69608254	6.423721104	5.859271458	Societal Discount Rate Scenario	0.045708807	0.518740838	1.858745724
Proj00011-3UG-ALT1	6.214823378	5.69608254	6.423721104	5.859271458	WACC Discount Rate Scenario	0.045708807	0.518740838	1.858745724
Proj00011-3UG-PAS	6.214823378	2.743143161	6.423721104	2.854101667	Hybrid Discount Rate Scenario	0.09793922	3.471680217	1.858745724
Proj00011-3UG-PAS	6.214823378	2.743143161	6.423721104	2.854101667	Societal Discount Rate Scenario	0.09793922	3.471680217	1.858745724
Proj00011-3UG-PAS	6.214823378	2.743143161	6.423721104	2.854101667	WACC Discount Rate Scenario	0.09793922	3.471680217	1.858745724
Proj00011-3UG-UGAS	3.471680217	0	3.579160111	0.009612997	Hybrid Discount Rate Scenario	0.097866897	3.471680217	1.858745724
Proj00011-3UG-UGAS	3.471680217	0	3.579160111	0.009612997	Societal Discount Rate Scenario	0.097866897	3.471680217	1.858745724
Proj00011-3UG-UGAS	3.471680217	0	3.579160111	0.009612997	WACC Discount Rate Scenario	0.097866897	3.471680217	1.858745724
Proj00012-3UG-ALT1	1.769069108	1.581918818	1.973396663	1.70555483	Hybrid Discount Rate Scenario	0.080691542	0.18715029	0.701238126
Proj00012-3UG-ALT1	1.769069108	1.581918818	1.973396663	1.70555483	Societal Discount Rate Scenario	0.080691542	0.18715029	0.701238126
Proj00012-3UG-ALT1	1.769069108	1.581918818	1.973396663	1.70555483	WACC Discount Rate Scenario	0.080691542	0.18715029	0.701238126
Proj00012-3UG-PAS	1.769069108	0.229119038	1.973396663	0.276155438	Hybrid Discount Rate Scenario	0.157291155	1.53995007	0.701238126
Proj00012-3UG-PAS	1.769069108	0.229119038	1.973396663	0.276155438	Societal Discount Rate Scenario	0.157291155	1.53995007	0.701238126
Proj00012-3UG-PAS	1.769069108	0.229119038	1.973396663	0.276155438	WACC Discount Rate Scenario	0.157291155	1.53995007	0.701238126
Proj00012-3UG-UGAS	1.487856691	0	1.635161046	0.012615427	Hybrid Discount Rate Scenario	0.134688928	1.487856691	0.701238126
Proj00012-3UG-UGAS	1.487856691	0	1.635161046	0.012615427	Societal Discount Rate Scenario	0.134688928	1.487856691	0.701238126
Proj00012-3UG-UGAS	1.487856691	0	1.635161046	0.012615427	WACC Discount Rate Scenario	0.134688928	1.487856691	0.701238126
Proj00013-3UG-ALT1	2.055802951	1.171887748	2.267015988	1.298783932	Hybrid Discount Rate Scenario	0.084316853	0.883915203	0.945024686
Proj00013-3UG-ALT1	2.055802951	1.171887748	2.267015988	1.298783932	Societal Discount Rate Scenario	0.084316853	0.883915203	0.945024686
Proj00013-3UG-ALT1	2.055802951	1.171887748	2.267015988	1.298783932	WACC Discount Rate Scenario	0.084316853	0.883915203	0.945024686
Proj00013-3UG-PAS	2.055802951	0.35702357	2.267015988	0.371620532	Hybrid Discount Rate Scenario	0.196616074	1.698779381	0.945024686
Proj00013-3UG-PAS	2.055802951	0.35702357	2.267015988	0.371620532	Societal Discount Rate Scenario	0.196616074	1.698779381	0.945024686
Proj00013-3UG-PAS	2.055802951	0.35702357	2.267015988	0.371620532	WACC Discount Rate Scenario	0.196616074	1.698779381	0.945024686
Proj00013-3UG-UGAS	1.697633705	0	1.908846742	0.014648065	Hybrid Discount Rate Scenario	0.196564972	1.697633705	0.945024686
Proj00013-3UG-UGAS	1.697633705	0	1.908846742	0.014648065	Societal Discount Rate Scenario	0.196564972	1.697633705	0.945024686
Proj00013-3UG-UGAS	1.697633705	0	1.908846742	0.014648065	WACC Discount Rate Scenario	0.196564972	1.697633705	0.945024686
Proj00014-3UG-ALT1	0.343210187	0.164856961	0.436424292	0.217599532	Hybrid Discount Rate Scenario	0.040471533	0.178353226	0.222922853
Proj00014-3UG-ALT1	0.343210187	0.164856961	0.436424292	0.217599532	Societal Discount Rate Scenario	0.040471533	0.178353226	0.222922853
Proj00014-3UG-ALT1	0.343210187	0.164856961	0.436424292	0.217599532	WACC Discount Rate Scenario	0.040471533	0.178353226	0.222922853
Proj00014-3UG-PAS	0.343210187	0.000223214	0.436424292	0.006479852	Hybrid Discount Rate Scenario	0.086957467	0.342986973	0.222922853
Proj00014-3UG-PAS	0.343210187	0.000223214	0.436424292	0.006479852	Societal Discount Rate Scenario	0.086957467	0.342986973	0.222922853
Proj00014-3UG-PAS	0.343210187	0.000223214	0.436424292	0.006479852	WACC Discount Rate Scenario	0.086957467	0.342986973	0.222922853
Proj00014-3UG-UGAS	0.342986973	0	0.436201078	0.006287385	Hybrid Discount Rate Scenario	0.08692672	0.342986973	0.222922853
Proj00014-3UG-UGAS	0.342986973	0	0.436201078	0.006287385	Societal Discount Rate Scenario	0.08692672	0.342986973	0.222922853
Proj00014-3UG-UGAS	0.342986973	0	0.436201078	0.006287385	WACC Discount Rate Scenario	0.08692672	0.342986973	0.222922853
Proj00015-3UG-ALT1	3.497412819	2.586653088	5.572660204	3.785986349	Hybrid Discount Rate Scenario	0.875914124	0.910759731	1.57894037
Proj00015-3UG-ALT1	3.497412819	2.586653088	5.572660204	3.785986349	Societal Discount Rate Scenario	0.875914124	0.910759731	1.57894037
Proj00015-3UG-ALT1	3.497412819	2.586653088	5.572660204	3.785986349	WACC Discount Rate Scenario	0.875914124	0.910759731	1.57894037
Proj00015-3UG-PAS	3.497412819	0.183058587	5.572660204	0.487350899	Hybrid Discount Rate Scenario	1.770955072	3.314354232	1.57894037
Proj00015-3UG-PAS	3.497412819	0.183058587	5.572660204	0.487350899	Societal Discount Rate Scenario	1.770955072	3.314354232	1.57894037
Proj00015-3UG-PAS	3.497412819	0.183058587	5.572660204	0.487350899	WACC Discount Rate Scenario	1.770955072	3.314354232	1.57894037
Proj00015-3UG-UGAS	3.083849249	0	4.776504785	0.108183536	Hybrid Discount Rate Scenario	1.584472	3.083849249	1.57894037
Proj00015-3UG-UGAS	3.083849249	0	4.776504785	0.108183536	Societal Discount Rate Scenario	1.584472	3.083849249	1.57894037
Proj00015-3UG-UGAS	3.083849249	0	4.776504785	0.108183536	WACC Discount Rate Scenario	1.584472	3.083849249	1.57894037
Proj00016-3UG-ALT1	0.126705428	0.060818605	2.152457165	1.200513355	Hybrid Discount Rate Scenario	0.886056987	0.065886822	1.65289579
Proj00016-3UG-ALT1	0.126705428	0.060818605	2.152457165	1.200513355	Societal Discount Rate Scenario	0.886056987	0.065886822	1.65289579
Proj00016-3UG-ALT1	0.126705428	0.060818605	2.152457165	1.200513355	WACC Discount Rate Scenario	0.886056987	0.065886822	1.65289579
Proj00016-3UG-PAS	0.126705428	0.057514526	2.152457165	1.142729953	Hybrid Discount Rate Scenario	0.94053631	0.069190902	1.65289579
Proj00016-3UG-PAS	0.126705428	0.057514526	2.152457165	1.142729953	Societal Discount Rate Scenario	0.94053631	0.069190902	1.65289579
Proj00016-3UG-PAS	0.126705428	0.057514526	2.152457165	1.142729953	WACC Discount Rate Scenario	0.94053631	0.069190902	1.65289579
Proj00016-3UG-UGAS	0.006883499	0	0.117252997	0.007566197	Hybrid Discount Rate Scenario	0.102803302	0.006883499	1.65289579
Proj00016-3UG-UGAS	0.006883499	0	0.117252997	0.007566197	Societal Discount Rate Scenario	0.102803302	0.006883499	1.65289579
Proj00016-3UG-UGAS	0.006883499	0	0.117252997	0.007566197	WACC Discount Rate Scenario	0.102803302	0.006883499	1.65289579
Proj00017-3UG-ALT1	3.084995557	1.681633648	3.293635829	1.793007047	Hybrid Discount Rate Scenario	0.097266873	1.403361908	1.009765881
Proj00017-3UG-ALT1	3.084995557	1.681633648	3.293635829	1.793007047	Societal Discount Rate Scenario	0.097266873	1.403361908	1.009765881
Proj00017-3UG-ALT1	3.084995557	1.681633648	3.293635829	1.793007047	WACC Discount Rate Scenario	0.097266873	1.403361908	1.009765881
Proj00017-3UG-PAS	3.084995557	0.77270149	3.293635829	0.844781505	Hybrid Discount Rate Scenario	0.136560256	2.312294067	1.009765881
Proj00017-3UG-PAS	3.084995557	0.77270149	3.293635829	0.844781505	Societal Discount Rate Scenario	0.136560256	2.312294067	1.009765881
Proj00017-3UG-PAS	3.084995557	0.77270149	3.293635829	0.844781505	WACC Discount Rate Scenario	0.136560256	2.312294067	1.009765881
Proj00017-3UG-UGAS	1.476083937	0	1.560377922	0.005773976	Hybrid Discount Rate Scenario	0.078520009	1.476083937	1.009765881
Proj00017-3UG-UGAS	1.476083937	0	1.560377922	0.005773976	Societal Discount Rate Scenario	0.078520009	1.476083937	1.009765881
Proj00017-3UG-UGAS	1.476083937	0	1.560377922	0.005773976	WACC Discount Rate Scenario	0.078520009	1.476083937	1.009765881
Proj00018-3UG-ALT1	1.573232409	1.437172537	1.624466827	1.468136147	Hybrid Discount Rate Scenario	0.020270808	0.136059872	0.376153946
Proj00018-3UG-ALT1	1.573232409	1.437172537	1.624466827	1.468136147	Societal Discount Rate Scenario	0.020270808	0.136059872	0.376153946
Proj00018-3UG-ALT1	1.573232409	1.437172537	1.624466827	1.468136147	WACC Discount Rate Scenario	0.020270808	0.136059872	0.376153946
Proj00018-3UG-PAS	1.573232409	0.031774738	1.624466827	0.040127148	Hybrid Discount Rate Scenario	0.042882009	1.541457671	0.376153946
Proj00018-3UG-PAS	1.573232409	0.031774738	1.624466827	0.040127148	Societal Discount Rate Scenario	0.042882009	1.541457671	0.376153946
Proj00018-3UG-PAS	1.573232409	0.031774738	1.624466827	0.040127148	WACC Discount Rate Scenario	0.042882009	1.541457671	0.376153946
Proj00018-3UG-UGAS	1.505784621	0	1.551478031	0.00286471	Hybrid Discount Rate Scenario	0.0428287	1.505784621	0.376153946
Proj00018-3UG-UGAS	1.505784621	0	1.551478031	0.00286471	Societal Discount Rate Scenario	0.0428287	1.505784621	0.376153946
Proj00018-3UG-UGAS	1.505784621	0	1.551478031	0.00286471	WACC Discount Rate Scenario	0.0428287	1.505784621	0.376153946
Proj00019-3UG-ALT1	2.16662363	1.319923534	2.503002307	1.502095309	Hybrid Discount Rate Scenario	0.154206902	0.846700096	1.301033912

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

rru_id	pre_mitigated_outage_program_risk	post_mitigated_outage_program_risk	pre_mitigated_overall_utility_risk	post_mitigated_overall_utility_risk	discount_rate_scenario	ignition_risk_mitigation_benefit	outage_program_risk_mitigation_benefit	total_om_costs_nbb
Proj00019-3UG-ALT1	2.16662363	1.319923534	2.503002307	1.502095309	Societal Discount Rate Scenario	0.154206902	0.846700096	1.301033912
Proj00019-3UG-ALT1	2.16662363	1.319923534	2.503002307	1.502095309	WACC Discount Rate Scenario	0.154206902	0.846700096	1.301033912
Proj00019-3UG-PAS	2.16662363	0.000771185	2.503002307	0.021914015	Hybrid Discount Rate Scenario	0.315235847	2.165852445	1.301033912
Proj00019-3UG-PAS	2.16662363	0.000771185	2.503002307	0.021914015	Societal Discount Rate Scenario	0.315235847	2.165852445	1.301033912
Proj00019-3UG-PAS	2.16662363	0.000771185	2.503002307	0.021914015	WACC Discount Rate Scenario	0.315235847	2.165852445	1.301033912
Proj00019-3UG-UGAS	2.165852445	0	2.502231122	0.021314875	Hybrid Discount Rate Scenario	0.315063802	2.165852445	1.301033912
Proj00019-3UG-UGAS	2.165852445	0	2.502231122	0.021314875	Societal Discount Rate Scenario	0.315063802	2.165852445	1.301033912
Proj00019-3UG-UGAS	2.165852445	0	2.502231122	0.021314875	WACC Discount Rate Scenario	0.315063802	2.165852445	1.301033912
Proj00020-3UG-ALT1	0.14346501	0.068863205	0.303614567	0.168422174	Hybrid Discount Rate Scenario	0.060590587	0.074601805	1.039412457
Proj00020-3UG-ALT1	0.14346501	0.068863205	0.303614567	0.168422174	Societal Discount Rate Scenario	0.060590587	0.074601805	1.039412457
Proj00020-3UG-ALT1	0.14346501	0.068863205	0.303614567	0.168422174	WACC Discount Rate Scenario	0.060590587	0.074601805	1.039412457
Proj00020-3UG-PAS	0.14346501	0	0.303614567	0.009567803	Hybrid Discount Rate Scenario	0.150581754	0.14346501	1.039412457
Proj00020-3UG-PAS	0.14346501	0	0.303614567	0.009567803	Societal Discount Rate Scenario	0.150581754	0.14346501	1.039412457
Proj00020-3UG-PAS	0.14346501	0	0.303614567	0.009567803	WACC Discount Rate Scenario	0.150581754	0.14346501	1.039412457
Proj00020-3UG-UGAS	0.14346501	0	0.303614567	0.009727057	Hybrid Discount Rate Scenario	0.150422499	0.14346501	1.039412457
Proj00020-3UG-UGAS	0.14346501	0	0.303614567	0.009727057	Societal Discount Rate Scenario	0.150422499	0.14346501	1.039412457
Proj00020-3UG-UGAS	0.14346501	0	0.303614567	0.009727057	WACC Discount Rate Scenario	0.150422499	0.14346501	1.039412457
Proj00021-3UG-ALT1	0.445987222	0.332034108	2.148352717	1.295684847	Hybrid Discount Rate Scenario	0.738714756	0.113953114	1.624893777
Proj00021-3UG-ALT1	0.445987222	0.332034108	2.148352717	1.295684847	Societal Discount Rate Scenario	0.738714756	0.113953114	1.624893777
Proj00021-3UG-ALT1	0.445987222	0.332034108	2.148352717	1.295684847	WACC Discount Rate Scenario	0.738714756	0.113953114	1.624893777
Proj00021-3UG-PAS	0.445987222	1.71E-05	2.148352717	0.122070441	Hybrid Discount Rate Scenario	1.580312129	0.445970148	1.624893777
Proj00021-3UG-PAS	0.445987222	1.71E-05	2.148352717	0.122070441	Societal Discount Rate Scenario	1.580312129	0.445970148	1.624893777
Proj00021-3UG-PAS	0.445987222	1.71E-05	2.148352717	0.122070441	WACC Discount Rate Scenario	1.580312129	0.445970148	1.624893777
Proj00021-3UG-UGAS	0.442648622	0	2.145014117	0.123580611	Hybrid Discount Rate Scenario	1.578784884	0.442648622	1.624893777
Proj00021-3UG-UGAS	0.442648622	0	2.145014117	0.123580611	Societal Discount Rate Scenario	1.578784884	0.442648622	1.624893777
Proj00021-3UG-UGAS	0.442648622	0	2.145014117	0.123580611	WACC Discount Rate Scenario	1.578784884	0.442648622	1.624893777
Proj00022-3UG-ALT1	0.010230824	0.004913752	0.253897566	0.14684875	Hybrid Discount Rate Scenario	0.101731744	0.005317072	0.153889016
Proj00022-3UG-ALT1	0.010230824	0.004913752	0.253897566	0.14684875	Societal Discount Rate Scenario	0.101731744	0.005317072	0.153889016
Proj00022-3UG-ALT1	0.010230824	0.004913752	0.253897566	0.14684875	WACC Discount Rate Scenario	0.101731744	0.005317072	0.153889016
Proj00022-3UG-PAS	0.010230824	0.00434352	0.253897566	0.13225337	Hybrid Discount Rate Scenario	0.115756892	0.005887304	0.153889016
Proj00022-3UG-PAS	0.010230824	0.00434352	0.253897566	0.13225337	Societal Discount Rate Scenario	0.115756892	0.005887304	0.153889016
Proj00022-3UG-PAS	0.010230824	0.00434352	0.253897566	0.13225337	WACC Discount Rate Scenario	0.115756892	0.005887304	0.153889016
Proj00022-3UG-UGAS	0.001187983	0	0.02948208	0.002476653	Hybrid Discount Rate Scenario	0.025817444	0.001187983	0.153889016
Proj00022-3UG-UGAS	0.001187983	0	0.02948208	0.002476653	Societal Discount Rate Scenario	0.025817444	0.001187983	0.153889016
Proj00022-3UG-UGAS	0.001187983	0	0.02948208	0.002476653	WACC Discount Rate Scenario	0.025817444	0.001187983	0.153889016
Proj00023-3UG-ALT1	3.784982853	1.987744462	5.987217541	3.308105359	Hybrid Discount Rate Scenario	0.88187379	1.797238391	3.346426923
Proj00023-3UG-ALT1	3.784982853	1.987744462	5.987217541	3.308105359	Societal Discount Rate Scenario	0.88187379	1.797238391	3.346426923
Proj00023-3UG-ALT1	3.784982853	1.987744462	5.987217541	3.308105359	WACC Discount Rate Scenario	0.88187379	1.797238391	3.346426923
Proj00023-3UG-PAS	3.784982853	0.013429578	5.987217541	0.17995202	Hybrid Discount Rate Scenario	2.035712246	3.771553276	3.346426923
Proj00023-3UG-PAS	3.784982853	0.013429578	5.987217541	0.17995202	Societal Discount Rate Scenario	2.035712246	3.771553276	3.346426923
Proj00023-3UG-PAS	3.784982853	0.013429578	5.987217541	0.17995202	WACC Discount Rate Scenario	2.035712246	3.771553276	3.346426923
Proj00023-3UG-UGAS	3.757004567	0	5.941724061	0.15798849	Hybrid Discount Rate Scenario	2.026731004	3.757004567	3.346426923
Proj00023-3UG-UGAS	3.757004567	0	5.941724061	0.15798849	Societal Discount Rate Scenario	2.026731004	3.757004567	3.346426923
Proj00023-3UG-UGAS	3.757004567	0	5.941724061	0.15798849	WACC Discount Rate Scenario	2.026731004	3.757004567	3.346426923
Proj00024-3UG-ALT1	0.076209214	0.072139479	0.105837462	0.089824878	Hybrid Discount Rate Scenario	0.011942849	0.004069735	0.244700239
Proj00024-3UG-ALT1	0.076209214	0.072139479	0.105837462	0.089824878	Societal Discount Rate Scenario	0.011942849	0.004069735	0.244700239
Proj00024-3UG-ALT1	0.076209214	0.072139479	0.105837462	0.089824878	WACC Discount Rate Scenario	0.011942849	0.004069735	0.244700239
Proj00024-3UG-PAS	0.076209214	1.00E-05	0.105837462	0.00187727	Hybrid Discount Rate Scenario	0.027761001	0.07619919	0.244700239
Proj00024-3UG-PAS	0.076209214	1.00E-05	0.105837462	0.00187727	Societal Discount Rate Scenario	0.027761001	0.07619919	0.244700239
Proj00024-3UG-PAS	0.076209214	1.00E-05	0.105837462	0.00187727	WACC Discount Rate Scenario	0.027761001	0.07619919	0.244700239
Proj00024-3UG-UGAS	0.07619919	0	0.105827438	0.001858524	Hybrid Discount Rate Scenario	0.027769724	0.07619919	0.244700239
Proj00024-3UG-UGAS	0.07619919	0	0.105827438	0.001858524	Societal Discount Rate Scenario	0.027769724	0.07619919	0.244700239
Proj00024-3UG-UGAS	0.07619919	0	0.105827438	0.001858524	WACC Discount Rate Scenario	0.027769724	0.07619919	0.244700239
Proj00025-3UG-ALT1	0.014289247	0.006862447	0.290968962	0.155962069	Hybrid Discount Rate Scenario	0.127580093	0.0074268	0.534510718
Proj00025-3UG-ALT1	0.014289247	0.006862447	0.290968962	0.155962069	Societal Discount Rate Scenario	0.127580093	0.0074268	0.534510718
Proj00025-3UG-ALT1	0.014289247	0.006862447	0.290968962	0.155962069	WACC Discount Rate Scenario	0.127580093	0.0074268	0.534510718
Proj00025-3UG-PAS	0.014289247	6.94E-06	0.290968962	0.017741326	Hybrid Discount Rate Scenario	0.258945328	0.014282307	0.534510718
Proj00025-3UG-PAS	0.014289247	6.94E-06	0.290968962	0.017741326	Societal Discount Rate Scenario	0.258945328	0.014282307	0.534510718
Proj00025-3UG-PAS	0.014289247	6.94E-06	0.290968962	0.017741326	WACC Discount Rate Scenario	0.258945328	0.014282307	0.534510718
Proj00025-3UG-UGAS	0.014282307	0	0.290962022	0.017872121	Hybrid Discount Rate Scenario	0.258807593	0.014282307	0.534510718
Proj00025-3UG-UGAS	0.014282307	0	0.290962022	0.017872121	Societal Discount Rate Scenario	0.258807593	0.014282307	0.534510718
Proj00025-3UG-UGAS	0.014282307	0	0.290962022	0.017872121	WACC Discount Rate Scenario	0.258807593	0.014282307	0.534510718
Proj00026-3UG-ALT1	0.021060482	0.010115198	0.134146129	0.080966177	Hybrid Discount Rate Scenario	0.042234668	0.010945284	0.716454763
Proj00026-3UG-ALT1	0.021060482	0.010115198	0.134146129	0.080966177	Societal Discount Rate Scenario	0.042234668	0.010945284	0.716454763
Proj00026-3UG-ALT1	0.021060482	0.010115198	0.134146129	0.080966177	WACC Discount Rate Scenario	0.042234668	0.010945284	0.716454763
Proj00026-3UG-PAS	0.021060482	1.19E-05	0.134146129	0.006436166	Hybrid Discount Rate Scenario	0.10666134	0.021048623	0.716454763
Proj00026-3UG-PAS	0.021060482	1.19E-05	0.134146129	0.006436166	Societal Discount Rate Scenario	0.10666134	0.021048623	0.716454763
Proj00026-3UG-PAS	0.021060482	1.19E-05	0.134146129	0.006436166	WACC Discount Rate Scenario	0.10666134	0.021048623	0.716454763
Proj00026-3UG-UGAS	0.020427719	0	0.133513366	0.006472724	Hybrid Discount Rate Scenario	0.106612923	0.020427719	0.716454763
Proj00026-3UG-UGAS	0.020427719	0	0.133513366	0.006472724	Societal Discount Rate Scenario	0.106612923	0.020427719	0.716454763
Proj00026-3UG-UGAS	0.020427719	0	0.133513366	0.006472724	WACC Discount Rate Scenario	0.106612923	0.020427719	0.716454763
Proj00027-3UG-ALT1	2.748995023	2.23063616	3.086256341	2.418890487	Hybrid Discount Rate Scenario	0.14900699	0.518358864	0.232453808
Proj00027-3UG-ALT1	2.748995023	2.23063616	3.086256341	2.418890487	Societal Discount Rate Scenario	0.14900699	0.518358864	0.232453808
Proj00027-3UG-ALT1	2.748995023	2.23063616	3.086256341	2.418890487	WACC Discount Rate Scenario	0.14900699	0.518358864	0.232453808
Proj00027-3UG-PAS	2.748995023	0.001563233	3.086256341	0.022558657	Hybrid Discount Rate Scenario	0.316265893	2.747431791	0.232453808
Proj00027-3UG-PAS	2.748995023	0.001563233	3.086256341	0.022558657	Societal Discount Rate Scenario	0.316265893	2.747431791	0.232453808
Proj00027-3UG-PAS	2.748995023	0.001563233	3.086256341	0.022558657	WACC Discount Rate Scenario	0.316265893	2.747431791	0.232453808
Proj00027-3UG-UGAS	2.747431791	0	3.084693108	0.020799772	Hybrid Discount Rate Scenario	0.316461546	2.747431791	0.232453808
Proj00027-3UG-UGAS	2.747431791	0	3.084693108	0.020799772	Societal Discount Rate Scenario	0.316461546	2.747431791	0.232453808
Proj00027-3UG-UGAS	2.747431791	0	3.084693108	0.020799772	WACC Discount Rate Scenario	0.316461546	2.747431791	0.232453808
Proj00028-3UG-ALT1	2.410964152	2.334494138	2.544123693	2.426835524	Hybrid Discount Rate Scenario	0.040818155	0.076470014	0.751962415
Proj00028-3UG-ALT1	2.410964152	2.334494138	2.544123693	2.426835524	Societal Discount Rate Scenario	0.040818155	0.076470014	0.751962415
Proj00028-3UG-ALT1	2.410964152	2.334494138	2.544123693	2.426835524	WACC Discount Rate Scenario	0.040818155	0.076470014	0.751962415
Proj00028-3UG-PAS	2.410964152	0.325107222	2.544123693	0.353328025	Hybrid Discount Rate Scenario	0.104938738	2.08585693	0.751962415
Proj00028-3UG-PAS	2.410964152	0.325107222	2.544123693	0.353328025	Societal Discount Rate Scenario	0.104938738	2.08585693	0.751962415
Proj00028-3UG-PAS	2.410964152	0.325107222	2.544123693	0.353328025	WACC Discount Rate Scenario	0.104938738	2.08585693	0.751962415
Proj00028-3UG-UGAS	2.072702547	0	2.178438557	0.007821956	Hybrid Discount Rate Scenario	0.097914054	2.072702547	0.751962415
Proj00028-3UG-UGAS	2.072702547	0	2.178438557	0.007821956	Societal Discount Rate Scenario	0.097914054	2.072702547	0.751962415
Proj00028-3UG-UGAS	2.072702547	0	2.178438557	0.007821956	WACC Discount Rate Scenario	0.097914054	2.072702547	0.751962415

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

rru_id	total_om_costs_nbb_pv	incremental_om_costs	incremental_om_savings	incremental_om_cost_pv	incremental_om_savings_pv	total_mitigation_benefit_scaled	total_mitigation_benefit_unscaled	average_unit_cost_per_mile	total_capex	total_project_costs	present_value_project_costs
Proj00001-3UG-ALT1	23.89320317	0.008392938	-0.034134328	0.168441916	-6.86E-01	11.83318672	7.598838147	0.946685807	2.88739171	2.895784648	4.175564131
Proj00001-3UG-ALT1	37.29484569	0.008392938	-0.034134328	0.26258634	-1.070334254	17.01916853	10.5366971	0.946685807	2.88739171	2.895784648	4.269708556
Proj00001-3UG-ALT1	23.89320317	0.008392938	-0.034134328	0.168441916	-6.86E-01	10.91767063	6.736248352	0.946685807	2.88739171	2.895784648	4.175564131
Proj00001-3UG-PAS	24.70765818	0.001263181	-1.115986679	0.026240755	-23.18301191	132.9105814	90.67629516	3.062763727	11.11783233	11.11909551	15.45556846
Proj00001-3UG-PAS	40.24658864	0.001263181	-1.115986679	0.042743866	-37.7630734	188.2182487	127.2639172	3.062763727	11.11783233	11.11909551	15.47207157
Proj00001-3UG-PAS	24.70765818	0.001263181	-1.115986679	0.026240755	-23.18301191	116.2944841	78.63507022	3.062763727	11.11783233	11.11909551	15.45556846
Proj00001-3UG-UGAS	24.70765818	0.001263181	-1.115986679	0.026240755	-23.18301191	132.9105814	90.67629516	3.062763727	11.11783233	11.11909551	15.45556846
Proj00001-3UG-UGAS	40.24658864	0.001263181	-1.115986679	0.042743866	-37.7630734	188.2182487	127.2639172	3.062763727	11.11783233	11.11909551	15.47207157
Proj00001-3UG-UGAS	24.70765818	0.001263181	-1.115986679	0.026240755	-23.18301191	116.2944841	78.63507022	3.062763727	11.11783233	11.11909551	15.45556846
Proj00002-3UG-ALT1	6.093323926	0.007072083	0	0.141933041	0	29.82970119	28.51651597	0.904287	2.32401759	2.331089673	3.367204652
Proj00002-3UG-ALT1	9.498963951	0.007072083	0	0.221261303	0	41.61359354	39.55204038	0.904287	2.32401759	2.331089673	3.446532914
Proj00002-3UG-ALT1	6.093323926	0.007072083	0	0.141933041	0	25.98170853	24.68614984	0.904287	2.32401759	2.331089673	3.367204652
Proj00002-3UG-PAS	6.30708889	0.001014738	-0.269423569	0.02107972	-5.596885635	53.03112106	50.09441643	3.059524	7.83238144	7.833396178	10.89085868
Proj00002-3UG-PAS	10.27368965	0.001014738	-0.269423569	0.034336997	-9.11683105	77.07430896	72.24381317	3.059524	7.83238144	7.833396178	10.90411596
Proj00002-3UG-PAS	6.30708889	0.001014738	-0.269423569	0.02107972	-5.596885635	45.672686	42.77912879	3.059524	7.83238144	7.833396178	10.89085868
Proj00002-3UG-UGAS	6.30708889	0.001014738	-0.269423569	0.02107972	-5.596885635	53.03112106	50.09441643	3.059524	7.83238144	7.833396178	10.89085868
Proj00002-3UG-UGAS	10.27368965	0.001014738	-0.269423569	0.034336997	-9.11683105	77.07430896	72.24381317	3.059524	7.83238144	7.833396178	10.90411596
Proj00002-3UG-UGAS	6.30708889	0.001014738	-0.269423569	0.02107972	-5.596885635	45.672686	42.77912879	3.059524	7.83238144	7.833396178	10.89085868
Proj00003-3UG-ALT1	28.59320528	0.022977413	0	0.461144776	0.00E+00	49.00720135	43.37964831	0.904287	7.55079645	7.573773863	10.94014009
Proj00003-3UG-ALT1	44.57432913	0.022977413	0	0.718884717	0	69.9878177	61.22523496	0.904287	7.55079645	7.573773863	11.19788003
Proj00003-3UG-ALT1	28.59320528	0.022977413	0	0.461144776	0.00E+00	42.9490696	37.39536344	0.904287	7.55079645	7.573773863	10.94014009
Proj00003-3UG-PAS	29.66721814	0.004008776	-1.339578272	0.083276538	-27.82780442	177.5998674	140.5906495	3.059524	35.24571648	35.24972526	48.99728187
Proj00003-3UG-PAS	48.32527291	0.004008776	-1.339578272	0.135650106	-45.32902902	258.8745883	203.8771427	3.059524	35.24571648	35.24972526	49.04965544
Proj00003-3UG-PAS	29.66721814	0.004008776	-1.339578272	0.083276538	-27.82780442	153.4120952	119.9967826	3.059524	35.24571648	35.24972526	48.99728187
Proj00003-3UG-UGAS	29.66721814	0.004008776	-1.339578272	0.083276538	-27.82780442	177.5998674	140.5906495	3.059524	35.24571648	35.24972526	48.99728187
Proj00003-3UG-UGAS	48.32527291	0.004008776	-1.339578272	0.135650106	-45.32902902	258.8745883	203.8771427	3.059524	35.24571648	35.24972526	49.04965544
Proj00003-3UG-UGAS	29.66721814	0.004008776	-1.339578272	0.083276538	-27.82780442	153.4120952	119.9967826	3.059524	35.24571648	35.24972526	48.99728187
Proj00004-3UG-ALT1	1.082629714	0.001183262	0	0.023747458	0.00E+00	1.816466945	0.850711492	0.600573	0.25824639	0.259429652	0.382141798
Proj00004-3UG-ALT1	1.687725903	0.001183262	0	0.037020227	0	2.68812314	1.19420312	0.600573	0.25824639	0.259429652	0.395414568
Proj00004-3UG-ALT1	1.082629714	0.001183262	0	0.023747458	0.00E+00	1.72185877	0.768572453	0.600573	0.25824639	0.259429652	0.382141798
Proj00004-3UG-PAS	1.120610347	0.000167032	-0.048039455	0.003469839	-0.997950323	4.288551256	1.902575236	2.467274	1.18429152	1.184458552	1.64702961
Proj00004-3UG-PAS	1.825375086	0.000167032	-0.048039455	0.00565206	-1.625572699	6.645552173	2.782376666	2.467274	1.18429152	1.184458552	1.649211831
Proj00004-3UG-PAS	1.120610347	0.000167032	-0.048039455	0.003469839	-0.997950323	4.059912421	1.709624314	2.467274	1.18429152	1.184458552	1.64702961
Proj00004-3UG-UGAS	1.120610347	0.000167032	-0.048039455	0.003469839	-0.997950323	4.288551256	1.902575236	2.467274	1.18429152	1.184458552	1.64702961
Proj00004-3UG-UGAS	1.825375086	0.000167032	-0.048039455	0.00565206	-1.625572699	6.645552173	2.782376666	2.467274	1.18429152	1.184458552	1.649211831
Proj00004-3UG-UGAS	1.120610347	0.000167032	-0.048039455	0.003469839	-0.997950323	4.059912421	1.709624314	2.467274	1.18429152	1.184458552	1.64702961
Proj00005-3UG-ALT1	25.83717848	0.015602618	0	0.313136456	0.00E+00	4.800034641	1.937415748	1.036335	5.87601945	5.891622068	8.467876249
Proj00005-3UG-ALT1	40.27792219	0.015602618	0	0.488152582	0	7.221904745	2.773568543	1.036335	5.87601945	5.891622068	8.642892375
Proj00005-3UG-ALT1	25.83717848	0.015602618	0	0.313136456	0.00E+00	4.586737373	1.761478812	1.036335	5.87601945	5.891622068	8.467876249
Proj00005-3UG-PAS	26.74359402	0.002293214	-1.227385609	0.047638201	-25.49716384	18.95904526	9.511455345	2.467274	16.25933566	16.26162887	22.61234423
Proj00005-3UG-PAS	43.56294796	0.002293214	-1.227385609	0.077598411	-41.53262191	28.69019489	13.79435396	2.467274	16.25933566	16.26162887	22.64230444
Proj00005-3UG-PAS	26.74359402	0.002293214	-1.227385609	0.047638201	-25.49716384	17.40585477	8.385012218	2.467274	16.25933566	16.26162887	22.61234423
Proj00005-3UG-UGAS	26.74359402	0.002293214	-1.227385609	0.047638201	-25.49716384	18.95904526	9.511455345	2.467274	16.25933566	16.26162887	22.61234423
Proj00005-3UG-UGAS	43.56294796	0.002293214	-1.227385609	0.077598411	-41.53262191	28.69019489	13.79435396	2.467274	16.25933566	16.26162887	22.64230444
Proj00005-3UG-UGAS	26.74359402	0.002293214	-1.227385609	0.047638201	-25.49716384	17.40585477	8.385012218	2.467274	16.25933566	16.26162887	22.61234423
Proj00006-3UG-ALT1	2.85922819	0.003384691	0	0.067928995	0	14.27553708	11.88730635	1.049	1.29027	1.293654691	1.858565701
Proj00006-3UG-ALT1	4.457288966	0.003384691	0	0.105895415	0	20.16915295	16.44531853	1.049	1.29027	1.293654691	1.896532118
Proj00006-3UG-ALT1	2.85922819	0.003384691	0	0.067928995	0	12.73707054	10.38026366	1.049	1.29027	1.293654691	1.858565701
Proj00006-3UG-PAS	2.915497949	0.001687792	-0.073803215	0.034015221	-1.525977541	32.88552681	25.8103371	2.387232143	2.6737	2.675387792	3.744576081
Proj00006-3UG-PAS	4.66122149	0.001687792	-0.073803215	0.053320263	-2.473571017	44.36669698	34.30476796	2.387232143	2.6737	2.675387792	3.763881123
Proj00006-3UG-PAS	2.915497949	0.001687792	-0.073803215	0.034015221	-1.525977541	29.76012316	23.062755	2.387232143	2.6737	2.675387792	3.744576081
Proj00006-3UG-UGAS	1.251185593	0.00020183	-0.073803215	0.004192735	-1.296573565	19.63197458	15.05391974	3.06	1.7748	1.77500183	2.467260175
Proj00006-3UG-UGAS	2.038070606	0.00020183	-0.073803215	0.006829594	-2.112003525	28.52156761	21.54313605	3.06	1.7748	1.77500183	2.469897034
Proj00006-3UG-UGAS	1.251185593	0.00020183	-0.073803215	0.004192735	-1.296573565	17.18199526	12.96796612	3.06	1.7748	1.77500183	2.467260175
Proj00007-3UG-ALT1	11.60891955	0.022537137	0	0.452308665	0.00E+00	28.66159584	8.735133648	0.904	7.40376	7.426297137	10.72724679
Proj00007-3UG-ALT1	18.09729954	0.022537137	0	0.705109986	0	45.25565145	13.17994427	0.904	7.40376	7.426297137	10.98004811
Proj00007-3UG-ALT1	11.60891955	0.022537137	0	0.452308665	0.00E+00	27.73232802	8.089206196	0.904	7.40376	7.426297137	10.72724679
Proj00007-3UG-PAS	11.66650866	0.019717407	-0.062551028	0.395980301	-1.299407294	35.40347705	11.46572595	1.18867284	9.62825	9.647967407	13.75806565
Proj00007-3UG-PAS	18.30601365	0.019717407	-0.062551028	0.61784038	-2.116619408	56.41398075	17.40568609	1.18867284	9.62825	9.647967407	13.97992573
Proj00007-3UG-PAS	11.66650866	0.019717407	-0.062551028	0.395980301	-1.299407294	34.02602204	10.51380734	1.18867284	9.62825	9.647967407	13.75806565
Proj00007-3UG-UGAS	1.699154252	0.000372343	-0.062551028	0.00773489	-1.299407294	10.79478867	3.965788292	3.059	3.27313	3.273502343	4.550184704
Proj00007-3UG-UGAS	2.767771908	0.000372343	-0.062551028	0.012599451	-2.116619408	17.55772758	6.089458511	3.059	3.27313	3.273502343	4.555049265
Proj00007-3UG-UGAS	1.699154252	0.000372343	-0.062551028	0.00773489	-1.299407294	10.21519789	3.568459433	3.059	3.27313	3.273502343	4.550184704
Proj00008-3UG-ALT1	17.20413716	0.051375848	-0.021385741	1.031086659	-0.387351936	64.44427661	21.80979765	0.908986644	16.97078085	17.0221565	24.58313605
Proj00008-3UG-ALT1	26.84769373	0.051375848	-0.021385741	1.607374691	-0.604477054	94.91542895	30.96888365	0.908986644	16.97078085	17.0221565	25.15942408
Proj00008-3UG-ALT1	17.20413716	0.051375848	-0.021385741	1.031086659	-0.387351936	62.30894876	20.18049954	0.908986644	16.97078085	17.0221565	24.58313605
Proj00008-3UG-PAS	17.4807562	0.032457426	-0.293927296	0.655055912	-6.055237316	140.7699147	62.75855618	2.202406505	54.65602104	54.68847846	76.50668191
Proj00008-3UG-PAS	27.85021478	0.032457426	-0.293927296	1.028718163	-9.8493872	207.1485433	88.75508852	2.202406505	54.65602104	54.68847846	76.88034416
Proj00008-3UG-PAS	17.4807562	0.032457426	-0.293927296	0.655055912	-6.055237316	131.9034517	56.40769931	2.202406505	54.65602104	54.68847846	76.50668191
Proj00008-3UG-UGAS	8.160038069	0.005187225	-0.293927296	0.107757102	-5.84538092	103.2671201	49.44231317	3.059524	45.60679451	45.61198173	63.40086652
Proj00008-3UG-UGAS	13.29197988	0.005187225	-0.293927296	0.175526776	-9.521607875	153.4697903	70.57529096	3.059524	45.60679451	45.61198173	63.46863619
Proj00008-3UG-UGAS	8.160038069	0.005187225	-0.293927296	0.107757102	-5.84538092	95.53408497	43.9562846	3.059524	45.60679451	45.61198173	63.40086652
Proj00009-3UG-ALT1	26.3979808	0.019234975	-0.011190952	0.386035988	-0.224617787	30.78353866	23.30544518	0.906038519	6.33320925	6.352444225	9.175263785
Proj00009-3UG-ALT1	41.1684373	0.019234975	-0.011190952	0.60179663	-0.350298129	44.65270947	33.11519802	0.906038519	6.33320925	6.352444225	9.391024427
Proj00009-3UG-ALT1	26.3979808	0.019234975	-0.011190952	0.386035988	-0.224617787	27.58591725	20.20337861	0.906038519	6.33320925	6.352444225	9.175263785
Proj00009-3UG-PAS	27.25550698	0.004289801	-1.07179701	0.088223189	-22.26447388	82.18060643	58.91572101	2.945342584	26.94988464	26.95417444	37.48927309
Proj00009-3UG-PAS	44.27627851	0.004289801	-1.07179701	0.141929503	-36.26583068	122.6607436	86.47423528	2.945342584	26.94988464	26.95417444	37.54297941
Proj00009-3UG-PAS	27.25550698	0.004289801	-1.07179701	0.088223189	-22.26447388	72.52615524	50.47135396	2.945342584	26.94988464	26.95417444	37.48927309
Proj00009-3UG-UGAS	25.30112378	0.00302398	-1.07179701	0.062818818	-22.24784423	79.49555797	56.91925601	3.059524	26.58726356	26.59028754	36.96062319
Proj00009-3UG-UGAS	41.21329158	0.00302398	-1.07179701	0.102326292	-36.23976803	119.0624817	83.83170024	3.059524	26.58726356	26.59028754	37.00013066
Proj00009-3UG-UGAS	25.30112378	0.00302398	-1.07179701	0.062818818	-22.24784423	70.0515368	48.67903069	3.059524	26.58726356	26.59028754	36.96062319

SPD-37
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Electrical Undergrounding Program
SPD-37 Table 1: Data Set

rru_id	total_om_costs_nbb_pv	incremental_om_costs	incremental_om_savings	incremental_om_cost_pv	incremental_om_savings_pv	total_mitigation_benefit_scaled	total_mitigation_benefit_unscaled	average_unit_cost_per_mile	total_capex	total_project_costs	present_value_project_costs
Proj00010-3UG-ALT1	12.11010939	0.021518953	0	0.43187424	0	48.85274889	43.27935121	0.960487	7.51100834	7.532527293	10.85565161
Proj00010-3UG-ALT1	18.87861108	0.021518953	0	0.673254491	0	72.14374153	63.37093992	0.960487	7.51100834	7.532527293	11.09703187
Proj00010-3UG-ALT1	12.11010939	0.021518953	0	0.43187424	0	42.13844069	36.6401459	0.960487	7.51100834	7.532527293	10.85565161
Proj00010-3UG-PAS	12.47189852	0.005916783	-0.385977712	0.120665174	-8.018129659	91.22171755	79.50439144	2.781428903	25.00504584	25.01096262	34.82266779
Proj00010-3UG-PAS	20.18980504	0.005916783	-0.385977712	0.192068577	-13.06082314	141.8009443	122.4579017	2.781428903	25.00504584	25.01096262	34.89407119
Proj00010-3UG-PAS	12.47189852	0.005916783	-0.385977712	0.120665174	-8.018129659	77.61929093	66.07509396	2.781428903	25.00504584	25.01096262	34.82266779
Proj00010-3UG-UGAS	10.67450958	0.002724713	-0.385977712	0.056601987	-8.018129659	83.97096633	73.0808469	3.059524	23.95607292	23.95879763	33.30283999
Proj00010-3UG-UGAS	17.38783145	0.002724713	-0.385977712	0.092199624	-13.06082314	131.0933315	113.0523528	3.059524	23.95607292	23.95879763	33.33843762
Proj00010-3UG-UGAS	10.67450958	0.002724713	-0.385977712	0.056601987	-8.018129659	71.36508094	60.63694384	3.059524	23.95607292	23.95879763	33.30283999
Proj00011-3UG-ALT1	19.18783478	0.013236087	0	0.265641413	0	46.76628524	43.89327369	1.049	5.04569	5.058926087	7.268049995
Proj00011-3UG-ALT1	29.91217159	0.013236087	0	0.414111928	0	65.64806728	61.1628187	1.049	5.04569	5.058926087	7.41652051
Proj00011-3UG-ALT1	19.18783478	0.013236087	0	0.265641413	0	40.7899561	37.95488896	1.049	5.04569	5.058926087	7.268049995
Proj00011-3UG-PAS	19.86097917	0.002084424	-0.905170076	0.043300897	-18.80360138	167.4656272	134.6899672	3.059	18.32341	18.32549442	25.4725293
Proj00011-3UG-PAS	32.35177745	0.002084424	-0.905170076	0.070533327	-30.62940143	241.4247643	193.5966265	3.059	18.32341	18.32549442	25.49976173
Proj00011-3UG-PAS	19.86097917	0.002084424	-0.905170076	0.043300897	-18.80360138	144.1629609	115.1884237	3.059	18.32341	18.32549442	25.4725293
Proj00011-3UG-UGAS	19.86097917	0.002084424	-0.905170076	0.043300897	-18.80360138	167.4656272	134.6899672	3.059	18.32341	18.32549442	25.4725293
Proj00011-3UG-UGAS	32.35177745	0.002084424	-0.905170076	0.070533327	-30.62940143	241.4247643	193.5966265	3.059	18.32341	18.32549442	25.49976173
Proj00011-3UG-UGAS	19.86097917	0.002084424	-0.905170076	0.043300897	-18.80360138	144.1629609	115.1884237	3.059	18.32341	18.32549442	25.4725293
Proj00012-3UG-ALT1	14.05931028	0.013346162	0	0.267850565	0.00E+00	20.8146397	15.62779541	1.049	5.08765	5.100996162	7.328491235
Proj00012-3UG-ALT1	21.91724634	0.013346162	0	0.417555804	0	29.9304819	21.76189355	1.049	5.08765	5.100996162	7.478196474
Proj00012-3UG-ALT1	14.05931028	0.013346162	0	0.267850565	0.00E+00	18.80541571	13.68854064	1.049	5.08765	5.100996162	7.328491235
Proj00012-3UG-PAS	14.41524683	0.005607944	-0.464366242	0.113881376	-9.646538185	79.05052005	55.08030791	2.659368189	18.05711	18.06271794	25.17353863
Proj00012-3UG-PAS	23.20722943	0.005607944	-0.464366242	0.18028387	-15.71335642	115.5105985	79.00266205	2.659368189	18.05711	18.06271794	25.23994113
Proj00012-3UG-PAS	14.41524683	0.005607944	-0.464366242	0.113881376	-9.646538185	69.36650333	47.48609445	2.659368189	18.05711	18.06271794	25.17353863
Proj00012-3UG-UGAS	10.50183056	0.001893033	-0.464366242	0.039325033	-9.646538185	73.25675436	50.730303	3.059	16.64096	16.64285303	23.13364932
Proj00012-3UG-UGAS	17.10655261	0.001893033	-0.464366242	0.064056996	-15.71335642	107.1794334	72.94522776	3.059	16.64096	16.64285303	23.15838128
Proj00012-3UG-UGAS	10.50183056	0.001893033	-0.464366242	0.039325033	-9.646538185	64.13200618	43.67588211	3.059	16.64096	16.64285303	23.13364932
Proj00013-3UG-ALT1	18.96615546	0.021243782	0	0.426351699	0	55.05848307	49.95572154	1.225497	9.46083684	9.482080622	13.55610107
Proj00013-3UG-ALT1	29.55659275	0.021243782	0	0.664645327	0	80.29305129	72.40047783	1.225497	9.46083684	9.482080622	13.79439469
Proj00013-3UG-ALT1	18.96615546	0.021243782	0	0.426351699	0	47.48690358	42.4499565	1.225497	9.46083684	9.482080622	13.55610107
Proj00013-3UG-PAS	19.63066052	0.003691789	-0.795760865	0.076672209	-16.530783	110.8120439	98.42489743	2.967778073	31.28038089	31.28407268	43.48758481
Proj00013-3UG-PAS	31.97488801	0.003691789	-0.795760865	0.124853581	-26.92718156	170.5188162	150.4246111	2.967778073	31.28038089	31.28407268	43.53576618
Proj00013-3UG-PAS	19.63066052	0.003691789	-0.795760865	0.076672209	-16.530783	94.25720043	82.04571151	2.967778073	31.28038089	31.28407268	43.48758481
Proj00013-3UG-UGAS	19.60607778	0.003664271	-0.795760865	0.07611994	-16.530783	110.7406806	98.36014794	2.966782543	31.269888	31.27355227	43.47247051
Proj00013-3UG-UGAS	31.93656564	0.003664271	-0.795760865	0.123992641	-26.92718156	170.4147453	150.3307701	2.966782543	31.269888	31.27355227	43.52034321
Proj00013-3UG-UGAS	19.60607778	0.003664271	-0.795760865	0.07611994	-16.530783	94.19565087	81.99069053	2.966782543	31.269888	31.27355227	43.47247051
Proj00014-3UG-ALT1	4.471036376	0.003467258	0	0.069586069	0	8.113632246	5.544151438	0.904287	1.13940162	1.142868878	1.650847638
Proj00014-3UG-ALT1	6.969958248	0.003467258	0	0.108478648	0	11.74265207	7.714733522	0.904287	1.13940162	1.142868878	1.689740216
Proj00014-3UG-ALT1	4.471036376	0.003467258	0	0.069586069	0	7.422200545	4.886998343	0.904287	1.13940162	1.142868878	1.650847638
Proj00014-3UG-PAS	4.627888521	0.000438461	-0.19241766	0.009108391	-3.997199071	16.95373567	11.1877604	3.059524	3.85500024	3.855438701	5.359077724
Proj00014-3UG-PAS	7.538420851	0.000438461	-0.19241766	0.014836763	-6.511083303	25.6997506	16.1965922	3.059524	3.85500024	3.855438701	5.364806096
Proj00014-3UG-PAS	4.627888521	0.000438461	-0.19241766	0.009108391	-3.997199071	15.44609565	9.76491583	3.059524	3.85500024	3.855438701	5.359077724
Proj00014-3UG-UGAS	4.627888521	0.000438461	-0.19241766	0.009108391	-3.997199071	16.95373567	11.1877604	3.059524	3.85500024	3.855438701	5.359077724
Proj00014-3UG-UGAS	7.538420851	0.000438461	-0.19241766	0.014836763	-6.511083303	25.6997506	16.1965922	3.059524	3.85500024	3.855438701	5.364806096
Proj00014-3UG-UGAS	4.627888521	0.000438461	-0.19241766	0.009108391	-3.997199071	15.44609565	9.76491583	3.059524	3.85500024	3.855438701	5.359077724
Proj00015-3UG-ALT1	31.71058946	0.062795753	-0.031874056	1.260278235	-0.640141405	110.0119994	54.95534992	1.053491649	24.04067942	24.10347517	34.62393313
Proj00015-3UG-ALT1	49.47965197	0.062795753	-0.031874056	1.964664483	-0.998845322	162.0146212	77.5802808	1.053491649	24.04067942	24.10347517	35.32831938
Proj00015-3UG-ALT1	31.71058946	0.062795753	-0.031874056	1.260278235	-0.640141405	103.5811806	49.21602607	1.053491649	24.04067942	24.10347517	34.62393313
Proj00015-3UG-PAS	32.61740358	0.018598251	-1.076341603	0.379066964	-22.35528137	277.041724	143.3651653	2.78833051	76.6021311	76.62072935	106.6875045
Proj00015-3UG-PAS	52.77264367	0.018598251	-1.076341603	0.602931173	-36.40661911	420.9085836	208.8475739	2.78833051	76.6021311	76.62072935	106.9113687
Proj00015-3UG-PAS	32.61740358	0.018598251	-1.076341603	0.379066964	-22.35528137	255.9771395	126.4088927	2.78833051	76.6021311	76.62072935	106.6875045
Proj00015-3UG-UGAS	26.75317169	0.008251537	-1.076341603	0.171413758	-22.22178767	252.8178234	131.2507926	3.059524	72.5486569	72.55690843	100.8544398
Proj00015-3UG-UGAS	43.57854913	0.008251537	-1.076341603	0.279217832	-36.19732424	388.1122239	192.9995905	3.059524	72.5486569	72.55690843	100.9622439
Proj00015-3UG-UGAS	26.75317169	0.008251537	-1.076341603	0.171413758	-22.22178767	232.8128305	115.2401755	3.059524	72.5486569	72.55690843	100.8544398
Proj00016-3UG-ALT1	33.17276127	0.070720887	0	1.419331568	0	85.26761511	24.68316588	0.904287	23.2401759	23.31089679	33.67204768
Proj00016-3UG-ALT1	51.71346005	0.070720887	0	2.212614837	0	132.937834	36.98586218	0.904287	23.2401759	23.31089679	34.46533095
Proj00016-3UG-ALT1	33.17276127	0.070720887	0	1.419331568	0	82.76808758	23.01458624	0.904287	23.2401759	23.31089679	33.67204768
Proj00016-3UG-PAS	33.23598467	0.067605659	-0.071226243	1.357329641	-1.479622348	90.88412602	26.26801566	1.057526328	27.66488874	27.7324944	39.75066223
Proj00016-3UG-PAS	51.94259394	0.067605659	-0.071226243	2.117031284	-2.410173773	142.477144	39.5643808	1.057526328	27.66488874	27.7324944	40.51036388
Proj00016-3UG-PAS	33.23598467	0.067605659	-0.071226243	1.357329641	-1.479622348	88.19964884	24.47951093	1.057526328	27.66488874	27.7324944	39.75066223
Proj00016-3UG-UGAS	1.865392901	0.000737271	-0.071226243	0.015315747	-1.479622348	10.24882637	2.925806844	3.059524	5.69071464	5.691451911	7.912889524
Proj00016-3UG-UGAS	3.038559955	0.000737271	-0.071226243	0.024947995	-2.410173773	16.76139527	4.587841624	3.059524	5.69071464	5.691451911	7.922521772
Proj00016-3UG-UGAS	1.865392901	0.000737271	-0.071226243	0.015315747	-1.479622348	9.928085428	2.715233185	3.059524	5.69071464	5.691451911	7.912889524
Proj00017-3UG-ALT1	20.25935803	0.019950438	0	0.400394948	0	117.4780395	111.405436	1.0526	7.63135	7.651300438	10.99118248
Proj00017-3UG-ALT1	31.58258349	0.019950438	0	0.624181004	0	169.1310558	159.6436155	1.0526	7.63135	7.651300438	11.21496853
Proj00017-3UG-ALT1	20.25935803	0.019950438	0	0.400394948	0	100.9890464	94.99673026	1.0526	7.63135	7.651300438	10.99118248
Proj00017-3UG-PAS	20.54659316	0.013189169	-0.337362116	0.265616107	-7.008210856	169.9126176	157.2239916	1.981679901	15.97234	15.98552917	22.43202956
Proj00017-3UG-PAS	32.62357932	0.013189169	-0.337362116	0.415964945	-11.41575485	251.1106766	231.4826599	1.981679901	15.97234	15.98552917	22.5823784
Proj00017-3UG-PAS	20.54659316	0.013189169	-0.337362116	0.265616107	-7.008210856	144.769643	132.7496464	1.981679901	15.97234	15.98552917	22.43202956
Proj00017-3UG-UGAS	8.474810168	0.00130146	-0.337362116	0.027035945	-7.008210856	99.91190995	90.84171799	3.059	11.44066	11.44196146	15.90438389
Proj00017-3UG-UGAS	13.80471578	0.00130146	-0.337362116	0.04403916	-11.41575485	150.3318957	136.3570849	3.059	11.44066	11.44196146	15.92138711
Proj00017-3UG-UGAS	8.474810168	0.00130146	-0.337362116	0.027035945	-7.008210856	84.59410089	76.14469811	3.059	11.44066	11.44196146	15.90438389
Proj00018-3UG-ALT1	6.677256861	0.006466692	-0.002992001	0.129783154	-5.31E-02	10.88144051	9.543585945	0.905936782	2.128951438	2.13541813	3.084341959
Proj00018-3UG-ALT1	10.41301018	0.006466692	-0.002992001	0.202320682	-8.28E-02	15.24200588	13.14732959	0.905936782	2.128951438	2.13541813	3.156879488
Proj00018-3UG-ALT1	6.677256861	0.006466692	-0.002992001	0.129783154	-5.31E-02	9.647613079	8.327547153	0.905936782	2.128951438	2.13541813	3.084341959
Proj00018-3UG-PAS	6.968964012	0.00085604	-0.278821248	0.017782996	-5.772505677	65.49198666	48.53771479	3.069976705	7.552142695	7.552998735	10.49864663
Proj00018-3UG-PAS	11.35182565	0.00085604	-0.278821248	0.028966926	-9.402900555	93.29913782	68.71529326	3.069976705	7.552142695	7.552998735	10.50983056
Proj00018-3UG-PAS	6.968964012	0.00085604	-0.278821248	0.017782996	-5.772505677	56.8016909	41.83884137	3.069976705	7.552142695	7.552998735	10.49864663
Proj00018-3UG-UGAS	6.968964012	0.00085604	-0.278821248	0.017782996	-5.772505677	65.49198666	48.53771479	3.069976705	7.552142695	7.552998735	10.49864663
Proj00018-3UG-UGAS	11.35182565	0.00085604	-0.278821248	0.028966926	-9.402900555	93.29913782	68.71529326	3.069976705	7.552142695	7.552998735	10.50983056
Proj00018-3UG-UGAS	6.968964012	0.00085604	-0.278821248	0.017782996	-5.772505677	56.8016909	41.83884137	3.069976705	7.552142695	7.552998735	10.49864663
Proj00019-3UG-ALT1	26.09871514	0.023472734	0	0.471085603	0	63.36284826	53.76748096	1.065773	9.09104369	9.114516424	13.08763604

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rru_id	total_om_costs_nbb_pv	incremental_om_costs	incremental_om_savings	incremental_om_cost_pv	incremental_om_savings_pv	total_mitigation_benefit_scaled	total_mitigation_benefit_unscaled	average_unit_cost_per_mile	total_capex	total_project_costs	present_value_project_costs
Proj00019-3UG-ALT1	40.68563517	0.023472734	0	0.734381605	0.00E+00	92.68587544	77.70753972	1.065773	9.09104369	9.114516424	13.35093204
Proj00019-3UG-ALT1	26.09871514	0.023472734	0	0.471085603	0	55.39106737	45.92229564	1.065773	9.09104369	9.114516424	13.08763604
Proj00019-3UG-PAS	27.01430587	0.003904381	-1.094884654	0.081107875	-22.74464781	141.8464688	115.8631107	3.74	41.9628	41.96670438	58.31708172
Proj00019-3UG-PAS	44.0039136	0.003904381	-1.094884654	0.132117546	-37.04901707	216.482914	175.1207645	3.74	41.9628	41.96670438	58.36809139
Proj00019-3UG-PAS	27.01430587	0.003904381	-1.094884654	0.081107875	-22.74464781	122.3187897	97.39515709	3.74	41.9628	41.96670438	58.31708172
Proj00019-3UG-UGAS	27.01430587	0.003904381	-1.094884654	0.081107875	-22.74464781	141.8464688	115.8631107	3.74	41.9628	41.96670438	58.31708172
Proj00019-3UG-UGAS	44.0039136	0.003904381	-1.094884654	0.132117546	-37.04901707	216.482914	175.1207645	3.74	41.9628	41.96670438	58.36809139
Proj00019-3UG-UGAS	27.01430587	0.003904381	-1.094884654	0.081107875	-22.74464781	122.3187897	97.39515709	3.74	41.9628	41.96670438	58.31708172
Proj00020-3UG-ALT1	20.86046898	0.01348376	0	0.270612075	0	8.805767919	5.155405232	1.04	5.096	5.10948376	7.342840875
Proj00020-3UG-ALT1	32.51966336	0.01348376	0	0.421860758	0	12.98517758	7.321760889	1.04	5.096	5.10948376	7.494089558
Proj00020-3UG-ALT1	20.86046898	0.01348376	0	0.270612075	0	8.151135776	4.548166439	1.04	5.096	5.10948376	7.342840875
Proj00020-3UG-PAS	21.59229244	0.001910434	-0.945279517	0.0396865	-19.6368171	19.78988217	10.32446295	3.059	16.79391	16.79582043	23.3462748
Proj00020-3UG-PAS	35.17193355	0.001910434	-0.945279517	0.064645794	-31.98663606	30.85302874	15.416051	3.059	16.79391	16.79582043	23.37123409
Proj00020-3UG-PAS	21.59229244	0.001910434	-0.945279517	0.0396865	-19.6368171	18.38476524	9.055013711	3.059	16.79391	16.79582043	23.3462748
Proj00020-3UG-UGAS	21.59229244	0.001910434	-0.945279517	0.0396865	-19.6368171	19.78988217	10.32446295	3.059	16.79391	16.79582043	23.3462748
Proj00020-3UG-UGAS	35.17193355	0.001910434	-0.945279517	0.064645794	-31.98663606	30.85302874	15.416051	3.059	16.79391	16.79582043	23.37123409
Proj00020-3UG-UGAS	21.59229244	0.001910434	-0.945279517	0.0396865	-19.6368171	18.38476524	9.055013711	3.059	16.79391	16.79582043	23.3462748
Proj00021-3UG-ALT1	32.6167373	0.055008194	-0.01210104	1.103985947	-0.242905998	66.6173653	20.68223014	0.917864176	18.34810487	18.40311306	26.56748589
Proj00021-3UG-ALT1	50.86426312	0.055008194	-0.01210104	1.721018359	-3.79E-01	101.8282489	30.33630357	0.917864176	18.34810487	18.40311306	27.1845183
Proj00021-3UG-ALT1	32.6167373	0.055008194	-0.01210104	1.103985947	-0.242905998	64.5438404	19.20874511	0.917864176	18.34810487	18.40311306	26.56748589
Proj00021-3UG-PAS	33.75217326	0.008142826	-1.389614375	0.169155443	-28.8672125	155.3729858	50.24364938	2.469675513	57.790407	57.79854983	80.37068228
Proj00021-3UG-PAS	54.9793033	0.008142826	-1.389614375	0.275539236	-47.02213275	249.2066867	76.87264824	2.469675513	57.790407	57.79854983	80.47706607
Proj00021-3UG-PAS	33.75217326	0.008142826	-1.389614375	0.169155443	-28.8672125	149.3402667	46.05183791	2.469675513	57.790407	57.79854983	80.37068228
Proj00021-3UG-UGAS	33.75217326	0.008142826	-1.389614375	0.169155443	-28.8672125	155.3729858	50.24364938	2.469675513	57.790407	57.79854983	80.37068228
Proj00021-3UG-UGAS	54.9793033	0.008142826	-1.389614375	0.275539236	-47.02213275	249.2066867	76.87264824	2.469675513	57.790407	57.79854983	80.47706607
Proj00021-3UG-UGAS	33.75217326	0.008142826	-1.389614375	0.169155443	-28.8672125	149.3402667	46.05183791	2.469675513	57.790407	57.79854983	80.37068228
Proj00022-3UG-ALT1	3.086756458	0.006631803	0	0.133096859	0.00E+00	8.943055416	2.58878284	0.783822	1.88901102	1.895642823	2.754666352
Proj00022-3UG-ALT1	4.811985818	0.006631803	0	0.207486461	0.00E+00	13.67415866	3.810089987	0.783822	1.88901102	1.895642823	2.829055955
Proj00022-3UG-ALT1	3.086756458	0.006631803	0	0.133096859	0.00E+00	8.693263057	2.421863029	0.783822	1.88901102	1.895642823	2.754666352
Proj00022-3UG-PAS	3.099337761	0.005958739	-0.014098027	0.119657405	-0.292866154	10.24343237	2.949658134	0.987735776	2.38044322	2.386401959	3.423236506
Proj00022-3UG-PAS	4.8575829	0.005958739	-0.014098027	0.186677201	-0.47705303	15.82789575	4.384276836	0.987735776	2.38044322	2.386401959	3.490256302
Proj00022-3UG-PAS	3.099337761	0.005958739	-0.014098027	0.119657405	-0.292866154	9.954133805	2.757541376	0.987735776	2.38044322	2.386401959	3.423236506
Proj00022-3UG-UGAS	0.371208609	9.74E-05	-0.014098027	0.002024082	-0.292866154	2.339404136	0.661646744	2.538937	0.71090236	0.710999796	0.988614377
Proj00022-3UG-UGAS	0.604665974	9.74E-05	-0.014098027	0.003297051	-0.47705303	3.742436018	1.016852908	2.538937	0.71090236	0.710999796	0.989887346
Proj00022-3UG-UGAS	0.371208609	9.74E-05	-0.014098027	0.002024082	-0.292866154	2.270876415	0.617056624	2.538937	0.71090236	0.710999796	0.988614377
Proj00023-3UG-ALT1	67.16105298	0.067996629	0	1.36465712	0	152.7471779	97.62581084	1.049	25.92079	25.98878663	37.33752948
Proj00023-3UG-ALT1	104.6982614	0.067996629	0	2.127382114	0	226.5025941	140.5053243	1.049	25.92079	25.98878663	38.10025448
Proj00023-3UG-ALT1	67.16105298	0.067996629	0	1.36465712	0	139.4509891	85.05624372	1.049	25.92079	25.98878663	37.33752948
Proj00023-3UG-PAS	69.49811276	0.012173024	-3.060005643	0.252489504	-63.567199	342.5363424	206.300128	3.045321429	102.3228	102.334973	142.2560713
Proj00023-3UG-PAS	113.1682194	0.012173024	-3.060005643	0.410509886	-103.5453378	533.7968748	311.333704	3.045321429	102.3228	102.334973	142.4140917
Proj00023-3UG-PAS	69.49811276	0.012173024	-3.060005643	0.252489504	-63.567199	311.4856088	177.6725824	3.045321429	102.3228	102.334973	142.2560713
Proj00023-3UG-UGAS	68.95444164	0.011622667	-3.060005643	0.241444121	-63.567199	341.2998486	205.5098436	3.059	102.1706	102.1822227	142.0338028
Proj00023-3UG-UGAS	112.3206832	0.011622667	-3.060005643	0.393291091	-103.5453378	531.9633282	310.1963084	3.059	102.1706	102.1822227	142.1856498
Proj00023-3UG-UGAS	68.95444164	0.011622667	-3.060005643	0.241444121	-63.567199	310.3567481	176.9840491	3.059	102.1706	102.1822227	142.0338028
Proj00024-3UG-ALT1	4.904725402	0.003137037	0	0.062958713	0	1.529617387	0.705462121	0.912275	1.0399935	1.043130537	1.506261692
Proj00024-3UG-ALT1	7.646041857	0.003137037	0	0.098147174	0.00E+00	2.343001207	1.022384957	0.912275	1.0399935	1.043130537	1.541450153
Proj00024-3UG-ALT1	4.904725402	0.003137037	0	0.062958713	0	1.444153496	0.631585734	0.912275	1.0399935	1.043130537	1.506261692
Proj00024-3UG-PAS	5.076792153	0.000428021	-0.218223379	0.008891509	-4.533275606	6.002537825	3.200523507	2.549712	3.13614576	3.136573781	4.361234595
Proj00024-3UG-PAS	8.269645142	0.000428021	-0.218223379	0.014483481	-7.384304503	9.281381625	4.734106145	2.549712	3.13614576	3.136573781	4.366826566
Proj00024-3UG-PAS	5.076792153	0.000428021	-0.218223379	0.008891509	-4.533275606	5.441874881	2.787145882	2.549712	3.13614576	3.136573781	4.361234595
Proj00024-3UG-UGAS	5.076792153	0.000428021	-0.218223379	0.008891509	-4.533275606	6.002537825	3.200523507	2.549712	3.13614576	3.136573781	4.361234595
Proj00024-3UG-UGAS	8.269645142	0.000428021	-0.218223379	0.014483481	-7.384304503	9.281381625	4.734106145	2.549712	3.13614576	3.136573781	4.366826566
Proj00024-3UG-UGAS	5.076792153	0.000428021	-0.218223379	0.008891509	-4.533275606	5.441874881	2.787145882	2.549712	3.13614576	3.136573781	4.361234595
Proj00025-3UG-ALT1	10.72214285	0.007815079	0	0.156844592	0	12.74855189	5.020716099	1.487546	4.22463064	4.232445719	6.019786995
Proj00025-3UG-ALT1	16.71489152	0.007815079	0	0.244507119	0	19.1470489	7.20092073	1.487546	4.22463064	4.232445719	6.107449521
Proj00025-3UG-ALT1	10.72214285	0.007815079	0	0.156844592	0	12.19703132	4.56878028	1.487546	4.22463064	4.232445719	6.019786995
Proj00025-3UG-PAS	11.09829526	0.001245784	-0.465820254	0.025879364	-9.676743191	25.51805723	9.203164144	3.740208	13.38994464	13.39119042	18.60844454
Proj00025-3UG-PAS	18.07814082	0.001245784	-0.465820254	0.042155193	-15.7625577	40.25453014	13.82755036	3.740208	13.38994464	13.39119042	18.62472036
Proj00025-3UG-PAS	11.09829526	0.001245784	-0.465820254	0.025879364	-9.676743191	24.45394237	8.369801423	3.740208	13.38994464	13.39119042	18.60844454
Proj00025-3UG-UGAS	11.09829526	0.001245784	-0.465820254	0.025879364	-9.676743191	25.51805723	9.203164144	3.740208	13.38994464	13.39119042	18.60844454
Proj00025-3UG-UGAS	18.07814082	0.001245784	-0.465820254	0.042155193	-15.7625577	40.25453014	13.82755036	3.740208	13.38994464	13.39119042	18.62472036
Proj00025-3UG-UGAS	11.09829526	0.001245784	-0.465820254	0.025879364	-9.676743191	24.45394237	8.369801423	3.740208	13.38994464	13.39119042	18.60844454
Proj00026-3UG-ALT1	14.37077871	0.009328548	0	0.187219129	0	4.220899449	1.593467557	1.049	3.55611	3.565438548	5.122388587
Proj00026-3UG-ALT1	22.40279862	0.009328548	0	0.291858387	0	6.391936769	2.299670609	1.049	3.55611	3.565438548	5.227027845
Proj00026-3UG-ALT1	14.37077871	0.009328548	0	0.187219129	0	4.047574343	1.454638221	1.049	3.55611	3.565438548	5.122388587
Proj00026-3UG-PAS	14.87493195	0.001144867	-0.652841282	0.023782954	-13.56158791	10.50410761	3.589635965	3.070367781	10.10151	10.10265487	14.04265853
Proj00026-3UG-PAS	24.22994777	0.001144867	-0.652841282	0.038740325	-22.09062575	16.56362635	5.392724756	3.070367781	10.10151	10.10265487	14.0576159
Proj00026-3UG-PAS	14.87493195	0.001144867	-0.652841282	0.023782954	-13.56158791	10.10595088	3.28829392	3.070367781	10.10151	10.10265487	14.04265853
Proj00026-3UG-UGAS	14.87493195	0.001144867	-0.652841282	0.023782954	-13.56158791	10.50410761	3.589635965	3.070367781	10.10151	10.10265487	14.04265853
Proj00026-3UG-UGAS	24.22994777	0.001144867	-0.652841282	0.038740325	-22.09062575	16.56362635	5.392724756	3.070367781	10.10151	10.10265487	14.0576159
Proj00026-3UG-UGAS	14.87493195	0.001144867	-0.652841282	0.023782954	-13.56158791	10.10595088	3.28829392	3.070367781	10.10151	10.10265487	14.04265853
Proj00027-3UG-ALT1	4.657922912	0.003632351	0	0.0728994	0	27.28203869	17.72958056	0.575159	0.75920988	0.762842231	1.126530871
Proj00027-3UG-ALT1	7.261298162	0.003632351	0	0.113643842	0.00E+00	40.1235439	25.08450676	0.575159	0.75920988	0.762842231	1.167275314
Proj00027-3UG-ALT1	4.657922912	0.003632351	0	0.0728994	0	24.98984564	15.56607837	0.575159	0.75920988	0.762842231	1.126530871
Proj00027-3UG-PAS	4.821331379	0.000455858	-0.213161893	0.009469797	-4.428130546	119.5819231	79.64422346	2.467274	3.23212894	3.232584798	4.49501834
Proj00027-3UG-PAS	7.853522148	0.000455858	-0.213161893	0.015425461	-7.213032513	177.0681816	115.276196	2.467274	3.23212894	3.232584798	4.500974004
Proj00027-3UG-PAS	4.821331379	0.000455858	-0.213161893	0.009469797	-4.428130546	105.6505656	68.68670704	2.467274	3.23212894	3.232584798	4.49501834
Proj00027-3UG-UGAS	4.821331379	0.000455858	-0.213161893	0.009469797	-4.428130546	119.5819231	79.64422346	2.467274	3.23212894	3.232584798	4.49501834
Proj00027-3UG-UGAS	7.853522148	0.000455858	-0.213161893	0.015425461	-7.213032513	177.0681816	115.276196	2.467274	3.23212894	3.232584798	4.500974004
Proj00027-3UG-UGAS	4.821331379	0.000455858	-0.213161893	0.009469797	-4.428130546	105.6505656	68.68670704	2.467274	3.23212894	3.232584798	4.49501834
Proj00028-3UG-ALT1	14.45840625	0.008805717	0	0.176726172	0	15.17891349	12.56135864	1.049	3.3568	3.365605717	4.835293212
Proj00028-3UG-ALT1	22.53940237	0.008805717	0	0.275500778	0.00E+00	21.46038302	17.34465202	1.049	3.3568	3.365605717	4.934067818
Proj00028-3UG-ALT1	14.45840625	0.008805717	0	0.176726172	0	13.56389784	10.98152036	1.049	3.3568	3.365605717	4.835293212
Proj00028-3UG-PAS	14.87838029	0.002515677	-0.565349738	0.051193949	-11.74432453	96.57414124	68.30396801	2.736696793	9.38687	9.389385677	13.07829214
Proj00028-3UG-PAS	24.06146979	0.002515677	-0.565349738	0.081264229	-19.1304646	139.2905722	97.45880159	2.736696793	9.38687	9.389385677	13.10836241
Proj00028-3UG-PAS	14.87838029	0.002515677	-0.565349738	0.051193949	-11.74432453	83.90060194	58.77367471	2.736696793	9.38687	9.389385677	13.07829214
Proj00028-3UG-UGAS	12.3912432	0.001002194	-0.565349738	0.020819138	-11.74432453	93.96306239	66.14316131	3.059	8.80992	8.810922194	12.24722611
Proj00028-3UG-UGAS	20.1842386	0.001002194	-0.565349738	0.033912532	-19.1304646	135.598954	94.47517209	3.059	8.80992	8.810922194	12.26031951
Proj00028-3UG-UGAS	12.3912432	0.001002194	-0.565349738	0.020819138	-11.74432453	81.56733831	56.88463202	3.059	8.80992	8.810922194	12.24722611

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

rru_id	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
Proj00001-3UG-ALT1	3.382626698	2.172198699						WBCA_v1c0	10/30/2026	10/16/2026
Proj00001-3UG-ALT1	5.374957738	3.327677349						WBCA_v1c0	10/30/2026	10/16/2026
Proj00001-3UG-ALT1	3.120917891	1.925619367						WBCA_v1c0	10/30/2026	10/16/2026
Proj00001-3UG-PAS	-17.87607651	-12.19569106						WBCA_v1c0	10/30/2026	10/16/2026
Proj00001-3UG-PAS	-8.628000488	-5.833829331						WBCA_v1c0	10/30/2026	10/16/2026
Proj00001-3UG-PAS	-15.64126101	-10.57618225						WBCA_v1c0	10/30/2026	10/16/2026
Proj00001-3UG-UGAS	-17.87607651	-12.19569106	132.9105814	15.45556846	-17.87607651			WBCA_v1c0	10/30/2026	10/16/2026
Proj00001-3UG-UGAS	-8.628000488	-5.833829331	188.2182487	15.47207157	-8.628000488			WBCA_v1c0	10/30/2026	10/16/2026
Proj00001-3UG-UGAS	-15.64126101	-10.57618225	116.2944841	15.45556846	-15.64126101			WBCA_v1c0	10/30/2026	10/16/2026
Proj00002-3UG-ALT1	8.858891932	8.468899222						WBCA_v1c0	10/30/2026	10/16/2026
Proj00002-3UG-ALT1	12.07404556	11.47589278						WBCA_v1c0	10/30/2026	10/16/2026
Proj00002-3UG-ALT1	7.716106394	7.33134845						WBCA_v1c0	10/30/2026	10/16/2026
Proj00002-3UG-PAS	10.02249475	9.467479009						WBCA_v1c0	10/30/2026	10/16/2026
Proj00002-3UG-PAS	43.23257393	40.52304894						WBCA_v1c0	10/30/2026	10/16/2026
Proj00002-3UG-PAS	8.631804238	8.084943048						WBCA_v1c0	10/30/2026	10/16/2026
Proj00002-3UG-UGAS	10.02249475	9.467479009	53.03112106	10.89085868	10.02249475			WBCA_v1c0	10/30/2026	10/16/2026
Proj00002-3UG-UGAS	43.23257393	40.52304894	77.07430896	10.90411596	43.23257393			WBCA_v1c0	10/30/2026	10/16/2026
Proj00002-3UG-UGAS	8.631804238	8.084943048	45.672686	10.89085868	8.631804238			WBCA_v1c0	10/30/2026	10/16/2026
Proj00003-3UG-ALT1	4.476031543	3.962043717						WBCA_v1c0	10/30/2026	10/16/2026
Proj00003-3UG-ALT1	6.242564066	5.460985416						WBCA_v1c0	10/30/2026	10/16/2026
Proj00003-3UG-ALT1	3.922717172	3.415474088						WBCA_v1c0	10/30/2026	10/16/2026
Proj00003-3UG-PAS	8.123494488	6.430676908						WBCA_v1c0	10/30/2026	10/16/2026
Proj00003-3UG-PAS	53.38180705	42.04093713						WBCA_v1c0	10/30/2026	10/16/2026
Proj00003-3UG-PAS	7.017135363	5.48870456						WBCA_v1c0	10/30/2026	10/16/2026
Proj00003-3UG-UGAS	8.123494488	6.430676908	177.5998674	48.99728187	8.123494488			WBCA_v1c0	10/30/2026	10/16/2026
Proj00003-3UG-UGAS	53.38180705	42.04093713	258.8745883	49.04965544	53.38180705			WBCA_v1c0	10/30/2026	10/16/2026
Proj00003-3UG-UGAS	7.017135363	5.48870456	153.4120952	48.99728187	7.017135363			WBCA_v1c0	10/30/2026	10/16/2026
Proj00004-3UG-ALT1	4.753384682	2.226167112						WBCA_v1c0	10/30/2026	10/16/2026
Proj00004-3UG-ALT1	6.798240133	3.020129346						WBCA_v1c0	10/30/2026	10/16/2026
Proj00004-3UG-ALT1	4.505811197	2.011223234						WBCA_v1c0	10/30/2026	10/16/2026
Proj00004-3UG-PAS	6.465067129	2.868165933						WBCA_v1c0	10/30/2026	10/16/2026
Proj00004-3UG-PAS	141.7810266	59.36124038						WBCA_v1c0	10/30/2026	10/16/2026
Proj00004-3UG-PAS	6.120390026	2.577288994						WBCA_v1c0	10/30/2026	10/16/2026
Proj00004-3UG-UGAS	6.465067129	2.868165933	4.288551256	1.64702961	6.465067129			WBCA_v1c0	10/30/2026	10/16/2026
Proj00004-3UG-UGAS	141.7810266	59.36124038	6.645552173	1.649211831	141.7810266			WBCA_v1c0	10/30/2026	10/16/2026
Proj00004-3UG-UGAS	6.120390026	2.577288994	4.059912421	1.64702961	6.120390026			WBCA_v1c0	10/30/2026	10/16/2026
Proj00005-3UG-ALT1	0.566852243	0.228795945						WBCA_v1c0	10/30/2026	10/16/2026
Proj00005-3UG-ALT1	0.835588878	0.320907449						WBCA_v1c0	10/30/2026	10/16/2026
Proj00005-3UG-ALT1	0.541663251	0.20801896						WBCA_v1c0	10/30/2026	10/16/2026
Proj00005-3UG-PAS	-7.067477065	-3.545642282						WBCA_v1c0	10/30/2026	10/16/2026
Proj00005-3UG-PAS	-1.545734432	-0.743194947						WBCA_v1c0	10/30/2026	10/16/2026
Proj00005-3UG-PAS	-6.488484923	-3.125731318						WBCA_v1c0	10/30/2026	10/16/2026
Proj00005-3UG-UGAS	-7.067477065	-3.545642282	18.95904526	22.61234423	-7.067477065			WBCA_v1c0	10/30/2026	10/16/2026
Proj00005-3UG-UGAS	-1.545734432	-0.743194947	28.69019489	22.64230444	-1.545734432			WBCA_v1c0	10/30/2026	10/16/2026
Proj00005-3UG-UGAS	-6.488484923	-3.125731318	17.40585477	22.61234423	-6.488484923			WBCA_v1c0	10/30/2026	10/16/2026
Proj00006-3UG-ALT1	7.680943113	6.395957176						WBCA_v1c0	10/30/2026	10/16/2026
Proj00006-3UG-ALT1	10.63475459	8.671257895						WBCA_v1c0	10/30/2026	10/16/2026
Proj00006-3UG-ALT1	6.853172231	5.585093876						WBCA_v1c0	10/30/2026	10/16/2026
Proj00006-3UG-PAS	14.7728216	11.59450806						WBCA_v1c0	10/30/2026	10/16/2026
Proj00006-3UG-PAS	34.38238693	26.5848009						WBCA_v1c0	10/30/2026	10/16/2026
Proj00006-3UG-PAS	13.36882918	10.36024046						WBCA_v1c0	10/30/2026	10/16/2026
Proj00006-3UG-UGAS	14.45857348	11.08692372	19.63197458	2.467260175	14.45857348			WBCA_v1c0	10/30/2026	10/16/2026
Proj00006-3UG-UGAS	43.03852706	32.50820069	28.52156761	2.469897034	43.03852706			WBCA_v1c0	10/30/2026	10/16/2026
Proj00006-3UG-UGAS	12.65421061	9.550658816	17.18199526	2.467260175	12.65421061			WBCA_v1c0	10/30/2026	10/16/2026
Proj00007-3UG-ALT1	2.671073457	0.814057381						WBCA_v1c0	10/30/2026	10/16/2026
Proj00007-3UG-ALT1	4.119801477	1.19982261						WBCA_v1c0	10/30/2026	10/16/2026
Proj00007-3UG-ALT1	2.584471768	0.753861163						WBCA_v1c0	10/30/2026	10/16/2026
Proj00007-3UG-PAS	2.84860771	0.922546542						WBCA_v1c0	10/30/2026	10/16/2026
Proj00007-3UG-PAS	4.775209803	1.473319233						WBCA_v1c0	10/30/2026	10/16/2026
Proj00007-3UG-PAS	2.73777597	0.845953989						WBCA_v1c0	10/30/2026	10/16/2026
Proj00007-3UG-UGAS	3.351936617	1.231434111	10.79478867	4.550184704	3.351936617			WBCA_v1c0	10/30/2026	10/16/2026
Proj00007-3UG-UGAS	7.34924869	2.548903027	17.55772758	4.555049265	7.34924869			WBCA_v1c0	10/30/2026	10/16/2026
Proj00007-3UG-UGAS	3.171965373	1.108057805	10.21519789	4.550184704	3.171965373			WBCA_v1c0	10/30/2026	10/16/2026
Proj00008-3UG-ALT1	2.664742185	0.901825436						WBCA_v1c0	10/30/2026	10/16/2026
Proj00008-3UG-ALT1	3.872619719	1.263553364						WBCA_v1c0	10/30/2026	10/16/2026
Proj00008-3UG-ALT1	2.576447328	0.834454683						WBCA_v1c0	10/30/2026	10/16/2026
Proj00008-3UG-PAS	1.949770233	0.869253668						WBCA_v1c0	10/30/2026	10/16/2026
Proj00008-3UG-PAS	2.965101082	1.270430411						WBCA_v1c0	10/30/2026	10/16/2026
Proj00008-3UG-PAS	1.826962987	0.781289477						WBCA_v1c0	10/30/2026	10/16/2026
Proj00008-3UG-UGAS	1.735785556	0.831060777	103.2671201	63.40086652	1.735785556			WBCA_v1c0	10/30/2026	10/16/2026
Proj00008-3UG-UGAS	2.687591429	1.235927583	153.4697903	63.46863619	2.687591429			WBCA_v1c0	10/30/2026	10/16/2026
Proj00008-3UG-UGAS	1.605803325	0.738847794	95.53408497	63.40086652	1.605803325			WBCA_v1c0	10/30/2026	10/16/2026
Proj00009-3UG-ALT1	3.442275415	2.606060397						WBCA_v1c0	10/30/2026	10/16/2026
Proj00009-3UG-ALT1	4.954617904	3.674427711						WBCA_v1c0	10/30/2026	10/16/2026
Proj00009-3UG-ALT1	3.084711143	2.259181255						WBCA_v1c0	10/30/2026	10/16/2026
Proj00009-3UG-PAS	5.04007987	3.613260511						WBCA_v1c0	10/30/2026	10/16/2026
Proj00009-3UG-PAS	40.39738881	28.4796358						WBCA_v1c0	10/30/2026	10/16/2026
Proj00009-3UG-PAS	4.44797905	3.095373308						WBCA_v1c0	10/30/2026	10/16/2026
Proj00009-3UG-UGAS	4.965603674	3.555399496	79.49555797	36.96062319	4.965603674			WBCA_v1c0	10/30/2026	10/16/2026
Proj00009-3UG-UGAS	41.4535946	29.18740872	119.0624817	37.00013066	41.4535946			WBCA_v1c0	10/30/2026	10/16/2026
Proj00009-3UG-UGAS	4.37569315	3.040682773	70.0515368	36.96062319	4.37569315			WBCA_v1c0	10/30/2026	10/16/2026

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

rru_id	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
Proj00010-3UG-ALT1	4.497408194	3.984318451						WBCA_v1c0	10/30/2026	10/16/2026
Proj00010-3UG-ALT1	6.494996502	5.705193886						WBCA_v1c0	10/30/2026	10/16/2026
Proj00010-3UG-ALT1	3.879285665	3.37310993						WBCA_v1c0	10/30/2026	10/16/2026
Proj00010-3UG-PAS	3.344732182	2.915105128						WBCA_v1c0	10/30/2026	10/16/2026
Proj00010-3UG-PAS	6.27528382	5.419273426						WBCA_v1c0	10/30/2026	10/16/2026
Proj00010-3UG-PAS	2.845986101	2.422706995						WBCA_v1c0	10/30/2026	10/16/2026
Proj00010-3UG-UGAS	3.260575045	2.837713987	83.97096633	33.30283999	3.260575045			WBCA_v1c0	10/30/2026	10/16/2026
Proj00010-3UG-UGAS	6.230344601	5.372928645	131.0933315	33.33843762	6.230344601			WBCA_v1c0	10/30/2026	10/16/2026
Proj00010-3UG-UGAS	2.771091154	2.354519836	71.36508094	33.30283999	2.771091154			WBCA_v1c0	10/30/2026	10/16/2026
Proj00011-3UG-ALT1	6.434502514	6.039209196						WBCA_v1c0	10/30/2026	10/16/2026
Proj00011-3UG-ALT1	8.851599427	8.246834879						WBCA_v1c0	10/30/2026	10/16/2026
Proj00011-3UG-ALT1	5.612228418	5.222155814						WBCA_v1c0	10/30/2026	10/16/2026
Proj00011-3UG-PAS	24.17115033	19.44047563						WBCA_v1c0	10/30/2026	10/16/2026
Proj00011-3UG-PAS	-51.289457	-41.12861362						WBCA_v1c0	10/30/2026	10/16/2026
Proj00011-3UG-PAS	20.80776012	16.62572047						WBCA_v1c0	10/30/2026	10/16/2026
Proj00011-3UG-UGAS	24.17115033	19.44047563	167.4656272	25.4725293	24.17115033			WBCA_v1c0	10/30/2026	10/16/2026
Proj00011-3UG-UGAS	-51.289457	-41.12861362	241.4247643	25.49976173	-51.289457			WBCA_v1c0	10/30/2026	10/16/2026
Proj00011-3UG-UGAS	20.80776012	16.62572047	144.1629609	25.4725293	20.80776012			WBCA_v1c0	10/30/2026	10/16/2026
Proj00012-3UG-ALT1	2.840235347	2.132471067						WBCA_v1c0	10/30/2026	10/16/2026
Proj00012-3UG-ALT1	4.00236638	2.910045733						WBCA_v1c0	10/30/2026	10/16/2026
Proj00012-3UG-ALT1	2.566069227	1.867852508						WBCA_v1c0	10/30/2026	10/16/2026
Proj00012-3UG-PAS	4.940324909	3.442287502						WBCA_v1c0	10/30/2026	10/16/2026
Proj00012-3UG-PAS	11.21591364	7.671045311						WBCA_v1c0	10/30/2026	10/16/2026
Proj00012-3UG-PAS	4.335114609	2.967681112						WBCA_v1c0	10/30/2026	10/16/2026
Proj00012-3UG-UGAS	5.247172025	3.633666671	73.25675436	23.13364932	5.247172025			WBCA_v1c0	10/30/2026	10/16/2026
Proj00012-3UG-UGAS	13.0432189	8.877081574	107.1794334	23.15838128	13.0432189			WBCA_v1c0	10/30/2026	10/16/2026
Proj00012-3UG-UGAS	4.593592382	3.128378656	64.13200618	23.13364932	4.593592382			WBCA_v1c0	10/30/2026	10/16/2026
Proj00013-3UG-ALT1	4.058017802	3.681925037						WBCA_v1c0	10/30/2026	10/16/2026
Proj00013-3UG-ALT1	5.812998246	5.241597421						WBCA_v1c0	10/30/2026	10/16/2026
Proj00013-3UG-ALT1	3.499963845	3.128721853						WBCA_v1c0	10/30/2026	10/16/2026
Proj00013-3UG-PAS	3.945705109	3.50463674						WBCA_v1c0	10/30/2026	10/16/2026
Proj00013-3UG-PAS	9.244694842	8.155285486						WBCA_v1c0	10/30/2026	10/16/2026
Proj00013-3UG-PAS	3.356233709	2.921416947						WBCA_v1c0	10/30/2026	10/16/2026
Proj00013-3UG-UGAS	3.945287326	3.504214016	110.7406806	43.47247051	3.945287326			WBCA_v1c0	10/30/2026	10/16/2026
Proj00013-3UG-UGAS	9.246784403	8.157018444	170.4147453	43.52034321	9.246784403			WBCA_v1c0	10/30/2026	10/16/2026
Proj00013-3UG-UGAS	3.355848146	2.921029838	94.19565087	43.47247051	3.355848146			WBCA_v1c0	10/30/2026	10/16/2026
Proj00014-3UG-ALT1	4.914828179	3.358366622						WBCA_v1c0	10/30/2026	10/16/2026
Proj00014-3UG-ALT1	6.949383384	4.565633097						WBCA_v1c0	10/30/2026	10/16/2026
Proj00014-3UG-ALT1	4.495993814	2.960296503						WBCA_v1c0	10/30/2026	10/16/2026
Proj00014-3UG-PAS	12.44878523	8.214946208						WBCA_v1c0	10/30/2026	10/16/2026
Proj00014-3UG-PAS	-22.42018532	-14.1297324						WBCA_v1c0	10/30/2026	10/16/2026
Proj00014-3UG-PAS	11.34175566	7.170180212						WBCA_v1c0	10/30/2026	10/16/2026
Proj00014-3UG-UGAS	12.44878523	8.214946208	16.95373567	5.359077724	12.44878523			WBCA_v1c0	10/30/2026	10/16/2026
Proj00014-3UG-UGAS	-22.42018532	-14.1297324	25.6997506	5.364806096	-22.42018532			WBCA_v1c0	10/30/2026	10/16/2026
Proj00014-3UG-UGAS	11.34175566	7.170180212	15.44609565	5.359077724	11.34175566			WBCA_v1c0	10/30/2026	10/16/2026
Proj00015-3UG-ALT1	3.238255256	1.617636728						WBCA_v1c0	10/30/2026	10/16/2026
Proj00015-3UG-ALT1	4.727954721	2.264260668						WBCA_v1c0	10/30/2026	10/16/2026
Proj00015-3UG-ALT1	3.048961061	1.448697014						WBCA_v1c0	10/30/2026	10/16/2026
Proj00015-3UG-PAS	3.236228033	1.674702135						WBCA_v1c0	10/30/2026	10/16/2026
Proj00015-3UG-PAS	5.799870886	2.877795822						WBCA_v1c0	10/30/2026	10/16/2026
Proj00015-3UG-PAS	2.99016474	1.476629571						WBCA_v1c0	10/30/2026	10/16/2026
Proj00015-3UG-UGAS	3.139815258	1.630040303	252.8178234	100.8544398	3.139815258			WBCA_v1c0	10/30/2026	10/16/2026
Proj00015-3UG-UGAS	5.721062305	2.844957241	388.1122239	100.9622439	5.721062305			WBCA_v1c0	10/30/2026	10/16/2026
Proj00015-3UG-UGAS	2.891367656	1.431199971	232.8128305	100.8544398	2.891367656			WBCA_v1c0	10/30/2026	10/16/2026
Proj00016-3UG-ALT1	2.53190647	0.732933216						WBCA_v1c0	10/30/2026	10/16/2026
Proj00016-3UG-ALT1	3.856241393	1.072880522						WBCA_v1c0	10/30/2026	10/16/2026
Proj00016-3UG-ALT1	2.457686381	0.683387001						WBCA_v1c0	10/30/2026	10/16/2026
Proj00016-3UG-PAS	2.366819171	0.68407593						WBCA_v1c0	10/30/2026	10/16/2026
Proj00016-3UG-PAS	3.719149708	1.032768142						WBCA_v1c0	10/30/2026	10/16/2026
Proj00016-3UG-PAS	2.296909581	0.6374994						WBCA_v1c0	10/30/2026	10/16/2026
Proj00016-3UG-UGAS	1.561964811	0.445905431	10.24882637	7.912889524	1.561964811			WBCA_v1c0	10/30/2026	10/16/2026
Proj00016-3UG-UGAS	2.929688049	0.801898921	16.76139527	7.922521772	2.929688049			WBCA_v1c0	10/30/2026	10/16/2026
Proj00016-3UG-UGAS	1.513082525	0.413813108	9.928085428	7.912889524	1.513082525			WBCA_v1c0	10/30/2026	10/16/2026
Proj00017-3UG-ALT1	10.68838974	10.13589198						WBCA_v1c0	10/30/2026	10/16/2026
Proj00017-3UG-ALT1	15.0808324	14.23487011						WBCA_v1c0	10/30/2026	10/16/2026
Proj00017-3UG-ALT1	9.188187775	8.642994732						WBCA_v1c0	10/30/2026	10/16/2026
Proj00017-3UG-PAS	10.73408414	9.932491052						WBCA_v1c0	10/30/2026	10/16/2026
Proj00017-3UG-PAS	21.23188993	19.57230343						WBCA_v1c0	10/30/2026	10/16/2026
Proj00017-3UG-PAS	9.145698244	8.386345247						WBCA_v1c0	10/30/2026	10/16/2026
Proj00017-3UG-UGAS	10.74135047	9.766230383	99.91190995	15.90438389	10.74135047			WBCA_v1c0	10/30/2026	10/16/2026
Proj00017-3UG-UGAS	29.09990497	26.39478597	150.3318957	15.92138711	29.09990497			WBCA_v1c0	10/30/2026	10/16/2026
Proj00017-3UG-UGAS	9.094560259	8.186180101	84.59410089	15.90438389	9.094560259			WBCA_v1c0	10/30/2026	10/16/2026
Proj00018-3UG-ALT1	3.590245101	3.148830584						WBCA_v1c0	10/30/2026	10/16/2026
Proj00018-3UG-ALT1	4.965273364	4.282906459						WBCA_v1c0	10/30/2026	10/16/2026
Proj00018-3UG-ALT1	3.183153513	2.747608217						WBCA_v1c0	10/30/2026	10/16/2026
Proj00018-3UG-PAS	13.66943273	10.13075127						WBCA_v1c0	10/30/2026	10/16/2026
Proj00018-3UG-PAS	76.92959715	56.65904264						WBCA_v1c0	10/30/2026	10/16/2026
Proj00018-3UG-PAS	11.85560146	8.732568008						WBCA_v1c0	10/30/2026	10/16/2026
Proj00018-3UG-UGAS	13.66943273	10.13075127	65.49198666	10.49864663	13.66943273			WBCA_v1c0	10/30/2026	10/16/2026
Proj00018-3UG-UGAS	76.92959715	56.65904264	93.29913782	10.50983056	76.92959715			WBCA_v1c0	10/30/2026	10/16/2026
Proj00018-3UG-UGAS	11.85560146	8.732568008	56.8016909	10.49864663	11.85560146			WBCA_v1c0	10/30/2026	10/16/2026
Proj00019-3UG-ALT1	4.841428139	4.108265371						WBCA_v1c0	10/30/2026	10/16/2026

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

rru_id	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
Proj00019-3UG-ALT1	6.9422777	5.820383284						WBCA_v1c0	10/30/2026	10/16/2026
Proj00019-3UG-ALT1	4.232320352	3.508830497						WBCA_v1c0	10/30/2026	10/16/2026
Proj00019-3UG-PAS	3.84210948	3.13831398						WBCA_v1c0	10/30/2026	10/16/2026
Proj00019-3UG-PAS	9.207199205	7.448032431						WBCA_v1c0	10/30/2026	10/16/2026
Proj00019-3UG-PAS	3.313175051	2.638083694						WBCA_v1c0	10/30/2026	10/16/2026
Proj00019-3UG-UGAS	3.84210948	3.13831398	141.8464688	58.31708172	3.84210948			WBCA_v1c0	10/30/2026	10/16/2026
Proj00019-3UG-UGAS	9.207199205	7.448032431	216.482914	58.36809139	9.207199205			WBCA_v1c0	10/30/2026	10/16/2026
Proj00019-3UG-UGAS	3.313175051	2.638083694	122.3187897	58.31708172	3.313175051			WBCA_v1c0	10/30/2026	10/16/2026
Proj00020-3UG-ALT1	1.198877226	0.701891985						WBCA_v1c0	10/30/2026	10/16/2026
Proj00020-3UG-ALT1	1.731940196	0.976563617						WBCA_v1c0	10/30/2026	10/16/2026
Proj00020-3UG-ALT1	1.109751147	0.619218359						WBCA_v1c0	10/30/2026	10/16/2026
Proj00020-3UG-PAS	5.016266703	2.617006976						WBCA_v1c0	10/30/2026	10/16/2026
Proj00020-3UG-PAS	-3.748168292	-1.872813008						WBCA_v1c0	10/30/2026	10/16/2026
Proj00020-3UG-PAS	4.66010282	2.295231643						WBCA_v1c0	10/30/2026	10/16/2026
Proj00020-3UG-UGAS	5.016266703	2.617006976	19.78988217	23.3462748	5.016266703			WBCA_v1c0	10/30/2026	10/16/2026
Proj00020-3UG-UGAS	-3.748168292	-1.872813008	30.85302874	23.37123409	-3.748168292			WBCA_v1c0	10/30/2026	10/16/2026
Proj00020-3UG-UGAS	4.66010282	2.295231643	18.38476524	23.3462748	4.66010282			WBCA_v1c0	10/30/2026	10/16/2026
Proj00021-3UG-ALT1	2.531429606	0.785915346						WBCA_v1c0	10/30/2026	10/16/2026
Proj00021-3UG-ALT1	3.803103541	1.13300685						WBCA_v1c0	10/30/2026	10/16/2026
Proj00021-3UG-ALT1	2.452636602	0.729923584						WBCA_v1c0	10/30/2026	10/16/2026
Proj00021-3UG-PAS	2.968716735	0.960007056						WBCA_v1c0	10/30/2026	10/16/2026
Proj00021-3UG-PAS	7.158587374	2.208205472						WBCA_v1c0	10/30/2026	10/16/2026
Proj00021-3UG-PAS	2.853449374	0.879913977						WBCA_v1c0	10/30/2026	10/16/2026
Proj00021-3UG-UGAS	2.968716735	0.960007056	155.3729858	80.37068228	2.968716735			WBCA_v1c0	10/30/2026	10/16/2026
Proj00021-3UG-UGAS	7.158587374	2.208205472	249.2066867	80.47706607	7.158587374			WBCA_v1c0	10/30/2026	10/16/2026
Proj00021-3UG-UGAS	2.853449374	0.879913977	149.3402667	80.37068228	2.853449374			WBCA_v1c0	10/30/2026	10/16/2026
Proj00022-3UG-ALT1	3.246511296	0.939780907						WBCA_v1c0	10/30/2026	10/16/2026
Proj00022-3UG-ALT1	4.833470555	1.346770812						WBCA_v1c0	10/30/2026	10/16/2026
Proj00022-3UG-ALT1	3.155831581	0.879185615						WBCA_v1c0	10/30/2026	10/16/2026
Proj00022-3UG-PAS	3.272274907	0.942271296						WBCA_v1c0	10/30/2026	10/16/2026
Proj00022-3UG-PAS	5.252846999	1.45502193						WBCA_v1c0	10/30/2026	10/16/2026
Proj00022-3UG-PAS	3.179858186	0.880899402						WBCA_v1c0	10/30/2026	10/16/2026
Proj00022-3UG-UGAS	3.362429152	0.95098588	2.339404136	0.988614377	3.362429152			WBCA_v1c0	10/30/2026	10/16/2026
Proj00022-3UG-UGAS	7.297553875	1.982809814	3.742436018	0.989887346	7.297553875			WBCA_v1c0	10/30/2026	10/16/2026
Proj00022-3UG-UGAS	3.263934153	0.886896432	2.270876415	0.988614377	3.263934153			WBCA_v1c0	10/30/2026	10/16/2026
Proj00023-3UG-ALT1	4.089940288	2.614017112						WBCA_v1c0	10/30/2026	10/16/2026
Proj00023-3UG-ALT1	5.942596943	3.68634414						WBCA_v1c0	10/30/2026	10/16/2026
Proj00023-3UG-ALT1	3.733923117	2.277455876						WBCA_v1c0	10/30/2026	10/16/2026
Proj00023-3UG-PAS	4.247515763	2.558160805						WBCA_v1c0	10/30/2026	10/16/2026
Proj00023-3UG-PAS	12.69332353	7.403301926						WBCA_v1c0	10/30/2026	10/16/2026
Proj00023-3UG-PAS	3.862480763	2.203173798						WBCA_v1c0	10/30/2026	10/16/2026
Proj00023-3UG-UGAS	4.243879868	2.555404262	341.2998486	142.0338028	4.243879868			WBCA_v1c0	10/30/2026	10/16/2026
Proj00023-3UG-UGAS	12.7188141	7.416543534	531.9633282	142.1856498	12.7188141			WBCA_v1c0	10/30/2026	10/16/2026
Proj00023-3UG-UGAS	3.859119072	2.200701366	310.3567481	142.0338028	3.859119072			WBCA_v1c0	10/30/2026	10/16/2026
Proj00024-3UG-ALT1	1.015505736	0.46835296						WBCA_v1c0	10/30/2026	10/16/2026
Proj00024-3UG-ALT1	1.519998036	0.663261769						WBCA_v1c0	10/30/2026	10/16/2026
Proj00024-3UG-ALT1	0.958766664	0.419306776						WBCA_v1c0	10/30/2026	10/16/2026
Proj00024-3UG-PAS	-46.48385471	-24.78496163						WBCA_v1c0	10/30/2026	10/16/2026
Proj00024-3UG-PAS	-3.14881127	-1.606097819						WBCA_v1c0	10/30/2026	10/16/2026
Proj00024-3UG-PAS	-42.14206202	-21.5837514						WBCA_v1c0	10/30/2026	10/16/2026
Proj00024-3UG-UGAS	-46.48385471	-24.78496163	6.002537825	4.361234595	-46.48385471			WBCA_v1c0	10/30/2026	10/16/2026
Proj00024-3UG-UGAS	-3.14881127	-1.606097819	9.281381625	4.366826566	-3.14881127			WBCA_v1c0	10/30/2026	10/16/2026
Proj00024-3UG-UGAS	-42.14206202	-21.5837514	5.441874881	4.361234595	-42.14206202			WBCA_v1c0	10/30/2026	10/16/2026
Proj00025-3UG-ALT1	2.117774584	0.834035508						WBCA_v1c0	10/30/2026	10/16/2026
Proj00025-3UG-ALT1	3.135031871	1.179038927						WBCA_v1c0	10/30/2026	10/16/2026
Proj00025-3UG-ALT1	2.02615663	0.758960456						WBCA_v1c0	10/30/2026	10/16/2026
Proj00025-3UG-PAS	2.743255877	0.989363489						WBCA_v1c0	10/30/2026	10/16/2026
Proj00025-3UG-PAS	11.61573041	3.990037808						WBCA_v1c0	10/30/2026	10/16/2026
Proj00025-3UG-PAS	2.62886083	0.899774882						WBCA_v1c0	10/30/2026	10/16/2026
Proj00025-3UG-UGAS	2.743255877	0.989363489	25.51805723	18.60844454	2.743255877			WBCA_v1c0	10/30/2026	10/16/2026
Proj00025-3UG-UGAS	11.61573041	3.990037808	40.25453014	18.62472036	11.61573041			WBCA_v1c0	10/30/2026	10/16/2026
Proj00025-3UG-UGAS	2.62886083	0.899774882	24.45394237	18.60844454	2.62886083			WBCA_v1c0	10/30/2026	10/16/2026
Proj00026-3UG-ALT1	0.824010015	0.311079008						WBCA_v1c0	10/30/2026	10/16/2026
Proj00026-3UG-ALT1	1.222862583	0.439957597						WBCA_v1c0	10/30/2026	10/16/2026
Proj00026-3UG-ALT1	0.790173233	0.283976547						WBCA_v1c0	10/30/2026	10/16/2026
Proj00026-3UG-PAS	21.84605955	7.465593837						WBCA_v1c0	10/30/2026	10/16/2026
Proj00026-3UG-PAS	-2.061841873	-0.67128692						WBCA_v1c0	10/30/2026	10/16/2026
Proj00026-3UG-PAS	21.01798771	6.838873652						WBCA_v1c0	10/30/2026	10/16/2026
Proj00026-3UG-UGAS	21.84605955	7.465593837	10.50410761	14.04265853	21.84605955			WBCA_v1c0	10/30/2026	10/16/2026
Proj00026-3UG-UGAS	-2.061841873	-0.67128692	16.56362635	14.0576159	-2.061841873			WBCA_v1c0	10/30/2026	10/16/2026
Proj00026-3UG-UGAS	21.01798771	6.838873652	10.10595088	14.04265853	21.01798771			WBCA_v1c0	10/30/2026	10/16/2026
Proj00027-3UG-ALT1	24.21774646	15.7382112						WBCA_v1c0	10/30/2026	10/16/2026
Proj00027-3UG-ALT1	34.37367689	21.48979494						WBCA_v1c0	10/30/2026	10/16/2026
Proj00027-3UG-ALT1	22.18301033	13.81771148						WBCA_v1c0	10/30/2026	10/16/2026
Proj00027-3UG-PAS	1871.124768	1246.210759						WBCA_v1c0	10/30/2026	10/16/2026
Proj00027-3UG-PAS	-65.17261522	-42.42914282						WBCA_v1c0	10/30/2026	10/16/2026
Proj00027-3UG-PAS	1653.137739	1074.756079						WBCA_v1c0	10/30/2026	10/16/2026
Proj00027-3UG-UGAS	1871.124768	1246.210759	119.5819231	4.49501834	1871.124768			WBCA_v1c0	10/30/2026	10/16/2026
Proj00027-3UG-UGAS	-65.17261522	-42.42914282	177.0681816	4.509974004	-65.17261522			WBCA_v1c0	10/30/2026	10/16/2026
Proj00027-3UG-UGAS	1653.137739	1074.756079	105.6505656	4.49501834	1653.137739			WBCA_v1c0	10/30/2026	10/16/2026
Proj00028-3UG-ALT1	3.131285157	2.591305095						WBCA_v1c0	10/30/2026	10/16/2026
Proj00028-3UG-ALT1	4.332716201	3.501776028						WBCA_v1c0	10/30/2026	10/16/2026
Proj00028-3UG-ALT1	2.798120695	2.265397435						WBCA_v1c0	10/30/2026	10/16/2026
Proj00028-3UG-PAS	69.4362038	49.11012598						WBCA_v1c0	10/30/2026	10/16/2026
Proj00028-3UG-PAS	-23.49121603	-16.43632966						WBCA_v1c0	10/30/2026	10/16/2026
Proj00028-3UG-PAS	60.32400827	42.25790468						WBCA_v1c0	10/30/2026	10/16/2026
Proj00028-3UG-UGAS	167.861127	118.1620237	93.96306239	12.24722611	167.861127			WBCA_v1c0	10/30/2026	10/16/2026
Proj00028-3UG-UGAS	-20.00717093	-13.93949481	135.598954	12.26031951	-20.00717093			WBCA_v1c0	10/30/2026	10/16/2026
Proj00028-3UG-UGAS	145.7166783	101.6220438	81.56733831	12.24722611	145.7166783			WBCA_v1c0	10/30/2026	10/16/2026