Pacific Gas and Electric Company®

Justin Sadler
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November 2, 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, Supplemental Substantive Errata

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 a supplemental 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 30, 2026, Energy Safety staff notified PG&E via email of their approval of PG&E's request to submit this supplement to the substantive errata submitted to the EUP Docket on October 30, 2026. PG&E submitted the first substantive errata to the EUP Docket on October 12, 2026.

PG&E's supplemental 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. Supplemental Substantive Errata

Issue	Description / Reason for Correction	EUP Section(s), Page(s), Table(s) or Figures	Attachment Reference
1. Cumulative risk values	Year 0 in the Cumulative Risk Values do not represent the pre-mitigated risks as presented in The Model Risk Landscape JSON and CSV. PG&E updated Table C.12 and Table C.15 to correct this.	Volume 2: Attachment A-2, Table C.12 Screen 3 Table and Table C.15 Project Index Table	See Attachment 1 and tabular data ZIP file

Issue	Description / Reason for Correction	EUP Section(s), Page(s), Table(s) or Figures	Attachment Reference
2. Mean ignition consequence and mean outage program likelihood values	PG&E identified that the treatment of inflation and climate escalation in the mean Ignition Consequence and mean Outage Program Likelihood fields was not aligned with the treatment of the corresponding KDMMs in Table PCS-5. To align the methodologies, PG&E corrected the mean Ignition Consequence values to incorporate inflation and climate escalation and the mean Outage Program Likelihood values to incorporate climate escalation. PG&E also applied the Year 0 correction identified in Issue 1 to both fields.	Volume 2: Attachment A-2, Table C.12 Screen 3 Table	See Attachment 1 and tabular data ZIP file
3. EPSS Workpaper Text Edit	Through discovery, an issue was identified in Workpaper 018 related to EPSS documentation, where the description of EUP outage likelihood incorrectly indicated that it reflected the full likelihood of an EPSS outage rather than the incremental risk being reported. PG&E removed the incorrect language to accurately represent the EUP outage likelihood values; no reported values or other narrative content were impacted.	Volume 2: Attachment B, Workpaper 018 (p. 893)	See Attachment 2
4. O&M Values Update	PG&E identified that the incremental O&M values reported in SPD-37 Table 1 did not include benefits associated with the removal of idle miles, where applicable. PG&E reconciled these discrepancies and updated the values reported in SPD-37 Table 1. Because these O&M values also inform the annual cost fields reported in SPD-37 Table 7, PG&E updated the applicable Table 7 fields to reflect the corrected values.	Vol 2, Attach D: SPD-37 Table 1: Data Set and SPD-37 Table 7: Annual Costs (Capital and O&M) and O&M Savings Breakdown	See Attachment 3 and tabular data ZIP file

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 2: ATTACHMENT A-2, TABLE C.12 AND C.15

Please see PGE_EUPERR_2026-11-02_Tabular Data_R0.zip and reference the following files:

- PGE_EUPERR_2026-11-02_T12_R0.csv
- PGE_EUPERR_2026-11-02_T15_R0.csv

ATTACHMENT 2

VOLUME 2: ATTACHMENT B, WORKPAPER 018

Please see the PDF following this cover sheet.

As stated in previous sections, the EPSS Risk Model version 1 leverages value of service from the ICE 2.0 Calculator, which categorizes customers into two classes, Residential and Non-Residential for both HFTD/HFRA and Non-HFTD/Non-HFRA. For Residential customers, the value of service, VOS_c is $0.08 per customer-minute of interruption while for Non-Residential customers, it is $23.11 per customer-minute of interruption. In this equation, $N_{c,cs}$ refers to the number of customers of class c on the circuit segment cs, and N_{cs} is the number of customers on that circuit segment.

3.5 Likelihood and Derived Consequence for EUP

For EUP reporting, we define likelihood as total outage-minutes during EPSS-enabled periods (i.e., probability × duration), and we derive consequence as dollarized risk divided by likelihood.

The EPSS risk is defined as the incremental risk of outages that exceed the standard outage risk when EPSS is not enabled. This includes outages that were mitigated due to EPSS being active, by considering the likelihood of those outages occurring if EPSS had not been enabled during the same time. ~~In contrast, the EPSS likelihood reported for the EUP reflects the full likelihood of an EPSS outage, encompassing all outages that would have occurred during that time regardless of EPSS activation. This approach ensures a comprehensive representation of outage likelihood, though it introduces a potential mismatch in risk and likelihood reporting.~~

Given that OEIS defines likelihood to include outage duration, the EUP framework removes outage duration from the consequence calculation. At the circuit segment level, this adjustment is implemented by multiplying the previously defined likelihood by outage duration, while consequence is calculated by dividing risk by likelihood.

It is important to note that consequence is calculated at the circuit segment level but cannot be aggregated to higher levels using a simple summation. Instead, consequence must be derived at the portfolio or system levels by dividing the aggregated risk across all relevant circuit segments by the aggregated likelihood across those same segments. This method accounts for the varying number of event probability results associated with each segment. Attempting to sum individual consequence values and the total likelihood directly would not yield an accurate representation of total risk. To resolve this mathematical inconsistency, the effective consequence for an aggregated composite is back-calculated as a likelihood-weighted value by dividing the total risk for the portfolio or system by the total likelihood for that same group of segments.

ATTACHMENT 3

SPD-37 TABLE 1 AND TABLE 7

Please see PGE_EUPERR_2026-11-02_Attachment D_R0.zip and the PDF following this cover sheet and reference:

- PGE_EUPERR_2026-11-02_SPD37-T1_R0.csv
- PGE_EUPERR_2026-11-02_SPD37-T1_R0.pdf
- PGE_EUPERR_2026-11-02_SPD37-T7_R0.csv
- PGE_EUPERR_2026-11-02_SPD37-T7_R0.pdf

Note, the following tables has been revised but are 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

sorter	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
Proj00001-3UG-ALT1Hybrid Discount Rate Scenario	Proj00001-3UG-ALT1		Proj00001	PUEBLO 21031970				783	23	Congressional District 4
Proj00001-3UG-ALT1Societal Discount Rate Scenario	Proj00001-3UG-ALT1		Proj00001	PUEBLO 21031970				783	23	Congressional District 4
Proj00001-3UG-ALT1WACC Discount Rate Scenario	Proj00001-3UG-ALT1		Proj00001	PUEBLO 21031970				783	23	Congressional District 4
Proj00001-3UG-PASHybrid Discount Rate Scenario	Proj00001-3UG-PAS		Proj00001	PUEBLO 21031970		3UG	EUP	24	4	Congressional District 4
Proj00001-3UG-PASSocietal Discount Rate Scenario	Proj00001-3UG-PAS		Proj00001	PUEBLO 21031970		3UG	EUP	24	4	Congressional District 4
Proj00001-3UG-PASWACC Discount Rate Scenario	Proj00001-3UG-PAS		Proj00001	PUEBLO 21031970		3UG	EUP	24	4	Congressional District 4
Proj00001-3UG-UGASHybrid Discount Rate Scenario	Proj00001-3UG-UGAS	Proj00001-3UG-UGAS	Proj00001	PUEBLO 21031970		3UG	EUP	24	4	Congressional District 4
Proj00001-3UG-UGASSocietal Discount Rate Scenario	Proj00001-3UG-UGAS	Proj00001-3UG-UGAS	Proj00001	PUEBLO 21031970		3UG	EUP	24	4	Congressional District 4
Proj00001-3UG-UGASWACC Discount Rate Scenario	Proj00001-3UG-UGAS	Proj00001-3UG-UGAS	Proj00001	PUEBLO 21031970		3UG	EUP	24	4	Congressional District 4
Proj00002-3UG-ALT1Hybrid Discount Rate Scenario	Proj00002-3UG-ALT1		Proj00002	MIWUK 1701CB				216	18	Congressional District 5
Proj00002-3UG-ALT1Societal Discount Rate Scenario	Proj00002-3UG-ALT1		Proj00002	MIWUK 1701CB				216	18	Congressional District 5
Proj00002-3UG-ALT1WACC Discount Rate Scenario	Proj00002-3UG-ALT1		Proj00002	MIWUK 1701CB				216	18	Congressional District 5
Proj00002-3UG-PASHybrid Discount Rate Scenario	Proj00002-3UG-PAS		Proj00002	MIWUK 1701CB		3UG	EUP	129	3	Congressional District 5
Proj00002-3UG-PASSocietal Discount Rate Scenario	Proj00002-3UG-PAS		Proj00002	MIWUK 1701CB		3UG	EUP	129	3	Congressional District 5
Proj00002-3UG-PASWACC Discount Rate Scenario	Proj00002-3UG-PAS		Proj00002	MIWUK 1701CB		3UG	EUP	129	3	Congressional District 5
Proj00002-3UG-UGASHybrid Discount Rate Scenario	Proj00002-3UG-UGAS	Proj00002-3UG-UGAS	Proj00002	MIWUK 1701CB		3UG	EUP	129	3	Congressional District 5
Proj00002-3UG-UGASSocietal Discount Rate Scenario	Proj00002-3UG-UGAS	Proj00002-3UG-UGAS	Proj00002	MIWUK 1701CB		3UG	EUP	129	3	Congressional District 5
Proj00002-3UG-UGASWACC Discount Rate Scenario	Proj00002-3UG-UGAS	Proj00002-3UG-UGAS	Proj00002	MIWUK 1701CB		3UG	EUP	129	3	Congressional District 5
Proj00003-3UG-ALT1Hybrid Discount Rate Scenario	Proj00003-3UG-ALT1		Proj00003	FORESTHILL 1101CB				357	87	Congressional District 3
Proj00003-3UG-ALT1Societal Discount Rate Scenario	Proj00003-3UG-ALT1		Proj00003	FORESTHILL 1101CB				357	87	Congressional District 3
Proj00003-3UG-ALT1WACC Discount Rate Scenario	Proj00003-3UG-ALT1		Proj00003	FORESTHILL 1101CB				357	87	Congressional District 3
Proj00003-3UG-PASHybrid Discount Rate Scenario	Proj00003-3UG-PAS		Proj00003	FORESTHILL 1101CB		3UG	EUP	294	55	Congressional District 3
Proj00003-3UG-PASSocietal Discount Rate Scenario	Proj00003-3UG-PAS		Proj00003	FORESTHILL 1101CB		3UG	EUP	294	55	Congressional District 3
Proj00003-3UG-PASWACC Discount Rate Scenario	Proj00003-3UG-PAS		Proj00003	FORESTHILL 1101CB		3UG	EUP	294	55	Congressional District 3
Proj00003-3UG-UGASHybrid Discount Rate Scenario	Proj00003-3UG-UGAS	Proj00003-3UG-UGAS	Proj00003	FORESTHILL 1101CB		3UG	EUP	294	55	Congressional District 3
Proj00003-3UG-UGASSocietal Discount Rate Scenario	Proj00003-3UG-UGAS	Proj00003-3UG-UGAS	Proj00003	FORESTHILL 1101CB		3UG	EUP	294	55	Congressional District 3
Proj00003-3UG-UGASWACC Discount Rate Scenario	Proj00003-3UG-UGAS	Proj00003-3UG-UGAS	Proj00003	FORESTHILL 1101CB		3UG	EUP	294	55	Congressional District 3
Proj00004-3UG-ALT1Hybrid Discount Rate Scenario	Proj00004-3UG-ALT1		Proj00004	DUNBAR 1103799422				6	1	Congressional District 4
Proj00004-3UG-ALT1Societal Discount Rate Scenario	Proj00004-3UG-ALT1		Proj00004	DUNBAR 1103799422				6	1	Congressional District 4
Proj00004-3UG-ALT1WACC Discount Rate Scenario	Proj00004-3UG-ALT1		Proj00004	DUNBAR 1103799422				6	1	Congressional District 4
Proj00004-3UG-PASHybrid Discount Rate Scenario	Proj00004-3UG-PAS		Proj00004	DUNBAR 1103799422		3UG	EUP	6	1	Congressional District 4
Proj00004-3UG-PASSocietal Discount Rate Scenario	Proj00004-3UG-PAS		Proj00004	DUNBAR 1103799422		3UG	EUP	6	1	Congressional District 4
Proj00004-3UG-PASWACC Discount Rate Scenario	Proj00004-3UG-PAS		Proj00004	DUNBAR 1103799422		3UG	EUP	6	1	Congressional District 4
Proj00004-3UG-UGASHybrid Discount Rate Scenario	Proj00004-3UG-UGAS	Proj00004-3UG-UGAS	Proj00004	DUNBAR 1103799422		3UG	EUP	6	1	Congressional District 4
Proj00004-3UG-UGASSocietal Discount Rate Scenario	Proj00004-3UG-UGAS	Proj00004-3UG-UGAS	Proj00004	DUNBAR 1103799422		3UG	EUP	6	1	Congressional District 4
Proj00004-3UG-UGASWACC Discount Rate Scenario	Proj00004-3UG-UGAS	Proj00004-3UG-UGAS	Proj00004	DUNBAR 1103799422		3UG	EUP	6	1	Congressional District 4
Proj00005-3UG-ALT1Hybrid Discount Rate Scenario	Proj00005-3UG-ALT1		Proj00005	FORESTHILL 11011820				45	3	Congressional District 3
Proj00005-3UG-ALT1Societal Discount Rate Scenario	Proj00005-3UG-ALT1		Proj00005	FORESTHILL 11011820				45	3	Congressional District 3
Proj00005-3UG-ALT1WACC Discount Rate Scenario	Proj00005-3UG-ALT1		Proj00005	FORESTHILL 11011820				45	3	Congressional District 3
Proj00005-3UG-PASHybrid Discount Rate Scenario	Proj00005-3UG-PAS		Proj00005	FORESTHILL 11011820		3UG	EUP	31	1	Congressional District 3
Proj00005-3UG-PASSocietal Discount Rate Scenario	Proj00005-3UG-PAS		Proj00005	FORESTHILL 11011820		3UG	EUP	31	1	Congressional District 3
Proj00005-3UG-PASWACC Discount Rate Scenario	Proj00005-3UG-PAS		Proj00005	FORESTHILL 11011820		3UG	EUP	31	1	Congressional District 3
Proj00005-3UG-UGASHybrid Discount Rate Scenario	Proj00005-3UG-UGAS	Proj00005-3UG-UGAS	Proj00005	FORESTHILL 11011820		3UG	EUP	31	1	Congressional District 3
Proj00005-3UG-UGASSocietal Discount Rate Scenario	Proj00005-3UG-UGAS	Proj00005-3UG-UGAS	Proj00005	FORESTHILL 11011820		3UG	EUP	31	1	Congressional District 3
Proj00005-3UG-UGASWACC Discount Rate Scenario	Proj00005-3UG-UGAS	Proj00005-3UG-UGAS	Proj00005	FORESTHILL 11011820		3UG	EUP	31	1	Congressional District 3
Proj00006-3UG-ALT1Hybrid Discount Rate Scenario	Proj00006-3UG-ALT1		Proj00006	GIRVAN 1101CB				84	37	Congressional District 1
Proj00006-3UG-ALT1Societal Discount Rate Scenario	Proj00006-3UG-ALT1		Proj00006	GIRVAN 1101CB				84	37	Congressional District 1
Proj00006-3UG-ALT1WACC Discount Rate Scenario	Proj00006-3UG-ALT1		Proj00006	GIRVAN 1101CB				84	37	Congressional District 1
Proj00006-3UG-PASHybrid Discount Rate Scenario	Proj00006-3UG-PAS		Proj00006	GIRVAN 1101CB		08W, 3UG	EUP, GRC	75	30	Congressional District 1
Proj00006-3UG-PASSocietal Discount Rate Scenario	Proj00006-3UG-PAS		Proj00006	GIRVAN 1101CB		08W, 3UG	EUP, GRC	75	30	Congressional District 1
Proj00006-3UG-PASWACC Discount Rate Scenario	Proj00006-3UG-PAS		Proj00006	GIRVAN 1101CB		08W, 3UG	EUP, GRC	75	30	Congressional District 1
Proj00006-3UG-UGASHybrid Discount Rate Scenario	Proj00006-3UG-UGAS	Proj00006-3UG-UGAS	Proj00006	GIRVAN 1101CB		3UG	EUP	71	14	Congressional District 1
Proj00006-3UG-UGASSocietal Discount Rate Scenario	Proj00006-3UG-UGAS	Proj00006-3UG-UGAS	Proj00006	GIRVAN 1101CB		3UG	EUP	71	14	Congressional District 1
Proj00006-3UG-UGASWACC Discount Rate Scenario	Proj00006-3UG-UGAS	Proj00006-3UG-UGAS	Proj00006	GIRVAN 1101CB		3UG	EUP	71	14	Congressional District 1
Proj00007-3UG-ALT1Hybrid Discount Rate Scenario	Proj00007-3UG-ALT1		Proj00007	LOS GATOS 1107812664				56	2	Congressional District 16, 19
Proj00007-3UG-ALT1Societal Discount Rate Scenario	Proj00007-3UG-ALT1		Proj00007	LOS GATOS 1107812664				56	2	Congressional District 16, 19
Proj00007-3UG-ALT1WACC Discount Rate Scenario	Proj00007-3UG-ALT1		Proj00007	LOS GATOS 1107812664				56	2	Congressional District 16, 19
Proj00007-3UG-PASHybrid Discount Rate Scenario	Proj00007-3UG-PAS		Proj00007	LOS GATOS 1107812664		08W, 3UG	EUP, GRC	56	1	Congressional District 16, 19
Proj00007-3UG-PASSocietal Discount Rate Scenario	Proj00007-3UG-PAS		Proj00007	LOS GATOS 1107812664		08W, 3UG	EUP, GRC	56	1	Congressional District 16, 19
Proj00007-3UG-PASWACC Discount Rate Scenario	Proj00007-3UG-PAS		Proj00007	LOS GATOS 1107812664		08W, 3UG	EUP, GRC	56	1	Congressional District 16, 19
Proj00007-3UG-UGASHybrid Discount Rate Scenario	Proj00007-3UG-UGAS	Proj00007-3UG-UGAS	Proj00007	LOS GATOS 1107812664		3UG	EUP	10	0	Congressional District 16, 19
Proj00007-3UG-UGASSocietal Discount Rate Scenario	Proj00007-3UG-UGAS	Proj00007-3UG-UGAS	Proj00007	LOS GATOS 1107812664		3UG	EUP	10	0	Congressional District 16, 19
Proj00007-3UG-UGASWACC Discount Rate Scenario	Proj00007-3UG-UGAS	Proj00007-3UG-UGAS	Proj00007	LOS GATOS 1107812664		3UG	EUP	10	0	Congressional District 16, 19
Proj00008-3UG-ALT1Hybrid Discount Rate Scenario	Proj00008-3UG-ALT1		Proj00008	GEYSERVILLE 1102904170				25	35	Congressional District 2
Proj00008-3UG-ALT1Societal Discount Rate Scenario	Proj00008-3UG-ALT1		Proj00008	GEYSERVILLE 1102904170				25	35	Congressional District 2
Proj00008-3UG-ALT1WACC Discount Rate Scenario	Proj00008-3UG-ALT1		Proj00008	GEYSERVILLE 1102904170				25	35	Congressional District 2
Proj00008-3UG-PASHybrid Discount Rate Scenario	Proj00008-3UG-PAS		Proj00008	GEYSERVILLE 1102904170		08W, 3UG	EUP, GRC	18	24	Congressional District 2
Proj00008-3UG-PASSocietal Discount Rate Scenario	Proj00008-3UG-PAS		Proj00008	GEYSERVILLE 1102904170		08W, 3UG	EUP, GRC	18	24	Congressional District 2
Proj00008-3UG-PASWACC Discount Rate Scenario	Proj00008-3UG-PAS		Proj00008	GEYSERVILLE 1102904170		08W, 3UG	EUP, GRC	18	24	Congressional District 2
Proj00008-3UG-UGASHybrid Discount Rate Scenario	Proj00008-3UG-UGAS	Proj00008-3UG-UGAS	Proj00008	GEYSERVILLE 1102904170		3UG	EUP	8	13	Congressional District 2
Proj00008-3UG-UGASSocietal Discount Rate Scenario	Proj00008-3UG-UGAS	Proj00008-3UG-UGAS	Proj00008	GEYSERVILLE 1102904170		3UG	EUP	8	13	Congressional District 2
Proj00008-3UG-UGASWACC Discount Rate Scenario	Proj00008-3UG-UGAS	Proj00008-3UG-UGAS	Proj00008	GEYSERVILLE 1102904170		3UG	EUP	8	13	Congressional District 2
Proj00009-3UG-ALT1Hybrid Discount Rate Scenario	Proj00009-3UG-ALT1		Proj00009	ALTO 1124430				723	48	Congressional District 2
Proj00009-3UG-ALT1Societal Discount Rate Scenario	Proj00009-3UG-ALT1		Proj00009	ALTO 1124430				723	48	Congressional District 2
Proj00009-3UG-ALT1WACC Discount Rate Scenario	Proj00009-3UG-ALT1		Proj00009	ALTO 1124430				723	48	Congressional District 2
Proj00009-3UG-PASHybrid Discount Rate Scenario	Proj00009-3UG-PAS		Proj00009	ALTO 1124430		08W, 3UG	EUP, GRC	666	22	Congressional District 2
Proj00009-3UG-PASSocietal Discount Rate Scenario	Proj00009-3UG-PAS		Proj00009	ALTO 1124430		08W, 3UG	EUP, GRC	666	22	Congressional District 2

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

sorter	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
Proj00009-3UG-PASWACC Discount Rate Scenario	Proj00009-3UG-PAS		Proj00009	ALTO 1124430		08W, 3UG	EUP, GRC	666	22	Congressional District 2
Proj00009-3UG-UGASHybrid Discount Rate Scenario	Proj00009-3UG-UGAS	Proj00009-3UG-UGAS	Proj00009	ALTO 1124430		3UG	EUP	610	19	Congressional District 2
Proj00009-3UG-UGASSocietal Discount Rate Scenario	Proj00009-3UG-UGAS	Proj00009-3UG-UGAS	Proj00009	ALTO 1124430		3UG	EUP	610	19	Congressional District 2
Proj00009-3UG-UGASWACC Discount Rate Scenario	Proj00009-3UG-UGAS	Proj00009-3UG-UGAS	Proj00009	ALTO 1124430		3UG	EUP	610	19	Congressional District 2
Proj00010-3UG-ALT1Hybrid Discount Rate Scenario	Proj00010-3UG-ALT1		Proj00010	LAURELES 111268454				492	42	Congressional District 19
Proj00010-3UG-ALT1Societal Discount Rate Scenario	Proj00010-3UG-ALT1		Proj00010	LAURELES 111268454				492	42	Congressional District 19
Proj00010-3UG-ALT1WACC Discount Rate Scenario	Proj00010-3UG-ALT1		Proj00010	LAURELES 111268454				492	42	Congressional District 19
Proj00010-3UG-PASHybrid Discount Rate Scenario	Proj00010-3UG-PAS		Proj00010	LAURELES 111268454		08W, 3UG	EUP, GRC	339	25	Congressional District 19
Proj00010-3UG-PASSocietal Discount Rate Scenario	Proj00010-3UG-PAS		Proj00010	LAURELES 111268454		08W, 3UG	EUP, GRC	339	25	Congressional District 19
Proj00010-3UG-PASWACC Discount Rate Scenario	Proj00010-3UG-PAS		Proj00010	LAURELES 111268454		08W, 3UG	EUP, GRC	339	25	Congressional District 19
Proj00010-3UG-UGASHybrid Discount Rate Scenario	Proj00010-3UG-UGAS	Proj00010-3UG-UGAS	Proj00010	LAURELES 111268454		3UG	EUP	290	23	Congressional District 19
Proj00010-3UG-UGASSocietal Discount Rate Scenario	Proj00010-3UG-UGAS	Proj00010-3UG-UGAS	Proj00010	LAURELES 111268454		3UG	EUP	290	23	Congressional District 19
Proj00010-3UG-UGASWACC Discount Rate Scenario	Proj00010-3UG-UGAS	Proj00010-3UG-UGAS	Proj00010	LAURELES 111268454		3UG	EUP	290	23	Congressional District 19
Proj00011-3UG-ALT1Hybrid Discount Rate Scenario	Proj00011-3UG-ALT1		Proj00011	EL DORADO PH 2101668674				428	30	Congressional District 3
Proj00011-3UG-ALT1Societal Discount Rate Scenario	Proj00011-3UG-ALT1		Proj00011	EL DORADO PH 2101668674				428	30	Congressional District 3
Proj00011-3UG-ALT1WACC Discount Rate Scenario	Proj00011-3UG-ALT1		Proj00011	EL DORADO PH 2101668674				428	30	Congressional District 3
Proj00011-3UG-PASHybrid Discount Rate Scenario	Proj00011-3UG-PAS		Proj00011	EL DORADO PH 2101668674		3UG	EUP	174	2	Congressional District 3
Proj00011-3UG-PASSocietal Discount Rate Scenario	Proj00011-3UG-PAS		Proj00011	EL DORADO PH 2101668674		3UG	EUP	174	2	Congressional District 3
Proj00011-3UG-PASWACC Discount Rate Scenario	Proj00011-3UG-PAS		Proj00011	EL DORADO PH 2101668674		3UG	EUP	174	2	Congressional District 3
Proj00011-3UG-UGASHybrid Discount Rate Scenario	Proj00011-3UG-UGAS	Proj00011-3UG-UGAS	Proj00011	EL DORADO PH 2101668674		3UG	EUP	174	2	Congressional District 3
Proj00011-3UG-UGASSocietal Discount Rate Scenario	Proj00011-3UG-UGAS	Proj00011-3UG-UGAS	Proj00011	EL DORADO PH 2101668674		3UG	EUP	174	2	Congressional District 3
Proj00011-3UG-UGASWACC Discount Rate Scenario	Proj00011-3UG-UGAS	Proj00011-3UG-UGAS	Proj00011	EL DORADO PH 2101668674		3UG	EUP	174	2	Congressional District 3
Proj00012-3UG-ALT1Hybrid Discount Rate Scenario	Proj00012-3UG-ALT1		Proj00012	JESSUP 110168362				254	26	Congressional District 1
Proj00012-3UG-ALT1Societal Discount Rate Scenario	Proj00012-3UG-ALT1		Proj00012	JESSUP 110168362				254	26	Congressional District 1
Proj00012-3UG-ALT1WACC Discount Rate Scenario	Proj00012-3UG-ALT1		Proj00012	JESSUP 110168362				254	26	Congressional District 1
Proj00012-3UG-PASHybrid Discount Rate Scenario	Proj00012-3UG-PAS		Proj00012	JESSUP 110168362		08W, 3UG	EUP, GRC	127	16	Congressional District 1
Proj00012-3UG-PASSocietal Discount Rate Scenario	Proj00012-3UG-PAS		Proj00012	JESSUP 110168362		08W, 3UG	EUP, GRC	127	16	Congressional District 1
Proj00012-3UG-PASWACC Discount Rate Scenario	Proj00012-3UG-PAS		Proj00012	JESSUP 110168362		08W, 3UG	EUP, GRC	127	16	Congressional District 1
Proj00012-3UG-UGASHybrid Discount Rate Scenario	Proj00012-3UG-UGAS	Proj00012-3UG-UGAS	Proj00012	JESSUP 110168362		3UG	EUP	26	0	Congressional District 1
Proj00012-3UG-UGASSocietal Discount Rate Scenario	Proj00012-3UG-UGAS	Proj00012-3UG-UGAS	Proj00012	JESSUP 110168362		3UG	EUP	26	0	Congressional District 1
Proj00012-3UG-UGASWACC Discount Rate Scenario	Proj00012-3UG-UGAS	Proj00012-3UG-UGAS	Proj00012	JESSUP 110168362		3UG	EUP	26	0	Congressional District 1
Proj00013-3UG-ALT1Hybrid Discount Rate Scenario	Proj00013-3UG-ALT1		Proj00013	BEN LOMOND 0401944178				440	41	Congressional District 19
Proj00013-3UG-ALT1Societal Discount Rate Scenario	Proj00013-3UG-ALT1		Proj00013	BEN LOMOND 0401944178				440	41	Congressional District 19
Proj00013-3UG-ALT1WACC Discount Rate Scenario	Proj00013-3UG-ALT1		Proj00013	BEN LOMOND 0401944178				440	41	Congressional District 19
Proj00013-3UG-PASHybrid Discount Rate Scenario	Proj00013-3UG-PAS		Proj00013	BEN LOMOND 0401944178		3UG	EUP	439	42	Congressional District 19
Proj00013-3UG-PASSocietal Discount Rate Scenario	Proj00013-3UG-PAS		Proj00013	BEN LOMOND 0401944178		3UG	EUP	439	42	Congressional District 19
Proj00013-3UG-PASWACC Discount Rate Scenario	Proj00013-3UG-PAS		Proj00013	BEN LOMOND 0401944178		3UG	EUP	439	42	Congressional District 19
Proj00013-3UG-UGASHybrid Discount Rate Scenario	Proj00013-3UG-UGAS	Proj00013-3UG-UGAS	Proj00013	BEN LOMOND 0401944178		3UG	EUP	439	42	Congressional District 19
Proj00013-3UG-UGASSocietal Discount Rate Scenario	Proj00013-3UG-UGAS	Proj00013-3UG-UGAS	Proj00013	BEN LOMOND 0401944178		3UG	EUP	439	42	Congressional District 19
Proj00013-3UG-UGASWACC Discount Rate Scenario	Proj00013-3UG-UGAS	Proj00013-3UG-UGAS	Proj00013	BEN LOMOND 0401944178		3UG	EUP	439	42	Congressional District 19
Proj00014-3UG-ALT1Hybrid Discount Rate Scenario	Proj00014-3UG-ALT1		Proj00014	WOODACRE 1102851				91	4	Congressional District 2
Proj00014-3UG-ALT1Societal Discount Rate Scenario	Proj00014-3UG-ALT1		Proj00014	WOODACRE 1102851				91	4	Congressional District 2
Proj00014-3UG-ALT1WACC Discount Rate Scenario	Proj00014-3UG-ALT1		Proj00014	WOODACRE 1102851				91	4	Congressional District 2
Proj00014-3UG-PASHybrid Discount Rate Scenario	Proj00014-3UG-PAS		Proj00014	WOODACRE 1102851		3UG	EUP	91	4	Congressional District 2
Proj00014-3UG-PASSocietal Discount Rate Scenario	Proj00014-3UG-PAS		Proj00014	WOODACRE 1102851		3UG	EUP	91	4	Congressional District 2
Proj00014-3UG-PASWACC Discount Rate Scenario	Proj00014-3UG-PAS		Proj00014	WOODACRE 1102851		3UG	EUP	91	4	Congressional District 2
Proj00014-3UG-UGASHybrid Discount Rate Scenario	Proj00014-3UG-UGAS	Proj00014-3UG-UGAS	Proj00014	WOODACRE 1102851		3UG	EUP	91	4	Congressional District 2
Proj00014-3UG-UGASSocietal Discount Rate Scenario	Proj00014-3UG-UGAS	Proj00014-3UG-UGAS	Proj00014	WOODACRE 1102851		3UG	EUP	91	4	Congressional District 2
Proj00014-3UG-UGASWACC Discount Rate Scenario	Proj00014-3UG-UGAS	Proj00014-3UG-UGAS	Proj00014	WOODACRE 1102851		3UG	EUP	91	4	Congressional District 2
Proj00015-3UG-ALT1Hybrid Discount Rate Scenario	Proj00015-3UG-ALT1		Proj00015	ELECTRA 1101CB				178	11	Congressional District 5
Proj00015-3UG-ALT1Societal Discount Rate Scenario	Proj00015-3UG-ALT1		Proj00015	ELECTRA 1101CB				178	11	Congressional District 5
Proj00015-3UG-ALT1WACC Discount Rate Scenario	Proj00015-3UG-ALT1		Proj00015	ELECTRA 1101CB				178	11	Congressional District 5
Proj00015-3UG-PASHybrid Discount Rate Scenario	Proj00015-3UG-PAS		Proj00015	ELECTRA 1101CB		08W, 3UG	EUP, GRC	160	10	Congressional District 5
Proj00015-3UG-PASSocietal Discount Rate Scenario	Proj00015-3UG-PAS		Proj00015	ELECTRA 1101CB		08W, 3UG	EUP, GRC	160	10	Congressional District 5
Proj00015-3UG-PASWACC Discount Rate Scenario	Proj00015-3UG-PAS		Proj00015	ELECTRA 1101CB		08W, 3UG	EUP, GRC	160	10	Congressional District 5
Proj00015-3UG-UGASHybrid Discount Rate Scenario	Proj00015-3UG-UGAS	Proj00015-3UG-UGAS	Proj00015	ELECTRA 1101CB		3UG	EUP	159	10	Congressional District 5
Proj00015-3UG-UGASSocietal Discount Rate Scenario	Proj00015-3UG-UGAS	Proj00015-3UG-UGAS	Proj00015	ELECTRA 1101CB		3UG	EUP	159	10	Congressional District 5
Proj00015-3UG-UGASWACC Discount Rate Scenario	Proj00015-3UG-UGAS	Proj00015-3UG-UGAS	Proj00015	ELECTRA 1101CB		3UG	EUP	159	10	Congressional District 5
Proj00016-3UG-ALT1Hybrid Discount Rate Scenario	Proj00016-3UG-ALT1		Proj00016	MARIPOSA 210110070				221	9	Congressional District 5
Proj00016-3UG-ALT1Societal Discount Rate Scenario	Proj00016-3UG-ALT1		Proj00016	MARIPOSA 210110070				221	9	Congressional District 5
Proj00016-3UG-ALT1WACC Discount Rate Scenario	Proj00016-3UG-ALT1		Proj00016	MARIPOSA 210110070				221	9	Congressional District 5
Proj00016-3UG-PASHybrid Discount Rate Scenario	Proj00016-3UG-PAS		Proj00016	MARIPOSA 210110070		08W, 3UG	EUP, GRC	217	9	Congressional District 5
Proj00016-3UG-PASSocietal Discount Rate Scenario	Proj00016-3UG-PAS		Proj00016	MARIPOSA 210110070		08W, 3UG	EUP, GRC	217	9	Congressional District 5
Proj00016-3UG-PASWACC Discount Rate Scenario	Proj00016-3UG-PAS		Proj00016	MARIPOSA 210110070		08W, 3UG	EUP, GRC	217	9	Congressional District 5
Proj00016-3UG-UGASHybrid Discount Rate Scenario	Proj00016-3UG-UGAS	Proj00016-3UG-UGAS	Proj00016	MARIPOSA 210110070		3UG	EUP	6	0	Congressional District 5
Proj00016-3UG-UGASSocietal Discount Rate Scenario	Proj00016-3UG-UGAS	Proj00016-3UG-UGAS	Proj00016	MARIPOSA 210110070		3UG	EUP	6	0	Congressional District 5
Proj00016-3UG-UGASWACC Discount Rate Scenario	Proj00016-3UG-UGAS	Proj00016-3UG-UGAS	Proj00016	MARIPOSA 210110070		3UG	EUP	6	0	Congressional District 5
Proj00017-3UG-ALT1Hybrid Discount Rate Scenario	Proj00017-3UG-ALT1		Proj00017	SAN RAFAEL 1108322				1241	83	Congressional District 2
Proj00017-3UG-ALT1Societal Discount Rate Scenario	Proj00017-3UG-ALT1		Proj00017	SAN RAFAEL 1108322				1241	83	Congressional District 2
Proj00017-3UG-ALT1WACC Discount Rate Scenario	Proj00017-3UG-ALT1		Proj00017	SAN RAFAEL 1108322				1241	83	Congressional District 2
Proj00017-3UG-PASHybrid Discount Rate Scenario	Proj00017-3UG-PAS		Proj00017	SAN RAFAEL 1108322		08W, 3UG	EUP, GRC	1076	53	Congressional District 2
Proj00017-3UG-PASSocietal Discount Rate Scenario	Proj00017-3UG-PAS		Proj00017	SAN RAFAEL 1108322		08W, 3UG	EUP, GRC	1076	53	Congressional District 2
Proj00017-3UG-PASWACC Discount Rate Scenario	Proj00017-3UG-PAS		Proj00017	SAN RAFAEL 1108322		08W, 3UG	EUP, GRC	1076	53	Congressional District 2
Proj00017-3UG-UGASHybrid Discount Rate Scenario	Proj00017-3UG-UGAS	Proj00017-3UG-UGAS	Proj00017	SAN RAFAEL 1108322		3UG	EUP	395	11	Congressional District 2
Proj00017-3UG-UGASSocietal Discount Rate Scenario	Proj00017-3UG-UGAS	Proj00017-3UG-UGAS	Proj00017	SAN RAFAEL 1108322		3UG	EUP	395	11	Congressional District 2
Proj00017-3UG-UGASWACC Discount Rate Scenario	Proj00017-3UG-UGAS	Proj00017-3UG-UGAS	Proj00017	SAN RAFAEL 1108322		3UG	EUP	395	11	Congressional District 2
Proj00018-3UG-ALT1Hybrid Discount Rate Scenario	Proj00018-3UG-ALT1		Proj00018	OAKLAND X 1104CR288				528	16	Congressional District 12
Proj00018-3UG-ALT1Societal Discount Rate Scenario	Proj00018-3UG-ALT1		Proj00018	OAKLAND X 1104CR288				528	16	Congressional District 12
Proj00018-3UG-ALT1WACC Discount Rate Scenario	Proj00018-3UG-ALT1		Proj00018	OAKLAND X 1104CR288				528	16	Congressional District 12
Proj00018-3UG-PASHybrid Discount Rate Scenario	Proj00018-3UG-PAS		Proj00018	OAKLAND X 1104CR288		3UG	EUP	288	11	Congressional District 12
Proj00018-3UG-PASSocietal Discount Rate Scenario	Proj00018-3UG-PAS		Proj00018	OAKLAND X 1104CR288		3UG	EUP	288	11	Congressional District 12
Proj00018-3UG-PASWACC Discount Rate Scenario	Proj00018-3UG-PAS		Proj00018	OAKLAND X 1104CR288		3UG	EUP	288	11	Congressional District 12

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

sorter	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
Proj00018-3UG-UGASHybrid Discount Rate Scenario	Proj00018-3UG-UGAS	Proj00018-3UG-UGAS	Proj00018	OAKLAND X 1104CR288		3UG	EUP	288	11	Congressional District 12
Proj00018-3UG-UGASSocietal Discount Rate Scenario	Proj00018-3UG-UGAS	Proj00018-3UG-UGAS	Proj00018	OAKLAND X 1104CR288		3UG	EUP	288	11	Congressional District 12
Proj00018-3UG-UGASWACC Discount Rate Scenario	Proj00018-3UG-UGAS	Proj00018-3UG-UGAS	Proj00018	OAKLAND X 1104CR288		3UG	EUP	288	11	Congressional District 12
Proj00019-3UG-ALT1Hybrid Discount Rate Scenario	Proj00019-3UG-ALT1		Proj00019	WOODACRE 1102137662				1032	53	Congressional District 2
Proj00019-3UG-ALT1Societal Discount Rate Scenario	Proj00019-3UG-ALT1		Proj00019	WOODACRE 1102137662				1032	53	Congressional District 2
Proj00019-3UG-ALT1WACC Discount Rate Scenario	Proj00019-3UG-ALT1		Proj00019	WOODACRE 1102137662				1032	53	Congressional District 2
Proj00019-3UG-PASHybrid Discount Rate Scenario	Proj00019-3UG-PAS		Proj00019	WOODACRE 1102137662		3UG	EUP	1029	28	Congressional District 2
Proj00019-3UG-PASSocietal Discount Rate Scenario	Proj00019-3UG-PAS		Proj00019	WOODACRE 1102137662		3UG	EUP	1029	28	Congressional District 2
Proj00019-3UG-PASWACC Discount Rate Scenario	Proj00019-3UG-PAS		Proj00019	WOODACRE 1102137662		3UG	EUP	1029	28	Congressional District 2
Proj00019-3UG-UGASHybrid Discount Rate Scenario	Proj00019-3UG-UGAS	Proj00019-3UG-UGAS	Proj00019	WOODACRE 1102137662		3UG	EUP	1029	28	Congressional District 2
Proj00019-3UG-UGASSocietal Discount Rate Scenario	Proj00019-3UG-UGAS	Proj00019-3UG-UGAS	Proj00019	WOODACRE 1102137662		3UG	EUP	1029	28	Congressional District 2
Proj00019-3UG-UGASWACC Discount Rate Scenario	Proj00019-3UG-UGAS	Proj00019-3UG-UGAS	Proj00019	WOODACRE 1102137662		3UG	EUP	1029	28	Congressional District 2
Proj00020-3UG-ALT1Hybrid Discount Rate Scenario	Proj00020-3UG-ALT1		Proj00020	CAMP EVERS 2105102941				190	8	Congressional District 19
Proj00020-3UG-ALT1Societal Discount Rate Scenario	Proj00020-3UG-ALT1		Proj00020	CAMP EVERS 2105102941				190	8	Congressional District 19
Proj00020-3UG-ALT1WACC Discount Rate Scenario	Proj00020-3UG-ALT1		Proj00020	CAMP EVERS 2105102941				190	8	Congressional District 19
Proj00020-3UG-PASHybrid Discount Rate Scenario	Proj00020-3UG-PAS		Proj00020	CAMP EVERS 2105102941		3UG	EUP	185	8	Congressional District 19
Proj00020-3UG-PASSocietal Discount Rate Scenario	Proj00020-3UG-PAS		Proj00020	CAMP EVERS 2105102941		3UG	EUP	185	8	Congressional District 19
Proj00020-3UG-PASWACC Discount Rate Scenario	Proj00020-3UG-PAS		Proj00020	CAMP EVERS 2105102941		3UG	EUP	185	8	Congressional District 19
Proj00020-3UG-UGASHybrid Discount Rate Scenario	Proj00020-3UG-UGAS	Proj00020-3UG-UGAS	Proj00020	CAMP EVERS 2105102941		3UG	EUP	185	8	Congressional District 19
Proj00020-3UG-UGASSocietal Discount Rate Scenario	Proj00020-3UG-UGAS	Proj00020-3UG-UGAS	Proj00020	CAMP EVERS 2105102941		3UG	EUP	185	8	Congressional District 19
Proj00020-3UG-UGASWACC Discount Rate Scenario	Proj00020-3UG-UGAS	Proj00020-3UG-UGAS	Proj00020	CAMP EVERS 2105102941		3UG	EUP	185	8	Congressional District 19
Proj00021-3UG-ALT1Hybrid Discount Rate Scenario	Proj00021-3UG-ALT1		Proj00021	STILLWATER 11021466				429	23	Congressional District 1
Proj00021-3UG-ALT1Societal Discount Rate Scenario	Proj00021-3UG-ALT1		Proj00021	STILLWATER 11021466				429	23	Congressional District 1
Proj00021-3UG-ALT1WACC Discount Rate Scenario	Proj00021-3UG-ALT1		Proj00021	STILLWATER 11021466				429	23	Congressional District 1
Proj00021-3UG-PASHybrid Discount Rate Scenario	Proj00021-3UG-PAS		Proj00021	STILLWATER 11021466		3UG	EUP	384	20	Congressional District 1
Proj00021-3UG-PASSocietal Discount Rate Scenario	Proj00021-3UG-PAS		Proj00021	STILLWATER 11021466		3UG	EUP	384	20	Congressional District 1
Proj00021-3UG-PASWACC Discount Rate Scenario	Proj00021-3UG-PAS		Proj00021	STILLWATER 11021466		3UG	EUP	384	20	Congressional District 1
Proj00021-3UG-UGASHybrid Discount Rate Scenario	Proj00021-3UG-UGAS	Proj00021-3UG-UGAS	Proj00021	STILLWATER 11021466		3UG	EUP	384	20	Congressional District 1
Proj00021-3UG-UGASSocietal Discount Rate Scenario	Proj00021-3UG-UGAS	Proj00021-3UG-UGAS	Proj00021	STILLWATER 11021466		3UG	EUP	384	20	Congressional District 1
Proj00021-3UG-UGASWACC Discount Rate Scenario	Proj00021-3UG-UGAS	Proj00021-3UG-UGAS	Proj00021	STILLWATER 11021466		3UG	EUP	384	20	Congressional District 1
Proj00022-3UG-ALT1Hybrid Discount Rate Scenario	Proj00022-3UG-ALT1		Proj00022	KONOCTI 1102714370				112	6	Congressional District 4
Proj00022-3UG-ALT1Societal Discount Rate Scenario	Proj00022-3UG-ALT1		Proj00022	KONOCTI 1102714370				112	6	Congressional District 4
Proj00022-3UG-ALT1WACC Discount Rate Scenario	Proj00022-3UG-ALT1		Proj00022	KONOCTI 1102714370				112	6	Congressional District 4
Proj00022-3UG-PASHybrid Discount Rate Scenario	Proj00022-3UG-PAS		Proj00022	KONOCTI 1102714370		08W, 3UG	EUP, GRC	90	5	Congressional District 4
Proj00022-3UG-PASSocietal Discount Rate Scenario	Proj00022-3UG-PAS		Proj00022	KONOCTI 1102714370		08W, 3UG	EUP, GRC	90	5	Congressional District 4
Proj00022-3UG-PASWACC Discount Rate Scenario	Proj00022-3UG-PAS		Proj00022	KONOCTI 1102714370		08W, 3UG	EUP, GRC	90	5	Congressional District 4
Proj00022-3UG-UGASHybrid Discount Rate Scenario	Proj00022-3UG-UGAS	Proj00022-3UG-UGAS	Proj00022	KONOCTI 1102714370		3UG	EUP	0	0	Congressional District 4
Proj00022-3UG-UGASSocietal Discount Rate Scenario	Proj00022-3UG-UGAS	Proj00022-3UG-UGAS	Proj00022	KONOCTI 1102714370		3UG	EUP	0	0	Congressional District 4
Proj00022-3UG-UGASWACC Discount Rate Scenario	Proj00022-3UG-UGAS	Proj00022-3UG-UGAS	Proj00022	KONOCTI 1102714370		3UG	EUP	0	0	Congressional District 4
Proj00023-3UG-ALT1Hybrid Discount Rate Scenario	Proj00023-3UG-ALT1		Proj00023	PLACERVILLE 21069712				214	8	Congressional District 3
Proj00023-3UG-ALT1Societal Discount Rate Scenario	Proj00023-3UG-ALT1		Proj00023	PLACERVILLE 21069712				214	8	Congressional District 3
Proj00023-3UG-ALT1WACC Discount Rate Scenario	Proj00023-3UG-ALT1		Proj00023	PLACERVILLE 21069712				214	8	Congressional District 3
Proj00023-3UG-PASHybrid Discount Rate Scenario	Proj00023-3UG-PAS		Proj00023	PLACERVILLE 21069712		08W, 3UG	EUP, GRC	204	8	Congressional District 3
Proj00023-3UG-PASSocietal Discount Rate Scenario	Proj00023-3UG-PAS		Proj00023	PLACERVILLE 21069712		08W, 3UG	EUP, GRC	204	8	Congressional District 3
Proj00023-3UG-PASWACC Discount Rate Scenario	Proj00023-3UG-PAS		Proj00023	PLACERVILLE 21069712		08W, 3UG	EUP, GRC	204	8	Congressional District 3
Proj00023-3UG-UGASHybrid Discount Rate Scenario	Proj00023-3UG-UGAS	Proj00023-3UG-UGAS	Proj00023	PLACERVILLE 21069712		3UG	EUP	198	8	Congressional District 3
Proj00023-3UG-UGASSocietal Discount Rate Scenario	Proj00023-3UG-UGAS	Proj00023-3UG-UGAS	Proj00023	PLACERVILLE 21069712		3UG	EUP	198	8	Congressional District 3
Proj00023-3UG-UGASWACC Discount Rate Scenario	Proj00023-3UG-UGAS	Proj00023-3UG-UGAS	Proj00023	PLACERVILLE 21069712		3UG	EUP	198	8	Congressional District 3
Proj00024-3UG-ALT1Hybrid Discount Rate Scenario	Proj00024-3UG-ALT1		Proj00024	MENLO 1102628458				14	5	Congressional District 16
Proj00024-3UG-ALT1Societal Discount Rate Scenario	Proj00024-3UG-ALT1		Proj00024	MENLO 1102628458				14	5	Congressional District 16
Proj00024-3UG-ALT1WACC Discount Rate Scenario	Proj00024-3UG-ALT1		Proj00024	MENLO 1102628458				14	5	Congressional District 16
Proj00024-3UG-PASHybrid Discount Rate Scenario	Proj00024-3UG-PAS		Proj00024	MENLO 1102628458		3UG	EUP	3	0	Congressional District 16
Proj00024-3UG-PASSocietal Discount Rate Scenario	Proj00024-3UG-PAS		Proj00024	MENLO 1102628458		3UG	EUP	3	0	Congressional District 16
Proj00024-3UG-PASWACC Discount Rate Scenario	Proj00024-3UG-PAS		Proj00024	MENLO 1102628458		3UG	EUP	3	0	Congressional District 16
Proj00024-3UG-UGASHybrid Discount Rate Scenario	Proj00024-3UG-UGAS	Proj00024-3UG-UGAS	Proj00024	MENLO 1102628458		3UG	EUP	3	0	Congressional District 16
Proj00024-3UG-UGASSocietal Discount Rate Scenario	Proj00024-3UG-UGAS	Proj00024-3UG-UGAS	Proj00024	MENLO 1102628458		3UG	EUP	3	0	Congressional District 16
Proj00024-3UG-UGASWACC Discount Rate Scenario	Proj00024-3UG-UGAS	Proj00024-3UG-UGAS	Proj00024	MENLO 1102628458		3UG	EUP	3	0	Congressional District 16
Proj00025-3UG-ALT1Hybrid Discount Rate Scenario	Proj00025-3UG-ALT1		Proj00025	ALTO 11221260				396	11	Congressional District 2
Proj00025-3UG-ALT1Societal Discount Rate Scenario	Proj00025-3UG-ALT1		Proj00025	ALTO 11221260				396	11	Congressional District 2
Proj00025-3UG-ALT1WACC Discount Rate Scenario	Proj00025-3UG-ALT1		Proj00025	ALTO 11221260				396	11	Congressional District 2
Proj00025-3UG-PASHybrid Discount Rate Scenario	Proj00025-3UG-PAS		Proj00025	ALTO 11221260		3UG	EUP	362	11	Congressional District 2
Proj00025-3UG-PASSocietal Discount Rate Scenario	Proj00025-3UG-PAS		Proj00025	ALTO 11221260		3UG	EUP	362	11	Congressional District 2
Proj00025-3UG-PASWACC Discount Rate Scenario	Proj00025-3UG-PAS		Proj00025	ALTO 11221260		3UG	EUP	362	11	Congressional District 2
Proj00025-3UG-UGASHybrid Discount Rate Scenario	Proj00025-3UG-UGAS	Proj00025-3UG-UGAS	Proj00025	ALTO 11221260		3UG	EUP	362	11	Congressional District 2
Proj00025-3UG-UGASSocietal Discount Rate Scenario	Proj00025-3UG-UGAS	Proj00025-3UG-UGAS	Proj00025	ALTO 11221260		3UG	EUP	362	11	Congressional District 2
Proj00025-3UG-UGASWACC Discount Rate Scenario	Proj00025-3UG-UGAS	Proj00025-3UG-UGAS	Proj00025	ALTO 11221260		3UG	EUP	362	11	Congressional District 2
Proj00026-3UG-ALT1Hybrid Discount Rate Scenario	Proj00026-3UG-ALT1		Proj00026	CAMP EVERS 2105534190				102	2	Congressional District 19
Proj00026-3UG-ALT1Societal Discount Rate Scenario	Proj00026-3UG-ALT1		Proj00026	CAMP EVERS 2105534190				102	2	Congressional District 19
Proj00026-3UG-ALT1WACC Discount Rate Scenario	Proj00026-3UG-ALT1		Proj00026	CAMP EVERS 2105534190				102	2	Congressional District 19
Proj00026-3UG-PASHybrid Discount Rate Scenario	Proj00026-3UG-PAS		Proj00026	CAMP EVERS 2105534190		3UG	EUP	105	2	Congressional District 19
Proj00026-3UG-PASSocietal Discount Rate Scenario	Proj00026-3UG-PAS		Proj00026	CAMP EVERS 2105534190		3UG	EUP	105	2	Congressional District 19
Proj00026-3UG-PASWACC Discount Rate Scenario	Proj00026-3UG-PAS		Proj00026	CAMP EVERS 2105534190		3UG	EUP	105	2	Congressional District 19
Proj00026-3UG-UGASHybrid Discount Rate Scenario	Proj00026-3UG-UGAS	Proj00026-3UG-UGAS	Proj00026	CAMP EVERS 2105534190		3UG	EUP	105	2	Congressional District 19
Proj00026-3UG-UGASSocietal Discount Rate Scenario	Proj00026-3UG-UGAS	Proj00026-3UG-UGAS	Proj00026	CAMP EVERS 2105534190		3UG	EUP	105	2	Congressional District 19
Proj00026-3UG-UGASWACC Discount Rate Scenario	Proj00026-3UG-UGAS	Proj00026-3UG-UGAS	Proj00026	CAMP EVERS 2105534190		3UG	EUP	105	2	Congressional District 19
Proj00027-3UG-ALT1Hybrid Discount Rate Scenario	Proj00027-3UG-ALT1		Proj00027	CORTINA 1101302192				25	34	Congressional District 1
Proj00027-3UG-ALT1Societal Discount Rate Scenario	Proj00027-3UG-ALT1		Proj00027	CORTINA 1101302192				25	34	Congressional District 1
Proj00027-3UG-ALT1WACC Discount Rate Scenario	Proj00027-3UG-ALT1		Proj00027	CORTINA 1101302192				25	34	Congressional District 1
Proj00027-3UG-PASHybrid Discount Rate Scenario	Proj00027-3UG-PAS		Proj00027	CORTINA 1101302192		3UG	EUP	3	4	Congressional District 1
Proj00027-3UG-PASSocietal Discount Rate Scenario	Proj00027-3UG-PAS		Proj00027	CORTINA 1101302192		3UG	EUP	3	4	Congressional District 1
Proj00027-3UG-PASWACC Discount Rate Scenario	Proj00027-3UG-PAS		Proj00027	CORTINA 1101302192		3UG	EUP	3	4	Congressional District 1
Proj00027-3UG-UGASHybrid Discount Rate Scenario	Proj00027-3UG-UGAS	Proj00027-3UG-UGAS	Proj00027	CORTINA 1101302192		3UG	EUP	3	4	Congressional District 1
Proj00027-3UG-UGASSocietal Discount Rate Scenario	Proj00027-3UG-UGAS	Proj00027-3UG-UGAS	Proj00027	CORTINA 1101302192		3UG	EUP	3	4	Congressional District 1
Proj00027-3UG-UGASWACC Discount Rate Scenario	Proj00027-3UG-UGAS	Proj00027-3UG-UGAS	Proj00027	CORTINA 1101302192		3UG	EUP	3	4	Congressional District 1
Proj00028-3UG-ALT1Hybrid Discount Rate Scenario	Proj00028-3UG-ALT1		Proj00028	VOLTA 1102CB				8	3	Congressional District 1
Proj00028-3UG-ALT1Societal Discount Rate Scenario	Proj00028-3UG-ALT1		Proj00028	VOLTA 1102CB				8	3	Congressional District 1
Proj00028-3UG-ALT1WACC Discount Rate Scenario	Proj00028-3UG-ALT1		Proj00028	VOLTA 1102CB				8	3	Congressional District 1
Proj00028-3UG-PASHybrid Discount Rate Scenario	Proj00028-3UG-PAS		Proj00028	VOLTA 1102CB		08W, 3UG	EUP, GRC	8	3	Congressional District 1
Proj00028-3UG-PASSocietal Discount Rate Scenario	Proj00028-3UG-PAS		Proj00028	VOLTA 1102CB		08W, 3UG	EUP, GRC	8	3	Congressional District 1
Proj00028-3UG-PASWACC Discount Rate Scenario	Proj00028-3UG-PAS		Proj00028	VOLTA 1102CB		08W, 3UG	EUP, GRC	8	3	Congressional District 1
Proj00028-3UG-UGASHybrid Discount Rate Scenario	Proj00028-3UG-UGAS	Proj00028-3UG-UGAS	Proj00028	VOLTA 1102CB		3UG	EUP	8	3	Congressional District 1
Proj00028-3UG-UGASSocietal Discount Rate Scenario	Proj00028-3UG-UGAS	Proj00028-3UG-UGAS	Proj00028	VOLTA 1102CB		3UG	EUP	8	3	Congressional District 1
Proj00028-3UG-UGASWACC Discount Rate Scenario	Proj00028-3UG-UGAS	Proj00028-3UG-UGAS	Proj00028	VOLTA 1102CB		3UG	EUP	8	3	Congressional District 1

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

sorter	tranche_level	asset_system_list	total_circuit_miles	total_circuit_miles_ug	risk_ranking	scoping_date	start_date	mitigation_type	undergrounding_mitigation_justification1
Proj00001-3UG-ALT1Hybrid Discount Rate Scenario	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer	3.135967006		329	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00001-3UG-ALT1Societal Discount Rate Scenario	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer	3.135967006		329	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00001-3UG-ALT1WACC Discount Rate Scenario	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer	3.135967006		329	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00001-3UG-PASHybrid Discount Rate Scenario	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer	3.135967006		329	8/20/2026		Undergrounding	Overall Utility Risk
Proj00001-3UG-PASSocietal Discount Rate Scenario	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer	3.135967006		329	8/20/2026		Undergrounding	Overall Utility Risk
Proj00001-3UG-PASWACC Discount Rate Scenario	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer	3.135967006		329	8/20/2026		Undergrounding	Overall Utility Risk
Proj00001-3UG-UGAShybrid Discount Rate Scenario	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer	3.14	3.63	329	8/20/2026	1/10/2028	Undergrounding	Overall Utility Risk
Proj00001-3UG-UGASSocietal Discount Rate Scenario	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer	3.14	3.63	329	8/20/2026	1/10/2028	Undergrounding	Overall Utility Risk
Proj00001-3UG-UGASWACC Discount Rate Scenario	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer	3.14	3.63	329	8/20/2026	1/10/2028	Undergrounding	Overall Utility Risk
Proj00002-3UG-ALT1Hybrid Discount Rate Scenario	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer	4.561286176	24.03	669	8/20/2026	2/16/2028	Overhead Hardening	Overall Utility Risk
Proj00002-3UG-ALT1Societal Discount Rate Scenario	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer	4.561286176	24.03	669	8/20/2026	2/16/2028	Overhead Hardening	Overall Utility Risk
Proj00002-3UG-ALT1WACC Discount Rate Scenario	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer	4.561286176	24.03	669	8/20/2026	2/16/2028	Overhead Hardening	Overall Utility Risk
Proj00002-3UG-PASHybrid Discount Rate Scenario	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer	4.561286176	3.63	669	8/20/2026	1/10/2028	Undergrounding	Overall Utility Risk
Proj00002-3UG-PASSocietal Discount Rate Scenario	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer	4.561286176	3.63	669	8/20/2026	1/10/2028	Undergrounding	Overall Utility Risk
Proj00002-3UG-PASWACC Discount Rate Scenario	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer	4.561286176	3.63	669	8/20/2026	1/10/2028	Undergrounding	Overall Utility Risk
Proj00002-3UG-UGAShybrid Discount Rate Scenario	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer	2.57	3.53	669	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk
Proj00002-3UG-UGASSocietal Discount Rate Scenario	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer	2.57	3.53	669	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk
Proj00002-3UG-UGASWACC Discount Rate Scenario	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer	2.57	3.53	669	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk
Proj00003-3UG-ALT1Hybrid Discount Rate Scenario	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer	9.01747145		549	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00003-3UG-ALT1Societal Discount Rate Scenario	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer	9.01747145		549	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00003-3UG-ALT1WACC Discount Rate Scenario	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer	9.01747145		549	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00003-3UG-PASHybrid Discount Rate Scenario	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer	9.01747145		549	8/20/2026		Undergrounding	Overall Utility Risk
Proj00003-3UG-PASSocietal Discount Rate Scenario	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer	9.01747145		549	8/20/2026		Undergrounding	Overall Utility Risk
Proj00003-3UG-PASWACC Discount Rate Scenario	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer	9.01747145		549	8/20/2026		Undergrounding	Overall Utility Risk
Proj00003-3UG-UGAShybrid Discount Rate Scenario	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer	8.37	11.73	549	8/20/2026	6/24/2027	Undergrounding	Overall Utility Risk
Proj00003-3UG-UGASSocietal Discount Rate Scenario	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer	8.37	11.73	549	8/20/2026	6/24/2027	Undergrounding	Overall Utility Risk
Proj00003-3UG-UGASWACC Discount Rate Scenario	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer	8.37	11.73	549	8/20/2026	6/24/2027	Undergrounding	Overall Utility Risk
Proj00004-3UG-ALT1Hybrid Discount Rate Scenario	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer	0.432857929	1.86	1097	8/20/2026	6/22/2027	Overhead Hardening	Overall Utility Risk
Proj00004-3UG-ALT1Societal Discount Rate Scenario	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer	0.432857929	1.86	1097	8/20/2026	6/22/2027	Overhead Hardening	Overall Utility Risk
Proj00004-3UG-ALT1WACC Discount Rate Scenario	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer	0.432857929	1.86	1097	8/20/2026	6/22/2027	Overhead Hardening	Overall Utility Risk
Proj00004-3UG-PASHybrid Discount Rate Scenario	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer	0.432857929	3.53	1097	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk
Proj00004-3UG-PASSocietal Discount Rate Scenario	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer	0.432857929	3.53	1097	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk
Proj00004-3UG-PASWACC Discount Rate Scenario	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer	0.432857929	3.53	1097	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk
Proj00004-3UG-UGAShybrid Discount Rate Scenario	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer	0.43	0.48	1097	8/20/2026	5/20/2028	Undergrounding	Overall Utility Risk
Proj00004-3UG-UGASSocietal Discount Rate Scenario	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer	0.43	0.48	1097	8/20/2026	5/20/2028	Undergrounding	Overall Utility Risk
Proj00004-3UG-UGASWACC Discount Rate Scenario	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer	0.43	0.48	1097	8/20/2026	5/20/2028	Undergrounding	Overall Utility Risk
Proj00005-3UG-ALT1Hybrid Discount Rate Scenario	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer	5.670887728		2122	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00005-3UG-ALT1Societal Discount Rate Scenario	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer	5.670887728		2122	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00005-3UG-ALT1WACC Discount Rate Scenario	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer	5.670887728		2122	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00005-3UG-PASHybrid Discount Rate Scenario	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer	5.670887728		2122	8/20/2026		Undergrounding	Overall Utility Risk
Proj00005-3UG-PASSocietal Discount Rate Scenario	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer	5.670887728		2122	8/20/2026		Undergrounding	Overall Utility Risk
Proj00005-3UG-PASWACC Discount Rate Scenario	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer	5.670887728		2122	8/20/2026		Undergrounding	Overall Utility Risk
Proj00005-3UG-UGAShybrid Discount Rate Scenario	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer	5.67	6.69	2122	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk
Proj00005-3UG-UGASSocietal Discount Rate Scenario	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer	5.67	6.69	2122	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk
Proj00005-3UG-UGASWACC Discount Rate Scenario	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer	5.67	6.69	2122	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk
Proj00006-3UG-ALT1Hybrid Discount Rate Scenario	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer	1.233338092	3.72	364	8/20/2026	4/10/2028	Overhead Hardening	Overall Utility Risk
Proj00006-3UG-ALT1Societal Discount Rate Scenario	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer	1.233338092	3.72	364	8/20/2026	4/10/2028	Overhead Hardening	Overall Utility Risk
Proj00006-3UG-ALT1WACC Discount Rate Scenario	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer	1.233338092	3.72	364	8/20/2026	4/10/2028	Overhead Hardening	Overall Utility Risk
Proj00006-3UG-PASHybrid Discount Rate Scenario	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer	1.233338092		364	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00006-3UG-PASSocietal Discount Rate Scenario	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer	1.233338092		364	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00006-3UG-PASWACC Discount Rate Scenario	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer	1.233338092		364	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00006-3UG-UGAShybrid Discount Rate Scenario	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer	0.52	0.58	364	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk
Proj00006-3UG-UGASSocietal Discount Rate Scenario	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer	0.52	0.58	364	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk
Proj00006-3UG-UGASWACC Discount Rate Scenario	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer	0.52	0.58	364	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk
Proj00007-3UG-ALT1Hybrid Discount Rate Scenario	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer	8.187804863		1373	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00007-3UG-ALT1Societal Discount Rate Scenario	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer	8.187804863		1373	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00007-3UG-ALT1WACC Discount Rate Scenario	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer	8.187804863		1373	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00007-3UG-PASHybrid Discount Rate Scenario	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer	8.187804863	9.12	1373	8/20/2026	3/7/2028	Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00007-3UG-PASSocietal Discount Rate Scenario	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer	8.187804863	9.12	1373	8/20/2026	3/7/2028	Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00007-3UG-PASWACC Discount Rate Scenario	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer	8.187804863	9.12	1373	8/20/2026	3/7/2028	Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00007-3UG-UGAShybrid Discount Rate Scenario	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer	1.16	1.08	1373	8/20/2026	6/5/2028	Undergrounding	Overall Utility Risk
Proj00007-3UG-UGASSocietal Discount Rate Scenario	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer	1.16	1.08	1373	8/20/2026	6/5/2028	Undergrounding	Overall Utility Risk
Proj00007-3UG-UGASWACC Discount Rate Scenario	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer	1.16	1.08	1373	8/20/2026	6/5/2028	Undergrounding	Overall Utility Risk
Proj00008-3UG-ALT1Hybrid Discount Rate Scenario	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer	21.17834497	2.46	1064	8/20/2026	5/9/2028	Overhead Hardening	Overall Utility Risk
Proj00008-3UG-ALT1Societal Discount Rate Scenario	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer	21.17834497	2.46	1064	8/20/2026	5/9/2028	Overhead Hardening	Overall Utility Risk
Proj00008-3UG-ALT1WACC Discount Rate Scenario	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer	21.17834497	2.46	1064	8/20/2026	5/9/2028	Overhead Hardening	Overall Utility Risk
Proj00008-3UG-PASHybrid Discount Rate Scenario	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer	21.17834497		1064	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00008-3UG-PASSocietal Discount Rate Scenario	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer	21.17834497		1064	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00008-3UG-PASWACC Discount Rate Scenario	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer	21.17834497		1064	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00008-3UG-UGAShybrid Discount Rate Scenario	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer	8.76	13.54	1064	8/20/2026	2/17/2028	Undergrounding	Overall Utility Risk, Ignition Consequence
Proj00008-3UG-UGASSocietal Discount Rate Scenario	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer	8.76	13.54	1064	8/20/2026	2/17/2028	Undergrounding	Overall Utility Risk, Ignition Consequence
Proj00008-3UG-UGASWACC Discount Rate Scenario	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer	8.76	13.54	1064	8/20/2026	2/17/2028	Undergrounding	Overall Utility Risk, Ignition Consequence
Proj00009-3UG-ALT1Hybrid Discount Rate Scenario	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer	7.051437886		957	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00009-3UG-ALT1Societal Discount Rate Scenario	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer	7.051437886		957	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00009-3UG-ALT1WACC Discount Rate Scenario	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer	7.051437886		957	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00009-3UG-PASHybrid Discount Rate Scenario	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer	7.051437886	8.25	957	8/20/2026	1/18/2028	Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00009-3UG-PASSocietal Discount Rate Scenario	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer	7.051437886	8.25	957	8/20/2026	1/18/2028	Overhead Hardening, Undergrounding	Overall Utility Risk

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

sorter	tranche_level	asset_system_list	total_circuit_miles	total_circuit_miles_ug	risk_ranking	scoping_date	start_date	mitigation_type	undergrounding_mitigation_justification1
Proj00009-3UG-PASWACC Discount Rate Scenario	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer	7.051437886	8.25	957	8/20/2026	1/18/2028	Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00009-3UG-UGASHybrid Discount Rate Scenario	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer	6.53	9.12	957	8/20/2026	3/14/2028	Undergrounding	Overall Utility Risk
Proj00009-3UG-UGASSocietal Discount Rate Scenario	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer	6.53	9.12	957	8/20/2026	3/14/2028	Undergrounding	Overall Utility Risk
Proj00009-3UG-UGASWACC Discount Rate Scenario	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer	6.53	9.12	957	8/20/2026	3/14/2028	Undergrounding	Overall Utility Risk
Proj00010-3UG-ALT1Hybrid Discount Rate Scenario	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer	7.815626401	11.43	1111	8/20/2026	2/2/2028	Overhead Hardening	Overall Utility Risk
Proj00010-3UG-ALT1Societal Discount Rate Scenario	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer	7.815626401	11.43	1111	8/20/2026	2/2/2028	Overhead Hardening	Overall Utility Risk
Proj00010-3UG-ALT1WACC Discount Rate Scenario	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer	7.815626401	11.43	1111	8/20/2026	2/2/2028	Overhead Hardening	Overall Utility Risk
Proj00010-3UG-PASHybrid Discount Rate Scenario	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer	7.815626401		1111	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00010-3UG-PASSocietal Discount Rate Scenario	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer	7.815626401		1111	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00010-3UG-PASWACC Discount Rate Scenario	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer	7.815626401		1111	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00010-3UG-UGASHybrid Discount Rate Scenario	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer	6.66	8.25	1111	8/20/2026	2/28/2028	Undergrounding	Overall Utility Risk
Proj00010-3UG-UGASSocietal Discount Rate Scenario	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer	6.66	8.25	1111	8/20/2026	2/28/2028	Undergrounding	Overall Utility Risk
Proj00010-3UG-UGASWACC Discount Rate Scenario	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer	6.66	8.25	1111	8/20/2026	2/28/2028	Undergrounding	Overall Utility Risk
Proj00011-3UG-ALT1Hybrid Discount Rate Scenario	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer	9.351369089		466	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00011-3UG-ALT1Societal Discount Rate Scenario	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer	9.351369089		466	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00011-3UG-ALT1WACC Discount Rate Scenario	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer	9.351369089		466	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00011-3UG-PASHybrid Discount Rate Scenario	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer	9.351369089	11.73	466	8/20/2026	6/24/2027	Undergrounding	Overall Utility Risk
Proj00011-3UG-PASSocietal Discount Rate Scenario	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer	9.351369089	11.73	466	8/20/2026	6/24/2027	Undergrounding	Overall Utility Risk
Proj00011-3UG-PASWACC Discount Rate Scenario	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer	9.351369089	11.73	466	8/20/2026	6/24/2027	Undergrounding	Overall Utility Risk
Proj00011-3UG-UGASHybrid Discount Rate Scenario	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer	4.81	6	466	8/20/2026	3/22/2028	Undergrounding	Overall Utility Risk
Proj00011-3UG-UGASSocietal Discount Rate Scenario	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer	4.81	6	466	8/20/2026	3/22/2028	Undergrounding	Overall Utility Risk
Proj00011-3UG-UGASWACC Discount Rate Scenario	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer	4.81	6	466	8/20/2026	3/22/2028	Undergrounding	Overall Utility Risk
Proj00012-3UG-ALT1Hybrid Discount Rate Scenario	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer	4.854890901	5.45	676	8/20/2026	2/17/2028	Overhead Hardening	Overall Utility Risk
Proj00012-3UG-ALT1Societal Discount Rate Scenario	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer	4.854890901	5.45	676	8/20/2026	2/17/2028	Overhead Hardening	Overall Utility Risk
Proj00012-3UG-ALT1WACC Discount Rate Scenario	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer	4.854890901	5.45	676	8/20/2026	2/17/2028	Overhead Hardening	Overall Utility Risk
Proj00012-3UG-PASHybrid Discount Rate Scenario	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer	4.854890901	6	676	8/20/2026	3/22/2028	Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00012-3UG-PASSocietal Discount Rate Scenario	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer	4.854890901	6	676	8/20/2026	3/22/2028	Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00012-3UG-PASWACC Discount Rate Scenario	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer	4.854890901	6	676	8/20/2026	3/22/2028	Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00012-3UG-UGASHybrid Discount Rate Scenario	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer	3.5	5.51	676	8/20/2026	7/27/2027	Undergrounding	Overall Utility Risk
Proj00012-3UG-UGASSocietal Discount Rate Scenario	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer	3.5	5.51	676	8/20/2026	7/27/2027	Undergrounding	Overall Utility Risk
Proj00012-3UG-UGASWACC Discount Rate Scenario	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer	3.5	5.51	676	8/20/2026	7/27/2027	Undergrounding	Overall Utility Risk
Proj00013-3UG-ALT1Hybrid Discount Rate Scenario	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer	7.715229106		833	8/20/2026		Overhead Hardening	Overall Utility Risk, Ignition Consequence
Proj00013-3UG-ALT1Societal Discount Rate Scenario	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer	7.715229106		833	8/20/2026		Overhead Hardening	Overall Utility Risk, Ignition Consequence
Proj00013-3UG-ALT1WACC Discount Rate Scenario	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer	7.715229106		833	8/20/2026		Overhead Hardening	Overall Utility Risk, Ignition Consequence
Proj00013-3UG-PASHybrid Discount Rate Scenario	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer	7.715229106		833	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00013-3UG-PASSocietal Discount Rate Scenario	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer	7.715229106		833	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00013-3UG-PASWACC Discount Rate Scenario	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer	7.715229106		833	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00013-3UG-UGASHybrid Discount Rate Scenario	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer	7.71	10.48	833	8/20/2026	2/10/2028	Undergrounding	Overall Utility Risk
Proj00013-3UG-UGASSocietal Discount Rate Scenario	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer	7.71	10.48	833	8/20/2026	2/10/2028	Undergrounding	Overall Utility Risk
Proj00013-3UG-UGASWACC Discount Rate Scenario	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer	7.71	10.48	833	8/20/2026	2/10/2028	Undergrounding	Overall Utility Risk
Proj00014-3UG-ALT1Hybrid Discount Rate Scenario	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer	1.260822939	23.4	747	8/20/2026	12/10/2027	Overhead Hardening	Overall Utility Risk, Ignition Consequence
Proj00014-3UG-ALT1Societal Discount Rate Scenario	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer	1.260822939	23.4	747	8/20/2026	12/10/2027	Overhead Hardening	Overall Utility Risk, Ignition Consequence
Proj00014-3UG-ALT1WACC Discount Rate Scenario	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer	1.260822939	23.4	747	8/20/2026	12/10/2027	Overhead Hardening	Overall Utility Risk, Ignition Consequence
Proj00014-3UG-PASHybrid Discount Rate Scenario	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer	1.260822939	0.48	747	8/20/2026	5/20/2028	Undergrounding	Overall Utility Risk
Proj00014-3UG-PASSocietal Discount Rate Scenario	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer	1.260822939	0.48	747	8/20/2026	5/20/2028	Undergrounding	Overall Utility Risk
Proj00014-3UG-PASWACC Discount Rate Scenario	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer	1.260822939	0.48	747	8/20/2026	5/20/2028	Undergrounding	Overall Utility Risk
Proj00014-3UG-UGASHybrid Discount Rate Scenario	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer	1.26	1.29	747	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk
Proj00014-3UG-UGASSocietal Discount Rate Scenario	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer	1.26	1.29	747	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk
Proj00014-3UG-UGASWACC Discount Rate Scenario	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer	1.26	1.29	747	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk
Proj00015-3UG-ALT1Hybrid Discount Rate Scenario	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer	23.28232258		956	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00015-3UG-ALT1Societal Discount Rate Scenario	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer	23.28232258		956	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00015-3UG-ALT1WACC Discount Rate Scenario	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer	23.28232258		956	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00015-3UG-PASHybrid Discount Rate Scenario	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer	23.28232258		956	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00015-3UG-PASSocietal Discount Rate Scenario	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer	23.28232258		956	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00015-3UG-PASWACC Discount Rate Scenario	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer	23.28232258		956	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00015-3UG-UGASHybrid Discount Rate Scenario	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer	18.99	24.03	956	8/20/2026	2/16/2028	Undergrounding	Overall Utility Risk
Proj00015-3UG-UGASSocietal Discount Rate Scenario	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer	18.99	24.03	956	8/20/2026	2/16/2028	Undergrounding	Overall Utility Risk
Proj00015-3UG-UGASWACC Discount Rate Scenario	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer	18.99	24.03	956	8/20/2026	2/16/2028	Undergrounding	Overall Utility Risk
Proj00016-3UG-ALT1Hybrid Discount Rate Scenario	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer	25.69597947	0.28	1870	8/20/2026	2/14/2028	Overhead Hardening	Overall Utility Risk
Proj00016-3UG-ALT1Societal Discount Rate Scenario	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer	25.69597947	0.28	1870	8/20/2026	2/14/2028	Overhead Hardening	Overall Utility Risk
Proj00016-3UG-ALT1WACC Discount Rate Scenario	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer	25.69597947	0.28	1870	8/20/2026	2/14/2028	Overhead Hardening	Overall Utility Risk
Proj00016-3UG-PASHybrid Discount Rate Scenario	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer	25.69597947	5.51	1870	8/20/2026	7/27/2027	Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00016-3UG-PASSocietal Discount Rate Scenario	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer	25.69597947	5.51	1870	8/20/2026	7/27/2027	Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00016-3UG-PASWACC Discount Rate Scenario	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer	25.69597947	5.51	1870	8/20/2026	7/27/2027	Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00016-3UG-UGASHybrid Discount Rate Scenario	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer	1.4	1.86	1870	8/20/2026	6/30/2028	Undergrounding	Overall Utility Risk
Proj00016-3UG-UGASSocietal Discount Rate Scenario	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer	1.4	1.86	1870	8/20/2026	6/30/2028	Undergrounding	Overall Utility Risk
Proj00016-3UG-UGASWACC Discount Rate Scenario	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer	1.4	1.86	1870	8/20/2026	6/30/2028	Undergrounding	Overall Utility Risk
Proj00017-3UG-ALT1Hybrid Discount Rate Scenario	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer	7.252187247		620	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00017-3UG-ALT1Societal Discount Rate Scenario	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer	7.252187247		620	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00017-3UG-ALT1WACC Discount Rate Scenario	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer	7.252187247		620	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00017-3UG-PASHybrid Discount Rate Scenario	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer	7.252187247		620	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00017-3UG-PASSocietal Discount Rate Scenario	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer	7.252187247		620	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00017-3UG-PASWACC Discount Rate Scenario	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer	7.252187247		620	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00017-3UG-UGASHybrid Discount Rate Scenario	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer	2.93	3.72	620	8/20/2026	4/10/2028	Undergrounding	Overall Utility Risk
Proj00017-3UG-UGASSocietal Discount Rate Scenario	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer	2.93	3.72	620	8/20/2026	4/10/2028	Undergrounding	Overall Utility Risk
Proj00017-3UG-UGASWACC Discount Rate Scenario	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer	2.93	3.72	620	8/20/2026	4/10/2028	Undergrounding	Overall Utility Risk
Proj00018-3UG-ALT1Hybrid Discount Rate Scenario	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer	2.67833823	33.55	510	8/20/2026	6/23/2027	Overhead Hardening	Overall Utility Risk
Proj00018-3UG-ALT1Societal Discount Rate Scenario	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer	2.67833823	33.55	510	8/20/2026	6/23/2027	Overhead Hardening	Overall Utility Risk
Proj00018-3UG-ALT1WACC Discount Rate Scenario	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer	2.67833823	33.55	510	8/20/2026	6/23/2027	Overhead Hardening	Overall Utility Risk
Proj00018-3UG-PASHybrid Discount Rate Scenario	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer	2.67833823		510	8/20/2026		Undergrounding	Overall Utility Risk
Proj00018-3UG-PASSocietal Discount Rate Scenario	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer	2.67833823		510	8/20/2026		Undergrounding	Overall Utility Risk
Proj00018-3UG-PASWACC Discount Rate Scenario	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer	2.67833823		510	8/20/2026		Undergrounding	Overall Utility Risk

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

sorter	tranche_level	asset_system_list	total_circuit_miles	total_circuit_miles_ug	risk_ranking	scoping_date	start_date	mitigation_type	undergrounding_mitigation_justification1
Proj00018-3UG-UGASHybrid Discount Rate Scenario	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer	2.395409	2.46	510	8/20/2026	5/9/2028	Undergrounding	Overall Utility Risk
Proj00018-3UG-UGASSocietal Discount Rate Scenario	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer	2.395409	2.46	510	8/20/2026	5/9/2028	Undergrounding	Overall Utility Risk
Proj00018-3UG-UGASWACC Discount Rate Scenario	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer	2.395409	2.46	510	8/20/2026	5/9/2028	Undergrounding	Overall Utility Risk
Proj00019-3UG-ALT1Hybrid Discount Rate Scenario	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer	8.534041043		836	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00019-3UG-ALT1Societal Discount Rate Scenario	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer	8.534041043		836	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00019-3UG-ALT1WACC Discount Rate Scenario	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer	8.534041043		836	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00019-3UG-PASHybrid Discount Rate Scenario	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer	8.534041043	6.69	836	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk
Proj00019-3UG-PASSocietal Discount Rate Scenario	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer	8.534041043	6.69	836	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk
Proj00019-3UG-PASWACC Discount Rate Scenario	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer	8.534041043	6.69	836	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk
Proj00019-3UG-UGASHybrid Discount Rate Scenario	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer	8.53	11.43	836	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk
Proj00019-3UG-UGASSocietal Discount Rate Scenario	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer	8.53	11.43	836	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk
Proj00019-3UG-UGASWACC Discount Rate Scenario	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer	8.53	11.43	836	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk
Proj00020-3UG-ALT1Hybrid Discount Rate Scenario	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer	4.899493871	0.58	2201	8/20/2026	6/6/2028	Overhead Hardening	Overall Utility Risk
Proj00020-3UG-ALT1Societal Discount Rate Scenario	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer	4.899493871	0.58	2201	8/20/2026	6/6/2028	Overhead Hardening	Overall Utility Risk
Proj00020-3UG-ALT1WACC Discount Rate Scenario	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer	4.899493871	0.58	2201	8/20/2026	6/6/2028	Overhead Hardening	Overall Utility Risk
Proj00020-3UG-PASHybrid Discount Rate Scenario	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer	4.899493871		2201	8/20/2026		Undergrounding	Overall Utility Risk
Proj00020-3UG-PASSocietal Discount Rate Scenario	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer	4.899493871		2201	8/20/2026		Undergrounding	Overall Utility Risk
Proj00020-3UG-PASWACC Discount Rate Scenario	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer	4.899493871		2201	8/20/2026		Undergrounding	Overall Utility Risk
Proj00020-3UG-UGASHybrid Discount Rate Scenario	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer	4.9	5.45	2201	8/20/2026	2/17/2028	Undergrounding	Overall Utility Risk
Proj00020-3UG-UGASSocietal Discount Rate Scenario	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer	4.9	5.45	2201	8/20/2026	2/17/2028	Undergrounding	Overall Utility Risk
Proj00020-3UG-UGASWACC Discount Rate Scenario	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer	4.9	5.45	2201	8/20/2026	2/17/2028	Undergrounding	Overall Utility Risk
Proj00021-3UG-ALT1Hybrid Discount Rate Scenario	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer	20.14158015		1634	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00021-3UG-ALT1Societal Discount Rate Scenario	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer	20.14158015		1634	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00021-3UG-ALT1WACC Discount Rate Scenario	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer	20.14158015		1634	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00021-3UG-PASHybrid Discount Rate Scenario	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer	20.14158015	0.58	1634	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk
Proj00021-3UG-PASSocietal Discount Rate Scenario	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer	20.14158015	0.58	1634	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk
Proj00021-3UG-PASWACC Discount Rate Scenario	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer	20.14158015	0.58	1634	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk
Proj00021-3UG-UGASHybrid Discount Rate Scenario	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer	20.14	23.4	1634	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk, Ignition Consequence
Proj00021-3UG-UGASSocietal Discount Rate Scenario	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer	20.14	23.4	1634	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk, Ignition Consequence
Proj00021-3UG-UGASWACC Discount Rate Scenario	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer	20.14	23.4	1634	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk, Ignition Consequence
Proj00022-3UG-ALT1Hybrid Discount Rate Scenario	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer	2.411340082	3.58	1646	8/20/2026	1/4/2028	Overhead Hardening	Overall Utility Risk
Proj00022-3UG-ALT1Societal Discount Rate Scenario	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer	2.411340082	3.58	1646	8/20/2026	1/4/2028	Overhead Hardening	Overall Utility Risk
Proj00022-3UG-ALT1WACC Discount Rate Scenario	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer	2.411340082	3.58	1646	8/20/2026	1/4/2028	Overhead Hardening	Overall Utility Risk
Proj00022-3UG-PASHybrid Discount Rate Scenario	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer	2.411340082	10.48	1646	8/20/2026	2/10/2028	Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00022-3UG-PASSocietal Discount Rate Scenario	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer	2.411340082	10.48	1646	8/20/2026	2/10/2028	Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00022-3UG-PASWACC Discount Rate Scenario	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer	2.411340082	10.48	1646	8/20/2026	2/10/2028	Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00022-3UG-UGASHybrid Discount Rate Scenario	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer	0.28	0.28	1646	8/20/2026	2/14/2028	Undergrounding	Overall Utility Risk
Proj00022-3UG-UGASSocietal Discount Rate Scenario	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer	0.28	0.28	1646	8/20/2026	2/14/2028	Undergrounding	Overall Utility Risk
Proj00022-3UG-UGASWACC Discount Rate Scenario	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer	0.28	0.28	1646	8/20/2026	2/14/2028	Undergrounding	Overall Utility Risk
Proj00023-3UG-ALT1Hybrid Discount Rate Scenario	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer	24.70650298		947	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00023-3UG-ALT1Societal Discount Rate Scenario	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer	24.70650298		947	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00023-3UG-ALT1WACC Discount Rate Scenario	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer	24.70650298		947	8/20/2026		Overhead Hardening	Overall Utility Risk
Proj00023-3UG-PASHybrid Discount Rate Scenario	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer	24.70650298		947	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00023-3UG-PASSocietal Discount Rate Scenario	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer	24.70650298		947	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00023-3UG-PASWACC Discount Rate Scenario	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer	24.70650298		947	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00023-3UG-UGASHybrid Discount Rate Scenario	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer	24.51	33.55	947	8/20/2026	6/23/2027	Undergrounding	Overall Utility Risk
Proj00023-3UG-UGASSocietal Discount Rate Scenario	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer	24.51	33.55	947	8/20/2026	6/23/2027	Undergrounding	Overall Utility Risk
Proj00023-3UG-UGASWACC Discount Rate Scenario	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer	24.51	33.55	947	8/20/2026	6/23/2027	Undergrounding	Overall Utility Risk
Proj00024-3UG-ALT1Hybrid Discount Rate Scenario	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer	1.141460638	3.47	1776	8/20/2026	2/3/2028	Overhead Hardening	Overall Utility Risk
Proj00024-3UG-ALT1Societal Discount Rate Scenario	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer	1.141460638	3.47	1776	8/20/2026	2/3/2028	Overhead Hardening	Overall Utility Risk
Proj00024-3UG-ALT1WACC Discount Rate Scenario	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer	1.141460638	3.47	1776	8/20/2026	2/3/2028	Overhead Hardening	Overall Utility Risk
Proj00024-3UG-PASHybrid Discount Rate Scenario	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer	1.141460638		1776	8/20/2026		Undergrounding	Overall Utility Risk
Proj00024-3UG-PASSocietal Discount Rate Scenario	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer	1.141460638		1776	8/20/2026		Undergrounding	Overall Utility Risk
Proj00024-3UG-PASWACC Discount Rate Scenario	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer	1.141460638		1776	8/20/2026		Undergrounding	Overall Utility Risk
Proj00024-3UG-UGASHybrid Discount Rate Scenario	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer	1.14	0.58	1776	8/20/2026	6/6/2028	Undergrounding	Overall Utility Risk
Proj00024-3UG-UGASSocietal Discount Rate Scenario	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer	1.14	0.58	1776	8/20/2026	6/6/2028	Undergrounding	Overall Utility Risk
Proj00024-3UG-UGASWACC Discount Rate Scenario	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer	1.14	0.58	1776	8/20/2026	6/6/2028	Undergrounding	Overall Utility Risk
Proj00025-3UG-ALT1Hybrid Discount Rate Scenario	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer	2.841383023		1678	8/20/2026		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood
Proj00025-3UG-ALT1Societal Discount Rate Scenario	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer	2.841383023		1678	8/20/2026		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood
Proj00025-3UG-ALT1WACC Discount Rate Scenario	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer	2.841383023		1678	8/20/2026		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood
Proj00025-3UG-PASHybrid Discount Rate Scenario	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer	2.841383023	1.08	1678	8/20/2026	6/5/2028	Undergrounding	Overall Utility Risk
Proj00025-3UG-PASSocietal Discount Rate Scenario	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer	2.841383023	1.08	1678	8/20/2026	6/5/2028	Undergrounding	Overall Utility Risk
Proj00025-3UG-PASWACC Discount Rate Scenario	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer	2.841383023	1.08	1678	8/20/2026	6/5/2028	Undergrounding	Overall Utility Risk
Proj00025-3UG-UGASHybrid Discount Rate Scenario	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer	2.84	3.58	1678	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk
Proj00025-3UG-UGASSocietal Discount Rate Scenario	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer	2.84	3.58	1678	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk
Proj00025-3UG-UGASWACC Discount Rate Scenario	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer	2.84	3.58	1678	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk
Proj00026-3UG-ALT1Hybrid Discount Rate Scenario	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer	3.391908236	1.35	2685	8/20/2026	3/1/2028	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood
Proj00026-3UG-ALT1Societal Discount Rate Scenario	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer	3.391908236	1.35	2685	8/20/2026	3/1/2028	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood
Proj00026-3UG-ALT1WACC Discount Rate Scenario	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer	3.391908236	1.35	2685	8/20/2026	3/1/2028	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood
Proj00026-3UG-PASHybrid Discount Rate Scenario	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer	3.391908236		2685	8/20/2026		Undergrounding	Overall Utility Risk, Ignition Consequence
Proj00026-3UG-PASSocietal Discount Rate Scenario	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer	3.391908236		2685	8/20/2026		Undergrounding	Overall Utility Risk, Ignition Consequence
Proj00026-3UG-PASWACC Discount Rate Scenario	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer	3.391908236		2685	8/20/2026		Undergrounding	Overall Utility Risk, Ignition Consequence
Proj00026-3UG-UGASHybrid Discount Rate Scenario	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer	3.39	3.47	2685	8/20/2026	2/3/2028	Undergrounding	Overall Utility Risk
Proj00026-3UG-UGASSocietal Discount Rate Scenario	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer	3.39	3.47	2685	8/20/2026	2/3/2028	Undergrounding	Overall Utility Risk
Proj00026-3UG-UGASWACC Discount Rate Scenario	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer	3.39	3.47	2685	8/20/2026	2/3/2028	Undergrounding	Overall Utility Risk
Proj00027-3UG-ALT1Hybrid Discount Rate Scenario	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer	1.322067785		215	8/20/2026		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood
Proj00027-3UG-ALT1Societal Discount Rate Scenario	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer	1.322067785		215	8/20/2026		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood
Proj00027-3UG-ALT1WACC Discount Rate Scenario	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer	1.322067785		215	8/20/2026		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood
Proj00027-3UG-PASHybrid Discount Rate Scenario	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer	1.322067785	13.54	215	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk, Ignition Consequence
Proj00027-3UG-PASSocietal Discount Rate Scenario	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer	1.322067785	13.54	215	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk, Ignition Consequence
Proj00027-3UG-PASWACC Discount Rate Scenario	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer	1.322067785	13.54	215	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk, Ignition Consequence
Proj00027-3UG-UGASHybrid Discount Rate Scenario	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer	1.32	1.35	215	8/20/2026	3/1/2028	Undergrounding	Overall Utility Risk, Outage Program Likelihood
Proj00027-3UG-UGASSocietal Discount Rate Scenario	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer	1.32	1.35	215	8/20/2026	3/1/2028	Undergrounding	Overall Utility Risk, Outage Program Likelihood
Proj00027-3UG-UGASWACC Discount Rate Scenario	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer	1.32	1.35	215	8/20/2026	3/1/2028	Undergrounding	Overall Utility Risk, Outage Program Likelihood
Proj00028-3UG-ALT1Hybrid Discount Rate Scenario	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer	3.337301116	2.88	447	8/20/2026	12/15/2027	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood
Proj00028-3UG-ALT1Societal Discount Rate Scenario	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer	3.337301116	2.88	447	8/20/2026	12/15/2027	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood
Proj00028-3UG-ALT1WACC Discount Rate Scenario	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer	3.337301116	2.88	447	8/20/2026	12/15/2027	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood
Proj00028-3UG-PASHybrid Discount Rate Scenario	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer	3.337301116	1.29	447	8/20/2026	1/4/2028	Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00028-3UG-PASSocietal Discount Rate Scenario	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer	3.337301116	1.29	447	8/20/2026	1/4/2028	Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00028-3UG-PASWACC Discount Rate Scenario	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer	3.337301116	1.29	447	8/20/2026	1/4/2028	Overhead Hardening, Undergrounding	Overall Utility Risk
Proj00028-3UG-UGASHybrid Discount Rate Scenario	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer	2.65	2.88	447	8/20/2026	12/15/2027	Undergrounding	Overall Utility Risk, Outage Program Likelihood
Proj00028-3UG-UGASSocietal Discount Rate Scenario	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer	2.65	2.88	447	8/20/2026	12/15/2027	Undergrounding	Overall Utility Risk, Outage Program Likelihood
Proj00028-3UG-UGASWACC Discount Rate Scenario	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer	2.65	2.88	447	8/20/2026	12/15/2027	Undergrounding	Overall Utility Risk, Outage Program Likelihood

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

sorter	undergrounding_mitigation_justification2	status	used_and_useful_date	bcr_year_zero	useful_life	ignition_pre_mitigated_likelihood
Proj00001-3UG-ALT1Hybrid Discount Rate Scenario				2028	48	0.038690036
Proj00001-3UG-ALT1Societal Discount Rate Scenario				2028	48	0.038690036
Proj00001-3UG-ALT1WACC Discount Rate Scenario				2028	48	0.038690036
Proj00001-3UG-PASHybrid Discount Rate Scenario			9/28/2028	2028	55	0.038690036
Proj00001-3UG-PASSocietal Discount Rate Scenario			9/28/2028	2028	55	0.038690036
Proj00001-3UG-PASWACC Discount Rate Scenario			9/28/2028	2028	55	0.038690036
Proj00001-3UG-UGASHybrid Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements	Designing	9/28/2028	2028	55	0.038690036
Proj00001-3UG-UGASSocietal Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements	Designing	9/28/2028	2028	55	0.038690036
Proj00001-3UG-UGASWACC Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements	Designing	9/28/2028	2028	55	0.038690036
Proj00002-3UG-ALT1Hybrid Discount Rate Scenario		Scoping	12/27/2028	2028	48	0.019036013
Proj00002-3UG-ALT1Societal Discount Rate Scenario		Scoping	12/27/2028	2028	48	0.019036013
Proj00002-3UG-ALT1WACC Discount Rate Scenario		Scoping	12/27/2028	2028	48	0.019036013
Proj00002-3UG-PASHybrid Discount Rate Scenario		Designing	9/28/2028	2028	55	0.019036013
Proj00002-3UG-PASSocietal Discount Rate Scenario		Designing	9/28/2028	2028	55	0.019036013
Proj00002-3UG-PASWACC Discount Rate Scenario		Designing	9/28/2028	2028	55	0.019036013
Proj00002-3UG-UGASHybrid Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	11/6/2028	2028	55	0.01073098
Proj00002-3UG-UGASSocietal Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	11/6/2028	2028	55	0.01073098
Proj00002-3UG-UGASWACC Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	11/6/2028	2028	55	0.01073098
Proj00003-3UG-ALT1Hybrid Discount Rate Scenario				2028	48	0.036771713
Proj00003-3UG-ALT1Societal Discount Rate Scenario				2028	48	0.036771713
Proj00003-3UG-ALT1WACC Discount Rate Scenario				2028	48	0.036771713
Proj00003-3UG-PASHybrid Discount Rate Scenario			10/6/2028	2028	55	0.036771713
Proj00003-3UG-PASSocietal Discount Rate Scenario			10/6/2028	2028	55	0.036771713
Proj00003-3UG-PASWACC Discount Rate Scenario			10/6/2028	2028	55	0.036771713
Proj00003-3UG-UGASHybrid Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements	Scoping	10/2/2028	2028	55	0.034121123
Proj00003-3UG-UGASSocietal Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements	Scoping	10/2/2028	2028	55	0.034121123
Proj00003-3UG-UGASWACC Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements	Scoping	10/2/2028	2028	55	0.034121123
Proj00004-3UG-ALT1Hybrid Discount Rate Scenario		Scoping	12/26/2028	2028	48	0.001360101
Proj00004-3UG-ALT1Societal Discount Rate Scenario		Scoping	12/26/2028	2028	48	0.001360101
Proj00004-3UG-ALT1WACC Discount Rate Scenario		Scoping	12/26/2028	2028	48	0.001360101
Proj00004-3UG-PASHybrid Discount Rate Scenario		Scoping	11/6/2028	2028	55	0.001360101
Proj00004-3UG-PASSocietal Discount Rate Scenario		Scoping	11/6/2028	2028	55	0.001360101
Proj00004-3UG-PASWACC Discount Rate Scenario		Scoping	11/6/2028	2028	55	0.001360101
Proj00004-3UG-UGASHybrid Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	10/9/2028	2028	55	0.001360101
Proj00004-3UG-UGASSocietal Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	10/9/2028	2028	55	0.001360101
Proj00004-3UG-UGASWACC Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	10/9/2028	2028	55	0.001360101
Proj00005-3UG-ALT1Hybrid Discount Rate Scenario				2028	48	0.010372174
Proj00005-3UG-ALT1Societal Discount Rate Scenario				2028	48	0.010372174
Proj00005-3UG-ALT1WACC Discount Rate Scenario				2028	48	0.010372174
Proj00005-3UG-PASHybrid Discount Rate Scenario			9/7/2028	2028	55	0.010372174
Proj00005-3UG-PASSocietal Discount Rate Scenario			9/7/2028	2028	55	0.010372174
Proj00005-3UG-PASWACC Discount Rate Scenario			9/7/2028	2028	55	0.010372174
Proj00005-3UG-UGASHybrid Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements	Scoping	10/30/2028	2028	55	0.010372174
Proj00005-3UG-UGASSocietal Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements	Scoping	10/30/2028	2028	55	0.010372174
Proj00005-3UG-UGASWACC Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements	Scoping	10/30/2028	2028	55	0.010372174
Proj00006-3UG-ALT1Hybrid Discount Rate Scenario		Designing	11/2/2028	2028	48	0.012947138
Proj00006-3UG-ALT1Societal Discount Rate Scenario		Designing	11/2/2028	2028	48	0.012947138
Proj00006-3UG-ALT1WACC Discount Rate Scenario		Designing	11/2/2028	2028	48	0.012947138
Proj00006-3UG-PASHybrid Discount Rate Scenario			9/27/2028	2028	55	0.012947138
Proj00006-3UG-PASSocietal Discount Rate Scenario			9/27/2028	2028	55	0.012947138
Proj00006-3UG-PASWACC Discount Rate Scenario			9/27/2028	2028	55	0.012947138
Proj00006-3UG-UGASHybrid Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements	Permitting	8/2/2028	2028	55	0.005458764
Proj00006-3UG-UGASSocietal Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements	Permitting	8/2/2028	2028	55	0.005458764
Proj00006-3UG-UGASWACC Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements	Permitting	8/2/2028	2028	55	0.005458764
Proj00007-3UG-ALT1Hybrid Discount Rate Scenario				2028	48	0.012850274
Proj00007-3UG-ALT1Societal Discount Rate Scenario				2028	48	0.012850274
Proj00007-3UG-ALT1WACC Discount Rate Scenario				2028	48	0.012850274
Proj00007-3UG-PASHybrid Discount Rate Scenario		Scoping	11/16/2028	2028	55	0.012850274
Proj00007-3UG-PASSocietal Discount Rate Scenario		Scoping	11/16/2028	2028	55	0.012850274
Proj00007-3UG-PASWACC Discount Rate Scenario		Scoping	11/16/2028	2028	55	0.012850274
Proj00007-3UG-UGASHybrid Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Designing	11/8/2028	2028	55	0.001820552
Proj00007-3UG-UGASSocietal Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Designing	11/8/2028	2028	55	0.001820552
Proj00007-3UG-UGASWACC Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Designing	11/8/2028	2028	55	0.001820552
Proj00008-3UG-ALT1Hybrid Discount Rate Scenario		Designing	12/13/2028	2028	48	0.026612303
Proj00008-3UG-ALT1Societal Discount Rate Scenario		Designing	12/13/2028	2028	48	0.026612303
Proj00008-3UG-ALT1WACC Discount Rate Scenario		Designing	12/13/2028	2028	48	0.026612303
Proj00008-3UG-PASHybrid Discount Rate Scenario			11/9/2028	2028	55	0.026612303
Proj00008-3UG-PASSocietal Discount Rate Scenario			11/9/2028	2028	55	0.026612303
Proj00008-3UG-PASWACC Discount Rate Scenario			11/9/2028	2028	55	0.026612303
Proj00008-3UG-UGASHybrid Discount Rate Scenario	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	Designing	12/11/2028	2028	55	0.011007651
Proj00008-3UG-UGASSocietal Discount Rate Scenario	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	Designing	12/11/2028	2028	55	0.011007651
Proj00008-3UG-UGASWACC Discount Rate Scenario	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	Designing	12/11/2028	2028	55	0.011007651
Proj00009-3UG-ALT1Hybrid Discount Rate Scenario				2028	48	0.066115336
Proj00009-3UG-ALT1Societal Discount Rate Scenario				2028	48	0.066115336
Proj00009-3UG-ALT1WACC Discount Rate Scenario				2028	48	0.066115336
Proj00009-3UG-PASHybrid Discount Rate Scenario		Scoping	12/22/2028	2028	55	0.066115336
Proj00009-3UG-PASSocietal Discount Rate Scenario		Scoping	12/22/2028	2028	55	0.066115336

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

sorter	undergrounding_mitigation_justification2	status	used_and_useful_date	bcr_year_zero	useful_life	ignition_pre_mitigated_likelihood
Proj00009-3UG-PASWACC Discount Rate Scenario		Scoping	12/22/2028	2028	55	0.066115336
Proj00009-3UG-UGASHybrid Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	11/16/2028	2028	55	0.061226238
Proj00009-3UG-UGASSocietal Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	11/16/2028	2028	55	0.061226238
Proj00009-3UG-UGASWACC Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	11/16/2028	2028	55	0.061226238
Proj00010-3UG-ALT1Hybrid Discount Rate Scenario		Scoping	11/27/2028	2028	48	0.083626211
Proj00010-3UG-ALT1Societal Discount Rate Scenario		Scoping	11/27/2028	2028	48	0.083626211
Proj00010-3UG-ALT1WACC Discount Rate Scenario		Scoping	11/27/2028	2028	48	0.083626211
Proj00010-3UG-PASHybrid Discount Rate Scenario			12/22/2028	2028	55	0.083626211
Proj00010-3UG-PASSocietal Discount Rate Scenario			12/22/2028	2028	55	0.083626211
Proj00010-3UG-PASWACC Discount Rate Scenario			12/22/2028	2028	55	0.083626211
Proj00010-3UG-UGASHybrid Discount Rate Scenario	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	Scoping	12/22/2028	2028	55	0.071261122
Proj00010-3UG-UGASSocietal Discount Rate Scenario	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	Scoping	12/22/2028	2028	55	0.071261122
Proj00010-3UG-UGASWACC Discount Rate Scenario	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	Scoping	12/22/2028	2028	55	0.071261122
Proj00011-3UG-ALT1Hybrid Discount Rate Scenario				2028	48	0.038218947
Proj00011-3UG-ALT1Societal Discount Rate Scenario				2028	48	0.038218947
Proj00011-3UG-ALT1WACC Discount Rate Scenario				2028	48	0.038218947
Proj00011-3UG-PASHybrid Discount Rate Scenario		Scoping	10/2/2028	2028	55	0.038218947
Proj00011-3UG-PASSocietal Discount Rate Scenario		Scoping	10/2/2028	2028	55	0.038218947
Proj00011-3UG-PASWACC Discount Rate Scenario		Scoping	10/2/2028	2028	55	0.038218947
Proj00011-3UG-UGASHybrid Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	11/22/2028	2028	55	0.019664016
Proj00011-3UG-UGASSocietal Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	11/22/2028	2028	55	0.019664016
Proj00011-3UG-UGASWACC Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	11/22/2028	2028	55	0.019664016
Proj00012-3UG-ALT1Hybrid Discount Rate Scenario		Scoping	7/3/2028	2028	48	0.0358941
Proj00012-3UG-ALT1Societal Discount Rate Scenario		Scoping	7/3/2028	2028	48	0.0358941
Proj00012-3UG-ALT1WACC Discount Rate Scenario		Scoping	7/3/2028	2028	48	0.0358941
Proj00012-3UG-PASHybrid Discount Rate Scenario		Scoping	11/22/2028	2028	55	0.0358941
Proj00012-3UG-PASSocietal Discount Rate Scenario		Scoping	11/22/2028	2028	55	0.0358941
Proj00012-3UG-PASWACC Discount Rate Scenario		Scoping	11/22/2028	2028	55	0.0358941
Proj00012-3UG-UGASHybrid Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	8/7/2028	2028	55	0.025876869
Proj00012-3UG-UGASSocietal Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	8/7/2028	2028	55	0.025876869
Proj00012-3UG-UGASWACC Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	8/7/2028	2028	55	0.025876869
Proj00013-3UG-ALT1Hybrid Discount Rate Scenario				2028	48	0.083097701
Proj00013-3UG-ALT1Societal Discount Rate Scenario				2028	48	0.083097701
Proj00013-3UG-ALT1WACC Discount Rate Scenario				2028	48	0.083097701
Proj00013-3UG-PASHybrid Discount Rate Scenario			8/8/2028	2028	55	0.083097701
Proj00013-3UG-PASSocietal Discount Rate Scenario			8/8/2028	2028	55	0.083097701
Proj00013-3UG-PASWACC Discount Rate Scenario			8/8/2028	2028	55	0.083097701
Proj00013-3UG-UGASHybrid Discount Rate Scenario	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	Scoping	8/8/2028	2028	55	0.083097701
Proj00013-3UG-UGASSocietal Discount Rate Scenario	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	Scoping	8/8/2028	2028	55	0.083097701
Proj00013-3UG-UGASWACC Discount Rate Scenario	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	Scoping	8/8/2028	2028	55	0.083097701
Proj00014-3UG-ALT1Hybrid Discount Rate Scenario		Scoping	3/13/2029	2028	48	0.008595652
Proj00014-3UG-ALT1Societal Discount Rate Scenario		Scoping	3/13/2029	2028	48	0.008595652
Proj00014-3UG-ALT1WACC Discount Rate Scenario		Scoping	3/13/2029	2028	48	0.008595652
Proj00014-3UG-PASHybrid Discount Rate Scenario		Scoping	10/9/2028	2028	55	0.008595652
Proj00014-3UG-PASSocietal Discount Rate Scenario		Scoping	10/9/2028	2028	55	0.008595652
Proj00014-3UG-PASWACC Discount Rate Scenario		Scoping	10/9/2028	2028	55	0.008595652
Proj00014-3UG-UGASHybrid Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	7/10/2028	2028	55	0.008595652
Proj00014-3UG-UGASSocietal Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	7/10/2028	2028	55	0.008595652
Proj00014-3UG-UGASWACC Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	7/10/2028	2028	55	0.008595652
Proj00015-3UG-ALT1Hybrid Discount Rate Scenario				2028	48	0.043003742
Proj00015-3UG-ALT1Societal Discount Rate Scenario				2028	48	0.043003742
Proj00015-3UG-ALT1WACC Discount Rate Scenario				2028	48	0.043003742
Proj00015-3UG-PASHybrid Discount Rate Scenario			8/7/2028	2028	55	0.043003742
Proj00015-3UG-PASSocietal Discount Rate Scenario			8/7/2028	2028	55	0.043003742
Proj00015-3UG-PASWACC Discount Rate Scenario			8/7/2028	2028	55	0.043003742
Proj00015-3UG-UGASHybrid Discount Rate Scenario	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	Scoping	12/27/2028	2028	55	0.035075588
Proj00015-3UG-UGASSocietal Discount Rate Scenario	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	Scoping	12/27/2028	2028	55	0.035075588
Proj00015-3UG-UGASWACC Discount Rate Scenario	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	Scoping	12/27/2028	2028	55	0.035075588
Proj00016-3UG-ALT1Hybrid Discount Rate Scenario		Designing	6/1/2028	2028	48	0.040871397
Proj00016-3UG-ALT1Societal Discount Rate Scenario		Designing	6/1/2028	2028	48	0.040871397
Proj00016-3UG-ALT1WACC Discount Rate Scenario		Designing	6/1/2028	2028	48	0.040871397
Proj00016-3UG-PASHybrid Discount Rate Scenario		Scoping	8/7/2028	2028	55	0.040871397
Proj00016-3UG-PASSocietal Discount Rate Scenario		Scoping	8/7/2028	2028	55	0.040871397
Proj00016-3UG-PASWACC Discount Rate Scenario		Scoping	8/7/2028	2028	55	0.040871397
Proj00016-3UG-UGASHybrid Discount Rate Scenario	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	Scoping	12/26/2028	2028	55	0.002226806
Proj00016-3UG-UGASSocietal Discount Rate Scenario	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	Scoping	12/26/2028	2028	55	0.002226806
Proj00016-3UG-UGASWACC Discount Rate Scenario	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	Scoping	12/26/2028	2028	55	0.002226806
Proj00017-3UG-ALT1Hybrid Discount Rate Scenario				2028	48	0.080566102
Proj00017-3UG-ALT1Societal Discount Rate Scenario				2028	48	0.080566102
Proj00017-3UG-ALT1WACC Discount Rate Scenario				2028	48	0.080566102
Proj00017-3UG-PASHybrid Discount Rate Scenario			11/29/2028	2028	55	0.080566102
Proj00017-3UG-PASSocietal Discount Rate Scenario			11/29/2028	2028	55	0.080566102
Proj00017-3UG-PASWACC Discount Rate Scenario			11/29/2028	2028	55	0.080566102
Proj00017-3UG-UGASHybrid Discount Rate Scenario	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	Designing	11/2/2028	2028	55	0.032549985
Proj00017-3UG-UGASSocietal Discount Rate Scenario	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	Designing	11/2/2028	2028	55	0.032549985
Proj00017-3UG-UGASWACC Discount Rate Scenario	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	Designing	11/2/2028	2028	55	0.032549985
Proj00018-3UG-ALT1Hybrid Discount Rate Scenario		Scoping	12/26/2028	2028	48	0.022617177
Proj00018-3UG-ALT1Societal Discount Rate Scenario		Scoping	12/26/2028	2028	48	0.022617177
Proj00018-3UG-ALT1WACC Discount Rate Scenario		Scoping	12/26/2028	2028	48	0.022617177
Proj00018-3UG-PASHybrid Discount Rate Scenario			8/15/2028	2028	55	0.022617177
Proj00018-3UG-PASSocietal Discount Rate Scenario			8/15/2028	2028	55	0.022617177
Proj00018-3UG-PASWACC Discount Rate Scenario			8/15/2028	2028	55	0.022617177

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

sorter	undergrounding_mitigation_justification2	status	used_and_useful_date	bcr_year_zero	useful_life	ignition_pre_mitigated_likelihood
Proj00018-3UG-UGASHybrid Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Designing	12/13/2028	2028	55	0.020171127
Proj00018-3UG-UGASSocietal Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Designing	12/13/2028	2028	55	0.020171127
Proj00018-3UG-UGASWACC Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Designing	12/13/2028	2028	55	0.020171127
Proj00019-3UG-ALT1Hybrid Discount Rate Scenario				2028	48	0.087050782
Proj00019-3UG-ALT1Societal Discount Rate Scenario				2028	48	0.087050782
Proj00019-3UG-ALT1WACC Discount Rate Scenario				2028	48	0.087050782
Proj00019-3UG-PASHybrid Discount Rate Scenario		Scoping	10/30/2028	2028	55	0.087050782
Proj00019-3UG-PASSocietal Discount Rate Scenario		Scoping	10/30/2028	2028	55	0.087050782
Proj00019-3UG-PASWACC Discount Rate Scenario		Scoping	10/30/2028	2028	55	0.087050782
Proj00019-3UG-UGASHybrid Discount Rate Scenario	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	Scoping	11/27/2028	2028	55	0.087050782
Proj00019-3UG-UGASSocietal Discount Rate Scenario	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	Scoping	11/27/2028	2028	55	0.087050782
Proj00019-3UG-UGASWACC Discount Rate Scenario	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	Scoping	11/27/2028	2028	55	0.087050782
Proj00020-3UG-ALT1Hybrid Discount Rate Scenario		Designing	12/11/2028	2028	48	0.060034002
Proj00020-3UG-ALT1Societal Discount Rate Scenario		Designing	12/11/2028	2028	48	0.060034002
Proj00020-3UG-ALT1WACC Discount Rate Scenario		Designing	12/11/2028	2028	48	0.060034002
Proj00020-3UG-PASHybrid Discount Rate Scenario			7/3/2028	2028	55	0.060034002
Proj00020-3UG-PASSocietal Discount Rate Scenario			7/3/2028	2028	55	0.060034002
Proj00020-3UG-PASWACC Discount Rate Scenario			7/3/2028	2028	55	0.060034002
Proj00020-3UG-UGASHybrid Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	7/3/2028	2028	55	0.060034002
Proj00020-3UG-UGASSocietal Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	7/3/2028	2028	55	0.060034002
Proj00020-3UG-UGASWACC Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	7/3/2028	2028	55	0.060034002
Proj00021-3UG-ALT1Hybrid Discount Rate Scenario				2028	48	0.031880978
Proj00021-3UG-ALT1Societal Discount Rate Scenario				2028	48	0.031880978
Proj00021-3UG-ALT1WACC Discount Rate Scenario				2028	48	0.031880978
Proj00021-3UG-PASHybrid Discount Rate Scenario		Permitting	3/13/2029	2028	55	0.031880978
Proj00021-3UG-PASSocietal Discount Rate Scenario		Permitting	8/2/2028	2028	55	0.031880978
Proj00021-3UG-PASWACC Discount Rate Scenario		Permitting	8/2/2028	2028	55	0.031880978
Proj00021-3UG-UGASHybrid Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	3/13/2029	2028	55	0.031880978
Proj00021-3UG-UGASSocietal Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	3/13/2029	2028	55	0.031880978
Proj00021-3UG-UGASWACC Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	3/13/2029	2028	55	0.031880978
Proj00022-3UG-ALT1Hybrid Discount Rate Scenario		Scoping	8/24/2028	2028	48	0.007439318
Proj00022-3UG-ALT1Societal Discount Rate Scenario		Scoping	8/24/2028	2028	48	0.007439318
Proj00022-3UG-ALT1WACC Discount Rate Scenario		Scoping	8/24/2028	2028	48	0.007439318
Proj00022-3UG-PASHybrid Discount Rate Scenario		Scoping	8/8/2028	2028	55	0.007439318
Proj00022-3UG-PASSocietal Discount Rate Scenario		Scoping	8/8/2028	2028	55	0.007439318
Proj00022-3UG-PASWACC Discount Rate Scenario		Scoping	8/8/2028	2028	55	0.007439318
Proj00022-3UG-UGASHybrid Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Designing	5/1/2028	2028	55	0.000863839
Proj00022-3UG-UGASSocietal Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Designing	5/1/2028	2028	55	0.000863839
Proj00022-3UG-UGASWACC Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Designing	5/1/2028	2028	55	0.000863839
Proj00023-3UG-ALT1Hybrid Discount Rate Scenario				2028	48	0.059927617
Proj00023-3UG-ALT1Societal Discount Rate Scenario				2028	48	0.059927617
Proj00023-3UG-ALT1WACC Discount Rate Scenario				2028	48	0.059927617
Proj00023-3UG-PASHybrid Discount Rate Scenario			11/30/2028	2028	55	0.059927617
Proj00023-3UG-PASSocietal Discount Rate Scenario			11/30/2028	2028	55	0.059927617
Proj00023-3UG-PASWACC Discount Rate Scenario			11/30/2028	2028	55	0.059927617
Proj00023-3UG-UGASHybrid Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	12/26/2028	2028	55	0.059450991
Proj00023-3UG-UGASSocietal Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	12/26/2028	2028	55	0.059450991
Proj00023-3UG-UGASWACC Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	12/26/2028	2028	55	0.059450991
Proj00024-3UG-ALT1Hybrid Discount Rate Scenario		Scoping	7/3/2028	2028	48	0.006035938
Proj00024-3UG-ALT1Societal Discount Rate Scenario		Scoping	7/3/2028	2028	48	0.006035938
Proj00024-3UG-ALT1WACC Discount Rate Scenario		Scoping	7/3/2028	2028	48	0.006035938
Proj00024-3UG-PASHybrid Discount Rate Scenario			11/16/2028	2028	55	0.006035938
Proj00024-3UG-PASSocietal Discount Rate Scenario			11/16/2028	2028	55	0.006035938
Proj00024-3UG-PASWACC Discount Rate Scenario			11/16/2028	2028	55	0.006035938
Proj00024-3UG-UGASHybrid Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements	Designing	12/11/2028	2028	55	0.006035938
Proj00024-3UG-UGASSocietal Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements	Designing	12/11/2028	2028	55	0.006035938
Proj00024-3UG-UGASWACC Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements	Designing	12/11/2028	2028	55	0.006035938
Proj00025-3UG-ALT1Hybrid Discount Rate Scenario				2028	48	0.029321136
Proj00025-3UG-ALT1Societal Discount Rate Scenario				2028	48	0.029321136
Proj00025-3UG-ALT1WACC Discount Rate Scenario				2028	48	0.029321136
Proj00025-3UG-PASHybrid Discount Rate Scenario		Designing	11/8/2028	2028	55	0.029321136
Proj00025-3UG-PASSocietal Discount Rate Scenario		Designing	11/8/2028	2028	55	0.029321136
Proj00025-3UG-PASWACC Discount Rate Scenario		Designing	11/8/2028	2028	55	0.029321136
Proj00025-3UG-UGASHybrid Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements	Scoping	8/24/2028	2028	55	0.029321136
Proj00025-3UG-UGASSocietal Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements	Scoping	8/24/2028	2028	55	0.029321136
Proj00025-3UG-UGASWACC Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements	Scoping	8/24/2028	2028	55	0.029321136
Proj00026-3UG-ALT1Hybrid Discount Rate Scenario		Designing	9/1/2028	2028	48	0.031928444
Proj00026-3UG-ALT1Societal Discount Rate Scenario		Designing	9/1/2028	2028	48	0.031928444
Proj00026-3UG-ALT1WACC Discount Rate Scenario		Designing	9/1/2028	2028	48	0.031928444
Proj00026-3UG-PASHybrid Discount Rate Scenario			7/3/2028	2028	55	0.031928444
Proj00026-3UG-PASSocietal Discount Rate Scenario			7/3/2028	2028	55	0.031928444
Proj00026-3UG-PASWACC Discount Rate Scenario			7/3/2028	2028	55	0.031928444
Proj00026-3UG-UGASHybrid Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	7/3/2028	2028	55	0.031928444
Proj00026-3UG-UGASSocietal Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	7/3/2028	2028	55	0.031928444
Proj00026-3UG-UGASWACC Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	7/3/2028	2028	55	0.031928444
Proj00027-3UG-ALT1Hybrid Discount Rate Scenario				2028	48	0.024724523
Proj00027-3UG-ALT1Societal Discount Rate Scenario				2028	48	0.024724523
Proj00027-3UG-ALT1WACC Discount Rate Scenario				2028	48	0.024724523
Proj00027-3UG-PASHybrid Discount Rate Scenario		Permitting	12/11/2028	2028	55	0.024724523
Proj00027-3UG-PASSocietal Discount Rate Scenario		Permitting	12/11/2028	2028	55	0.024724523
Proj00027-3UG-PASWACC Discount Rate Scenario		Permitting	12/11/2028	2028	55	0.024724523
Proj00027-3UG-UGASHybrid Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Designing	9/1/2028	2028	55	0.024724523
Proj00027-3UG-UGASSocietal Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Designing	9/1/2028	2028	55	0.024724523
Proj00027-3UG-UGASWACC Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Designing	9/1/2028	2028	55	0.024724523
Proj00028-3UG-ALT1Hybrid Discount Rate Scenario		Designing	11/3/2028	2028	48	0.006035973
Proj00028-3UG-ALT1Societal Discount Rate Scenario		Designing	11/3/2028	2028	48	0.006035973
Proj00028-3UG-ALT1WACC Discount Rate Scenario		Designing	11/3/2028	2028	48	0.006035973
Proj00028-3UG-PASHybrid Discount Rate Scenario		Scoping	7/10/2028	2028	55	0.006035973
Proj00028-3UG-PASSocietal Discount Rate Scenario		Scoping	7/10/2028	2028	55	0.006035973
Proj00028-3UG-PASWACC Discount Rate Scenario		Scoping	7/10/2028	2028	55	0.006035973
Proj00028-3UG-UGASHybrid Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	11/3/2028	2028	55	0.004792895
Proj00028-3UG-UGASSocietal Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	11/3/2028	2028	55	0.004792895
Proj00028-3UG-UGASWACC Discount Rate Scenario	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR	Scoping	11/3/2028	2028	55	0.004792895

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

sorter	ignition_pre_mitigated_safety_consequences	ignition_pre_mitigated_residential_reliability_consequences	ignition_pre_mitigated_non_residential_reliability_consequences	ignition_pre_mitigated_financial_consequences
Proj00001-3UG-ALT1Hybrid Discount Rate Scenario	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-ALT1Societal Discount Rate Scenario	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-ALT1WACC Discount Rate Scenario	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-PASHybrid Discount Rate Scenario	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-PASSocietal Discount Rate Scenario	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-PASWACC Discount Rate Scenario	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-UGASHybrid Discount Rate Scenario	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-UGASSocietal Discount Rate Scenario	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-UGASWACC Discount Rate Scenario	0.20907354	0.015947042	1.20138439	2.319465716
Proj00002-3UG-ALT1Hybrid Discount Rate Scenario	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-ALT1Societal Discount Rate Scenario	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-ALT1WACC Discount Rate Scenario	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-PASHybrid Discount Rate Scenario	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-PASSocietal Discount Rate Scenario	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-PASWACC Discount Rate Scenario	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-UGASHybrid Discount Rate Scenario	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-UGASSocietal Discount Rate Scenario	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-UGASWACC Discount Rate Scenario	0.248861446	0.018981856	1.430014799	2.760873478
Proj00003-3UG-ALT1Hybrid Discount Rate Scenario	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-ALT1Societal Discount Rate Scenario	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-ALT1WACC Discount Rate Scenario	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-PASHybrid Discount Rate Scenario	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-PASSocietal Discount Rate Scenario	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-PASWACC Discount Rate Scenario	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-UGASHybrid Discount Rate Scenario	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-UGASSocietal Discount Rate Scenario	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-UGASWACC Discount Rate Scenario	0.345171644	0.026327897	1.983435233	3.8293406
Proj00004-3UG-ALT1Hybrid Discount Rate Scenario	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-ALT1Societal Discount Rate Scenario	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-ALT1WACC Discount Rate Scenario	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-PASHybrid Discount Rate Scenario	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-PASSocietal Discount Rate Scenario	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-PASWACC Discount Rate Scenario	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-UGASHybrid Discount Rate Scenario	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-UGASSocietal Discount Rate Scenario	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-UGASWACC Discount Rate Scenario	1.634349235	0.124659656	9.391344592	18.13150061
Proj00005-3UG-ALT1Hybrid Discount Rate Scenario	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-ALT1Societal Discount Rate Scenario	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-ALT1WACC Discount Rate Scenario	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-PASHybrid Discount Rate Scenario	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-PASSocietal Discount Rate Scenario	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-PASWACC Discount Rate Scenario	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-UGASHybrid Discount Rate Scenario	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-UGASSocietal Discount Rate Scenario	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-UGASWACC Discount Rate Scenario	0.639423905	0.048771928	3.674276036	7.093780613
Proj00006-3UG-ALT1Hybrid Discount Rate Scenario	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-ALT1Societal Discount Rate Scenario	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-ALT1WACC Discount Rate Scenario	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-PASHybrid Discount Rate Scenario	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-PASSocietal Discount Rate Scenario	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-PASWACC Discount Rate Scenario	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-UGASHybrid Discount Rate Scenario	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-UGASSocietal Discount Rate Scenario	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-UGASWACC Discount Rate Scenario	0.387692067	0.029571134	2.227767307	4.301062951
Proj00007-3UG-ALT1Hybrid Discount Rate Scenario	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-ALT1Societal Discount Rate Scenario	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-ALT1WACC Discount Rate Scenario	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-PASHybrid Discount Rate Scenario	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-PASSocietal Discount Rate Scenario	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-PASWACC Discount Rate Scenario	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-UGASHybrid Discount Rate Scenario	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-UGASSocietal Discount Rate Scenario	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-UGASWACC Discount Rate Scenario	2.708287253	0.20657406	15.56243812	30.04578882
Proj00008-3UG-ALT1Hybrid Discount Rate Scenario	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-ALT1Societal Discount Rate Scenario	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-ALT1WACC Discount Rate Scenario	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-PASHybrid Discount Rate Scenario	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-PASSocietal Discount Rate Scenario	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-PASWACC Discount Rate Scenario	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-UGASHybrid Discount Rate Scenario	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-UGASSocietal Discount Rate Scenario	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-UGASWACC Discount Rate Scenario	3.642677634	0.277844496	20.93165901	40.41193297
Proj00009-3UG-ALT1Hybrid Discount Rate Scenario	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-ALT1Societal Discount Rate Scenario	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-ALT1WACC Discount Rate Scenario	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-PASHybrid Discount Rate Scenario	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-PASSocietal Discount Rate Scenario	0.236931314	0.018071888	1.361461534	2.628520378

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

sorter	ignition_pre_mitigated_safety_consequences	ignition_pre_mitigated_residential_reliability_consequences	ignition_pre_mitigated_non_residential_reliability_consequences	ignition_pre_mitigated_financial_consequences
Proj00009-3UG-PASWACC Discount Rate Scenario	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-UGAShybrid Discount Rate Scenario	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-UGASSocietal Discount Rate Scenario	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-UGASWACC Discount Rate Scenario	0.236931314	0.018071888	1.361461534	2.628520378
Proj00010-3UG-ALT1Hybrid Discount Rate Scenario	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-ALT1Societal Discount Rate Scenario	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-ALT1WACC Discount Rate Scenario	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-PASHybrid Discount Rate Scenario	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-PASSocietal Discount Rate Scenario	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-PASWACC Discount Rate Scenario	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-UGAShybrid Discount Rate Scenario	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-UGASSocietal Discount Rate Scenario	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-UGASWACC Discount Rate Scenario	0.135632257	0.010345323	0.779373975	1.504706761
Proj00011-3UG-ALT1Hybrid Discount Rate Scenario	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-ALT1Societal Discount Rate Scenario	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-ALT1WACC Discount Rate Scenario	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-PASHybrid Discount Rate Scenario	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-PASSocietal Discount Rate Scenario	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-PASWACC Discount Rate Scenario	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-UGAShybrid Discount Rate Scenario	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-UGASSocietal Discount Rate Scenario	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-UGASWACC Discount Rate Scenario	0.305071258	0.023269248	1.753009238	3.384466171
Proj00012-3UG-ALT1Hybrid Discount Rate Scenario	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-ALT1Societal Discount Rate Scenario	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-ALT1WACC Discount Rate Scenario	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-PASHybrid Discount Rate Scenario	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-PASSocietal Discount Rate Scenario	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-PASWACC Discount Rate Scenario	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-UGAShybrid Discount Rate Scenario	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-UGASSocietal Discount Rate Scenario	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-UGASWACC Discount Rate Scenario	0.3177241	0.024234341	1.825715361	3.52483703
Proj00013-3UG-ALT1Hybrid Discount Rate Scenario	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-ALT1Societal Discount Rate Scenario	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-ALT1WACC Discount Rate Scenario	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-PASHybrid Discount Rate Scenario	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-PASSocietal Discount Rate Scenario	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-PASWACC Discount Rate Scenario	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-UGAShybrid Discount Rate Scenario	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-UGASSocietal Discount Rate Scenario	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-UGASWACC Discount Rate Scenario	0.141865896	0.010820792	0.815193894	1.573862873
Proj00014-3UG-ALT1Hybrid Discount Rate Scenario	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-ALT1Societal Discount Rate Scenario	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-ALT1WACC Discount Rate Scenario	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-PASHybrid Discount Rate Scenario	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-PASSocietal Discount Rate Scenario	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-PASWACC Discount Rate Scenario	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-UGAShybrid Discount Rate Scenario	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-UGASSocietal Discount Rate Scenario	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-UGASWACC Discount Rate Scenario	0.605269929	0.046166841	3.478019478	6.714875776
Proj00015-3UG-ALT1Hybrid Discount Rate Scenario	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-ALT1Societal Discount Rate Scenario	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-ALT1WACC Discount Rate Scenario	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-PASHybrid Discount Rate Scenario	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-PASSocietal Discount Rate Scenario	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-PASWACC Discount Rate Scenario	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-UGAShybrid Discount Rate Scenario	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-UGASSocietal Discount Rate Scenario	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-UGASWACC Discount Rate Scenario	2.693456185	0.205442823	15.47721541	29.88125268
Proj00016-3UG-ALT1Hybrid Discount Rate Scenario	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-ALT1Societal Discount Rate Scenario	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-ALT1WACC Discount Rate Scenario	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-PASHybrid Discount Rate Scenario	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-PASSocietal Discount Rate Scenario	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-PASWACC Discount Rate Scenario	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-UGAShybrid Discount Rate Scenario	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-UGASSocietal Discount Rate Scenario	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-UGASWACC Discount Rate Scenario	2.766387628	0.211005654	15.89629617	30.69035545
Proj00017-3UG-ALT1Hybrid Discount Rate Scenario	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-ALT1Societal Discount Rate Scenario	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-ALT1WACC Discount Rate Scenario	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-PASHybrid Discount Rate Scenario	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-PASSocietal Discount Rate Scenario	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-PASWACC Discount Rate Scenario	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-UGAShybrid Discount Rate Scenario	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-UGASSocietal Discount Rate Scenario	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-UGASWACC Discount Rate Scenario	0.144541341	0.011024861	0.830567612	1.603544308
Proj00018-3UG-ALT1Hybrid Discount Rate Scenario	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-ALT1Societal Discount Rate Scenario	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-ALT1WACC Discount Rate Scenario	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-PASHybrid Discount Rate Scenario	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-PASSocietal Discount Rate Scenario	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-PASWACC Discount Rate Scenario	0.126435696	0.009643857	0.726528433	1.402679947

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

sorter	ignition_pre_mitigated_safety_consequences	ignition_pre_mitigated_residential_reliability_consequences	ignition_pre_mitigated_non_residential_reliability_consequences	ignition_pre_mitigated_financial_consequences
Proj00018-3UG-UGASHybrid Discount Rate Scenario	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-UGASSocietal Discount Rate Scenario	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-UGASWACC Discount Rate Scenario	0.126435696	0.009643857	0.726528433	1.402679947
Proj00019-3UG-ALT1Hybrid Discount Rate Scenario	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-ALT1Societal Discount Rate Scenario	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-ALT1WACC Discount Rate Scenario	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-PASHybrid Discount Rate Scenario	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-PASSocietal Discount Rate Scenario	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-PASWACC Discount Rate Scenario	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-UGASHybrid Discount Rate Scenario	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-UGASSocietal Discount Rate Scenario	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-UGASWACC Discount Rate Scenario	0.215676126	0.016450653	1.239324361	2.392714929
Proj00020-3UG-ALT1Hybrid Discount Rate Scenario	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-ALT1Societal Discount Rate Scenario	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-ALT1WACC Discount Rate Scenario	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-PASHybrid Discount Rate Scenario	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-PASSocietal Discount Rate Scenario	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-PASWACC Discount Rate Scenario	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-UGASHybrid Discount Rate Scenario	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-UGASSocietal Discount Rate Scenario	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-UGASWACC Discount Rate Scenario	0.148893156	0.011356795	0.855574135	1.651823421
Proj00021-3UG-ALT1Hybrid Discount Rate Scenario	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-ALT1Societal Discount Rate Scenario	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-ALT1WACC Discount Rate Scenario	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-PASHybrid Discount Rate Scenario	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-PASSocietal Discount Rate Scenario	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-PASWACC Discount Rate Scenario	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-UGASHybrid Discount Rate Scenario	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-UGASSocietal Discount Rate Scenario	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-UGASWACC Discount Rate Scenario	2.980351373	0.227325695	17.1257808	33.06407319
Proj00022-3UG-ALT1Hybrid Discount Rate Scenario	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-ALT1Societal Discount Rate Scenario	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-ALT1WACC Discount Rate Scenario	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-PASHybrid Discount Rate Scenario	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-PASSocietal Discount Rate Scenario	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-PASWACC Discount Rate Scenario	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-UGASHybrid Discount Rate Scenario	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-UGASSocietal Discount Rate Scenario	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-UGASWACC Discount Rate Scenario	1.828139979	0.139441005	10.50491054	20.2814187
Proj00023-3UG-ALT1Hybrid Discount Rate Scenario	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-ALT1Societal Discount Rate Scenario	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-ALT1WACC Discount Rate Scenario	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-PASHybrid Discount Rate Scenario	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-PASSocietal Discount Rate Scenario	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-PASWACC Discount Rate Scenario	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-UGASHybrid Discount Rate Scenario	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-UGASSocietal Discount Rate Scenario	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-UGASWACC Discount Rate Scenario	2.051081319	0.156445811	11.78598248	22.75473404
Proj00024-3UG-ALT1Hybrid Discount Rate Scenario	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-ALT1Societal Discount Rate Scenario	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-ALT1WACC Discount Rate Scenario	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-PASHybrid Discount Rate Scenario	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-PASSocietal Discount Rate Scenario	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-PASWACC Discount Rate Scenario	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-UGASHybrid Discount Rate Scenario	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-UGASSocietal Discount Rate Scenario	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-UGASWACC Discount Rate Scenario	0.273972814	0.020897221	1.574310465	3.03945946
Proj00025-3UG-ALT1Hybrid Discount Rate Scenario	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-ALT1Societal Discount Rate Scenario	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-ALT1WACC Discount Rate Scenario	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-PASHybrid Discount Rate Scenario	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-PASSocietal Discount Rate Scenario	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-PASWACC Discount Rate Scenario	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-UGASHybrid Discount Rate Scenario	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-UGASSocietal Discount Rate Scenario	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-UGASWACC Discount Rate Scenario	0.526675137	0.040172039	3.026395821	5.842943697
Proj00026-3UG-ALT1Hybrid Discount Rate Scenario	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-ALT1Societal Discount Rate Scenario	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-ALT1WACC Discount Rate Scenario	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-PASHybrid Discount Rate Scenario	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-PASSocietal Discount Rate Scenario	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-PASWACC Discount Rate Scenario	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-UGASHybrid Discount Rate Scenario	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-UGASSocietal Discount Rate Scenario	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-UGASWACC Discount Rate Scenario	0.197686047	0.015078463	1.135949251	2.19313266
Proj00027-3UG-ALT1Hybrid Discount Rate Scenario	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-ALT1Societal Discount Rate Scenario	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-ALT1WACC Discount Rate Scenario	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-PASHybrid Discount Rate Scenario	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-PASSocietal Discount Rate Scenario	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-PASWACC Discount Rate Scenario	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-UGASHybrid Discount Rate Scenario	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-UGASSocietal Discount Rate Scenario	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-UGASWACC Discount Rate Scenario	0.76135095	0.058071889	4.374896729	8.446441502
Proj00028-3UG-ALT1Hybrid Discount Rate Scenario	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-ALT1Societal Discount Rate Scenario	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-ALT1WACC Discount Rate Scenario	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-PASHybrid Discount Rate Scenario	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-PASSocietal Discount Rate Scenario	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-PASWACC Discount Rate Scenario	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-UGASHybrid Discount Rate Scenario	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-UGASSocietal Discount Rate Scenario	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-UGASWACC Discount Rate Scenario	1.231320984	0.093918758	7.075452062	13.66029775

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

sorter	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-ALT1Hybrid Discount Rate Scenario	0.021221899	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-ALT1Societal Discount Rate Scenario	0.021221899	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-ALT1WACC Discount Rate Scenario	0.021221899	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-PASHybrid Discount Rate Scenario	0.002448327	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-PASSocietal Discount Rate Scenario	0.002448327	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-PASWACC Discount Rate Scenario	0.002448327	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-UGASHybrid Discount Rate Scenario	0.002489707	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-UGASSocietal Discount Rate Scenario	0.002489707	0.20907354	0.015947042	1.20138439	2.319465716
Proj00001-3UG-UGASWACC Discount Rate Scenario	0.002489707	0.20907354	0.015947042	1.20138439	2.319465716
Proj00002-3UG-ALT1Hybrid Discount Rate Scenario	0.01458276	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-ALT1Societal Discount Rate Scenario	0.01458276	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-ALT1WACC Discount Rate Scenario	0.01458276	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-PASHybrid Discount Rate Scenario	0.009472083	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-PASSocietal Discount Rate Scenario	0.009472083	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-PASWACC Discount Rate Scenario	0.009472083	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-UGASHybrid Discount Rate Scenario	0.001171718	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-UGASSocietal Discount Rate Scenario	0.001171718	0.248861446	0.018981856	1.430014799	2.760873478
Proj00002-3UG-UGASWACC Discount Rate Scenario	0.001171718	0.248861446	0.018981856	1.430014799	2.760873478
Proj00003-3UG-ALT1Hybrid Discount Rate Scenario	0.022202252	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-ALT1Societal Discount Rate Scenario	0.022202252	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-ALT1WACC Discount Rate Scenario	0.022202252	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-PASHybrid Discount Rate Scenario	0.005698435	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-PASSocietal Discount Rate Scenario	0.005698435	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-PASWACC Discount Rate Scenario	0.005698435	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-UGASHybrid Discount Rate Scenario	0.003081431	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-UGASSocietal Discount Rate Scenario	0.003081431	0.345171644	0.026327897	1.983435233	3.8293406
Proj00003-3UG-UGASWACC Discount Rate Scenario	0.003081431	0.345171644	0.026327897	1.983435233	3.8293406
Proj00004-3UG-ALT1Hybrid Discount Rate Scenario	0.000819263	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-ALT1Societal Discount Rate Scenario	0.000819263	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-ALT1WACC Discount Rate Scenario	0.000819263	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-PASHybrid Discount Rate Scenario	8.38E-05	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-PASSocietal Discount Rate Scenario	8.38E-05	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-PASWACC Discount Rate Scenario	8.38E-05	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-UGASHybrid Discount Rate Scenario	7.62E-05	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-UGASSocietal Discount Rate Scenario	7.62E-05	1.634349235	0.124659656	9.391344592	18.13150061
Proj00004-3UG-UGASWACC Discount Rate Scenario	7.62E-05	1.634349235	0.124659656	9.391344592	18.13150061
Proj00005-3UG-ALT1Hybrid Discount Rate Scenario	0.006319724	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-ALT1Societal Discount Rate Scenario	0.006319724	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-ALT1WACC Discount Rate Scenario	0.006319724	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-PASHybrid Discount Rate Scenario	0.00070538	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-PASSocietal Discount Rate Scenario	0.00070538	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-PASWACC Discount Rate Scenario	0.00070538	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-UGASHybrid Discount Rate Scenario	0.000713912	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-UGASSocietal Discount Rate Scenario	0.000713912	0.639423905	0.048771928	3.674276036	7.093780613
Proj00005-3UG-UGASWACC Discount Rate Scenario	0.000713912	0.639423905	0.048771928	3.674276036	7.093780613
Proj00006-3UG-ALT1Hybrid Discount Rate Scenario	0.007371348	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-ALT1Societal Discount Rate Scenario	0.007371348	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-ALT1WACC Discount Rate Scenario	0.007371348	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-PASHybrid Discount Rate Scenario	0.003741138	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-PASSocietal Discount Rate Scenario	0.003741138	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-PASWACC Discount Rate Scenario	0.003741138	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-UGASHybrid Discount Rate Scenario	0.00049237	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-UGASSocietal Discount Rate Scenario	0.00049237	0.387692067	0.029571134	2.227767307	4.301062951
Proj00006-3UG-UGASWACC Discount Rate Scenario	0.00049237	0.387692067	0.029571134	2.227767307	4.301062951
Proj00007-3UG-ALT1Hybrid Discount Rate Scenario	0.007083777	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-ALT1Societal Discount Rate Scenario	0.007083777	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-ALT1WACC Discount Rate Scenario	0.007083777	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-PASHybrid Discount Rate Scenario	0.00618217	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-PASSocietal Discount Rate Scenario	0.00618217	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-PASWACC Discount Rate Scenario	0.00618217	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-UGASHybrid Discount Rate Scenario	0.000102076	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-UGASSocietal Discount Rate Scenario	0.000102076	2.708287253	0.20657406	15.56243812	30.04578882
Proj00007-3UG-UGASWACC Discount Rate Scenario	0.000102076	2.708287253	0.20657406	15.56243812	30.04578882
Proj00008-3UG-ALT1Hybrid Discount Rate Scenario	0.015603614	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-ALT1Societal Discount Rate Scenario	0.015603614	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-ALT1WACC Discount Rate Scenario	0.015603614	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-PASHybrid Discount Rate Scenario	0.010287227	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-PASSocietal Discount Rate Scenario	0.010287227	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-PASWACC Discount Rate Scenario	0.010287227	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-UGASHybrid Discount Rate Scenario	0.000789675	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-UGASSocietal Discount Rate Scenario	0.000789675	3.642677634	0.277844496	20.93165901	40.41193297
Proj00008-3UG-UGASWACC Discount Rate Scenario	0.000789675	3.642677634	0.277844496	20.93165901	40.41193297
Proj00009-3UG-ALT1Hybrid Discount Rate Scenario	0.037167719	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-ALT1Societal Discount Rate Scenario	0.037167719	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-ALT1WACC Discount Rate Scenario	0.037167719	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-PASHybrid Discount Rate Scenario	0.006461681	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-PASSocietal Discount Rate Scenario	0.006461681	0.236931314	0.018071888	1.361461534	2.628520378

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

sorter	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
Proj00009-3UG-PASWACC Discount Rate Scenario	0.006461681	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-UGASHybrid Discount Rate Scenario	0.004063814	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-UGASSocietal Discount Rate Scenario	0.004063814	0.236931314	0.018071888	1.361461534	2.628520378
Proj00009-3UG-UGASWACC Discount Rate Scenario	0.004063814	0.236931314	0.018071888	1.361461534	2.628520378
Proj00010-3UG-ALT1Hybrid Discount Rate Scenario	0.048214359	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-ALT1Societal Discount Rate Scenario	0.048214359	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-ALT1WACC Discount Rate Scenario	0.048214359	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-PASHybrid Discount Rate Scenario	0.012204157	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-PASSocietal Discount Rate Scenario	0.012204157	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-PASWACC Discount Rate Scenario	0.012204157	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-UGASHybrid Discount Rate Scenario	0.005121054	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-UGASSocietal Discount Rate Scenario	0.005121054	0.135632257	0.010345323	0.779373975	1.504706761
Proj00010-3UG-UGASWACC Discount Rate Scenario	0.005121054	0.135632257	0.010345323	0.779373975	1.504706761
Proj00011-3UG-ALT1Hybrid Discount Rate Scenario	0.029856278	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-ALT1Societal Discount Rate Scenario	0.029856278	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-ALT1WACC Discount Rate Scenario	0.029856278	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-PASHybrid Discount Rate Scenario	0.020300447	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-PASSocietal Discount Rate Scenario	0.020300447	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-PASWACC Discount Rate Scenario	0.020300447	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-UGASHybrid Discount Rate Scenario	0.001758749	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-UGASSocietal Discount Rate Scenario	0.001758749	0.305071258	0.023269248	1.753009238	3.384466171
Proj00011-3UG-UGASWACC Discount Rate Scenario	0.001758749	0.305071258	0.023269248	1.753009238	3.384466171
Proj00012-3UG-ALT1Hybrid Discount Rate Scenario	0.021719065	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-ALT1Societal Discount Rate Scenario	0.021719065	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-ALT1WACC Discount Rate Scenario	0.021719065	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-PASHybrid Discount Rate Scenario	0.008262856	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-PASSocietal Discount Rate Scenario	0.008262856	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-PASWACC Discount Rate Scenario	0.008262856	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-UGASHybrid Discount Rate Scenario	0.002216145	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-UGASSocietal Discount Rate Scenario	0.002216145	0.3177241	0.024234341	1.825715361	3.52483703
Proj00012-3UG-UGASWACC Discount Rate Scenario	0.002216145	0.3177241	0.024234341	1.825715361	3.52483703
Proj00013-3UG-ALT1Hybrid Discount Rate Scenario	0.049924859	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-ALT1Societal Discount Rate Scenario	0.049924859	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-ALT1WACC Discount Rate Scenario	0.049924859	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-PASHybrid Discount Rate Scenario	0.005742894	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-PASSocietal Discount Rate Scenario	0.005742894	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-PASWACC Discount Rate Scenario	0.005742894	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-UGASHybrid Discount Rate Scenario	0.005762999	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-UGASSocietal Discount Rate Scenario	0.005762999	0.141865896	0.010820792	0.815193894	1.573862873
Proj00013-3UG-UGASWACC Discount Rate Scenario	0.005762999	0.141865896	0.010820792	0.815193894	1.573862873
Proj00014-3UG-ALT1Hybrid Discount Rate Scenario	0.004863607	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-ALT1Societal Discount Rate Scenario	0.004863607	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-ALT1WACC Discount Rate Scenario	0.004863607	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-PASHybrid Discount Rate Scenario	0.00057695	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-PASSocietal Discount Rate Scenario	0.00057695	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-PASWACC Discount Rate Scenario	0.00057695	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-UGASHybrid Discount Rate Scenario	0.000579785	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-UGASSocietal Discount Rate Scenario	0.000579785	0.605269929	0.046166841	3.478019478	6.714875776
Proj00014-3UG-UGASWACC Discount Rate Scenario	0.000579785	0.605269929	0.046166841	3.478019478	6.714875776
Proj00015-3UG-ALT1Hybrid Discount Rate Scenario	0.024852853	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-ALT1Societal Discount Rate Scenario	0.024852853	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-ALT1WACC Discount Rate Scenario	0.024852853	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-PASHybrid Discount Rate Scenario	0.006305614	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-PASSocietal Discount Rate Scenario	0.006305614	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-PASWACC Discount Rate Scenario	0.006305614	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-UGASHybrid Discount Rate Scenario	0.002241804	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-UGASSocietal Discount Rate Scenario	0.002241804	2.693456185	0.205442823	15.47721541	29.88125268
Proj00015-3UG-UGASWACC Discount Rate Scenario	0.002241804	2.693456185	0.205442823	15.47721541	29.88125268
Proj00016-3UG-ALT1Hybrid Discount Rate Scenario	0.022994385	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-ALT1Societal Discount Rate Scenario	0.022994385	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-ALT1WACC Discount Rate Scenario	0.022994385	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-PASHybrid Discount Rate Scenario	0.021895215	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-PASSocietal Discount Rate Scenario	0.021895215	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-PASWACC Discount Rate Scenario	0.021895215	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-UGASHybrid Discount Rate Scenario	0.000152655	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-UGASSocietal Discount Rate Scenario	0.000152655	2.766387628	0.211005654	15.89629617	30.69035545
Proj00016-3UG-UGASWACC Discount Rate Scenario	0.000152655	2.766387628	0.211005654	15.89629617	30.69035545
Proj00017-3UG-ALT1Hybrid Discount Rate Scenario	0.043006657	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-ALT1Societal Discount Rate Scenario	0.043006657	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-ALT1WACC Discount Rate Scenario	0.043006657	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-PASHybrid Discount Rate Scenario	0.027833581	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-PASSocietal Discount Rate Scenario	0.027833581	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-PASWACC Discount Rate Scenario	0.027833581	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-UGASHybrid Discount Rate Scenario	0.002229612	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-UGASSocietal Discount Rate Scenario	0.002229612	0.144541341	0.011024861	0.830567612	1.603544308
Proj00017-3UG-UGASWACC Discount Rate Scenario	0.002229612	0.144541341	0.011024861	0.830567612	1.603544308
Proj00018-3UG-ALT1Hybrid Discount Rate Scenario	0.013668731	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-ALT1Societal Discount Rate Scenario	0.013668731	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-ALT1WACC Discount Rate Scenario	0.013668731	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-PASHybrid Discount Rate Scenario	0.003687129	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-PASSocietal Discount Rate Scenario	0.003687129	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-PASWACC Discount Rate Scenario	0.003687129	0.126435696	0.009643857	0.726528433	1.402679947

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

sorter	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
Proj00018-3UG-UGASHybrid Discount Rate Scenario	0.001264612	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-UGASSocietal Discount Rate Scenario	0.001264612	0.126435696	0.009643857	0.726528433	1.402679947
Proj00018-3UG-UGASWACC Discount Rate Scenario	0.001264612	0.126435696	0.009643857	0.726528433	1.402679947
Proj00019-3UG-ALT1Hybrid Discount Rate Scenario	0.047143878	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-ALT1Societal Discount Rate Scenario	0.047143878	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-ALT1WACC Discount Rate Scenario	0.047143878	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-PASHybrid Discount Rate Scenario	0.005471512	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-PASSocietal Discount Rate Scenario	0.005471512	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-PASWACC Discount Rate Scenario	0.005471512	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-UGASHybrid Discount Rate Scenario	0.005516035	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-UGASSocietal Discount Rate Scenario	0.005516035	0.215676126	0.016450653	1.239324361	2.392714929
Proj00019-3UG-UGASWACC Discount Rate Scenario	0.005516035	0.215676126	0.016450653	1.239324361	2.392714929
Proj00020-3UG-ALT1Hybrid Discount Rate Scenario	0.037320886	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-ALT1Societal Discount Rate Scenario	0.037320886	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-ALT1WACC Discount Rate Scenario	0.037320886	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-PASHybrid Discount Rate Scenario	0.003586607	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-PASSocietal Discount Rate Scenario	0.003586607	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-PASWACC Discount Rate Scenario	0.003586607	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-UGASHybrid Discount Rate Scenario	0.003646305	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-UGASSocietal Discount Rate Scenario	0.003646305	0.148893156	0.011356795	0.855574135	1.651823421
Proj00020-3UG-UGASWACC Discount Rate Scenario	0.003646305	0.148893156	0.011356795	0.855574135	1.651823421
Proj00021-3UG-ALT1Hybrid Discount Rate Scenario	0.018046728	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-ALT1Societal Discount Rate Scenario	0.018046728	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-ALT1WACC Discount Rate Scenario	0.018046728	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-PASHybrid Discount Rate Scenario	0.002285749	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-PASSocietal Discount Rate Scenario	0.002285749	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-PASWACC Discount Rate Scenario	0.002285749	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-UGASHybrid Discount Rate Scenario	0.002314351	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-UGASSocietal Discount Rate Scenario	0.002314351	2.980351373	0.227325695	17.1257808	33.06407319
Proj00021-3UG-UGASWACC Discount Rate Scenario	0.002314351	2.980351373	0.227325695	17.1257808	33.06407319
Proj00022-3UG-ALT1Hybrid Discount Rate Scenario	0.004333376	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-ALT1Societal Discount Rate Scenario	0.004333376	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-ALT1WACC Discount Rate Scenario	0.004333376	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-PASHybrid Discount Rate Scenario	0.003905178	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-PASSocietal Discount Rate Scenario	0.003905178	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-PASWACC Discount Rate Scenario	0.003905178	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-UGASHybrid Discount Rate Scenario	7.56E-05	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-UGASSocietal Discount Rate Scenario	7.56E-05	1.828139979	0.139441005	10.50491054	20.2814187
Proj00022-3UG-UGASWACC Discount Rate Scenario	7.56E-05	1.828139979	0.139441005	10.50491054	20.2814187
Proj00023-3UG-ALT1Hybrid Discount Rate Scenario	0.035929905	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-ALT1Societal Discount Rate Scenario	0.035929905	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-ALT1WACC Discount Rate Scenario	0.035929905	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-PASHybrid Discount Rate Scenario	0.004531439	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-PASSocietal Discount Rate Scenario	0.004531439	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-PASWACC Discount Rate Scenario	0.004531439	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-UGASHybrid Discount Rate Scenario	0.004299212	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-UGASSocietal Discount Rate Scenario	0.004299212	2.051081319	0.156445811	11.78598248	22.75473404
Proj00023-3UG-UGASWACC Discount Rate Scenario	0.004299212	2.051081319	0.156445811	11.78598248	22.75473404
Proj00024-3UG-ALT1Hybrid Discount Rate Scenario	0.003602912	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-ALT1Societal Discount Rate Scenario	0.003602912	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-ALT1WACC Discount Rate Scenario	0.003602912	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-PASHybrid Discount Rate Scenario	0.0003804	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-PASSocietal Discount Rate Scenario	0.0003804	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-PASWACC Discount Rate Scenario	0.0003804	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-UGASHybrid Discount Rate Scenario	0.000378623	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-UGASSocietal Discount Rate Scenario	0.000378623	0.273972814	0.020897221	1.574310465	3.03945946
Proj00024-3UG-UGASWACC Discount Rate Scenario	0.000378623	0.273972814	0.020897221	1.574310465	3.03945946
Proj00025-3UG-ALT1Hybrid Discount Rate Scenario	0.015800834	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-ALT1Societal Discount Rate Scenario	0.015800834	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-ALT1WACC Discount Rate Scenario	0.015800834	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-PASHybrid Discount Rate Scenario	0.001879402	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-PASSocietal Discount Rate Scenario	0.001879402	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-PASWACC Discount Rate Scenario	0.001879402	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-UGASHybrid Discount Rate Scenario	0.001893998	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-UGASSocietal Discount Rate Scenario	0.001893998	0.526675137	0.040172039	3.026395821	5.842943697
Proj00025-3UG-UGASWACC Discount Rate Scenario	0.001893998	0.526675137	0.040172039	3.026395821	5.842943697
Proj00026-3UG-ALT1Hybrid Discount Rate Scenario	0.020003967	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-ALT1Societal Discount Rate Scenario	0.020003967	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-ALT1WACC Discount Rate Scenario	0.020003967	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-PASHybrid Discount Rate Scenario	0.00181383	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-PASSocietal Discount Rate Scenario	0.00181383	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-PASWACC Discount Rate Scenario	0.00181383	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-UGASHybrid Discount Rate Scenario	0.0018275	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-UGASSocietal Discount Rate Scenario	0.0018275	0.197686047	0.015078463	1.135949251	2.19313266
Proj00026-3UG-UGASWACC Discount Rate Scenario	0.0018275	0.197686047	0.015078463	1.135949251	2.19313266
Proj00027-3UG-ALT1Hybrid Discount Rate Scenario	0.013800867	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-ALT1Societal Discount Rate Scenario	0.013800867	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-ALT1WACC Discount Rate Scenario	0.013800867	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-PASHybrid Discount Rate Scenario	0.001539168	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-PASSocietal Discount Rate Scenario	0.001539168	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-PASWACC Discount Rate Scenario	0.001539168	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-UGASHybrid Discount Rate Scenario	0.001524825	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-UGASSocietal Discount Rate Scenario	0.001524825	0.76135095	0.058071889	4.374896729	8.446441502
Proj00027-3UG-UGASWACC Discount Rate Scenario	0.001524825	0.76135095	0.058071889	4.374896729	8.446441502
Proj00028-3UG-ALT1Hybrid Discount Rate Scenario	0.004185732	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-ALT1Societal Discount Rate Scenario	0.004185732	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-ALT1WACC Discount Rate Scenario	0.004185732	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-PASHybrid Discount Rate Scenario	0.001279217	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-PASSocietal Discount Rate Scenario	0.001279217	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-PASWACC Discount Rate Scenario	0.001279217	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-UGASHybrid Discount Rate Scenario	0.000354561	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-UGASSocietal Discount Rate Scenario	0.000354561	1.231320984	0.093918758	7.075452062	13.66029775
Proj00028-3UG-UGASWACC Discount Rate Scenario	0.000354561	1.231320984	0.093918758	7.075452062	13.66029775

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

sorter	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
Proj00001-3UG-ALT1Hybrid Discount Rate Scenario	3410.949437	2.78E-05	1.47E-05	0.001007015
Proj00001-3UG-ALT1Societal Discount Rate Scenario	3410.949437	2.78E-05	1.47E-05	0.001007015
Proj00001-3UG-ALT1WACC Discount Rate Scenario	3410.949437	2.78E-05	1.47E-05	0.001007015
Proj00001-3UG-PASHybrid Discount Rate Scenario	3410.949437	2.78E-05	1.47E-05	0.001007015
Proj00001-3UG-PASSocietal Discount Rate Scenario	3410.949437	2.78E-05	1.47E-05	0.001007015
Proj00001-3UG-PASWACC Discount Rate Scenario	3410.949437	2.78E-05	1.47E-05	0.001007015
Proj00001-3UG-UGASHybrid Discount Rate Scenario	3313.172825	2.78E-05	1.47E-05	0.001007015
Proj00001-3UG-UGASSocietal Discount Rate Scenario	3313.172825	2.78E-05	1.47E-05	0.001007015
Proj00001-3UG-UGASWACC Discount Rate Scenario	3313.172825	2.78E-05	1.47E-05	0.001007015
Proj00002-3UG-ALT1Hybrid Discount Rate Scenario	324.3914932		0.000257369	0.005267008
Proj00002-3UG-ALT1Societal Discount Rate Scenario	324.3914932		0.000257369	0.005267008
Proj00002-3UG-ALT1WACC Discount Rate Scenario	324.3914932		0.000257369	0.005267008
Proj00002-3UG-PASHybrid Discount Rate Scenario	324.3914932		0.000257369	0.005267008
Proj00002-3UG-PASSocietal Discount Rate Scenario	324.3914932		0.000257369	0.005267008
Proj00002-3UG-PASWACC Discount Rate Scenario	324.3914932		0.000257369	0.005267008
Proj00002-3UG-UGASHybrid Discount Rate Scenario			0.000257369	0.005267008
Proj00002-3UG-UGASSocietal Discount Rate Scenario			0.000257369	0.005267008
Proj00002-3UG-UGASWACC Discount Rate Scenario			0.000257369	0.005267008
Proj00003-3UG-ALT1Hybrid Discount Rate Scenario	3657.05198	3.94E-05	2.85E-05	0.001252914
Proj00003-3UG-ALT1Societal Discount Rate Scenario	3657.05198	3.94E-05	2.85E-05	0.001252914
Proj00003-3UG-ALT1WACC Discount Rate Scenario	3657.05198	3.94E-05	2.85E-05	0.001252914
Proj00003-3UG-PASHybrid Discount Rate Scenario	3657.05198	3.94E-05	2.85E-05	0.001252914
Proj00003-3UG-PASSocietal Discount Rate Scenario	3657.05198	3.94E-05	2.85E-05	0.001252914
Proj00003-3UG-PASWACC Discount Rate Scenario	3657.05198	3.94E-05	2.85E-05	0.001252914
Proj00003-3UG-UGASHybrid Discount Rate Scenario	3412.808138	3.94E-05	2.85E-05	0.001252914
Proj00003-3UG-UGASSocietal Discount Rate Scenario	3412.808138	3.94E-05	2.85E-05	0.001252914
Proj00003-3UG-UGASWACC Discount Rate Scenario	3412.808138	3.94E-05	2.85E-05	0.001252914
Proj00004-3UG-ALT1Hybrid Discount Rate Scenario	374.3691259	3.41E-05	4.48E-06	0.000119058
Proj00004-3UG-ALT1Societal Discount Rate Scenario	374.3691259	3.41E-05	4.48E-06	0.000119058
Proj00004-3UG-ALT1WACC Discount Rate Scenario	374.3691259	3.41E-05	4.48E-06	0.000119058
Proj00004-3UG-PASHybrid Discount Rate Scenario	374.3691259	3.41E-05	4.48E-06	0.000119058
Proj00004-3UG-PASSocietal Discount Rate Scenario	374.3691259	3.41E-05	4.48E-06	0.000119058
Proj00004-3UG-PASWACC Discount Rate Scenario	374.3691259	3.41E-05	4.48E-06	0.000119058
Proj00004-3UG-UGASHybrid Discount Rate Scenario	374.3257319	3.41E-05	4.48E-06	0.000119058
Proj00004-3UG-UGASSocietal Discount Rate Scenario	374.3257319	3.41E-05	4.48E-06	0.000119058
Proj00004-3UG-UGASWACC Discount Rate Scenario	374.3257319	3.41E-05	4.48E-06	0.000119058
Proj00005-3UG-ALT1Hybrid Discount Rate Scenario	843.0066332	8.35E-06	1.85E-06	0.000303419
Proj00005-3UG-ALT1Societal Discount Rate Scenario	843.0066332	8.35E-06	1.85E-06	0.000303419
Proj00005-3UG-ALT1WACC Discount Rate Scenario	843.0066332	8.35E-06	1.85E-06	0.000303419
Proj00005-3UG-PASHybrid Discount Rate Scenario	843.0066332	8.35E-06	1.85E-06	0.000303419
Proj00005-3UG-PASSocietal Discount Rate Scenario	843.0066332	8.35E-06	1.85E-06	0.000303419
Proj00005-3UG-PASWACC Discount Rate Scenario	843.0066332	8.35E-06	1.85E-06	0.000303419
Proj00005-3UG-UGASHybrid Discount Rate Scenario	842.8730527	8.35E-06	1.85E-06	0.000303419
Proj00005-3UG-UGASSocietal Discount Rate Scenario	842.8730527	8.35E-06	1.85E-06	0.000303419
Proj00005-3UG-UGASWACC Discount Rate Scenario	842.8730527	8.35E-06	1.85E-06	0.000303419
Proj00006-3UG-ALT1Hybrid Discount Rate Scenario	1393.246218	2.50E-05	1.29E-05	0.000813814
Proj00006-3UG-ALT1Societal Discount Rate Scenario	1393.246218	2.50E-05	1.29E-05	0.000813814
Proj00006-3UG-ALT1WACC Discount Rate Scenario	1393.246218	2.50E-05	1.29E-05	0.000813814
Proj00006-3UG-PASHybrid Discount Rate Scenario	1393.246218	2.50E-05	1.29E-05	0.000813814
Proj00006-3UG-PASSocietal Discount Rate Scenario	1393.246218	2.50E-05	1.29E-05	0.000813814
Proj00006-3UG-PASWACC Discount Rate Scenario	1393.246218	2.50E-05	1.29E-05	0.000813814
Proj00006-3UG-UGASHybrid Discount Rate Scenario	638.9961751	2.50E-05	1.29E-05	0.000813814
Proj00006-3UG-UGASSocietal Discount Rate Scenario	638.9961751	2.50E-05	1.29E-05	0.000813814
Proj00006-3UG-UGASWACC Discount Rate Scenario	638.9961751	2.50E-05	1.29E-05	0.000813814
Proj00007-3UG-ALT1Hybrid Discount Rate Scenario	1121.251228	1.25E-05	8.49E-07	0.000465494
Proj00007-3UG-ALT1Societal Discount Rate Scenario	1121.251228	1.25E-05	8.49E-07	0.000465494
Proj00007-3UG-ALT1WACC Discount Rate Scenario	1121.251228	1.25E-05	8.49E-07	0.000465494
Proj00007-3UG-PASHybrid Discount Rate Scenario	1121.251228	1.25E-05	8.49E-07	0.000465494
Proj00007-3UG-PASSocietal Discount Rate Scenario	1121.251228	1.25E-05	8.49E-07	0.000465494
Proj00007-3UG-PASWACC Discount Rate Scenario	1121.251228	1.25E-05	8.49E-07	0.000465494
Proj00007-3UG-UGASHybrid Discount Rate Scenario	127.4861552	1.25E-05	8.49E-07	0.000465494
Proj00007-3UG-UGASSocietal Discount Rate Scenario	127.4861552	1.25E-05	8.49E-07	0.000465494
Proj00007-3UG-UGASWACC Discount Rate Scenario	127.4861552	1.25E-05	8.49E-07	0.000465494
Proj00008-3UG-ALT1Hybrid Discount Rate Scenario	3808.714283	1.90E-05	3.28E-07	0.000698799
Proj00008-3UG-ALT1Societal Discount Rate Scenario	3808.714283	1.90E-05	3.28E-07	0.000698799
Proj00008-3UG-ALT1WACC Discount Rate Scenario	3808.714283	1.90E-05	3.28E-07	0.000698799
Proj00008-3UG-PASHybrid Discount Rate Scenario	3808.714283	1.90E-05	3.28E-07	0.000698799
Proj00008-3UG-PASSocietal Discount Rate Scenario	3808.714283	1.90E-05	3.28E-07	0.000698799
Proj00008-3UG-PASWACC Discount Rate Scenario	3808.714283	1.90E-05	3.28E-07	0.000698799
Proj00008-3UG-UGASHybrid Discount Rate Scenario	2018.566636	1.90E-05	3.28E-07	0.000698799
Proj00008-3UG-UGASSocietal Discount Rate Scenario	2018.566636	1.90E-05	3.28E-07	0.000698799
Proj00008-3UG-UGASWACC Discount Rate Scenario	2018.566636	1.90E-05	3.28E-07	0.000698799
Proj00009-3UG-ALT1Hybrid Discount Rate Scenario	1720.982076	2.06E-05	2.78E-05	0.000788946
Proj00009-3UG-ALT1Societal Discount Rate Scenario	1720.982076	2.06E-05	2.78E-05	0.000788946
Proj00009-3UG-ALT1WACC Discount Rate Scenario	1720.982076	2.06E-05	2.78E-05	0.000788946
Proj00009-3UG-PASHybrid Discount Rate Scenario	1720.982076	2.06E-05	2.78E-05	0.000788946
Proj00009-3UG-PASSocietal Discount Rate Scenario	1720.982076	2.06E-05	2.78E-05	0.000788946

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

sorter	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
Proj00009-3UG-PASWACC Discount Rate Scenario	1720.982076	2.06E-05	2.78E-05	0.000788946
Proj00009-3UG-UGAShybrid Discount Rate Scenario	1666.323004	2.06E-05	2.78E-05	0.000788946
Proj00009-3UG-UGASSocietal Discount Rate Scenario	1666.323004	2.06E-05	2.78E-05	0.000788946
Proj00009-3UG-UGASWACC Discount Rate Scenario	1666.323004	2.06E-05	2.78E-05	0.000788946
Proj00010-3UG-ALT1Hybrid Discount Rate Scenario	903.6831352		5.87E-05	0.001403083
Proj00010-3UG-ALT1Societal Discount Rate Scenario	903.6831352		5.87E-05	0.001403083
Proj00010-3UG-ALT1WACC Discount Rate Scenario	903.6831352		5.87E-05	0.001403083
Proj00010-3UG-PAShybrid Discount Rate Scenario	903.6831352		5.87E-05	0.001403083
Proj00010-3UG-PASSocietal Discount Rate Scenario	903.6831352		5.87E-05	0.001403083
Proj00010-3UG-PASWACC Discount Rate Scenario	903.6831352		5.87E-05	0.001403083
Proj00010-3UG-UGAShybrid Discount Rate Scenario			5.87E-05	0.001403083
Proj00010-3UG-UGASSocietal Discount Rate Scenario			5.87E-05	0.001403083
Proj00010-3UG-UGASWACC Discount Rate Scenario			5.87E-05	0.001403083
Proj00011-3UG-ALT1Hybrid Discount Rate Scenario	3439.483702	5.23E-05	2.92E-05	0.001777666
Proj00011-3UG-ALT1Societal Discount Rate Scenario	3439.483702	5.23E-05	2.92E-05	0.001777666
Proj00011-3UG-ALT1WACC Discount Rate Scenario	3439.483702	5.23E-05	2.92E-05	0.001777666
Proj00011-3UG-PAShybrid Discount Rate Scenario	3439.483702	5.23E-05	2.92E-05	0.001777666
Proj00011-3UG-PASSocietal Discount Rate Scenario	3439.483702	5.23E-05	2.92E-05	0.001777666
Proj00011-3UG-PASWACC Discount Rate Scenario	3439.483702	5.23E-05	2.92E-05	0.001777666
Proj00011-3UG-UGAShybrid Discount Rate Scenario	1956.721147	5.23E-05	2.92E-05	0.001777666
Proj00011-3UG-UGASSocietal Discount Rate Scenario	1956.721147	5.23E-05	2.92E-05	0.001777666
Proj00011-3UG-UGASWACC Discount Rate Scenario	1956.721147	5.23E-05	2.92E-05	0.001777666
Proj00012-3UG-ALT1Hybrid Discount Rate Scenario	3882.940823	1.48E-05	7.66E-06	0.000447944
Proj00012-3UG-ALT1Societal Discount Rate Scenario	3882.940823	1.48E-05	7.66E-06	0.000447944
Proj00012-3UG-ALT1WACC Discount Rate Scenario	3882.940823	1.48E-05	7.66E-06	0.000447944
Proj00012-3UG-PAShybrid Discount Rate Scenario	3882.940823	1.48E-05	7.66E-06	0.000447944
Proj00012-3UG-PASSocietal Discount Rate Scenario	3882.940823	1.48E-05	7.66E-06	0.000447944
Proj00012-3UG-PASWACC Discount Rate Scenario	3882.940823	1.48E-05	7.66E-06	0.000447944
Proj00012-3UG-UGAShybrid Discount Rate Scenario	3340.484125	1.48E-05	7.66E-06	0.000447944
Proj00012-3UG-UGASSocietal Discount Rate Scenario	3340.484125	1.48E-05	7.66E-06	0.000447944
Proj00012-3UG-UGASWACC Discount Rate Scenario	3340.484125	1.48E-05	7.66E-06	0.000447944
Proj00013-3UG-ALT1Hybrid Discount Rate Scenario	1325.549468	3.55E-05	4.87E-05	0.001502186
Proj00013-3UG-ALT1Societal Discount Rate Scenario	1325.549468	3.55E-05	4.87E-05	0.001502186
Proj00013-3UG-ALT1WACC Discount Rate Scenario	1325.549468	3.55E-05	4.87E-05	0.001502186
Proj00013-3UG-PAShybrid Discount Rate Scenario	1325.549468	3.55E-05	4.87E-05	0.001502186
Proj00013-3UG-PASSocietal Discount Rate Scenario	1325.549468	3.55E-05	4.87E-05	0.001502186
Proj00013-3UG-PASWACC Discount Rate Scenario	1325.549468	3.55E-05	4.87E-05	0.001502186
Proj00013-3UG-UGAShybrid Discount Rate Scenario	1012.494481	3.55E-05	4.87E-05	0.001502186
Proj00013-3UG-UGASSocietal Discount Rate Scenario	1012.494481	3.55E-05	4.87E-05	0.001502186
Proj00013-3UG-UGASWACC Discount Rate Scenario	1012.494481	3.55E-05	4.87E-05	0.001502186
Proj00014-3UG-ALT1Hybrid Discount Rate Scenario	75.93918898		0.00024625	0.00427329
Proj00014-3UG-ALT1Societal Discount Rate Scenario	75.93918898		0.00024625	0.00427329
Proj00014-3UG-ALT1WACC Discount Rate Scenario	75.93918898		0.00024625	0.00427329
Proj00014-3UG-PAShybrid Discount Rate Scenario	75.93918898		0.00024625	0.00427329
Proj00014-3UG-PASSocietal Discount Rate Scenario	75.93918898		0.00024625	0.00427329
Proj00014-3UG-PASWACC Discount Rate Scenario	75.93918898		0.00024625	0.00427329
Proj00014-3UG-UGAShybrid Discount Rate Scenario			0.00024625	0.00427329
Proj00014-3UG-UGASSocietal Discount Rate Scenario			0.00024625	0.00427329
Proj00014-3UG-UGASWACC Discount Rate Scenario			0.00024625	0.00427329
Proj00015-3UG-ALT1Hybrid Discount Rate Scenario	4158.88394	3.19E-05	1.52E-05	0.000825703
Proj00015-3UG-ALT1Societal Discount Rate Scenario	4158.88394	3.19E-05	1.52E-05	0.000825703
Proj00015-3UG-ALT1WACC Discount Rate Scenario	4158.88394	3.19E-05	1.52E-05	0.000825703
Proj00015-3UG-PAShybrid Discount Rate Scenario	4158.88394	3.19E-05	1.52E-05	0.000825703
Proj00015-3UG-PASSocietal Discount Rate Scenario	4158.88394	3.19E-05	1.52E-05	0.000825703
Proj00015-3UG-PASWACC Discount Rate Scenario	4158.88394	3.19E-05	1.52E-05	0.000825703
Proj00015-3UG-UGAShybrid Discount Rate Scenario	3879.416278	3.19E-05	1.52E-05	0.000825703
Proj00015-3UG-UGASSocietal Discount Rate Scenario	3879.416278	3.19E-05	1.52E-05	0.000825703
Proj00015-3UG-UGASWACC Discount Rate Scenario	3879.416278	3.19E-05	1.52E-05	0.000825703
Proj00016-3UG-ALT1Hybrid Discount Rate Scenario	388.9214214		2.02E-05	0.000305602
Proj00016-3UG-ALT1Societal Discount Rate Scenario	388.9214214		2.02E-05	0.000305602
Proj00016-3UG-ALT1WACC Discount Rate Scenario	388.9214214		2.02E-05	0.000305602
Proj00016-3UG-PAShybrid Discount Rate Scenario	388.9214214		2.02E-05	0.000305602
Proj00016-3UG-PASSocietal Discount Rate Scenario	388.9214214		2.02E-05	0.000305602
Proj00016-3UG-PASWACC Discount Rate Scenario	388.9214214		2.02E-05	0.000305602
Proj00016-3UG-UGAShybrid Discount Rate Scenario			2.02E-05	0.000305602
Proj00016-3UG-UGASSocietal Discount Rate Scenario			2.02E-05	0.000305602
Proj00016-3UG-UGASWACC Discount Rate Scenario			2.02E-05	0.000305602
Proj00017-3UG-ALT1Hybrid Discount Rate Scenario	1089.35219	4.54E-05	0.000107815	0.002724139
Proj00017-3UG-ALT1Societal Discount Rate Scenario	1089.35219	4.54E-05	0.000107815	0.002724139
Proj00017-3UG-ALT1WACC Discount Rate Scenario	1089.35219	4.54E-05	0.000107815	0.002724139
Proj00017-3UG-PAShybrid Discount Rate Scenario	1089.35219	4.54E-05	0.000107815	0.002724139
Proj00017-3UG-PASSocietal Discount Rate Scenario	1089.35219	4.54E-05	0.000107815	0.002724139
Proj00017-3UG-PASWACC Discount Rate Scenario	1089.35219	4.54E-05	0.000107815	0.002724139
Proj00017-3UG-UGAShybrid Discount Rate Scenario	769.5013648	4.54E-05	0.000107815	0.002724139
Proj00017-3UG-UGASSocietal Discount Rate Scenario	769.5013648	4.54E-05	0.000107815	0.002724139
Proj00017-3UG-UGASWACC Discount Rate Scenario	769.5013648	4.54E-05	0.000107815	0.002724139
Proj00018-3UG-ALT1Hybrid Discount Rate Scenario	913.3353501	5.43E-05	1.25E-05	0.001709971
Proj00018-3UG-ALT1Societal Discount Rate Scenario	913.3353501	5.43E-05	1.25E-05	0.001709971
Proj00018-3UG-ALT1WACC Discount Rate Scenario	913.3353501	5.43E-05	1.25E-05	0.001709971
Proj00018-3UG-PAShybrid Discount Rate Scenario	913.3353501	5.43E-05	1.25E-05	0.001709971
Proj00018-3UG-PASSocietal Discount Rate Scenario	913.3353501	5.43E-05	1.25E-05	0.001709971
Proj00018-3UG-PASWACC Discount Rate Scenario	913.3353501	5.43E-05	1.25E-05	0.001709971

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

sorter	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
Proj00018-3UG-UGASHybrid Discount Rate Scenario	884.8840388	5.43E-05	1.25E-05	0.001709971
Proj00018-3UG-UGASSocietal Discount Rate Scenario	884.8840388	5.43E-05	1.25E-05	0.001709971
Proj00018-3UG-UGASWACC Discount Rate Scenario	884.8840388	5.43E-05	1.25E-05	0.001709971
Proj00019-3UG-ALT1Hybrid Discount Rate Scenario	1141.555531	4.95E-05	9.96E-05	0.001798369
Proj00019-3UG-ALT1Societal Discount Rate Scenario	1141.555531	4.95E-05	9.96E-05	0.001798369
Proj00019-3UG-ALT1WACC Discount Rate Scenario	1141.555531	4.95E-05	9.96E-05	0.001798369
Proj00019-3UG-PASHybrid Discount Rate Scenario	1141.555531	4.95E-05	9.96E-05	0.001798369
Proj00019-3UG-PASSocietal Discount Rate Scenario	1141.555531	4.95E-05	9.96E-05	0.001798369
Proj00019-3UG-PASWACC Discount Rate Scenario	1141.555531	4.95E-05	9.96E-05	0.001798369
Proj00019-3UG-UGASHybrid Discount Rate Scenario	1141.163381	4.95E-05	9.96E-05	0.001798369
Proj00019-3UG-UGASSocietal Discount Rate Scenario	1141.163381	4.95E-05	9.96E-05	0.001798369
Proj00019-3UG-UGASWACC Discount Rate Scenario	1141.163381	4.95E-05	9.96E-05	0.001798369
Proj00020-3UG-ALT1Hybrid Discount Rate Scenario	605.7768869		9.01E-05	0.000146689
Proj00020-3UG-ALT1Societal Discount Rate Scenario	605.7768869		9.01E-05	0.000146689
Proj00020-3UG-ALT1WACC Discount Rate Scenario	605.7768869		9.01E-05	0.000146689
Proj00020-3UG-PASHybrid Discount Rate Scenario	605.7768869		9.01E-05	0.000146689
Proj00020-3UG-PASSocietal Discount Rate Scenario	605.7768869		9.01E-05	0.000146689
Proj00020-3UG-PASWACC Discount Rate Scenario	605.7768869		9.01E-05	0.000146689
Proj00020-3UG-UGASHybrid Discount Rate Scenario			9.01E-05	0.000146689
Proj00020-3UG-UGASSocietal Discount Rate Scenario			9.01E-05	0.000146689
Proj00020-3UG-UGASWACC Discount Rate Scenario			9.01E-05	0.000146689
Proj00021-3UG-ALT1Hybrid Discount Rate Scenario	1209.027281	8.97E-06	1.54E-05	0.000353526
Proj00021-3UG-ALT1Societal Discount Rate Scenario	1209.027281	8.97E-06	1.54E-05	0.000353526
Proj00021-3UG-ALT1WACC Discount Rate Scenario	1209.027281	8.97E-06	1.54E-05	0.000353526
Proj00021-3UG-PASHybrid Discount Rate Scenario	1209.027281	8.97E-06	1.54E-05	0.000353526
Proj00021-3UG-PASSocietal Discount Rate Scenario	1209.027281	8.97E-06	1.54E-05	0.000353526
Proj00021-3UG-PASWACC Discount Rate Scenario	1209.027281	8.97E-06	1.54E-05	0.000353526
Proj00021-3UG-UGASHybrid Discount Rate Scenario	1199.994351	8.97E-06	1.54E-05	0.000353526
Proj00021-3UG-UGASSocietal Discount Rate Scenario	1199.994351	8.97E-06	1.54E-05	0.000353526
Proj00021-3UG-UGASWACC Discount Rate Scenario	1199.994351	8.97E-06	1.54E-05	0.000353526
Proj00022-3UG-ALT1Hybrid Discount Rate Scenario	59.31931545		1.97E-05	0.000152795
Proj00022-3UG-ALT1Societal Discount Rate Scenario	59.31931545		1.97E-05	0.000152795
Proj00022-3UG-ALT1WACC Discount Rate Scenario	59.31931545		1.97E-05	0.000152795
Proj00022-3UG-PASHybrid Discount Rate Scenario	59.31931545		1.97E-05	0.000152795
Proj00022-3UG-PASSocietal Discount Rate Scenario	59.31931545		1.97E-05	0.000152795
Proj00022-3UG-PASWACC Discount Rate Scenario	59.31931545		1.97E-05	0.000152795
Proj00022-3UG-UGASHybrid Discount Rate Scenario			1.97E-05	0.000152795
Proj00022-3UG-UGASSocietal Discount Rate Scenario			1.97E-05	0.000152795
Proj00022-3UG-UGASWACC Discount Rate Scenario			1.97E-05	0.000152795
Proj00023-3UG-ALT1Hybrid Discount Rate Scenario	1120.258011	4.46E-05	6.62E-05	0.003312488
Proj00023-3UG-ALT1Societal Discount Rate Scenario	1120.258011	4.46E-05	6.62E-05	0.003312488
Proj00023-3UG-ALT1WACC Discount Rate Scenario	1120.258011	4.46E-05	6.62E-05	0.003312488
Proj00023-3UG-PASHybrid Discount Rate Scenario	1120.258011	4.46E-05	6.62E-05	0.003312488
Proj00023-3UG-PASSocietal Discount Rate Scenario	1120.258011	4.46E-05	6.62E-05	0.003312488
Proj00023-3UG-PASWACC Discount Rate Scenario	1120.258011	4.46E-05	6.62E-05	0.003312488
Proj00023-3UG-UGASHybrid Discount Rate Scenario	1114.376323	4.46E-05	6.62E-05	0.003312488
Proj00023-3UG-UGASSocietal Discount Rate Scenario	1114.376323	4.46E-05	6.62E-05	0.003312488
Proj00023-3UG-UGASWACC Discount Rate Scenario	1114.376323	4.46E-05	6.62E-05	0.003312488
Proj00024-3UG-ALT1Hybrid Discount Rate Scenario	372.1575865	5.54E-06	6.04E-07	0.000204173
Proj00024-3UG-ALT1Societal Discount Rate Scenario	372.1575865	5.54E-06	6.04E-07	0.000204173
Proj00024-3UG-ALT1WACC Discount Rate Scenario	372.1575865	5.54E-06	6.04E-07	0.000204173
Proj00024-3UG-PASHybrid Discount Rate Scenario	372.1575865	5.54E-06	6.04E-07	0.000204173
Proj00024-3UG-PASSocietal Discount Rate Scenario	372.1575865	5.54E-06	6.04E-07	0.000204173
Proj00024-3UG-PASWACC Discount Rate Scenario	372.1575865	5.54E-06	6.04E-07	0.000204173
Proj00024-3UG-UGASHybrid Discount Rate Scenario	372.0792355	5.54E-06	6.04E-07	0.000204173
Proj00024-3UG-UGASSocietal Discount Rate Scenario	372.0792355	5.54E-06	6.04E-07	0.000204173
Proj00024-3UG-UGASWACC Discount Rate Scenario	372.0792355	5.54E-06	6.04E-07	0.000204173
Proj00025-3UG-ALT1Hybrid Discount Rate Scenario	48.44933764		2.57E-05	0.000269206
Proj00025-3UG-ALT1Societal Discount Rate Scenario	48.44933764		2.57E-05	0.000269206
Proj00025-3UG-ALT1WACC Discount Rate Scenario	48.44933764		2.57E-05	0.000269206
Proj00025-3UG-PASHybrid Discount Rate Scenario	48.44933764		2.57E-05	0.000269206
Proj00025-3UG-PASSocietal Discount Rate Scenario	48.44933764		2.57E-05	0.000269206
Proj00025-3UG-PASWACC Discount Rate Scenario	48.44933764		2.57E-05	0.000269206
Proj00025-3UG-UGASHybrid Discount Rate Scenario			2.57E-05	0.000269206
Proj00025-3UG-UGASSocietal Discount Rate Scenario			2.57E-05	0.000269206
Proj00025-3UG-UGASWACC Discount Rate Scenario			2.57E-05	0.000269206
Proj00026-3UG-ALT1Hybrid Discount Rate Scenario	280.2253992		6.27E-06	6.89E-05
Proj00026-3UG-ALT1Societal Discount Rate Scenario	280.2253992		6.27E-06	6.89E-05
Proj00026-3UG-ALT1WACC Discount Rate Scenario	280.2253992		6.27E-06	6.89E-05
Proj00026-3UG-PASHybrid Discount Rate Scenario	280.2253992		6.27E-06	6.89E-05
Proj00026-3UG-PASSocietal Discount Rate Scenario	280.2253992		6.27E-06	6.89E-05
Proj00026-3UG-PASWACC Discount Rate Scenario	280.2253992		6.27E-06	6.89E-05
Proj00026-3UG-UGASHybrid Discount Rate Scenario			6.27E-06	6.89E-05
Proj00026-3UG-UGASSocietal Discount Rate Scenario			6.27E-06	6.89E-05
Proj00026-3UG-UGASWACC Discount Rate Scenario			6.27E-06	6.89E-05
Proj00027-3UG-ALT1Hybrid Discount Rate Scenario	11091.54147	1.88E-05	2.22E-07	0.000247624
Proj00027-3UG-ALT1Societal Discount Rate Scenario	11091.54147	1.88E-05	2.22E-07	0.000247624
Proj00027-3UG-ALT1WACC Discount Rate Scenario	11091.54147	1.88E-05	2.22E-07	0.000247624
Proj00027-3UG-PASHybrid Discount Rate Scenario	11091.54147	1.88E-05	2.22E-07	0.000247624
Proj00027-3UG-PASSocietal Discount Rate Scenario	11091.54147	1.88E-05	2.22E-07	0.000247624
Proj00027-3UG-PASWACC Discount Rate Scenario	11091.54147	1.88E-05	2.22E-07	0.000247624
Proj00027-3UG-UGASHybrid Discount Rate Scenario	11091.01463	1.88E-05	2.22E-07	0.000247624
Proj00027-3UG-UGASSocietal Discount Rate Scenario	11091.01463	1.88E-05	2.22E-07	0.000247624
Proj00027-3UG-UGASWACC Discount Rate Scenario	11091.01463	1.88E-05	2.22E-07	0.000247624
Proj00028-3UG-ALT1Hybrid Discount Rate Scenario	8270.245107	1.59E-05	2.39E-06	0.000289132
Proj00028-3UG-ALT1Societal Discount Rate Scenario	8270.245107	1.59E-05	2.39E-06	0.000289132
Proj00028-3UG-ALT1WACC Discount Rate Scenario	8270.245107	1.59E-05	2.39E-06	0.000289132
Proj00028-3UG-PASHybrid Discount Rate Scenario	8270.245107	1.59E-05	2.39E-06	0.000289132
Proj00028-3UG-PASSocietal Discount Rate Scenario	8270.245107	1.59E-05	2.39E-06	0.000289132
Proj00028-3UG-PASWACC Discount Rate Scenario	8270.245107	1.59E-05	2.39E-06	0.000289132
Proj00028-3UG-UGASHybrid Discount Rate Scenario	7141.72616	1.59E-05	2.39E-06	0.000289132
Proj00028-3UG-UGASSocietal Discount Rate Scenario	7141.72616	1.59E-05	2.39E-06	0.000289132
Proj00028-3UG-UGASWACC Discount Rate Scenario	7141.72616	1.59E-05	2.39E-06	0.000289132

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

sorter	outage_program_pre_mitigated_financial_consequences	outage_program_post_mitigated_likelihood	outage_program_post_mitigated_safety_consequences	outage_program_post_mitigated_residential_reliability_consequences
Proj00001-3UG-ALT1Hybrid Discount Rate Scenario	0	3257.461895	2.78E-05	1.47E-05
Proj00001-3UG-ALT1Societal Discount Rate Scenario	0	3257.461895	2.78E-05	1.47E-05
Proj00001-3UG-ALT1WACC Discount Rate Scenario	0	3257.461895	2.78E-05	1.47E-05
Proj00001-3UG-PASHybrid Discount Rate Scenario	0	0	2.78E-05	1.47E-05
Proj00001-3UG-PASSocietal Discount Rate Scenario	0	0	2.78E-05	1.47E-05
Proj00001-3UG-PASWACC Discount Rate Scenario	0	0	2.78E-05	1.47E-05
Proj00001-3UG-UGASHybrid Discount Rate Scenario	0	0	2.78E-05	1.47E-05
Proj00001-3UG-UGASSocietal Discount Rate Scenario	0	0	2.78E-05	1.47E-05
Proj00001-3UG-UGASWACC Discount Rate Scenario	0	0	2.78E-05	1.47E-05
Proj00002-3UG-ALT1Hybrid Discount Rate Scenario	0	229.3489084		0.000257369
Proj00002-3UG-ALT1Societal Discount Rate Scenario	0	229.3489084		0.000257369
Proj00002-3UG-ALT1WACC Discount Rate Scenario	0	229.3489084		0.000257369
Proj00002-3UG-PASHybrid Discount Rate Scenario	0	141.6172917		0.000257369
Proj00002-3UG-PASSocietal Discount Rate Scenario	0	141.6172917		0.000257369
Proj00002-3UG-PASWACC Discount Rate Scenario	0	141.6172917		0.000257369
Proj00002-3UG-UGASHybrid Discount Rate Scenario	0	0		0.000257369
Proj00002-3UG-UGASSocietal Discount Rate Scenario	0	0		0.000257369
Proj00002-3UG-UGASWACC Discount Rate Scenario	0	0		0.000257369
Proj00003-3UG-ALT1Hybrid Discount Rate Scenario	0	2834.494498	3.94E-05	2.85E-05
Proj00003-3UG-ALT1Societal Discount Rate Scenario	0	2834.494498	3.94E-05	2.85E-05
Proj00003-3UG-ALT1WACC Discount Rate Scenario	0	2834.494498	3.94E-05	2.85E-05
Proj00003-3UG-PASHybrid Discount Rate Scenario	0	251.4855447	3.94E-05	2.85E-05
Proj00003-3UG-PASSocietal Discount Rate Scenario	0	251.4855447	3.94E-05	2.85E-05
Proj00003-3UG-PASWACC Discount Rate Scenario	0	251.4855447	3.94E-05	2.85E-05
Proj00003-3UG-UGASHybrid Discount Rate Scenario	0	0	3.94E-05	2.85E-05
Proj00003-3UG-UGASSocietal Discount Rate Scenario	0	0	3.94E-05	2.85E-05
Proj00003-3UG-UGASWACC Discount Rate Scenario	0	0	3.94E-05	2.85E-05
Proj00004-3UG-ALT1Hybrid Discount Rate Scenario	0	187.55209	3.41E-05	4.48E-06
Proj00004-3UG-ALT1Societal Discount Rate Scenario	0	187.55209	3.41E-05	4.48E-06
Proj00004-3UG-ALT1WACC Discount Rate Scenario	0	187.55209	3.41E-05	4.48E-06
Proj00004-3UG-PASHybrid Discount Rate Scenario	0	2.389520227	3.41E-05	4.48E-06
Proj00004-3UG-PASSocietal Discount Rate Scenario	0	2.389520227	3.41E-05	4.48E-06
Proj00004-3UG-PASWACC Discount Rate Scenario	0	2.389520227	3.41E-05	4.48E-06
Proj00004-3UG-UGASHybrid Discount Rate Scenario	0	0	3.41E-05	4.48E-06
Proj00004-3UG-UGASSocietal Discount Rate Scenario	0	0	3.41E-05	4.48E-06
Proj00004-3UG-UGASWACC Discount Rate Scenario	0	0	3.41E-05	4.48E-06
Proj00005-3UG-ALT1Hybrid Discount Rate Scenario	0	785.285084	8.35E-06	1.85E-06
Proj00005-3UG-ALT1Societal Discount Rate Scenario	0	785.285084	8.35E-06	1.85E-06
Proj00005-3UG-ALT1WACC Discount Rate Scenario	0	785.285084	8.35E-06	1.85E-06
Proj00005-3UG-PASHybrid Discount Rate Scenario	0	0.133593598	8.35E-06	1.85E-06
Proj00005-3UG-PASSocietal Discount Rate Scenario	0	0.133593598	8.35E-06	1.85E-06
Proj00005-3UG-PASWACC Discount Rate Scenario	0	0.133593598	8.35E-06	1.85E-06
Proj00005-3UG-UGASHybrid Discount Rate Scenario	0	0	8.35E-06	1.85E-06
Proj00005-3UG-UGASSocietal Discount Rate Scenario	0	0	8.35E-06	1.85E-06
Proj00005-3UG-UGASWACC Discount Rate Scenario	0	0	8.35E-06	1.85E-06
Proj00006-3UG-ALT1Hybrid Discount Rate Scenario	0	972.963162	2.50E-05	1.29E-05
Proj00006-3UG-ALT1Societal Discount Rate Scenario	0	972.963162	2.50E-05	1.29E-05
Proj00006-3UG-ALT1WACC Discount Rate Scenario	0	972.963162	2.50E-05	1.29E-05
Proj00006-3UG-PASHybrid Discount Rate Scenario	0	395.5617359	2.50E-05	1.29E-05
Proj00006-3UG-PASSocietal Discount Rate Scenario	0	395.5617359	2.50E-05	1.29E-05
Proj00006-3UG-PASWACC Discount Rate Scenario	0	395.5617359	2.50E-05	1.29E-05
Proj00006-3UG-UGASHybrid Discount Rate Scenario	0	0	2.50E-05	1.29E-05
Proj00006-3UG-UGASSocietal Discount Rate Scenario	0	0	2.50E-05	1.29E-05
Proj00006-3UG-UGASWACC Discount Rate Scenario	0	0	2.50E-05	1.29E-05
Proj00007-3UG-ALT1Hybrid Discount Rate Scenario	0	1071.889071	1.25E-05	8.49E-07
Proj00007-3UG-ALT1Societal Discount Rate Scenario	0	1071.889071	1.25E-05	8.49E-07
Proj00007-3UG-ALT1WACC Discount Rate Scenario	0	1071.889071	1.25E-05	8.49E-07
Proj00007-3UG-PASHybrid Discount Rate Scenario	0	953.1857103	1.25E-05	8.49E-07
Proj00007-3UG-PASSocietal Discount Rate Scenario	0	953.1857103	1.25E-05	8.49E-07
Proj00007-3UG-PASWACC Discount Rate Scenario	0	953.1857103	1.25E-05	8.49E-07
Proj00007-3UG-UGASHybrid Discount Rate Scenario	0	0	1.25E-05	8.49E-07
Proj00007-3UG-UGASSocietal Discount Rate Scenario	0	0	1.25E-05	8.49E-07
Proj00007-3UG-UGASWACC Discount Rate Scenario	0	0	1.25E-05	8.49E-07
Proj00008-3UG-ALT1Hybrid Discount Rate Scenario	0	3662.541523	1.90E-05	3.28E-07
Proj00008-3UG-ALT1Societal Discount Rate Scenario	0	3662.541523	1.90E-05	3.28E-07
Proj00008-3UG-ALT1WACC Discount Rate Scenario	0	3662.541523	1.90E-05	3.28E-07
Proj00008-3UG-PASHybrid Discount Rate Scenario	0	1609.249745	1.90E-05	3.28E-07
Proj00008-3UG-PASSocietal Discount Rate Scenario	0	1609.249745	1.90E-05	3.28E-07
Proj00008-3UG-PASWACC Discount Rate Scenario	0	1609.249745	1.90E-05	3.28E-07
Proj00008-3UG-UGASHybrid Discount Rate Scenario	0	0	1.90E-05	3.28E-07
Proj00008-3UG-UGASSocietal Discount Rate Scenario	0	0	1.90E-05	3.28E-07
Proj00008-3UG-UGASWACC Discount Rate Scenario	0	0	1.90E-05	3.28E-07
Proj00009-3UG-ALT1Hybrid Discount Rate Scenario	0	1282.22072	2.06E-05	2.78E-05
Proj00009-3UG-ALT1Societal Discount Rate Scenario	0	1282.22072	2.06E-05	2.78E-05
Proj00009-3UG-ALT1WACC Discount Rate Scenario	0	1282.22072	2.06E-05	2.78E-05
Proj00009-3UG-PASHybrid Discount Rate Scenario	0	26.39123199	2.06E-05	2.78E-05
Proj00009-3UG-PASSocietal Discount Rate Scenario	0	26.39123199	2.06E-05	2.78E-05

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

sorter	outage_program_pre_mitigated_financial_consequences	outage_program_post_mitigated_likelihood	outage_program_post_mitigated_safety_consequences	outage_program_post_mitigated_residential_reliability_consequences
Proj00009-3UG-PASWACC Discount Rate Scenario	0	26.39123199	2.06E-05	2.78E-05
Proj00009-3UG-UGASHybrid Discount Rate Scenario	0	0	2.06E-05	2.78E-05
Proj00009-3UG-UGASSocietal Discount Rate Scenario	0	0	2.06E-05	2.78E-05
Proj00009-3UG-UGASWACC Discount Rate Scenario	0	0	2.06E-05	2.78E-05
Proj00010-3UG-ALT1Hybrid Discount Rate Scenario	0	433.7679049		5.87E-05
Proj00010-3UG-ALT1Societal Discount Rate Scenario	0	433.7679049		5.87E-05
Proj00010-3UG-ALT1WACC Discount Rate Scenario	0	433.7679049		5.87E-05
Proj00010-3UG-PASHybrid Discount Rate Scenario	0	64.38006529		5.87E-05
Proj00010-3UG-PASSocietal Discount Rate Scenario	0	64.38006529		5.87E-05
Proj00010-3UG-PASWACC Discount Rate Scenario	0	64.38006529		5.87E-05
Proj00010-3UG-UGASHybrid Discount Rate Scenario	0	0		5.87E-05
Proj00010-3UG-UGASSocietal Discount Rate Scenario	0	0		5.87E-05
Proj00010-3UG-UGASWACC Discount Rate Scenario	0	0		5.87E-05
Proj00011-3UG-ALT1Hybrid Discount Rate Scenario	0	3152.395791	5.23E-05	2.92E-05
Proj00011-3UG-ALT1Societal Discount Rate Scenario	0	3152.395791	5.23E-05	2.92E-05
Proj00011-3UG-ALT1WACC Discount Rate Scenario	0	3152.395791	5.23E-05	2.92E-05
Proj00011-3UG-PASHybrid Discount Rate Scenario	0	1518.143899	5.23E-05	2.92E-05
Proj00011-3UG-PASSocietal Discount Rate Scenario	0	1518.143899	5.23E-05	2.92E-05
Proj00011-3UG-PASWACC Discount Rate Scenario	0	1518.143899	5.23E-05	2.92E-05
Proj00011-3UG-UGASHybrid Discount Rate Scenario	0	0	5.23E-05	2.92E-05
Proj00011-3UG-UGASSocietal Discount Rate Scenario	0	0	5.23E-05	2.92E-05
Proj00011-3UG-UGASWACC Discount Rate Scenario	0	0	5.23E-05	2.92E-05
Proj00012-3UG-ALT1Hybrid Discount Rate Scenario	0	3472.163484	1.48E-05	7.66E-06
Proj00012-3UG-ALT1Societal Discount Rate Scenario	0	3472.163484	1.48E-05	7.66E-06
Proj00012-3UG-ALT1WACC Discount Rate Scenario	0	3472.163484	1.48E-05	7.66E-06
Proj00012-3UG-PASHybrid Discount Rate Scenario	0	502.8948057	1.48E-05	7.66E-06
Proj00012-3UG-PASSocietal Discount Rate Scenario	0	502.8948057	1.48E-05	7.66E-06
Proj00012-3UG-PASWACC Discount Rate Scenario	0	502.8948057	1.48E-05	7.66E-06
Proj00012-3UG-UGASHybrid Discount Rate Scenario	0	0	1.48E-05	7.66E-06
Proj00012-3UG-UGASSocietal Discount Rate Scenario	0	0	1.48E-05	7.66E-06
Proj00012-3UG-UGASWACC Discount Rate Scenario	0	0	1.48E-05	7.66E-06
Proj00013-3UG-ALT1Hybrid Discount Rate Scenario	0	755.6148225	3.55E-05	4.87E-05
Proj00013-3UG-ALT1Societal Discount Rate Scenario	0	755.6148225	3.55E-05	4.87E-05
Proj00013-3UG-ALT1WACC Discount Rate Scenario	0	755.6148225	3.55E-05	4.87E-05
Proj00013-3UG-PASHybrid Discount Rate Scenario	0	230.2031929	3.55E-05	4.87E-05
Proj00013-3UG-PASSocietal Discount Rate Scenario	0	230.2031929	3.55E-05	4.87E-05
Proj00013-3UG-PASWACC Discount Rate Scenario	0	230.2031929	3.55E-05	4.87E-05
Proj00013-3UG-UGASHybrid Discount Rate Scenario	0	0	3.55E-05	4.87E-05
Proj00013-3UG-UGASSocietal Discount Rate Scenario	0	0	3.55E-05	4.87E-05
Proj00013-3UG-UGASWACC Discount Rate Scenario	0	0	3.55E-05	4.87E-05
Proj00014-3UG-ALT1Hybrid Discount Rate Scenario	0	36.47649278		0.00024625
Proj00014-3UG-ALT1Societal Discount Rate Scenario	0	36.47649278		0.00024625
Proj00014-3UG-ALT1WACC Discount Rate Scenario	0	36.47649278		0.00024625
Proj00014-3UG-PASHybrid Discount Rate Scenario	0	0.0493886		0.00024625
Proj00014-3UG-PASSocietal Discount Rate Scenario	0	0.0493886		0.00024625
Proj00014-3UG-PASWACC Discount Rate Scenario	0	0.0493886		0.00024625
Proj00014-3UG-UGASHybrid Discount Rate Scenario	0	0		0.00024625
Proj00014-3UG-UGASSocietal Discount Rate Scenario	0	0		0.00024625
Proj00014-3UG-UGASWACC Discount Rate Scenario	0	0		0.00024625
Proj00015-3UG-ALT1Hybrid Discount Rate Scenario	0	3075.870807	3.19E-05	1.52E-05
Proj00015-3UG-ALT1Societal Discount Rate Scenario	0	3075.870807	3.19E-05	1.52E-05
Proj00015-3UG-ALT1WACC Discount Rate Scenario	0	3075.870807	3.19E-05	1.52E-05
Proj00015-3UG-PASHybrid Discount Rate Scenario	0	217.6807418	3.19E-05	1.52E-05
Proj00015-3UG-PASSocietal Discount Rate Scenario	0	217.6807418	3.19E-05	1.52E-05
Proj00015-3UG-PASWACC Discount Rate Scenario	0	217.6807418	3.19E-05	1.52E-05
Proj00015-3UG-UGASHybrid Discount Rate Scenario	0	0	3.19E-05	1.52E-05
Proj00015-3UG-UGASSocietal Discount Rate Scenario	0	0	3.19E-05	1.52E-05
Proj00015-3UG-UGASWACC Discount Rate Scenario	0	0	3.19E-05	1.52E-05
Proj00016-3UG-ALT1Hybrid Discount Rate Scenario	0	186.6822823		2.02E-05
Proj00016-3UG-ALT1Societal Discount Rate Scenario	0	186.6822823		2.02E-05
Proj00016-3UG-ALT1WACC Discount Rate Scenario	0	186.6822823		2.02E-05
Proj00016-3UG-PASHybrid Discount Rate Scenario	0	176.5404339		2.02E-05
Proj00016-3UG-PASSocietal Discount Rate Scenario	0	176.5404339		2.02E-05
Proj00016-3UG-PASWACC Discount Rate Scenario	0	176.5404339		2.02E-05
Proj00016-3UG-UGASHybrid Discount Rate Scenario	0	0		2.02E-05
Proj00016-3UG-UGASSocietal Discount Rate Scenario	0	0		2.02E-05
Proj00016-3UG-UGASWACC Discount Rate Scenario	0	0		2.02E-05
Proj00017-3UG-ALT1Hybrid Discount Rate Scenario	0	593.8067865	4.54E-05	0.000107815
Proj00017-3UG-ALT1Societal Discount Rate Scenario	0	593.8067865	4.54E-05	0.000107815
Proj00017-3UG-ALT1WACC Discount Rate Scenario	0	593.8067865	4.54E-05	0.000107815
Proj00017-3UG-PASHybrid Discount Rate Scenario	0	272.8509797	4.54E-05	0.000107815
Proj00017-3UG-PASSocietal Discount Rate Scenario	0	272.8509797	4.54E-05	0.000107815
Proj00017-3UG-PASWACC Discount Rate Scenario	0	272.8509797	4.54E-05	0.000107815
Proj00017-3UG-UGASHybrid Discount Rate Scenario	0	0	4.54E-05	0.000107815
Proj00017-3UG-UGASSocietal Discount Rate Scenario	0	0	4.54E-05	0.000107815
Proj00017-3UG-UGASWACC Discount Rate Scenario	0	0	4.54E-05	0.000107815
Proj00018-3UG-ALT1Hybrid Discount Rate Scenario	0	834.3462	5.43E-05	1.25E-05
Proj00018-3UG-ALT1Societal Discount Rate Scenario	0	834.3462	5.43E-05	1.25E-05
Proj00018-3UG-ALT1WACC Discount Rate Scenario	0	834.3462	5.43E-05	1.25E-05
Proj00018-3UG-PASHybrid Discount Rate Scenario	0	18.44672875	5.43E-05	1.25E-05
Proj00018-3UG-PASSocietal Discount Rate Scenario	0	18.44672875	5.43E-05	1.25E-05
Proj00018-3UG-PASWACC Discount Rate Scenario	0	18.44672875	5.43E-05	1.25E-05

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

sorter	outage_program_pre_mitigated_financial_consequences	outage_program_post_mitigated_likelihood	outage_program_post_mitigated_safety_consequences	outage_program_post_mitigated_residential_reliability_consequences
Proj00018-3UG-UGAShybrid Discount Rate Scenario	0	0	5.43E-05	1.25E-05
Proj00018-3UG-UGASSocietal Discount Rate Scenario	0	0	5.43E-05	1.25E-05
Proj00018-3UG-UGASWACC Discount Rate Scenario	0	0	5.43E-05	1.25E-05
Proj00019-3UG-ALT1Hybrid Discount Rate Scenario	0	695.44428	4.95E-05	9.96E-05
Proj00019-3UG-ALT1Societal Discount Rate Scenario	0	695.44428	4.95E-05	9.96E-05
Proj00019-3UG-ALT1WACC Discount Rate Scenario	0	695.44428	4.95E-05	9.96E-05
Proj00019-3UG-PAShybrid Discount Rate Scenario	0	0.406323711	4.95E-05	9.96E-05
Proj00019-3UG-PASSocietal Discount Rate Scenario	0	0.406323711	4.95E-05	9.96E-05
Proj00019-3UG-PASWACC Discount Rate Scenario	0	0.406323711	4.95E-05	9.96E-05
Proj00019-3UG-UGAShybrid Discount Rate Scenario	0	0	4.95E-05	9.96E-05
Proj00019-3UG-UGASSocietal Discount Rate Scenario	0	0	4.95E-05	9.96E-05
Proj00019-3UG-UGASWACC Discount Rate Scenario	0	0	4.95E-05	9.96E-05
Proj00020-3UG-ALT1Hybrid Discount Rate Scenario	0	290.7729057		9.01E-05
Proj00020-3UG-ALT1Societal Discount Rate Scenario	0	290.7729057		9.01E-05
Proj00020-3UG-ALT1WACC Discount Rate Scenario	0	290.7729057		9.01E-05
Proj00020-3UG-PAShybrid Discount Rate Scenario	0	0		9.01E-05
Proj00020-3UG-PASSocietal Discount Rate Scenario	0	0		9.01E-05
Proj00020-3UG-PASWACC Discount Rate Scenario	0	0		9.01E-05
Proj00020-3UG-UGAShybrid Discount Rate Scenario	0	0		9.01E-05
Proj00020-3UG-UGASSocietal Discount Rate Scenario	0	0		9.01E-05
Proj00020-3UG-UGASWACC Discount Rate Scenario	0	0		9.01E-05
Proj00021-3UG-ALT1Hybrid Discount Rate Scenario	0	900.1116505	8.97E-06	1.54E-05
Proj00021-3UG-ALT1Societal Discount Rate Scenario	0	900.1116505	8.97E-06	1.54E-05
Proj00021-3UG-ALT1WACC Discount Rate Scenario	0	900.1116505	8.97E-06	1.54E-05
Proj00021-3UG-PAShybrid Discount Rate Scenario	0	0.046286956	8.97E-06	1.54E-05
Proj00021-3UG-PASSocietal Discount Rate Scenario	0	0.046286956	8.97E-06	1.54E-05
Proj00021-3UG-PASWACC Discount Rate Scenario	0	0.046286956	8.97E-06	1.54E-05
Proj00021-3UG-UGAShybrid Discount Rate Scenario	0	0	8.97E-06	1.54E-05
Proj00021-3UG-UGASSocietal Discount Rate Scenario	0	0	8.97E-06	1.54E-05
Proj00021-3UG-UGASWACC Discount Rate Scenario	0	0	8.97E-06	1.54E-05
Proj00022-3UG-ALT1Hybrid Discount Rate Scenario	0	28.4904128		1.97E-05
Proj00022-3UG-ALT1Societal Discount Rate Scenario	0	28.4904128		1.97E-05
Proj00022-3UG-ALT1WACC Discount Rate Scenario	0	28.4904128		1.97E-05
Proj00022-3UG-PAShybrid Discount Rate Scenario	0	25.18415321		1.97E-05
Proj00022-3UG-PASSocietal Discount Rate Scenario	0	25.18415321		1.97E-05
Proj00022-3UG-PASWACC Discount Rate Scenario	0	25.18415321		1.97E-05
Proj00022-3UG-UGAShybrid Discount Rate Scenario	0	0		1.97E-05
Proj00022-3UG-UGASSocietal Discount Rate Scenario	0	0		1.97E-05
Proj00022-3UG-UGASWACC Discount Rate Scenario	0	0		1.97E-05
Proj00023-3UG-ALT1Hybrid Discount Rate Scenario	0	588.3214649	4.46E-05	6.62E-05
Proj00023-3UG-ALT1Societal Discount Rate Scenario	0	588.3214649	4.46E-05	6.62E-05
Proj00023-3UG-ALT1WACC Discount Rate Scenario	0	588.3214649	4.46E-05	6.62E-05
Proj00023-3UG-PAShybrid Discount Rate Scenario	0	3.974811083	4.46E-05	6.62E-05
Proj00023-3UG-PASSocietal Discount Rate Scenario	0	3.974811083	4.46E-05	6.62E-05
Proj00023-3UG-PASWACC Discount Rate Scenario	0	3.974811083	4.46E-05	6.62E-05
Proj00023-3UG-UGAShybrid Discount Rate Scenario	0	0	4.46E-05	6.62E-05
Proj00023-3UG-UGASSocietal Discount Rate Scenario	0	0	4.46E-05	6.62E-05
Proj00023-3UG-UGASWACC Discount Rate Scenario	0	0	4.46E-05	6.62E-05
Proj00024-3UG-ALT1Hybrid Discount Rate Scenario	0	352.2835748	5.54E-06	6.04E-07
Proj00024-3UG-ALT1Societal Discount Rate Scenario	0	352.2835748	5.54E-06	6.04E-07
Proj00024-3UG-ALT1WACC Discount Rate Scenario	0	352.2835748	5.54E-06	6.04E-07
Proj00024-3UG-PAShybrid Discount Rate Scenario	0	0.048947465	5.54E-06	6.04E-07
Proj00024-3UG-PASSocietal Discount Rate Scenario	0	0.048947465	5.54E-06	6.04E-07
Proj00024-3UG-PASWACC Discount Rate Scenario	0	0.048947465	5.54E-06	6.04E-07
Proj00024-3UG-UGAShybrid Discount Rate Scenario	0	0	5.54E-06	6.04E-07
Proj00024-3UG-UGASSocietal Discount Rate Scenario	0	0	5.54E-06	6.04E-07
Proj00024-3UG-UGASWACC Discount Rate Scenario	0	0	5.54E-06	6.04E-07
Proj00025-3UG-ALT1Hybrid Discount Rate Scenario	0	23.26791811		2.57E-05
Proj00025-3UG-ALT1Societal Discount Rate Scenario	0	23.26791811		2.57E-05
Proj00025-3UG-ALT1WACC Discount Rate Scenario	0	23.26791811		2.57E-05
Proj00025-3UG-PAShybrid Discount Rate Scenario	0	0.02353085		2.57E-05
Proj00025-3UG-PASSocietal Discount Rate Scenario	0	0.02353085		2.57E-05
Proj00025-3UG-PASWACC Discount Rate Scenario	0	0.02353085		2.57E-05
Proj00025-3UG-UGAShybrid Discount Rate Scenario	0	0		2.57E-05
Proj00025-3UG-UGASSocietal Discount Rate Scenario	0	0		2.57E-05
Proj00025-3UG-UGASWACC Discount Rate Scenario	0	0		2.57E-05
Proj00026-3UG-ALT1Hybrid Discount Rate Scenario	0	134.5902457		6.27E-06
Proj00026-3UG-ALT1Societal Discount Rate Scenario	0	134.5902457		6.27E-06
Proj00026-3UG-ALT1WACC Discount Rate Scenario	0	134.5902457		6.27E-06
Proj00026-3UG-PAShybrid Discount Rate Scenario	0	0.157796201		6.27E-06
Proj00026-3UG-PASSocietal Discount Rate Scenario	0	0.157796201		6.27E-06
Proj00026-3UG-PASWACC Discount Rate Scenario	0	0.157796201		6.27E-06
Proj00026-3UG-UGAShybrid Discount Rate Scenario	0	0		6.27E-06
Proj00026-3UG-UGASSocietal Discount Rate Scenario	0	0		6.27E-06
Proj00026-3UG-UGASWACC Discount Rate Scenario	0	0		6.27E-06
Proj00027-3UG-ALT1Hybrid Discount Rate Scenario	0	9000.086673	1.88E-05	2.22E-07
Proj00027-3UG-ALT1Societal Discount Rate Scenario	0	9000.086673	1.88E-05	2.22E-07
Proj00027-3UG-ALT1WACC Discount Rate Scenario	0	9000.086673	1.88E-05	2.22E-07
Proj00027-3UG-PAShybrid Discount Rate Scenario	0	6.3072719	1.88E-05	2.22E-07
Proj00027-3UG-PASSocietal Discount Rate Scenario	0	6.3072719	1.88E-05	2.22E-07
Proj00027-3UG-PASWACC Discount Rate Scenario	0	6.3072719	1.88E-05	2.22E-07
Proj00027-3UG-UGAShybrid Discount Rate Scenario	0	0	1.88E-05	2.22E-07
Proj00027-3UG-UGASSocietal Discount Rate Scenario	0	0	1.88E-05	2.22E-07
Proj00027-3UG-UGASWACC Discount Rate Scenario	0	0	1.88E-05	2.22E-07
Proj00028-3UG-ALT1Hybrid Discount Rate Scenario	0	8007.932721	1.59E-05	2.39E-06
Proj00028-3UG-ALT1Societal Discount Rate Scenario	0	8007.932721	1.59E-05	2.39E-06
Proj00028-3UG-ALT1WACC Discount Rate Scenario	0	8007.932721	1.59E-05	2.39E-06
Proj00028-3UG-PAShybrid Discount Rate Scenario	0	1115.203811	1.59E-05	2.39E-06
Proj00028-3UG-PASSocietal Discount Rate Scenario	0	1115.203811	1.59E-05	2.39E-06
Proj00028-3UG-PASWACC Discount Rate Scenario	0	1115.203811	1.59E-05	2.39E-06
Proj00028-3UG-UGAShybrid Discount Rate Scenario	0	0	1.59E-05	2.39E-06
Proj00028-3UG-UGASSocietal Discount Rate Scenario	0	0	1.59E-05	2.39E-06
Proj00028-3UG-UGASWACC Discount Rate Scenario	0	0	1.59E-05	2.39E-06

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

sorter	outage_program_post_mitigated_non_residential_reliability_consequences	outage_program_post_mitigated_financial_consequences	pre_mitigated_ignition_risk	post_mitigated_ignition_risk	pre_mitigated_outage_program_risk
Proj00001-3UG-ALT1Hybrid Discount Rate Scenario	0.001007015	0	0.144927872	0.07949449	3.484985707
Proj00001-3UG-ALT1Societal Discount Rate Scenario	0.001007015	0	0.144927872	0.07949449	3.484985707
Proj00001-3UG-ALT1WACC Discount Rate Scenario	0.001007015	0	0.144927872	0.07949449	3.484985707
Proj00001-3UG-PASHybrid Discount Rate Scenario	0.001007015	0	0.144927872	0.009171117	3.484985707
Proj00001-3UG-PASSocietal Discount Rate Scenario	0.001007015	0	0.144927872	0.009171117	3.484985707
Proj00001-3UG-PASWACC Discount Rate Scenario	0.001007015	0	0.144927872	0.009171117	3.484985707
Proj00001-3UG-UGASHybrid Discount Rate Scenario	0.001007015	0	0.144927872	0.009326119	3.385086748
Proj00001-3UG-UGASSocietal Discount Rate Scenario	0.001007015	0	0.144927872	0.009326119	3.385086748
Proj00001-3UG-UGASWACC Discount Rate Scenario	0.001007015	0	0.144927872	0.009326119	3.385086748
Proj00002-3UG-ALT1Hybrid Discount Rate Scenario	0.005267008	0	0.084876472	0.065020611	1.792060839
Proj00002-3UG-ALT1Societal Discount Rate Scenario	0.005267008	0	0.084876472	0.065020611	1.792060839
Proj00002-3UG-ALT1WACC Discount Rate Scenario	0.005267008	0	0.084876472	0.065020611	1.792060839
Proj00002-3UG-PASHybrid Discount Rate Scenario	0.005267008	0	0.084876472	0.042233475	1.792060839
Proj00002-3UG-PASSocietal Discount Rate Scenario	0.005267008	0	0.084876472	0.042233475	1.792060839
Proj00002-3UG-PASWACC Discount Rate Scenario	0.005267008	0	0.084876472	0.042233475	1.792060839
Proj00002-3UG-UGASHybrid Discount Rate Scenario	0.005267008	0	0.047846557	0.005224375	1.009713558
Proj00002-3UG-UGASSocietal Discount Rate Scenario	0.005267008	0	0.047846557	0.005224375	1.009713558
Proj00002-3UG-UGASWACC Discount Rate Scenario	0.005267008	0	0.047846557	0.005224375	1.009713558
Proj00003-3UG-ALT1Hybrid Discount Rate Scenario	0.001252914	0	0.227406399	0.137304843	4.686161629
Proj00003-3UG-ALT1Societal Discount Rate Scenario	0.001252914	0	0.227406399	0.137304843	4.686161629
Proj00003-3UG-ALT1WACC Discount Rate Scenario	0.001252914	0	0.227406399	0.137304843	4.686161629
Proj00003-3UG-PASHybrid Discount Rate Scenario	0.001252914	0	0.227406399	0.035240688	4.686161629
Proj00003-3UG-PASSocietal Discount Rate Scenario	0.001252914	0	0.227406399	0.035240688	4.686161629
Proj00003-3UG-PASWACC Discount Rate Scenario	0.001252914	0	0.227406399	0.035240688	4.686161629
Proj00003-3UG-UGASHybrid Discount Rate Scenario	0.001252914	0	0.211014422	0.01905642	4.363907006
Proj00003-3UG-UGASSocietal Discount Rate Scenario	0.001252914	0	0.211014422	0.01905642	4.363907006
Proj00003-3UG-UGASWACC Discount Rate Scenario	0.001252914	0	0.211014422	0.01905642	4.363907006
Proj00004-3UG-ALT1Hybrid Discount Rate Scenario	0.000119058	0	0.039826272	0.023989536	0.046249038
Proj00004-3UG-ALT1Societal Discount Rate Scenario	0.000119058	0	0.039826272	0.023989536	0.046249038
Proj00004-3UG-ALT1WACC Discount Rate Scenario	0.000119058	0	0.039826272	0.023989536	0.046249038
Proj00004-3UG-PASHybrid Discount Rate Scenario	0.000119058	0	0.039826272	0.002453746	0.046249038
Proj00004-3UG-PASSocietal Discount Rate Scenario	0.000119058	0	0.039826272	0.002453746	0.046249038
Proj00004-3UG-PASWACC Discount Rate Scenario	0.000119058	0	0.039826272	0.002453746	0.046249038
Proj00004-3UG-UGASHybrid Discount Rate Scenario	0.000119058	0	0.039826272	0.002229891	0.04595384
Proj00004-3UG-UGASSocietal Discount Rate Scenario	0.000119058	0	0.039826272	0.002229891	0.04595384
Proj00004-3UG-UGASWACC Discount Rate Scenario	0.000119058	0	0.039826272	0.002229891	0.04595384
Proj00005-3UG-ALT1Hybrid Discount Rate Scenario	0.000303419	0	0.118826243	0.072400351	0.257345778
Proj00005-3UG-ALT1Societal Discount Rate Scenario	0.000303419	0	0.118826243	0.072400351	0.257345778
Proj00005-3UG-ALT1WACC Discount Rate Scenario	0.000303419	0	0.118826243	0.072400351	0.257345778
Proj00005-3UG-PASHybrid Discount Rate Scenario	0.000303419	0	0.118826243	0.008081014	0.257345778
Proj00005-3UG-PASSocietal Discount Rate Scenario	0.000303419	0	0.118826243	0.008081014	0.257345778
Proj00005-3UG-PASWACC Discount Rate Scenario	0.000303419	0	0.118826243	0.008081014	0.257345778
Proj00005-3UG-UGASHybrid Discount Rate Scenario	0.000303419	0	0.118826243	0.008178753	0.257304996
Proj00005-3UG-UGASSocietal Discount Rate Scenario	0.000303419	0	0.118826243	0.008178753	0.257304996
Proj00005-3UG-UGASWACC Discount Rate Scenario	0.000303419	0	0.118826243	0.008178753	0.257304996
Proj00006-3UG-ALT1Hybrid Discount Rate Scenario	0.000813814	0	0.089932028	0.051202071	1.15177317
Proj00006-3UG-ALT1Societal Discount Rate Scenario	0.000813814	0	0.089932028	0.051202071	1.15177317
Proj00006-3UG-ALT1WACC Discount Rate Scenario	0.000813814	0	0.089932028	0.051202071	1.15177317
Proj00006-3UG-PASHybrid Discount Rate Scenario	0.000813814	0	0.089932028	0.025986291	1.15177317
Proj00006-3UG-PASSocietal Discount Rate Scenario	0.000813814	0	0.089932028	0.025986291	1.15177317
Proj00006-3UG-PASWACC Discount Rate Scenario	0.000813814	0	0.089932028	0.025986291	1.15177317
Proj00006-3UG-UGASHybrid Discount Rate Scenario	0.000813814	0	0.037917083	0.003420049	0.506611063
Proj00006-3UG-UGASSocietal Discount Rate Scenario	0.000813814	0	0.037917083	0.003420049	0.506611063
Proj00006-3UG-UGASWACC Discount Rate Scenario	0.000813814	0	0.037917083	0.003420049	0.506611063
Proj00007-3UG-ALT1Hybrid Discount Rate Scenario	0.000465494	0	0.623535001	0.343726733	0.522887856
Proj00007-3UG-ALT1Societal Discount Rate Scenario	0.000465494	0	0.623535001	0.343726733	0.522887856
Proj00007-3UG-ALT1WACC Discount Rate Scenario	0.000465494	0	0.623535001	0.343726733	0.522887856
Proj00007-3UG-PASHybrid Discount Rate Scenario	0.000465494	0	0.623535001	0.299977996	0.522887856
Proj00007-3UG-PASSocietal Discount Rate Scenario	0.000465494	0	0.623535001	0.299977996	0.522887856
Proj00007-3UG-PASWACC Discount Rate Scenario	0.000465494	0	0.623535001	0.299977996	0.522887856
Proj00007-3UG-UGASHybrid Discount Rate Scenario	0.000465494	0	0.088338821	0.004953064	0.058611615
Proj00007-3UG-UGASSocietal Discount Rate Scenario	0.000465494	0	0.088338821	0.004953064	0.058611615
Proj00007-3UG-UGASWACC Discount Rate Scenario	0.000465494	0	0.088338821	0.004953064	0.058611615
Proj00008-3UG-ALT1Hybrid Discount Rate Scenario	0.000698799	0	1.736828409	1.018356045	2.662774219
Proj00008-3UG-ALT1Societal Discount Rate Scenario	0.000698799	0	1.736828409	1.018356045	2.662774219
Proj00008-3UG-ALT1WACC Discount Rate Scenario	0.000698799	0	1.736828409	1.018356045	2.662774219
Proj00008-3UG-PASHybrid Discount Rate Scenario	0.000698799	0	1.736828409	0.671386733	2.662774219
Proj00008-3UG-PASSocietal Discount Rate Scenario	0.000698799	0	1.736828409	0.671386733	2.662774219
Proj00008-3UG-PASWACC Discount Rate Scenario	0.000698799	0	1.736828409	0.671386733	2.662774219
Proj00008-3UG-UGASHybrid Discount Rate Scenario	0.000698799	0	0.718404599	0.05153747	1.416233603
Proj00008-3UG-UGASSocietal Discount Rate Scenario	0.000698799	0	0.718404599	0.05153747	1.416233603
Proj00008-3UG-UGASWACC Discount Rate Scenario	0.000698799	0	0.718404599	0.05153747	1.416233603
Proj00009-3UG-ALT1Hybrid Discount Rate Scenario	0.000788946	0	0.280658615	0.157776414	1.405558119
Proj00009-3UG-ALT1Societal Discount Rate Scenario	0.000788946	0	0.280658615	0.157776414	1.405558119
Proj00009-3UG-ALT1WACC Discount Rate Scenario	0.000788946	0	0.280658615	0.157776414	1.405558119
Proj00009-3UG-PASHybrid Discount Rate Scenario	0.000788946	0	0.280658615	0.027429741	1.405558119
Proj00009-3UG-PASSocietal Discount Rate Scenario	0.000788946	0	0.280658615	0.027429741	1.405558119

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

sorter	outage_program_post_mitigated_non_residential_reliability_consequences	outage_program_post_mitigated_financial_consequences	pre_mitigated_ignition_risk	post_mitigated_ignition_risk	pre_mitigated_outage_program_risk
Proj00009-3UG-PASWACC Discount Rate Scenario	0.000788946	0	0.280658615	0.027429741	1.405558119
Proj00009-3UG-UGASHybrid Discount Rate Scenario	0.000788946	0	0.259904467	0.017250832	1.348415086
Proj00009-3UG-UGASSocietal Discount Rate Scenario	0.000788946	0	0.259904467	0.017250832	1.348415086
Proj00009-3UG-UGASWACC Discount Rate Scenario	0.000788946	0	0.259904467	0.017250832	1.348415086
Proj00010-3UG-ALT1Hybrid Discount Rate Scenario	0.001403083	0	0.203216569	0.117163704	1.320995235
Proj00010-3UG-ALT1Societal Discount Rate Scenario	0.001403083	0	0.203216569	0.117163704	1.320995235
Proj00010-3UG-ALT1WACC Discount Rate Scenario	0.001403083	0	0.203216569	0.117163704	1.320995235
Proj00010-3UG-PASHybrid Discount Rate Scenario	0.001403083	0	0.203216569	0.029656813	1.320995235
Proj00010-3UG-PASSocietal Discount Rate Scenario	0.001403083	0	0.203216569	0.029656813	1.320995235
Proj00010-3UG-PASWACC Discount Rate Scenario	0.001403083	0	0.203216569	0.029656813	1.320995235
Proj00010-3UG-UGASHybrid Discount Rate Scenario	0.001403083	0	0.173168683	0.012444461	1.124932413
Proj00010-3UG-UGASSocietal Discount Rate Scenario	0.001403083	0	0.173168683	0.012444461	1.124932413
Proj00010-3UG-UGASWACC Discount Rate Scenario	0.001403083	0	0.173168683	0.012444461	1.124932413
Proj00011-3UG-ALT1Hybrid Discount Rate Scenario	0.001777666	0	0.208897726	0.163188919	6.214823378
Proj00011-3UG-ALT1Societal Discount Rate Scenario	0.001777666	0	0.208897726	0.163188919	6.214823378
Proj00011-3UG-ALT1WACC Discount Rate Scenario	0.001777666	0	0.208897726	0.163188919	6.214823378
Proj00011-3UG-PASHybrid Discount Rate Scenario	0.001777666	0	0.208897726	0.110958506	6.214823378
Proj00011-3UG-PASSocietal Discount Rate Scenario	0.001777666	0	0.208897726	0.110958506	6.214823378
Proj00011-3UG-PASWACC Discount Rate Scenario	0.001777666	0	0.208897726	0.110958506	6.214823378
Proj00011-3UG-UGASHybrid Discount Rate Scenario	0.001777666	0	0.107479894	0.009612997	3.471680217
Proj00011-3UG-UGASSocietal Discount Rate Scenario	0.001777666	0	0.107479894	0.009612997	3.471680217
Proj00011-3UG-UGASWACC Discount Rate Scenario	0.001777666	0	0.107479894	0.009612997	3.471680217
Proj00012-3UG-ALT1Hybrid Discount Rate Scenario	0.000447944	0	0.204327555	0.123636012	1.769069108
Proj00012-3UG-ALT1Societal Discount Rate Scenario	0.000447944	0	0.204327555	0.123636012	1.769069108
Proj00012-3UG-ALT1WACC Discount Rate Scenario	0.000447944	0	0.204327555	0.123636012	1.769069108
Proj00012-3UG-PASHybrid Discount Rate Scenario	0.000447944	0	0.204327555	0.0470364	1.769069108
Proj00012-3UG-PASSocietal Discount Rate Scenario	0.000447944	0	0.204327555	0.0470364	1.769069108
Proj00012-3UG-PASWACC Discount Rate Scenario	0.000447944	0	0.204327555	0.0470364	1.769069108
Proj00012-3UG-UGASHybrid Discount Rate Scenario	0.000447944	0	0.147304355	0.012615427	1.487856691
Proj00012-3UG-UGASSocietal Discount Rate Scenario	0.000447944	0	0.147304355	0.012615427	1.487856691
Proj00012-3UG-UGASWACC Discount Rate Scenario	0.000447944	0	0.147304355	0.012615427	1.487856691
Proj00013-3UG-ALT1Hybrid Discount Rate Scenario	0.001502186	0	0.211213037	0.126896184	2.055802951
Proj00013-3UG-ALT1Societal Discount Rate Scenario	0.001502186	0	0.211213037	0.126896184	2.055802951
Proj00013-3UG-ALT1WACC Discount Rate Scenario	0.001502186	0	0.211213037	0.126896184	2.055802951
Proj00013-3UG-PASHybrid Discount Rate Scenario	0.001502186	0	0.211213037	0.014596963	2.055802951
Proj00013-3UG-PASSocietal Discount Rate Scenario	0.001502186	0	0.211213037	0.014596963	2.055802951
Proj00013-3UG-PASWACC Discount Rate Scenario	0.001502186	0	0.211213037	0.014596963	2.055802951
Proj00013-3UG-UGASHybrid Discount Rate Scenario	0.001502186	0	0.211213037	0.014648065	1.697633705
Proj00013-3UG-UGASSocietal Discount Rate Scenario	0.001502186	0	0.211213037	0.014648065	1.697633705
Proj00013-3UG-UGASWACC Discount Rate Scenario	0.001502186	0	0.211213037	0.014648065	1.697633705
Proj00014-3UG-ALT1Hybrid Discount Rate Scenario	0.00427329	0	0.093214105	0.052742571	0.343210187
Proj00014-3UG-ALT1Societal Discount Rate Scenario	0.00427329	0	0.093214105	0.052742571	0.343210187
Proj00014-3UG-ALT1WACC Discount Rate Scenario	0.00427329	0	0.093214105	0.052742571	0.343210187
Proj00014-3UG-PASHybrid Discount Rate Scenario	0.00427329	0	0.093214105	0.006256638	0.343210187
Proj00014-3UG-PASSocietal Discount Rate Scenario	0.00427329	0	0.093214105	0.006256638	0.343210187
Proj00014-3UG-PASWACC Discount Rate Scenario	0.00427329	0	0.093214105	0.006256638	0.343210187
Proj00014-3UG-UGASHybrid Discount Rate Scenario	0.00427329	0	0.093214105	0.006287385	0.342986973
Proj00014-3UG-UGASSocietal Discount Rate Scenario	0.00427329	0	0.093214105	0.006287385	0.342986973
Proj00014-3UG-UGASWACC Discount Rate Scenario	0.00427329	0	0.093214105	0.006287385	0.342986973
Proj00015-3UG-ALT1Hybrid Discount Rate Scenario	0.000825703	0	2.075247385	1.199332261	3.497412819
Proj00015-3UG-ALT1Societal Discount Rate Scenario	0.000825703	0	2.075247385	1.199332261	3.497412819
Proj00015-3UG-ALT1WACC Discount Rate Scenario	0.000825703	0	2.075247385	1.199332261	3.497412819
Proj00015-3UG-PASHybrid Discount Rate Scenario	0.000825703	0	2.075247385	0.304292313	3.497412819
Proj00015-3UG-PASSocietal Discount Rate Scenario	0.000825703	0	2.075247385	0.304292313	3.497412819
Proj00015-3UG-PASWACC Discount Rate Scenario	0.000825703	0	2.075247385	0.304292313	3.497412819
Proj00015-3UG-UGASHybrid Discount Rate Scenario	0.000825703	0	1.692655536	0.108183536	3.083849249
Proj00015-3UG-UGASSocietal Discount Rate Scenario	0.000825703	0	1.692655536	0.108183536	3.083849249
Proj00015-3UG-UGASWACC Discount Rate Scenario	0.000825703	0	1.692655536	0.108183536	3.083849249
Proj00016-3UG-ALT1Hybrid Discount Rate Scenario	0.000305602	0	2.025751737	1.13969475	0.126705428
Proj00016-3UG-ALT1Societal Discount Rate Scenario	0.000305602	0	2.025751737	1.13969475	0.126705428
Proj00016-3UG-ALT1WACC Discount Rate Scenario	0.000305602	0	2.025751737	1.13969475	0.126705428
Proj00016-3UG-PASHybrid Discount Rate Scenario	0.000305602	0	2.025751737	1.085215427	0.126705428
Proj00016-3UG-PASSocietal Discount Rate Scenario	0.000305602	0	2.025751737	1.085215427	0.126705428
Proj00016-3UG-PASWACC Discount Rate Scenario	0.000305602	0	2.025751737	1.085215427	0.126705428
Proj00016-3UG-UGASHybrid Discount Rate Scenario	0.000305602	0	0.110369499	0.007566197	0.006883499
Proj00016-3UG-UGASSocietal Discount Rate Scenario	0.000305602	0	0.110369499	0.007566197	0.006883499
Proj00016-3UG-UGASWACC Discount Rate Scenario	0.000305602	0	0.110369499	0.007566197	0.006883499
Proj00017-3UG-ALT1Hybrid Discount Rate Scenario	0.002724139	0	0.208640272	0.111373399	3.084995557
Proj00017-3UG-ALT1Societal Discount Rate Scenario	0.002724139	0	0.208640272	0.111373399	3.084995557
Proj00017-3UG-ALT1WACC Discount Rate Scenario	0.002724139	0	0.208640272	0.111373399	3.084995557
Proj00017-3UG-PASHybrid Discount Rate Scenario	0.002724139	0	0.208640272	0.072080016	3.084995557
Proj00017-3UG-PASSocietal Discount Rate Scenario	0.002724139	0	0.208640272	0.072080016	3.084995557
Proj00017-3UG-PASWACC Discount Rate Scenario	0.002724139	0	0.208640272	0.072080016	3.084995557
Proj00017-3UG-UGASHybrid Discount Rate Scenario	0.002724139	0	0.084293985	0.005773976	1.476083937
Proj00017-3UG-UGASSocietal Discount Rate Scenario	0.002724139	0	0.084293985	0.005773976	1.476083937
Proj00017-3UG-UGASWACC Discount Rate Scenario	0.002724139	0	0.084293985	0.005773976	1.476083937
Proj00018-3UG-ALT1Hybrid Discount Rate Scenario	0.001709971	0	0.051234418	0.030963611	1.573232409
Proj00018-3UG-ALT1Societal Discount Rate Scenario	0.001709971	0	0.051234418	0.030963611	1.573232409
Proj00018-3UG-ALT1WACC Discount Rate Scenario	0.001709971	0	0.051234418	0.030963611	1.573232409
Proj00018-3UG-PASHybrid Discount Rate Scenario	0.001709971	0	0.051234418	0.00835241	1.573232409
Proj00018-3UG-PASSocietal Discount Rate Scenario	0.001709971	0	0.051234418	0.00835241	1.573232409
Proj00018-3UG-PASWACC Discount Rate Scenario	0.001709971	0	0.051234418	0.00835241	1.573232409

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

sorter	outage_program_post_mitigated_non_residential_reliability_consequences	outage_program_post_mitigated_financial_consequences	pre_mitigated_ignition_risk	post_mitigated_ignition_risk	pre_mitigated_outage_program_risk
Proj00018-3UG-UGASHybrid Discount Rate Scenario	0.001709971	0	0.04569341	0.00286471	1.505784621
Proj00018-3UG-UGASSocietal Discount Rate Scenario	0.001709971	0	0.04569341	0.00286471	1.505784621
Proj00018-3UG-UGASWACC Discount Rate Scenario	0.001709971	0	0.04569341	0.00286471	1.505784621
Proj00019-3UG-ALT1Hybrid Discount Rate Scenario	0.001798369	0	0.336378677	0.182171776	2.16662363
Proj00019-3UG-ALT1Societal Discount Rate Scenario	0.001798369	0	0.336378677	0.182171776	2.16662363
Proj00019-3UG-ALT1WACC Discount Rate Scenario	0.001798369	0	0.336378677	0.182171776	2.16662363
Proj00019-3UG-PASHybrid Discount Rate Scenario	0.001798369	0	0.336378677	0.02114283	2.16662363
Proj00019-3UG-PASSocietal Discount Rate Scenario	0.001798369	0	0.336378677	0.02114283	2.16662363
Proj00019-3UG-PASWACC Discount Rate Scenario	0.001798369	0	0.336378677	0.02114283	2.16662363
Proj00019-3UG-UGASHybrid Discount Rate Scenario	0.001798369	0	0.336378677	0.021314875	2.165852445
Proj00019-3UG-UGASSocietal Discount Rate Scenario	0.001798369	0	0.336378677	0.021314875	2.165852445
Proj00019-3UG-UGASWACC Discount Rate Scenario	0.001798369	0	0.336378677	0.021314875	2.165852445
Proj00020-3UG-ALT1Hybrid Discount Rate Scenario	0.000146689	0	0.160149556	0.099558969	0.14346501
Proj00020-3UG-ALT1Societal Discount Rate Scenario	0.000146689	0	0.160149556	0.099558969	0.14346501
Proj00020-3UG-ALT1WACC Discount Rate Scenario	0.000146689	0	0.160149556	0.099558969	0.14346501
Proj00020-3UG-PASHybrid Discount Rate Scenario	0.000146689	0	0.160149556	0.009567803	0.14346501
Proj00020-3UG-PASSocietal Discount Rate Scenario	0.000146689	0	0.160149556	0.009567803	0.14346501
Proj00020-3UG-PASWACC Discount Rate Scenario	0.000146689	0	0.160149556	0.009567803	0.14346501
Proj00020-3UG-UGASHybrid Discount Rate Scenario	0.000146689	0	0.160149556	0.009727057	0.14346501
Proj00020-3UG-UGASSocietal Discount Rate Scenario	0.000146689	0	0.160149556	0.009727057	0.14346501
Proj00020-3UG-UGASWACC Discount Rate Scenario	0.000146689	0	0.160149556	0.009727057	0.14346501
Proj00021-3UG-ALT1Hybrid Discount Rate Scenario	0.000353526	0	1.702365495	0.963650739	0.445987222
Proj00021-3UG-ALT1Societal Discount Rate Scenario	0.000353526	0	1.702365495	0.963650739	0.445987222
Proj00021-3UG-ALT1WACC Discount Rate Scenario	0.000353526	0	1.702365495	0.963650739	0.445987222
Proj00021-3UG-PASHybrid Discount Rate Scenario	0.000353526	0	1.702365495	0.122053366	0.445987222
Proj00021-3UG-PASSocietal Discount Rate Scenario	0.000353526	0	1.702365495	0.122053366	0.445987222
Proj00021-3UG-PASWACC Discount Rate Scenario	0.000353526	0	1.702365495	0.122053366	0.445987222
Proj00021-3UG-UGASHybrid Discount Rate Scenario	0.000353526	0	1.702365495	0.123580611	0.442648622
Proj00021-3UG-UGASSocietal Discount Rate Scenario	0.000353526	0	1.702365495	0.123580611	0.442648622
Proj00021-3UG-UGASWACC Discount Rate Scenario	0.000353526	0	1.702365495	0.123580611	0.442648622
Proj00022-3UG-ALT1Hybrid Discount Rate Scenario	0.000152795	0	0.243666742	0.141934999	0.010230824
Proj00022-3UG-ALT1Societal Discount Rate Scenario	0.000152795	0	0.243666742	0.141934999	0.010230824
Proj00022-3UG-ALT1WACC Discount Rate Scenario	0.000152795	0	0.243666742	0.141934999	0.010230824
Proj00022-3UG-PASHybrid Discount Rate Scenario	0.000152795	0	0.243666742	0.12790985	0.010230824
Proj00022-3UG-PASSocietal Discount Rate Scenario	0.000152795	0	0.243666742	0.12790985	0.010230824
Proj00022-3UG-PASWACC Discount Rate Scenario	0.000152795	0	0.243666742	0.12790985	0.010230824
Proj00022-3UG-UGASHybrid Discount Rate Scenario	0.000152795	0	0.028294097	0.002476653	0.001187983
Proj00022-3UG-UGASSocietal Discount Rate Scenario	0.000152795	0	0.028294097	0.002476653	0.001187983
Proj00022-3UG-UGASWACC Discount Rate Scenario	0.000152795	0	0.028294097	0.002476653	0.001187983
Proj00023-3UG-ALT1Hybrid Discount Rate Scenario	0.003312488	0	2.202234688	1.320360898	3.784982853
Proj00023-3UG-ALT1Societal Discount Rate Scenario	0.003312488	0	2.202234688	1.320360898	3.784982853
Proj00023-3UG-ALT1WACC Discount Rate Scenario	0.003312488	0	2.202234688	1.320360898	3.784982853
Proj00023-3UG-PASHybrid Discount Rate Scenario	0.003312488	0	2.202234688	0.166522442	3.784982853
Proj00023-3UG-PASSocietal Discount Rate Scenario	0.003312488	0	2.202234688	0.166522442	3.784982853
Proj00023-3UG-PASWACC Discount Rate Scenario	0.003312488	0	2.202234688	0.166522442	3.784982853
Proj00023-3UG-UGASHybrid Discount Rate Scenario	0.003312488	0	2.184719495	0.15798849	3.757004567
Proj00023-3UG-UGASSocietal Discount Rate Scenario	0.003312488	0	2.184719495	0.15798849	3.757004567
Proj00023-3UG-UGASWACC Discount Rate Scenario	0.003312488	0	2.184719495	0.15798849	3.757004567
Proj00024-3UG-ALT1Hybrid Discount Rate Scenario	0.000204173	0	0.029628248	0.017685399	0.076209214
Proj00024-3UG-ALT1Societal Discount Rate Scenario	0.000204173	0	0.029628248	0.017685399	0.076209214
Proj00024-3UG-ALT1WACC Discount Rate Scenario	0.000204173	0	0.029628248	0.017685399	0.076209214
Proj00024-3UG-PASHybrid Discount Rate Scenario	0.000204173	0	0.029628248	0.001867247	0.076209214
Proj00024-3UG-PASSocietal Discount Rate Scenario	0.000204173	0	0.029628248	0.001867247	0.076209214
Proj00024-3UG-PASWACC Discount Rate Scenario	0.000204173	0	0.029628248	0.001867247	0.076209214
Proj00024-3UG-UGASHybrid Discount Rate Scenario	0.000204173	0	0.029628248	0.001858524	0.07619919
Proj00024-3UG-UGASSocietal Discount Rate Scenario	0.000204173	0	0.029628248	0.001858524	0.07619919
Proj00024-3UG-UGASWACC Discount Rate Scenario	0.000204173	0	0.029628248	0.001858524	0.07619919
Proj00025-3UG-ALT1Hybrid Discount Rate Scenario	0.000269206	0	0.276679714	0.149099622	0.014289247
Proj00025-3UG-ALT1Societal Discount Rate Scenario	0.000269206	0	0.276679714	0.149099622	0.014289247
Proj00025-3UG-ALT1WACC Discount Rate Scenario	0.000269206	0	0.276679714	0.149099622	0.014289247
Proj00025-3UG-PASHybrid Discount Rate Scenario	0.000269206	0	0.276679714	0.017734386	0.014289247
Proj00025-3UG-PASSocietal Discount Rate Scenario	0.000269206	0	0.276679714	0.017734386	0.014289247
Proj00025-3UG-PASWACC Discount Rate Scenario	0.000269206	0	0.276679714	0.017734386	0.014289247
Proj00025-3UG-UGASHybrid Discount Rate Scenario	0.000269206	0	0.276679714	0.017872121	0.014282307
Proj00025-3UG-UGASSocietal Discount Rate Scenario	0.000269206	0	0.276679714	0.017872121	0.014282307
Proj00025-3UG-UGASWACC Discount Rate Scenario	0.000269206	0	0.276679714	0.017872121	0.014282307
Proj00026-3UG-ALT1Hybrid Discount Rate Scenario	6.89E-05	0	0.113085647	0.070850979	0.021060482
Proj00026-3UG-ALT1Societal Discount Rate Scenario	6.89E-05	0	0.113085647	0.070850979	0.021060482
Proj00026-3UG-ALT1WACC Discount Rate Scenario	6.89E-05	0	0.113085647	0.070850979	0.021060482
Proj00026-3UG-PASHybrid Discount Rate Scenario	6.89E-05	0	0.113085647	0.006424306	0.021060482
Proj00026-3UG-PASSocietal Discount Rate Scenario	6.89E-05	0	0.113085647	0.006424306	0.021060482
Proj00026-3UG-PASWACC Discount Rate Scenario	6.89E-05	0	0.113085647	0.006424306	0.021060482
Proj00026-3UG-UGASHybrid Discount Rate Scenario	6.89E-05	0	0.113085647	0.006472724	0.020427719
Proj00026-3UG-UGASSocietal Discount Rate Scenario	6.89E-05	0	0.113085647	0.006472724	0.020427719
Proj00026-3UG-UGASWACC Discount Rate Scenario	6.89E-05	0	0.113085647	0.006472724	0.020427719
Proj00027-3UG-ALT1Hybrid Discount Rate Scenario	0.000247624	0	0.337261317	0.188254327	2.748995023
Proj00027-3UG-ALT1Societal Discount Rate Scenario	0.000247624	0	0.337261317	0.188254327	2.748995023
Proj00027-3UG-ALT1WACC Discount Rate Scenario	0.000247624	0	0.337261317	0.188254327	2.748995023
Proj00027-3UG-PASHybrid Discount Rate Scenario	0.000247624	0	0.337261317	0.020995424	2.748995023
Proj00027-3UG-PASSocietal Discount Rate Scenario	0.000247624	0	0.337261317	0.020995424	2.748995023
Proj00027-3UG-PASWACC Discount Rate Scenario	0.000247624	0	0.337261317	0.020995424	2.748995023
Proj00027-3UG-UGASHybrid Discount Rate Scenario	0.000247624	0	0.337261317	0.020799772	2.747431791
Proj00027-3UG-UGASSocietal Discount Rate Scenario	0.000247624	0	0.337261317	0.020799772	2.747431791
Proj00027-3UG-UGASWACC Discount Rate Scenario	0.000247624	0	0.337261317	0.020799772	2.747431791
Proj00028-3UG-ALT1Hybrid Discount Rate Scenario	0.000289132	0	0.133159541	0.092341386	2.410964152
Proj00028-3UG-ALT1Societal Discount Rate Scenario	0.000289132	0	0.133159541	0.092341386	2.410964152
Proj00028-3UG-ALT1WACC Discount Rate Scenario	0.000289132	0	0.133159541	0.092341386	2.410964152
Proj00028-3UG-PASHybrid Discount Rate Scenario	0.000289132	0	0.133159541	0.028220803	2.410964152
Proj00028-3UG-PASSocietal Discount Rate Scenario	0.000289132	0	0.133159541	0.028220803	2.410964152
Proj00028-3UG-PASWACC Discount Rate Scenario	0.000289132	0	0.133159541	0.028220803	2.410964152
Proj00028-3UG-UGASHybrid Discount Rate Scenario	0.000289132	0	0.105736009	0.007821956	2.072702547
Proj00028-3UG-UGASSocietal Discount Rate Scenario	0.000289132	0	0.105736009	0.007821956	2.072702547
Proj00028-3UG-UGASWACC Discount Rate Scenario	0.000289132	0	0.105736009	0.007821956	2.072702547

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

sorter	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	total_om_costs_nbb_pv
Proj00001-3UG-ALT1Hybrid Discount Rate Scenario	3.328166645	3.629913579	3.407661135	Hybrid Discount Rate Scenario	0.065433382	0.156819062	1.189380319	23.89320317
Proj00001-3UG-ALT1Societal Discount Rate Scenario	3.328166645	3.629913579	3.407661135	Societal Discount Rate Scenario	0.065433382	0.156819062	1.189380319	37.29484569
Proj00001-3UG-ALT1WACC Discount Rate Scenario	3.328166645	3.629913579	3.407661135	WACC Discount Rate Scenario	0.065433382	0.156819062	1.189380319	23.89320317
Proj00001-3UG-PASHybrid Discount Rate Scenario	0	3.629913579	0.009171117	Hybrid Discount Rate Scenario	0.135756755	3.484985707	1.189380319	24.70765818
Proj00001-3UG-PASSocietal Discount Rate Scenario	0	3.629913579	0.009171117	Societal Discount Rate Scenario	0.135756755	3.484985707	1.189380319	40.24658864
Proj00001-3UG-PASWACC Discount Rate Scenario	0	3.629913579	0.009171117	WACC Discount Rate Scenario	0.135756755	3.484985707	1.189380319	24.70765818
Proj00001-3UG-UGASHybrid Discount Rate Scenario	0	3.530014619	0.009326119	Hybrid Discount Rate Scenario	0.135601753	3.385086748	1.189380319	24.70765818
Proj00001-3UG-UGASSocietal Discount Rate Scenario	0	3.530014619	0.009326119	Societal Discount Rate Scenario	0.135601753	3.385086748	1.189380319	40.24658864
Proj00001-3UG-UGASWACC Discount Rate Scenario	0	3.530014619	0.009326119	WACC Discount Rate Scenario	0.135601753	3.385086748	1.189380319	24.70765818
Proj00002-3UG-ALT1Hybrid Discount Rate Scenario	1.267009789	1.876937311	1.3320304	Hybrid Discount Rate Scenario	0.019855861	0.52505105	0.538855935	6.093323926
Proj00002-3UG-ALT1Societal Discount Rate Scenario	1.267009789	1.876937311	1.3320304	Societal Discount Rate Scenario	0.019855861	0.52505105	0.538855935	9.498963951
Proj00002-3UG-ALT1WACC Discount Rate Scenario	1.267009789	1.876937311	1.3320304	WACC Discount Rate Scenario	0.019855861	0.52505105	0.538855935	6.093323926
Proj00002-3UG-PASHybrid Discount Rate Scenario	0.782347281	1.876937311	0.824580755	Hybrid Discount Rate Scenario	0.042642997	1.009713558	0.538855935	6.30708889
Proj00002-3UG-PASSocietal Discount Rate Scenario	0.782347281	1.876937311	0.824580755	Societal Discount Rate Scenario	0.042642997	1.009713558	0.538855935	10.27368965
Proj00002-3UG-PASWACC Discount Rate Scenario	0.782347281	1.876937311	0.824580755	WACC Discount Rate Scenario	0.042642997	1.009713558	0.538855935	6.30708889
Proj00002-3UG-UGASHybrid Discount Rate Scenario	0	1.057560116	0.005224375	Hybrid Discount Rate Scenario	0.042622183	1.009713558	0.538855935	6.30708889
Proj00002-3UG-UGASSocietal Discount Rate Scenario	0	1.057560116	0.005224375	Societal Discount Rate Scenario	0.042622183	1.009713558	0.538855935	10.27368965
Proj00002-3UG-UGASWACC Discount Rate Scenario	0	1.057560116	0.005224375	WACC Discount Rate Scenario	0.042622183	1.009713558	0.538855935	6.30708889
Proj00003-3UG-ALT1Hybrid Discount Rate Scenario	3.632133048	4.913568028	3.769437891	Hybrid Discount Rate Scenario	0.090101556	1.054028581	1.539063464	28.59320528
Proj00003-3UG-ALT1Societal Discount Rate Scenario	3.632133048	4.913568028	3.769437891	Societal Discount Rate Scenario	0.090101556	1.054028581	1.539063464	44.57432913
Proj00003-3UG-ALT1WACC Discount Rate Scenario	3.632133048	4.913568028	3.769437891	WACC Discount Rate Scenario	0.090101556	1.054028581	1.539063464	28.59320528
Proj00003-3UG-PASHybrid Discount Rate Scenario	0.322254624	4.913568028	0.357495312	Hybrid Discount Rate Scenario	0.192165711	4.363907006	1.539063464	29.66721814
Proj00003-3UG-PASSocietal Discount Rate Scenario	0.322254624	4.913568028	0.357495312	Societal Discount Rate Scenario	0.192165711	4.363907006	1.539063464	48.32527291
Proj00003-3UG-PASWACC Discount Rate Scenario	0.322254624	4.913568028	0.357495312	WACC Discount Rate Scenario	0.192165711	4.363907006	1.539063464	29.66721814
Proj00003-3UG-UGASHybrid Discount Rate Scenario	0	4.574921428	0.01905642	Hybrid Discount Rate Scenario	0.191958002	4.363907006	1.539063464	29.66721814
Proj00003-3UG-UGASSocietal Discount Rate Scenario	0	4.574921428	0.01905642	Societal Discount Rate Scenario	0.191958002	4.363907006	1.539063464	48.32527291
Proj00003-3UG-UGASWACC Discount Rate Scenario	0	4.574921428	0.01905642	WACC Discount Rate Scenario	0.191958002	4.363907006	1.539063464	29.66721814
Proj00004-3UG-ALT1Hybrid Discount Rate Scenario	0.023169923	0.08607531	0.047159459	Hybrid Discount Rate Scenario	0.015836736	0.023079115	0.054302871	1.082629714
Proj00004-3UG-ALT1Societal Discount Rate Scenario	0.023169923	0.08607531	0.047159459	Societal Discount Rate Scenario	0.015836736	0.023079115	0.054302871	1.687725903
Proj00004-3UG-ALT1WACC Discount Rate Scenario	0.023169923	0.08607531	0.047159459	WACC Discount Rate Scenario	0.015836736	0.023079115	0.054302871	1.082629714
Proj00004-3UG-PASHybrid Discount Rate Scenario	0.000295198	0.08607531	0.002748944	Hybrid Discount Rate Scenario	0.037372526	0.04595384	0.054302871	1.120610347
Proj00004-3UG-PASSocietal Discount Rate Scenario	0.000295198	0.08607531	0.002748944	Societal Discount Rate Scenario	0.037372526	0.04595384	0.054302871	1.825375086
Proj00004-3UG-PASWACC Discount Rate Scenario	0.000295198	0.08607531	0.002748944	WACC Discount Rate Scenario	0.037372526	0.04595384	0.054302871	1.120610347
Proj00004-3UG-UGASHybrid Discount Rate Scenario	0	0.085780112	0.002229891	Hybrid Discount Rate Scenario	0.037596381	0.04595384	0.054302871	1.120610347
Proj00004-3UG-UGASSocietal Discount Rate Scenario	0	0.085780112	0.002229891	Societal Discount Rate Scenario	0.037596381	0.04595384	0.054302871	1.825375086
Proj00004-3UG-UGASWACC Discount Rate Scenario	0	0.085780112	0.002229891	WACC Discount Rate Scenario	0.037596381	0.04595384	0.054302871	1.120610347
Proj00005-3UG-ALT1Hybrid Discount Rate Scenario	0.239725043	0.376172021	0.312125394	Hybrid Discount Rate Scenario	0.046425892	0.017620736	1.287588531	25.83717848
Proj00005-3UG-ALT1Societal Discount Rate Scenario	0.239725043	0.376172021	0.312125394	Societal Discount Rate Scenario	0.046425892	0.017620736	1.287588531	40.27792219
Proj00005-3UG-ALT1WACC Discount Rate Scenario	0.239725043	0.376172021	0.312125394	WACC Discount Rate Scenario	0.046425892	0.017620736	1.287588531	25.83717848
Proj00005-3UG-PASHybrid Discount Rate Scenario	4.08E-05	0.376172021	0.008121796	Hybrid Discount Rate Scenario	0.110745229	0.257304996	1.287588531	26.74359402
Proj00005-3UG-PASSocietal Discount Rate Scenario	4.08E-05	0.376172021	0.008121796	Societal Discount Rate Scenario	0.110745229	0.257304996	1.287588531	43.56294796
Proj00005-3UG-PASWACC Discount Rate Scenario	4.08E-05	0.376172021	0.008121796	WACC Discount Rate Scenario	0.110745229	0.257304996	1.287588531	26.74359402
Proj00005-3UG-UGASHybrid Discount Rate Scenario	0	0.376131239	0.008178753	Hybrid Discount Rate Scenario	0.11064749	0.257304996	1.287588531	26.74359402
Proj00005-3UG-UGASSocietal Discount Rate Scenario	0	0.376131239	0.008178753	Societal Discount Rate Scenario	0.11064749	0.257304996	1.287588531	43.56294796
Proj00005-3UG-UGASWACC Discount Rate Scenario	0	0.376131239	0.008178753	WACC Discount Rate Scenario	0.11064749	0.257304996	1.287588531	26.74359402
Proj00006-3UG-ALT1Hybrid Discount Rate Scenario	0.80433225	1.241705198	0.855534321	Hybrid Discount Rate Scenario	0.038729957	0.34744092	0.142853329	2.85922819
Proj00006-3UG-ALT1Societal Discount Rate Scenario	0.80433225	1.241705198	0.855534321	Societal Discount Rate Scenario	0.038729957	0.34744092	0.142853329	4.457288966
Proj00006-3UG-ALT1WACC Discount Rate Scenario	0.80433225	1.241705198	0.855534321	WACC Discount Rate Scenario	0.038729957	0.34744092	0.142853329	2.85922819
Proj00006-3UG-PASHybrid Discount Rate Scenario	0.327004221	1.241705198	0.352990512	Hybrid Discount Rate Scenario	0.063945737	0.824768949	0.142853329	2.915497949
Proj00006-3UG-PASSocietal Discount Rate Scenario	0.327004221	1.241705198	0.352990512	Societal Discount Rate Scenario	0.063945737	0.824768949	0.142853329	4.66122149
Proj00006-3UG-PASWACC Discount Rate Scenario	0.327004221	1.241705198	0.352990512	WACC Discount Rate Scenario	0.063945737	0.824768949	0.142853329	2.915497949
Proj00006-3UG-UGASHybrid Discount Rate Scenario	0	0.544528146	0.003420049	Hybrid Discount Rate Scenario	0.034497034	0.506611063	0.142853329	1.251185593
Proj00006-3UG-UGASSocietal Discount Rate Scenario	0	0.544528146	0.003420049	Societal Discount Rate Scenario	0.034497034	0.506611063	0.142853329	2.038070606
Proj00006-3UG-UGASWACC Discount Rate Scenario	0	0.544528146	0.003420049	WACC Discount Rate Scenario	0.034497034	0.506611063	0.142853329	1.251185593
Proj00007-3UG-ALT1Hybrid Discount Rate Scenario	0.499868151	1.146422857	0.843594884	Hybrid Discount Rate Scenario	0.279808268	0.023019705	0.57843645	11.60891955
Proj00007-3UG-ALT1Societal Discount Rate Scenario	0.499868151	1.146422857	0.843594884	Societal Discount Rate Scenario	0.279808268	0.023019705	0.57843645	18.09729954
Proj00007-3UG-ALT1WACC Discount Rate Scenario	0.499868151	1.146422857	0.843594884	WACC Discount Rate Scenario	0.279808268	0.023019705	0.57843645	11.60891955
Proj00007-3UG-PASHybrid Discount Rate Scenario	0.444511649	1.146422857	0.744489645	Hybrid Discount Rate Scenario	0.323557005	0.078376207	0.57843645	11.66650866
Proj00007-3UG-PASSocietal Discount Rate Scenario	0.444511649	1.146422857	0.744489645	Societal Discount Rate Scenario	0.323557005	0.078376207	0.57843645	18.30601365
Proj00007-3UG-PASWACC Discount Rate Scenario	0.444511649	1.146422857	0.744489645	WACC Discount Rate Scenario	0.323557005	0.078376207	0.57843645	11.66650866
Proj00007-3UG-UGASHybrid Discount Rate Scenario	0	0.146950436	0.004953064	Hybrid Discount Rate Scenario	0.083385757	0.058611615	0.57843645	1.699154252
Proj00007-3UG-UGASSocietal Discount Rate Scenario	0	0.146950436	0.004953064	Societal Discount Rate Scenario	0.083385757	0.058611615	0.57843645	2.767771908
Proj00007-3UG-UGASWACC Discount Rate Scenario	0	0.146950436	0.004953064	WACC Discount Rate Scenario	0.083385757	0.058611615	0.57843645	1.699154252
Proj00008-3UG-ALT1Hybrid Discount Rate Scenario	2.560580925	4.399602627	3.57893697	Hybrid Discount Rate Scenario	0.718472363	0.102193294	0.94984221	17.20413716
Proj00008-3UG-ALT1Societal Discount Rate Scenario	2.560580925	4.399602627	3.57893697	Societal Discount Rate Scenario	0.718472363	0.102193294	0.94984221	26.84769373
Proj00008-3UG-ALT1WACC Discount Rate Scenario	2.560580925	4.399602627	3.57893697	WACC Discount Rate Scenario	0.718472363	0.102193294	0.94984221	17.20413716
Proj00008-3UG-PASHybrid Discount Rate Scenario	1.12506962	4.399602627	1.796456354	Hybrid Discount Rate Scenario	1.065441675	1.537704599	0.94984221	17.4807562
Proj00008-3UG-PASSocietal Discount Rate Scenario	1.12506962	4.399602627	1.796456354	Societal Discount Rate Scenario	1.065441675	1.537704599	0.94984221	27.85021478
Proj00008-3UG-PASWACC Discount Rate Scenario	1.12506962	4.399602627	1.796456354	WACC Discount Rate Scenario	1.065441675	1.537704599	0.94984221	17.4807562
Proj00008-3UG-UGASHybrid Discount Rate Scenario	0	2.134638202	0.05153747	Hybrid Discount Rate Scenario	0.666867129	1.416233603	0.94984221	8.160038069
Proj00008-3UG-UGASSocietal Discount Rate Scenario	0	2.134638202	0.05153747	Societal Discount Rate Scenario	0.666867129	1.416233603	0.94984221	13.29197988
Proj00008-3UG-UGASWACC Discount Rate Scenario	0	2.134638202	0.05153747	WACC Discount Rate Scenario	0.666867129	1.416233603	0.94984221	8.160038069
Proj00009-3UG-ALT1Hybrid Discount Rate Scenario	1.047213546	1.686216734	1.204989959	Hybrid Discount Rate Scenario	0.122882201	0.358344573	1.315205475	26.3979808
Proj00009-3UG-ALT1Societal Discount Rate Scenario	1.047213546	1.686216734	1.204989959	Societal Discount Rate Scenario	0.122882201	0.358344573	1.315205475	41.1684373
Proj00009-3UG-ALT1WACC Discount Rate Scenario	1.047213546	1.686216734	1.204989959	WACC Discount Rate Scenario	0.122882201	0.358344573	1.315205475	26.3979808
Proj00009-3UG-PASHybrid Discount Rate Scenario	0.021554211	1.686216734	0.048983952	Hybrid Discount Rate Scenario	0.253228874	1.384003908	1.315205475	27.25550698
Proj00009-3UG-PASSocietal Discount Rate Scenario	0.021554211	1.686216734	0.048983952	Societal Discount Rate Scenario	0.253228874	1.384003908	1.315205475	44.27627851

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

sorter	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	total_om_costs_nbb_pv
Proj00009-3UG-PASWACC Discount Rate Scenario	0.021554211	1.686216734	0.048983952	WACC Discount Rate Scenario	0.253228874	1.384003908	1.315205475	27.25550698
Proj00009-3UG-UGASHybrid Discount Rate Scenario	0	1.608319553	0.017250832	Hybrid Discount Rate Scenario	0.242653635	1.348415086	1.315205475	25.30112378
Proj00009-3UG-UGASSocietal Discount Rate Scenario	0	1.608319553	0.017250832	Societal Discount Rate Scenario	0.242653635	1.348415086	1.315205475	41.21329158
Proj00009-3UG-UGASWACC Discount Rate Scenario	0	1.608319553	0.017250832	WACC Discount Rate Scenario	0.242653635	1.348415086	1.315205475	25.30112378
Proj00010-3UG-ALT1Hybrid Discount Rate Scenario	0.634077713	1.524211804	0.751241416	Hybrid Discount Rate Scenario	0.086052865	0.686917522	0.60340918	12.11010939
Proj00010-3UG-ALT1Societal Discount Rate Scenario	0.634077713	1.524211804	0.751241416	Societal Discount Rate Scenario	0.086052865	0.686917522	0.60340918	18.87861108
Proj00010-3UG-ALT1WACC Discount Rate Scenario	0.634077713	1.524211804	0.751241416	WACC Discount Rate Scenario	0.086052865	0.686917522	0.60340918	12.11010939
Proj00010-3UG-PASHybrid Discount Rate Scenario	0.094110154	1.524211804	0.123766968	Hybrid Discount Rate Scenario	0.173559756	1.22688508	0.60340918	12.47189852
Proj00010-3UG-PASSocietal Discount Rate Scenario	0.094110154	1.524211804	0.123766968	Societal Discount Rate Scenario	0.173559756	1.22688508	0.60340918	20.18980504
Proj00010-3UG-PASWACC Discount Rate Scenario	0.094110154	1.524211804	0.123766968	WACC Discount Rate Scenario	0.173559756	1.22688508	0.60340918	12.47189852
Proj00010-3UG-UGASHybrid Discount Rate Scenario	0	1.298101095	0.012444461	Hybrid Discount Rate Scenario	0.160724222	1.124932413	0.60340918	10.67450958
Proj00010-3UG-UGASSocietal Discount Rate Scenario	0	1.298101095	0.012444461	Societal Discount Rate Scenario	0.160724222	1.124932413	0.60340918	17.38783145
Proj00010-3UG-UGASWACC Discount Rate Scenario	0	1.298101095	0.012444461	WACC Discount Rate Scenario	0.160724222	1.124932413	0.60340918	10.67450958
Proj00011-3UG-ALT1Hybrid Discount Rate Scenario	5.69608254	6.423721104	5.859271458	Hybrid Discount Rate Scenario	0.045708807	0.518740838	1.858745724	19.18783478
Proj00011-3UG-ALT1Societal Discount Rate Scenario	5.69608254	6.423721104	5.859271458	Societal Discount Rate Scenario	0.045708807	0.518740838	1.858745724	29.91217159
Proj00011-3UG-ALT1WACC Discount Rate Scenario	5.69608254	6.423721104	5.859271458	WACC Discount Rate Scenario	0.045708807	0.518740838	1.858745724	19.18783478
Proj00011-3UG-PASHybrid Discount Rate Scenario	2.743143161	6.423721104	2.854101667	Hybrid Discount Rate Scenario	0.09793922	3.471680217	1.858745724	19.86097917
Proj00011-3UG-PASSocietal Discount Rate Scenario	2.743143161	6.423721104	2.854101667	Societal Discount Rate Scenario	0.09793922	3.471680217	1.858745724	32.35177745
Proj00011-3UG-PASWACC Discount Rate Scenario	2.743143161	6.423721104	2.854101667	WACC Discount Rate Scenario	0.09793922	3.471680217	1.858745724	19.86097917
Proj00011-3UG-UGASHybrid Discount Rate Scenario	0	3.579160111	0.009612997	Hybrid Discount Rate Scenario	0.097866897	3.471680217	1.858745724	19.86097917
Proj00011-3UG-UGASSocietal Discount Rate Scenario	0	3.579160111	0.009612997	Societal Discount Rate Scenario	0.097866897	3.471680217	1.858745724	32.35177745
Proj00011-3UG-UGASWACC Discount Rate Scenario	0	3.579160111	0.009612997	WACC Discount Rate Scenario	0.097866897	3.471680217	1.858745724	19.86097917
Proj00012-3UG-ALT1Hybrid Discount Rate Scenario	1.581918818	1.973396663	1.70555483	Hybrid Discount Rate Scenario	0.080691542	0.18715029	0.701238126	14.05931028
Proj00012-3UG-ALT1Societal Discount Rate Scenario	1.581918818	1.973396663	1.70555483	Societal Discount Rate Scenario	0.080691542	0.18715029	0.701238126	21.91724634
Proj00012-3UG-ALT1WACC Discount Rate Scenario	1.581918818	1.973396663	1.70555483	WACC Discount Rate Scenario	0.080691542	0.18715029	0.701238126	14.05931028
Proj00012-3UG-PASHybrid Discount Rate Scenario	0.229119038	1.973396663	0.276155438	Hybrid Discount Rate Scenario	0.157291155	1.53995007	0.701238126	14.41524683
Proj00012-3UG-PASSocietal Discount Rate Scenario	0.229119038	1.973396663	0.276155438	Societal Discount Rate Scenario	0.157291155	1.53995007	0.701238126	23.20722943
Proj00012-3UG-PASWACC Discount Rate Scenario	0.229119038	1.973396663	0.276155438	WACC Discount Rate Scenario	0.157291155	1.53995007	0.701238126	14.41524683
Proj00012-3UG-UGASHybrid Discount Rate Scenario	0	1.635161046	0.012615427	Hybrid Discount Rate Scenario	0.134688928	1.487856691	0.701238126	10.50183056
Proj00012-3UG-UGASSocietal Discount Rate Scenario	0	1.635161046	0.012615427	Societal Discount Rate Scenario	0.134688928	1.487856691	0.701238126	17.10655261
Proj00012-3UG-UGASWACC Discount Rate Scenario	0	1.635161046	0.012615427	WACC Discount Rate Scenario	0.134688928	1.487856691	0.701238126	10.50183056
Proj00013-3UG-ALT1Hybrid Discount Rate Scenario	1.171887748	2.267015988	1.298783932	Hybrid Discount Rate Scenario	0.084316853	0.883915203	0.945024686	18.96615546
Proj00013-3UG-ALT1Societal Discount Rate Scenario	1.171887748	2.267015988	1.298783932	Societal Discount Rate Scenario	0.084316853	0.883915203	0.945024686	29.56659275
Proj00013-3UG-ALT1WACC Discount Rate Scenario	1.171887748	2.267015988	1.298783932	WACC Discount Rate Scenario	0.084316853	0.883915203	0.945024686	18.96615546
Proj00013-3UG-PASHybrid Discount Rate Scenario	0.35702357	2.267015988	0.371620532	Hybrid Discount Rate Scenario	0.196616074	1.698779381	0.945024686	19.63066052
Proj00013-3UG-PASSocietal Discount Rate Scenario	0.35702357	2.267015988	0.371620532	Societal Discount Rate Scenario	0.196616074	1.698779381	0.945024686	31.97488801
Proj00013-3UG-PASWACC Discount Rate Scenario	0.35702357	2.267015988	0.371620532	WACC Discount Rate Scenario	0.196616074	1.698779381	0.945024686	19.63066052
Proj00013-3UG-UGASHybrid Discount Rate Scenario	0	1.908846742	0.014648065	Hybrid Discount Rate Scenario	0.196564972	1.697633705	0.945024686	19.60607778
Proj00013-3UG-UGASSocietal Discount Rate Scenario	0	1.908846742	0.014648065	Societal Discount Rate Scenario	0.196564972	1.697633705	0.945024686	31.93656564
Proj00013-3UG-UGASWACC Discount Rate Scenario	0	1.908846742	0.014648065	WACC Discount Rate Scenario	0.196564972	1.697633705	0.945024686	19.60607778
Proj00014-3UG-ALT1Hybrid Discount Rate Scenario	0.164856961	0.436424292	0.217599532	Hybrid Discount Rate Scenario	0.040471533	0.178353226	0.222922853	4.471036376
Proj00014-3UG-ALT1Societal Discount Rate Scenario	0.164856961	0.436424292	0.217599532	Societal Discount Rate Scenario	0.040471533	0.178353226	0.222922853	6.969958248
Proj00014-3UG-ALT1WACC Discount Rate Scenario	0.164856961	0.436424292	0.217599532	WACC Discount Rate Scenario	0.040471533	0.178353226	0.222922853	4.471036376
Proj00014-3UG-PASHybrid Discount Rate Scenario	0.000223214	0.436424292	0.006479852	Hybrid Discount Rate Scenario	0.086957467	0.342986973	0.222922853	4.627888521
Proj00014-3UG-PASSocietal Discount Rate Scenario	0.000223214	0.436424292	0.006479852	Societal Discount Rate Scenario	0.086957467	0.342986973	0.222922853	7.538420851
Proj00014-3UG-PASWACC Discount Rate Scenario	0.000223214	0.436424292	0.006479852	WACC Discount Rate Scenario	0.086957467	0.342986973	0.222922853	4.627888521
Proj00014-3UG-UGASHybrid Discount Rate Scenario	0	0.436201078	0.006287385	Hybrid Discount Rate Scenario	0.08692672	0.342986973	0.222922853	4.627888521
Proj00014-3UG-UGASSocietal Discount Rate Scenario	0	0.436201078	0.006287385	Societal Discount Rate Scenario	0.08692672	0.342986973	0.222922853	7.538420851
Proj00014-3UG-UGASWACC Discount Rate Scenario	0	0.436201078	0.006287385	WACC Discount Rate Scenario	0.08692672	0.342986973	0.222922853	4.627888521
Proj00015-3UG-ALT1Hybrid Discount Rate Scenario	2.586653088	5.572660204	3.785986349	Hybrid Discount Rate Scenario	0.875914124	0.910759731	1.57894037	31.71058946
Proj00015-3UG-ALT1Societal Discount Rate Scenario	2.586653088	5.572660204	3.785986349	Societal Discount Rate Scenario	0.875914124	0.910759731	1.57894037	49.47965197
Proj00015-3UG-ALT1WACC Discount Rate Scenario	2.586653088	5.572660204	3.785986349	WACC Discount Rate Scenario	0.875914124	0.910759731	1.57894037	31.71058946
Proj00015-3UG-PASHybrid Discount Rate Scenario	0.183058587	5.572660204	0.487350899	Hybrid Discount Rate Scenario	1.770955072	3.314354232	1.57894037	32.61740358
Proj00015-3UG-PASSocietal Discount Rate Scenario	0.183058587	5.572660204	0.487350899	Societal Discount Rate Scenario	1.770955072	3.314354232	1.57894037	52.77264367
Proj00015-3UG-PASWACC Discount Rate Scenario	0.183058587	5.572660204	0.487350899	WACC Discount Rate Scenario	1.770955072	3.314354232	1.57894037	32.61740358
Proj00015-3UG-UGASHybrid Discount Rate Scenario	0	4.776504785	0.108183536	Hybrid Discount Rate Scenario	1.584472	3.083849249	1.57894037	26.75317169
Proj00015-3UG-UGASSocietal Discount Rate Scenario	0	4.776504785	0.108183536	Societal Discount Rate Scenario	1.584472	3.083849249	1.57894037	43.57854913
Proj00015-3UG-UGASWACC Discount Rate Scenario	0	4.776504785	0.108183536	WACC Discount Rate Scenario	1.584472	3.083849249	1.57894037	26.75317169
Proj00016-3UG-ALT1Hybrid Discount Rate Scenario	0.060818605	2.152457165	1.200513355	Hybrid Discount Rate Scenario	0.886056987	0.065886822	1.65289579	33.17276127
Proj00016-3UG-ALT1Societal Discount Rate Scenario	0.060818605	2.152457165	1.200513355	Societal Discount Rate Scenario	0.886056987	0.065886822	1.65289579	51.71346005
Proj00016-3UG-ALT1WACC Discount Rate Scenario	0.060818605	2.152457165	1.200513355	WACC Discount Rate Scenario	0.886056987	0.065886822	1.65289579	33.17276127
Proj00016-3UG-PASHybrid Discount Rate Scenario	0.057514526	2.152457165	1.142729953	Hybrid Discount Rate Scenario	0.94053631	0.069190902	1.65289579	33.23598467
Proj00016-3UG-PASSocietal Discount Rate Scenario	0.057514526	2.152457165	1.142729953	Societal Discount Rate Scenario	0.94053631	0.069190902	1.65289579	51.94259394
Proj00016-3UG-PASWACC Discount Rate Scenario	0.057514526	2.152457165	1.142729953	WACC Discount Rate Scenario	0.94053631	0.069190902	1.65289579	33.23598467
Proj00016-3UG-UGASHybrid Discount Rate Scenario	0	0.117252997	0.007566197	Hybrid Discount Rate Scenario	0.102803302	0.006883499	1.65289579	1.865392901
Proj00016-3UG-UGASSocietal Discount Rate Scenario	0	0.117252997	0.007566197	Societal Discount Rate Scenario	0.102803302	0.006883499	1.65289579	3.038559955
Proj00016-3UG-UGASWACC Discount Rate Scenario	0	0.117252997	0.007566197	WACC Discount Rate Scenario	0.102803302	0.006883499	1.65289579	1.865392901
Proj00017-3UG-ALT1Hybrid Discount Rate Scenario	1.681633648	3.293635829	1.793007047	Hybrid Discount Rate Scenario	0.097266873	1.403361908	1.009765881	20.25935803
Proj00017-3UG-ALT1Societal Discount Rate Scenario	1.681633648	3.293635829	1.793007047	Societal Discount Rate Scenario	0.097266873	1.403361908	1.009765881	31.58258349
Proj00017-3UG-ALT1WACC Discount Rate Scenario	1.681633648	3.293635829	1.793007047	WACC Discount Rate Scenario	0.097266873	1.403361908	1.009765881	20.25935803
Proj00017-3UG-PASHybrid Discount Rate Scenario	0.77270149	3.293635829	0.844781505	Hybrid Discount Rate Scenario	0.136560256	2.312294067	1.009765881	20.54659316
Proj00017-3UG-PASSocietal Discount Rate Scenario	0.77270149	3.293635829	0.844781505	Societal Discount Rate Scenario	0.136560256	2.312294067	1.009765881	32.62357932
Proj00017-3UG-PASWACC Discount Rate Scenario	0.77270149	3.293635829	0.844781505	WACC Discount Rate Scenario	0.136560256	2.312294067	1.009765881	20.54659316
Proj00017-3UG-UGASHybrid Discount Rate Scenario	0	1.560377922	0.005773976	Hybrid Discount Rate Scenario	0.078520009	1.476083937	1.009765881	8.474810168
Proj00017-3UG-UGASSocietal Discount Rate Scenario	0	1.560377922	0.005773976	Societal Discount Rate Scenario	0.078520009	1.476083937	1.009765881	13.80471578
Proj00017-3UG-UGASWACC Discount Rate Scenario	0	1.560377922	0.005773976	WACC Discount Rate Scenario	0.078520009	1.476083937	1.009765881	8.474810168
Proj00018-3UG-ALT1Hybrid Discount Rate Scenario	1.437172537	1.624466827	1.468136147	Hybrid Discount Rate Scenario	0.020270808	0.136059872	0.376153946	6.677256861
Proj00018-3UG-ALT1Societal Discount Rate Scenario	1.437172537	1.624466827	1.468136147	Societal Discount Rate Scenario	0.020270808	0.136059872	0.376153946	10.41301018
Proj00018-3UG-ALT1WACC Discount Rate Scenario	1.437172537	1.624466827	1.468136147	WACC Discount Rate Scenario	0.020270808	0.136059872	0.376153946	6.677256861
Proj00018-3UG-PASHybrid Discount Rate Scenario	0.031774738	1.624466827	0.040127148	Hybrid Discount Rate Scenario	0.042882009	1.541457671	0.376153946	6.968964012
Proj00018-3UG-PASSocietal Discount Rate Scenario	0.031774738	1.624466827	0.040127148	Societal Discount Rate Scenario	0.042882009	1.541457671	0.376153946	11.35182565
Proj00018-3UG-PASWACC Discount Rate Scenario	0.031774738	1.624466827	0.040127148	WACC Discount Rate Scenario	0.042882009	1.541457671	0.376153946	6.968964012

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

sorter	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	total_om_costs_nbb_pv
Proj00018-3UG-UGAShybrid Discount Rate Scenario	0	1.551478031	0.00286471	Hybrid Discount Rate Scenario	0.0428287	1.505784621	0.376153946	6.968964012
Proj00018-3UG-UGASSocietal Discount Rate Scenario	0	1.551478031	0.00286471	Societal Discount Rate Scenario	0.0428287	1.505784621	0.376153946	11.35182565
Proj00018-3UG-UGASWACC Discount Rate Scenario	0	1.551478031	0.00286471	WACC Discount Rate Scenario	0.0428287	1.505784621	0.376153946	6.968964012
Proj00019-3UG-ALT1Hybrid Discount Rate Scenario	1.319923534	2.503002307	1.502095309	Hybrid Discount Rate Scenario	0.154206902	0.846700096	1.301033912	26.09871514
Proj00019-3UG-ALT1Societal Discount Rate Scenario	1.319923534	2.503002307	1.502095309	Societal Discount Rate Scenario	0.154206902	0.846700096	1.301033912	40.68563517
Proj00019-3UG-ALT1WACC Discount Rate Scenario	1.319923534	2.503002307	1.502095309	WACC Discount Rate Scenario	0.154206902	0.846700096	1.301033912	26.09871514
Proj00019-3UG-PAShybrid Discount Rate Scenario	0.000771185	2.503002307	0.021914015	Hybrid Discount Rate Scenario	0.315235847	2.165852445	1.301033912	27.01430587
Proj00019-3UG-PASSocietal Discount Rate Scenario	0.000771185	2.503002307	0.021914015	Societal Discount Rate Scenario	0.315235847	2.165852445	1.301033912	44.0039136
Proj00019-3UG-PASWACC Discount Rate Scenario	0.000771185	2.503002307	0.021914015	WACC Discount Rate Scenario	0.315235847	2.165852445	1.301033912	27.01430587
Proj00019-3UG-UGAShybrid Discount Rate Scenario	0	2.502231122	0.021314875	Hybrid Discount Rate Scenario	0.315063802	2.165852445	1.301033912	27.01430587
Proj00019-3UG-UGASSocietal Discount Rate Scenario	0	2.502231122	0.021314875	Societal Discount Rate Scenario	0.315063802	2.165852445	1.301033912	44.0039136
Proj00019-3UG-UGASWACC Discount Rate Scenario	0	2.502231122	0.021314875	WACC Discount Rate Scenario	0.315063802	2.165852445	1.301033912	27.01430587
Proj00020-3UG-ALT1Hybrid Discount Rate Scenario	0.068863205	0.303614567	0.168422174	Hybrid Discount Rate Scenario	0.060590587	0.074601805	1.039412457	20.86046898
Proj00020-3UG-ALT1Societal Discount Rate Scenario	0.068863205	0.303614567	0.168422174	Societal Discount Rate Scenario	0.060590587	0.074601805	1.039412457	32.51966336
Proj00020-3UG-ALT1WACC Discount Rate Scenario	0.068863205	0.303614567	0.168422174	WACC Discount Rate Scenario	0.060590587	0.074601805	1.039412457	20.86046898
Proj00020-3UG-PAShybrid Discount Rate Scenario	0	0.303614567	0.009567803	Hybrid Discount Rate Scenario	0.150581754	0.14346501	1.039412457	21.59229244
Proj00020-3UG-PASSocietal Discount Rate Scenario	0	0.303614567	0.009567803	Societal Discount Rate Scenario	0.150581754	0.14346501	1.039412457	35.17193355
Proj00020-3UG-PASWACC Discount Rate Scenario	0	0.303614567	0.009567803	WACC Discount Rate Scenario	0.150581754	0.14346501	1.039412457	21.59229244
Proj00020-3UG-UGAShybrid Discount Rate Scenario	0	0.303614567	0.009727057	Hybrid Discount Rate Scenario	0.150422499	0.14346501	1.039412457	21.59229244
Proj00020-3UG-UGASSocietal Discount Rate Scenario	0	0.303614567	0.009727057	Societal Discount Rate Scenario	0.150422499	0.14346501	1.039412457	35.17193355
Proj00020-3UG-UGASWACC Discount Rate Scenario	0	0.303614567	0.009727057	WACC Discount Rate Scenario	0.150422499	0.14346501	1.039412457	21.59229244
Proj00021-3UG-ALT1Hybrid Discount Rate Scenario	0.332034108	2.148352717	1.295684847	Hybrid Discount Rate Scenario	0.738714756	0.113953114	1.624893777	32.6167373
Proj00021-3UG-ALT1Societal Discount Rate Scenario	0.332034108	2.148352717	1.295684847	Societal Discount Rate Scenario	0.738714756	0.113953114	1.624893777	50.86426312
Proj00021-3UG-ALT1WACC Discount Rate Scenario	0.332034108	2.148352717	1.295684847	WACC Discount Rate Scenario	0.738714756	0.113953114	1.624893777	32.6167373
Proj00021-3UG-PAShybrid Discount Rate Scenario	1.71E-05	2.148352717	0.122070441	Hybrid Discount Rate Scenario	1.580312129	0.445970148	1.624893777	33.75217326
Proj00021-3UG-PASSocietal Discount Rate Scenario	1.71E-05	2.148352717	0.122070441	Societal Discount Rate Scenario	1.580312129	0.445970148	1.624893777	54.9793033
Proj00021-3UG-PASWACC Discount Rate Scenario	1.71E-05	2.148352717	0.122070441	WACC Discount Rate Scenario	1.580312129	0.445970148	1.624893777	33.75217326
Proj00021-3UG-UGAShybrid Discount Rate Scenario	0	2.145014117	0.123580611	Hybrid Discount Rate Scenario	1.578784884	0.442648622	1.624893777	33.75217326
Proj00021-3UG-UGASSocietal Discount Rate Scenario	0	2.145014117	0.123580611	Societal Discount Rate Scenario	1.578784884	0.442648622	1.624893777	54.9793033
Proj00021-3UG-UGASWACC Discount Rate Scenario	0	2.145014117	0.123580611	WACC Discount Rate Scenario	1.578784884	0.442648622	1.624893777	33.75217326
Proj00022-3UG-ALT1Hybrid Discount Rate Scenario	0.004913752	0.253897566	0.14684875	Hybrid Discount Rate Scenario	0.101731744	0.005317072	0.153889016	3.086756458
Proj00022-3UG-ALT1Societal Discount Rate Scenario	0.004913752	0.253897566	0.14684875	Societal Discount Rate Scenario	0.101731744	0.005317072	0.153889016	4.811985818
Proj00022-3UG-ALT1WACC Discount Rate Scenario	0.004913752	0.253897566	0.14684875	WACC Discount Rate Scenario	0.101731744	0.005317072	0.153889016	3.086756458
Proj00022-3UG-PAShybrid Discount Rate Scenario	0.00434352	0.253897566	0.13225337	Hybrid Discount Rate Scenario	0.115756892	0.005887304	0.153889016	3.099337761
Proj00022-3UG-PASSocietal Discount Rate Scenario	0.00434352	0.253897566	0.13225337	Societal Discount Rate Scenario	0.115756892	0.005887304	0.153889016	4.8575829
Proj00022-3UG-PASWACC Discount Rate Scenario	0.00434352	0.253897566	0.13225337	WACC Discount Rate Scenario	0.115756892	0.005887304	0.153889016	3.099337761
Proj00022-3UG-UGAShybrid Discount Rate Scenario	0	0.02948208	0.002476653	Hybrid Discount Rate Scenario	0.025817444	0.001187983	0.153889016	0.371208609
Proj00022-3UG-UGASSocietal Discount Rate Scenario	0	0.02948208	0.002476653	Societal Discount Rate Scenario	0.025817444	0.001187983	0.153889016	0.604665974
Proj00022-3UG-UGASWACC Discount Rate Scenario	0	0.02948208	0.002476653	WACC Discount Rate Scenario	0.025817444	0.001187983	0.153889016	0.371208609
Proj00023-3UG-ALT1Hybrid Discount Rate Scenario	1.987744462	5.987217541	3.308105359	Hybrid Discount Rate Scenario	0.88187379	1.797238391	3.346426923	67.16105298
Proj00023-3UG-ALT1Societal Discount Rate Scenario	1.987744462	5.987217541	3.308105359	Societal Discount Rate Scenario	0.88187379	1.797238391	3.346426923	104.6982614
Proj00023-3UG-ALT1WACC Discount Rate Scenario	1.987744462	5.987217541	3.308105359	WACC Discount Rate Scenario	0.88187379	1.797238391	3.346426923	67.16105298
Proj00023-3UG-PAShybrid Discount Rate Scenario	0.013429578	5.987217541	0.17995202	Hybrid Discount Rate Scenario	2.035712246	3.771553276	3.346426923	69.49811276
Proj00023-3UG-PASSocietal Discount Rate Scenario	0.013429578	5.987217541	0.17995202	Societal Discount Rate Scenario	2.035712246	3.771553276	3.346426923	113.1682194
Proj00023-3UG-PASWACC Discount Rate Scenario	0.013429578	5.987217541	0.17995202	WACC Discount Rate Scenario	2.035712246	3.771553276	3.346426923	69.49811276
Proj00023-3UG-UGAShybrid Discount Rate Scenario	0	5.941724061	0.15798849	Hybrid Discount Rate Scenario	2.026731004	3.757004567	3.346426923	68.95444164
Proj00023-3UG-UGASSocietal Discount Rate Scenario	0	5.941724061	0.15798849	Societal Discount Rate Scenario	2.026731004	3.757004567	3.346426923	112.3206832
Proj00023-3UG-UGASWACC Discount Rate Scenario	0	5.941724061	0.15798849	WACC Discount Rate Scenario	2.026731004	3.757004567	3.346426923	68.95444164
Proj00024-3UG-ALT1Hybrid Discount Rate Scenario	0.072139479	0.105837462	0.089824878	Hybrid Discount Rate Scenario	0.011942849	0.004069735	0.244700239	4.904725402
Proj00024-3UG-ALT1Societal Discount Rate Scenario	0.072139479	0.105837462	0.089824878	Societal Discount Rate Scenario	0.011942849	0.004069735	0.244700239	7.646041857
Proj00024-3UG-ALT1WACC Discount Rate Scenario	0.072139479	0.105837462	0.089824878	WACC Discount Rate Scenario	0.011942849	0.004069735	0.244700239	4.904725402
Proj00024-3UG-PAShybrid Discount Rate Scenario	1.00E-05	0.105837462	0.00187727	Hybrid Discount Rate Scenario	0.027761001	0.07619919	0.244700239	5.076792153
Proj00024-3UG-PASSocietal Discount Rate Scenario	1.00E-05	0.105837462	0.00187727	Societal Discount Rate Scenario	0.027761001	0.07619919	0.244700239	8.269645142
Proj00024-3UG-PASWACC Discount Rate Scenario	1.00E-05	0.105837462	0.00187727	WACC Discount Rate Scenario	0.027761001	0.07619919	0.244700239	5.076792153
Proj00024-3UG-UGAShybrid Discount Rate Scenario	0	0.105827438	0.001858524	Hybrid Discount Rate Scenario	0.027769724	0.07619919	0.244700239	5.076792153
Proj00024-3UG-UGASSocietal Discount Rate Scenario	0	0.105827438	0.001858524	Societal Discount Rate Scenario	0.027769724	0.07619919	0.244700239	8.269645142
Proj00024-3UG-UGASWACC Discount Rate Scenario	0	0.105827438	0.001858524	WACC Discount Rate Scenario	0.027769724	0.07619919	0.244700239	5.076792153
Proj00025-3UG-ALT1Hybrid Discount Rate Scenario	0.006862447	0.290968962	0.155962069	Hybrid Discount Rate Scenario	0.127580093	0.0074268	0.534510718	10.72214285
Proj00025-3UG-ALT1Societal Discount Rate Scenario	0.006862447	0.290968962	0.155962069	Societal Discount Rate Scenario	0.127580093	0.0074268	0.534510718	16.71489152
Proj00025-3UG-ALT1WACC Discount Rate Scenario	0.006862447	0.290968962	0.155962069	WACC Discount Rate Scenario	0.127580093	0.0074268	0.534510718	10.72214285
Proj00025-3UG-PAShybrid Discount Rate Scenario	6.94E-06	0.290968962	0.017741326	Hybrid Discount Rate Scenario	0.258945328	0.014282307	0.534510718	11.09829526
Proj00025-3UG-PASSocietal Discount Rate Scenario	6.94E-06	0.290968962	0.017741326	Societal Discount Rate Scenario	0.258945328	0.014282307	0.534510718	18.07814082
Proj00025-3UG-PASWACC Discount Rate Scenario	6.94E-06	0.290968962	0.017741326	WACC Discount Rate Scenario	0.258945328	0.014282307	0.534510718	11.09829526
Proj00025-3UG-UGAShybrid Discount Rate Scenario	0	0.290962022	0.017872121	Hybrid Discount Rate Scenario	0.258807593	0.014282307	0.534510718	11.09829526
Proj00025-3UG-UGASSocietal Discount Rate Scenario	0	0.290962022	0.017872121	Societal Discount Rate Scenario	0.258807593	0.014282307	0.534510718	18.07814082
Proj00025-3UG-UGASWACC Discount Rate Scenario	0	0.290962022	0.017872121	WACC Discount Rate Scenario	0.258807593	0.014282307	0.534510718	11.09829526
Proj00026-3UG-ALT1Hybrid Discount Rate Scenario	0.010115198	0.134146129	0.080966177	Hybrid Discount Rate Scenario	0.042234668	0.010945284	0.716454763	14.37077871
Proj00026-3UG-ALT1Societal Discount Rate Scenario	0.010115198	0.134146129	0.080966177	Societal Discount Rate Scenario	0.042234668	0.010945284	0.716454763	22.40279862
Proj00026-3UG-ALT1WACC Discount Rate Scenario	0.010115198	0.134146129	0.080966177	WACC Discount Rate Scenario	0.042234668	0.010945284	0.716454763	14.37077871
Proj00026-3UG-PAShybrid Discount Rate Scenario	1.19E-05	0.134146129	0.006436166	Hybrid Discount Rate Scenario	0.10666134	0.021048623	0.716454763	14.87493195
Proj00026-3UG-PASSocietal Discount Rate Scenario	1.19E-05	0.134146129	0.006436166	Societal Discount Rate Scenario	0.10666134	0.021048623	0.716454763	24.22994777
Proj00026-3UG-PASWACC Discount Rate Scenario	1.19E-05	0.134146129	0.006436166	WACC Discount Rate Scenario	0.10666134	0.021048623	0.716454763	14.87493195
Proj00026-3UG-UGAShybrid Discount Rate Scenario	0	0.133513366	0.006472724	Hybrid Discount Rate Scenario	0.106612923	0.020427719	0.716454763	14.87493195
Proj00026-3UG-UGASSocietal Discount Rate Scenario	0	0.133513366	0.006472724	Societal Discount Rate Scenario	0.106612923	0.020427719	0.716454763	24.22994777
Proj00026-3UG-UGASWACC Discount Rate Scenario	0	0.133513366	0.006472724	WACC Discount Rate Scenario	0.106612923	0.020427719	0.716454763	14.87493195
Proj00027-3UG-ALT1Hybrid Discount Rate Scenario	2.23063616	3.086256341	2.418890487	Hybrid Discount Rate Scenario	0.14900699	0.518358864	0.232453808	4.657922912
Proj00027-3UG-ALT1Societal Discount Rate Scenario	2.23063616	3.086256341	2.418890487	Societal Discount Rate Scenario	0.14900699	0.518358864	0.232453808	7.261298162
Proj00027-3UG-ALT1WACC Discount Rate Scenario	2.23063616	3.086256341	2.418890487	WACC Discount Rate Scenario	0.14900699	0.518358864	0.232453808	4.657922912
Proj00027-3UG-PAShybrid Discount Rate Scenario	0.001563233	3.086256341	0.022558657	Hybrid Discount Rate Scenario	0.316265893	2.747431791	0.232453808	4.821331379
Proj00027-3UG-PASSocietal Discount Rate Scenario	0.001563233	3.086256341	0.022558657	Societal Discount Rate Scenario	0.316265893	2.747431791	0.232453808	7.853522148
Proj00027-3UG-PASWACC Discount Rate Scenario	0.001563233	3.086256341	0.022558657	WACC Discount Rate Scenario	0.316265893	2.747431791	0.232453808	4.821331379
Proj00027-3UG-UGAShybrid Discount Rate Scenario	0	3.084693108	0.020799772	Hybrid Discount Rate Scenario	0.316461546	2.747431791	0.232453808	4.821331379
Proj00027-3UG-UGASSocietal Discount Rate Scenario	0	3.084693108	0.020799772	Societal Discount Rate Scenario	0.316461546	2.747431791	0.232453808	7.853522148
Proj00027-3UG-UGASWACC Discount Rate Scenario	0	3.084693108	0.020799772	WACC Discount Rate Scenario	0.316461546	2.747431791	0.232453808	4.821331379
Proj00028-3UG-ALT1Hybrid Discount Rate Scenario	2.334494138	2.544123693	2.426835524	Hybrid Discount Rate Scenario	0.040818155	0.076470014	0.751962415	14.45840625
Proj00028-3UG-ALT1Societal Discount Rate Scenario	2.334494138	2.544123693	2.426835524	Societal Discount Rate Scenario	0.040818155	0.076470014	0.751962415	22.53940237
Proj00028-3UG-ALT1WACC Discount Rate Scenario	2.334494138	2.544123693	2.426835524	WACC Discount Rate Scenario	0.040818155	0.076470014	0.751962415	14.45840625
Proj00028-3UG-PAShybrid Discount Rate Scenario	0.325107222	2.544123693	0.353328025	Hybrid Discount Rate Scenario	0.104938738	2.08585693	0.751962415	14.87838029
Proj00028-3UG-PASSocietal Discount Rate Scenario	0.325107222	2.544123693	0.353328025	Societal Discount Rate Scenario	0.104938738	2.08585693	0.751962415	24.06146979
Proj00028-3UG-PASWACC Discount Rate Scenario	0.325107222	2.544123693	0.353328025	WACC Discount Rate Scenario	0.104938738	2.08585693	0.751962415	14.87838029
Proj00028-3UG-UGAShybrid Discount Rate Scenario	0	2.178438557	0.007821956	Hybrid Discount Rate Scenario	0.097914054	2.072702547	0.751962415	12.3912432
Proj00028-3UG-UGASSocietal Discount Rate Scenario	0	2.178438557	0.007821956	Societal Discount Rate Scenario	0.097914054	2.072702547	0.751962415	20.1842386
Proj00028-3UG-UGASWACC Discount Rate Scenario	0	2.178438557	0.007821956	WACC Discount Rate Scenario	0.097914054	2.072702547	0.751962415	12.3912432

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

sorter	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
Proj00001-3UG-ALT1Hybrid Discount Rate Scenario	0.008392938	-0.034134328	0.168441916	-6.86E-01	11.83318672	7.598838147	0.946685807	2.88739171	2.895784648
Proj00001-3UG-ALT1Societal Discount Rate Scenario	0.008392938	-0.034134328	0.26258634	-1.070334254	17.01916853	10.5366971	0.946685807	2.88739171	2.895784648
Proj00001-3UG-ALT1WACC Discount Rate Scenario	0.008392938	-0.034134328	0.168441916	-6.86E-01	10.91767063	6.736248352	0.946685807	2.88739171	2.895784648
Proj00001-3UG-PASHybrid Discount Rate Scenario	0.001263181	-1.115986679	0.026240755	-23.18301191	132.9105814	90.67629516	3.062763727	11.11783233	11.11909551
Proj00001-3UG-PASSocietal Discount Rate Scenario	0.001263181	-1.115986679	0.042743866	-37.7630734	188.2182487	127.2639172	3.062763727	11.11783233	11.11909551
Proj00001-3UG-PASWACC Discount Rate Scenario	0.001263181	-1.115986679	0.026240755	-23.18301191	116.2944841	78.63507022	3.062763727	11.11783233	11.11909551
Proj00001-3UG-UGASHybrid Discount Rate Scenario	0.001263181	-1.115986679	0.026240755	-23.18301191	132.9105814	90.67629516	3.062763727	11.11783233	11.11909551
Proj00001-3UG-UGASSocietal Discount Rate Scenario	0.001263181	-1.115986679	0.042743866	-37.7630734	188.2182487	127.2639172	3.062763727	11.11783233	11.11909551
Proj00001-3UG-UGASWACC Discount Rate Scenario	0.001263181	-1.115986679	0.026240755	-23.18301191	116.2944841	78.63507022	3.062763727	11.11783233	11.11909551
Proj00002-3UG-ALT1Hybrid Discount Rate Scenario	0.007072083	0	0.141933041	0	29.82970119	28.51651597	0.904287	2.32401759	2.331089673
Proj00002-3UG-ALT1Societal Discount Rate Scenario	0.007072083	0	0.221261303	0	41.61359354	39.55204038	0.904287	2.32401759	2.331089673
Proj00002-3UG-ALT1WACC Discount Rate Scenario	0.007072083	0	0.141933041	0	25.98170853	24.68614984	0.904287	2.32401759	2.331089673
Proj00002-3UG-PASHybrid Discount Rate Scenario	0.001014738	-0.269423569	0.02107972	-5.596885635	53.03112106	50.09441643	3.059524	7.83238144	7.833396178
Proj00002-3UG-PASSocietal Discount Rate Scenario	0.001014738	-0.269423569	0.034336997	-9.11683105	77.07430896	72.24381317	3.059524	7.83238144	7.833396178
Proj00002-3UG-PASWACC Discount Rate Scenario	0.001014738	-0.269423569	0.02107972	-5.596885635	45.672686	42.77912879	3.059524	7.83238144	7.833396178
Proj00002-3UG-UGASHybrid Discount Rate Scenario	0.001014738	-0.269423569	0.02107972	-5.596885635	53.03112106	50.09441643	3.059524	7.83238144	7.833396178
Proj00002-3UG-UGASSocietal Discount Rate Scenario	0.001014738	-0.269423569	0.034336997	-9.11683105	77.07430896	72.24381317	3.059524	7.83238144	7.833396178
Proj00002-3UG-UGASWACC Discount Rate Scenario	0.001014738	-0.269423569	0.02107972	-5.596885635	45.672686	42.77912879	3.059524	7.83238144	7.833396178
Proj00003-3UG-ALT1Hybrid Discount Rate Scenario	0.022977413	0	0.461144776	0.00E+00	49.00720135	43.37964831	0.904287	7.55079645	7.573773863
Proj00003-3UG-ALT1Societal Discount Rate Scenario	0.022977413	0	0.718884717	0	69.9878177	61.22523496	0.904287	7.55079645	7.573773863
Proj00003-3UG-ALT1WACC Discount Rate Scenario	0.022977413	0	0.461144776	0.00E+00	42.9490696	37.39536344	0.904287	7.55079645	7.573773863
Proj00003-3UG-PASHybrid Discount Rate Scenario	0.004008776	-1.339578272	0.083276538	-27.82780442	177.5998674	140.5906495	3.059524	35.24571648	35.24972526
Proj00003-3UG-PASSocietal Discount Rate Scenario	0.004008776	-1.339578272	0.135650106	-45.32902902	258.8745883	203.8771427	3.059524	35.24571648	35.24972526
Proj00003-3UG-PASWACC Discount Rate Scenario	0.004008776	-1.339578272	0.083276538	-27.82780442	153.4120952	119.9967826	3.059524	35.24571648	35.24972526
Proj00003-3UG-UGASHybrid Discount Rate Scenario	0.004008776	-1.339578272	0.083276538	-27.82780442	177.5998674	140.5906495	3.059524	35.24571648	35.24972526
Proj00003-3UG-UGASSocietal Discount Rate Scenario	0.004008776	-1.339578272	0.135650106	-45.32902902	258.8745883	203.8771427	3.059524	35.24571648	35.24972526
Proj00003-3UG-UGASWACC Discount Rate Scenario	0.004008776	-1.339578272	0.083276538	-27.82780442	153.4120952	119.9967826	3.059524	35.24571648	35.24972526
Proj00004-3UG-ALT1Hybrid Discount Rate Scenario	0.001183262	0	0.023747458	0.00E+00	1.816466945	0.850711492	0.600573	0.25824639	0.259429652
Proj00004-3UG-ALT1Societal Discount Rate Scenario	0.001183262	0	0.037020227	0	2.68812314	1.19420312	0.600573	0.25824639	0.259429652
Proj00004-3UG-ALT1WACC Discount Rate Scenario	0.001183262	0	0.023747458	0.00E+00	1.72185877	0.768572453	0.600573	0.25824639	0.259429652
Proj00004-3UG-PASHybrid Discount Rate Scenario	0.000167032	-0.048039455	0.003469839	-0.997950323	4.288551256	1.902575236	2.467274	1.18429152	1.184458552
Proj00004-3UG-PASSocietal Discount Rate Scenario	0.000167032	-0.048039455	0.00565206	-1.625572699	6.645552173	2.782376666	2.467274	1.18429152	1.184458552
Proj00004-3UG-PASWACC Discount Rate Scenario	0.000167032	-0.048039455	0.003469839	-0.997950323	4.059912421	1.709624314	2.467274	1.18429152	1.184458552
Proj00004-3UG-UGASHybrid Discount Rate Scenario	0.000167032	-0.048039455	0.003469839	-0.997950323	4.288551256	1.902575236	2.467274	1.18429152	1.184458552
Proj00004-3UG-UGASSocietal Discount Rate Scenario	0.000167032	-0.048039455	0.00565206	-1.625572699	6.645552173	2.782376666	2.467274	1.18429152	1.184458552
Proj00004-3UG-UGASWACC Discount Rate Scenario	0.000167032	-0.048039455	0.003469839	-0.997950323	4.059912421	1.709624314	2.467274	1.18429152	1.184458552
Proj00005-3UG-ALT1Hybrid Discount Rate Scenario	0.015602618	0	0.313136456	0.00E+00	4.800034641	1.937415748	1.036335	5.87601945	5.891622068
Proj00005-3UG-ALT1Societal Discount Rate Scenario	0.015602618	0	0.488152582	0	7.221904745	2.773568543	1.036335	5.87601945	5.891622068
Proj00005-3UG-ALT1WACC Discount Rate Scenario	0.015602618	0	0.313136456	0.00E+00	4.586737373	1.761478812	1.036335	5.87601945	5.891622068
Proj00005-3UG-PASHybrid Discount Rate Scenario	0.002293214	-1.227385609	0.047638201	-25.49716384	18.95904526	9.511455345	2.467274	16.25933566	16.26162887
Proj00005-3UG-PASSocietal Discount Rate Scenario	0.002293214	-1.227385609	0.077598411	-41.53262191	28.69019489	13.79435396	2.467274	16.25933566	16.26162887
Proj00005-3UG-PASWACC Discount Rate Scenario	0.002293214	-1.227385609	0.047638201	-25.49716384	17.40585477	8.385012218	2.467274	16.25933566	16.26162887
Proj00005-3UG-UGASHybrid Discount Rate Scenario	0.002293214	-1.227385609	0.047638201	-25.49716384	18.95904526	9.511455345	2.467274	16.25933566	16.26162887
Proj00005-3UG-UGASSocietal Discount Rate Scenario	0.002293214	-1.227385609	0.077598411	-41.53262191	28.69019489	13.79435396	2.467274	16.25933566	16.26162887
Proj00005-3UG-UGASWACC Discount Rate Scenario	0.002293214	-1.227385609	0.047638201	-25.49716384	17.40585477	8.385012218	2.467274	16.25933566	16.26162887
Proj00006-3UG-ALT1Hybrid Discount Rate Scenario	0.003384691	0	0.067928995	0	14.27553708	11.88730635	1.049	1.29027	1.293654691
Proj00006-3UG-ALT1Societal Discount Rate Scenario	0.003384691	0	0.105895412	0	20.16915295	16.44531853	1.049	1.29027	1.293654691
Proj00006-3UG-ALT1WACC Discount Rate Scenario	0.003384691	0	0.067928995	0	12.73707054	10.38026366	1.049	1.29027	1.293654691
Proj00006-3UG-PASHybrid Discount Rate Scenario	0.001687792	-0.073803215	0.034015221	-1.525977541	32.88552681	25.8103371	2.387232143	2.6737	2.675387792
Proj00006-3UG-PASSocietal Discount Rate Scenario	0.001687792	-0.073803215	0.053320263	-2.473571017	44.36669698	34.30476796	2.387232143	2.6737	2.675387792
Proj00006-3UG-PASWACC Discount Rate Scenario	0.001687792	-0.073803215	0.034015221	-1.525977541	29.76012316	23.062755	2.387232143	2.6737	2.675387792
Proj00006-3UG-UGASHybrid Discount Rate Scenario	0.00020183	-0.073803215	0.004192735	-1.296573565	19.63197458	15.05391974	3.06	1.7748	1.77500183
Proj00006-3UG-UGASSocietal Discount Rate Scenario	0.00020183	-0.073803215	0.006829594	-2.112003525	28.52156761	21.54313605	3.06	1.7748	1.77500183
Proj00006-3UG-UGASWACC Discount Rate Scenario	0.00020183	-0.073803215	0.004192735	-1.296573565	17.18199526	12.96796612	3.06	1.7748	1.77500183
Proj00007-3UG-ALT1Hybrid Discount Rate Scenario	0.022537137	0	0.452308665	0.00E+00	28.66159584	8.735133648	0.904	7.40376	7.426297137
Proj00007-3UG-ALT1Societal Discount Rate Scenario	0.022537137	0	0.705109986	0	45.25565145	13.17994427	0.904	7.40376	7.426297137
Proj00007-3UG-ALT1WACC Discount Rate Scenario	0.022537137	0	0.452308665	0.00E+00	27.73232802	8.089206196	0.904	7.40376	7.426297137
Proj00007-3UG-PASHybrid Discount Rate Scenario	0.019717407	-0.062551028	0.395980301	-1.299407294	35.40347705	11.46572595	1.18867284	9.62825	9.647967407
Proj00007-3UG-PASSocietal Discount Rate Scenario	0.019717407	-0.062551028	0.61784038	-2.116619408	56.41398075	17.40568609	1.18867284	9.62825	9.647967407
Proj00007-3UG-PASWACC Discount Rate Scenario	0.019717407	-0.062551028	0.395980301	-1.299407294	34.02602204	10.51380734	1.18867284	9.62825	9.647967407
Proj00007-3UG-UGASHybrid Discount Rate Scenario	0.000372343	-0.062551028	0.00773489	-1.299407294	10.79478867	3.965788292	3.059	3.27313	3.273502343
Proj00007-3UG-UGASSocietal Discount Rate Scenario	0.000372343	-0.062551028	0.012599451	-2.116619408	17.55772758	6.089458511	3.059	3.27313	3.273502343
Proj00007-3UG-UGASWACC Discount Rate Scenario	0.000372343	-0.062551028	0.00773489	-1.299407294	10.21519789	3.568459433	3.059	3.27313	3.273502343
Proj00008-3UG-ALT1Hybrid Discount Rate Scenario	0.051375848	-0.021385741	1.031086659	-0.387351936	64.44427661	21.89079765	0.908986644	16.97078065	17.0221565
Proj00008-3UG-ALT1Societal Discount Rate Scenario	0.051375848	-0.021385741	1.607374691	-0.604477054	94.91542895	30.96888365	0.908986644	16.97078065	17.0221565
Proj00008-3UG-ALT1WACC Discount Rate Scenario	0.051375848	-0.021385741	1.031086659	-0.387351936	62.30894876	20.18049954	0.908986644	16.97078065	17.0221565
Proj00008-3UG-PASHybrid Discount Rate Scenario	0.032457426	-0.293927296	0.655055912	-6.055237316	140.7699147	62.75855618	2.202406505	54.65602104	54.68847846
Proj00008-3UG-PASSocietal Discount Rate Scenario	0.032457426	-0.293927296	1.028718163	-9.8493872	207.1485433	88.75508852	2.202406505	54.65602104	54.68847846
Proj00008-3UG-PASWACC Discount Rate Scenario	0.032457426	-0.293927296	0.655055912	-6.055237316	131.9034517	56.40769931	2.202406505	54.65602104	54.68847846
Proj00008-3UG-UGASHybrid Discount Rate Scenario	0.005187225	-0.293927296	0.107757102	-5.84538092	103.2671201	49.44231317	3.059524	45.60679451	45.61198173
Proj00008-3UG-UGASSocietal Discount Rate Scenario	0.005187225	-0.293927296	0.175526776	-9.521607875	153.4697903	70.57529096	3.059524	45.60679451	45.61198173
Proj00008-3UG-UGASWACC Discount Rate Scenario	0.005187225	-0.293927296	0.107757102	-5.84538092	95.53408497	43.9562846	3.059524	45.60679451	45.61198173
Proj00009-3UG-ALT1Hybrid Discount Rate Scenario	0.019234975	-0.011190952	0.386035988	-0.224617787	30.78353866	23.30544518	0.906038519	6.33320925	6.352444225
Proj00009-3UG-ALT1Societal Discount Rate Scenario	0.019234975	-0.011190952	0.60179663	-0.350298129	44.65270947	33.11519802	0.906038519	6.33320925	6.352444225
Proj00009-3UG-ALT1WACC Discount Rate Scenario	0.019234975	-0.011190952	0.386035988	-0.224617787	27.58591725	20.20337861	0.906038519	6.33320925	6.352444225
Proj00009-3UG-PASHybrid Discount Rate Scenario	0.004289801	-1.07179701	0.088223189	-22.26447388	82.18606643	58.91572101	2.945342584	26.94988464	26.95417444
Proj00009-3UG-PASSocietal Discount Rate Scenario	0.004289801	-1.07179701	0.141929503	-36.26583068	122.6607436	86.47423528	2.945342584	26.94988464	26.95417444

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

sorter	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
Proj00009-3UG-PASWACC Discount Rate Scenario	0.004289801	-1.07179701	0.088223189	-22.26447388	72.52615524	50.47135396	2.945342584	26.94988464	26.95417444
Proj00009-3UG-UGAShybrid Discount Rate Scenario	0.00302398	-1.07179701	0.062818818	-22.24784423	79.49555797	56.91925601	3.059524	26.58726356	26.59028754
Proj00009-3UG-UGASSocietal Discount Rate Scenario	0.00302398	-1.07179701	0.102326292	-36.23976803	119.0624817	83.83170024	3.059524	26.58726356	26.59028754
Proj00009-3UG-UGASWACC Discount Rate Scenario	0.00302398	-1.07179701	0.062818818	-22.24784423	70.0515368	48.67903069	3.059524	26.58726356	26.59028754
Proj00010-3UG-ALT1Hybrid Discount Rate Scenario	0.021518953	0	0.43187424	0	48.85274889	43.27935121	0.960487	7.51100834	7.532527293
Proj00010-3UG-ALT1Societal Discount Rate Scenario	0.021518953	0	0.673254491	0	72.14374153	63.37093992	0.960487	7.51100834	7.532527293
Proj00010-3UG-ALT1WACC Discount Rate Scenario	0.021518953	0	0.43187424	0	42.13844069	36.6401459	0.960487	7.51100834	7.532527293
Proj00010-3UG-PASHybrid Discount Rate Scenario	0.005916783	-0.385977712	0.120665174	-8.018129659	91.22171755	79.50439144	2.781428903	25.00504584	25.01096262
Proj00010-3UG-PASSocietal Discount Rate Scenario	0.005916783	-0.385977712	0.192068577	-13.06082314	141.8009443	122.4579017	2.781428903	25.00504584	25.01096262
Proj00010-3UG-PASWACC Discount Rate Scenario	0.005916783	-0.385977712	0.120665174	-8.018129659	77.61929093	66.07509396	2.781428903	25.00504584	25.01096262
Proj00010-3UG-UGAShybrid Discount Rate Scenario	0.002724713	-0.385977712	0.056601987	-8.018129659	83.97096633	73.0808469	3.059524	23.95607292	23.95879763
Proj00010-3UG-UGASSocietal Discount Rate Scenario	0.002724713	-0.385977712	0.092199624	-13.06082314	131.0933315	113.0523528	3.059524	23.95607292	23.95879763
Proj00010-3UG-UGASWACC Discount Rate Scenario	0.002724713	-0.385977712	0.056601987	-8.018129659	71.36508094	60.63694384	3.059524	23.95607292	23.95879763
Proj00011-3UG-ALT1Hybrid Discount Rate Scenario	0.013236087	0	0.265641413	0	46.76628524	43.89327369	1.049	5.04569	5.058926087
Proj00011-3UG-ALT1Societal Discount Rate Scenario	0.013236087	0	0.414111928	0	65.64806728	61.1628187	1.049	5.04569	5.058926087
Proj00011-3UG-ALT1WACC Discount Rate Scenario	0.013236087	0	0.265641413	0	40.7899561	37.95488896	1.049	5.04569	5.058926087
Proj00011-3UG-PASHybrid Discount Rate Scenario	0.002084424	-0.905170076	0.043300897	-18.80360138	167.4656272	134.6899672	3.059	18.32341	18.32549442
Proj00011-3UG-PASSocietal Discount Rate Scenario	0.002084424	-0.905170076	0.070533327	-30.62940143	241.4247643	193.5966265	3.059	18.32341	18.32549442
Proj00011-3UG-PASWACC Discount Rate Scenario	0.002084424	-0.905170076	0.043300897	-18.80360138	144.1629609	115.1884237	3.059	18.32341	18.32549442
Proj00011-3UG-UGAShybrid Discount Rate Scenario	0.002084424	-0.905170076	0.043300897	-18.80360138	167.4656272	134.6899672	3.059	18.32341	18.32549442
Proj00011-3UG-UGASSocietal Discount Rate Scenario	0.002084424	-0.905170076	0.070533327	-30.62940143	241.4247643	193.5966265	3.059	18.32341	18.32549442
Proj00011-3UG-UGASWACC Discount Rate Scenario	0.002084424	-0.905170076	0.043300897	-18.80360138	144.1629609	115.1884237	3.059	18.32341	18.32549442
Proj00012-3UG-ALT1Hybrid Discount Rate Scenario	0.013346162	0	0.267850565	0.00E+00	20.8146397	15.62779541	1.049	5.08765	5.100996162
Proj00012-3UG-ALT1Societal Discount Rate Scenario	0.013346162	0	0.417555804	0	29.9304819	21.76189355	1.049	5.08765	5.100996162
Proj00012-3UG-ALT1WACC Discount Rate Scenario	0.013346162	0	0.267850565	0.00E+00	18.80541571	13.68854064	1.049	5.08765	5.100996162
Proj00012-3UG-PASHybrid Discount Rate Scenario	0.005607944	-0.464366242	0.113881376	-9.646538185	79.05052005	55.08030791	2.659368189	18.05711	18.06271794
Proj00012-3UG-PASSocietal Discount Rate Scenario	0.005607944	-0.464366242	0.18028387	-15.71335642	115.5105985	79.00296205	2.659368189	18.05711	18.06271794
Proj00012-3UG-PASWACC Discount Rate Scenario	0.005607944	-0.464366242	0.113881376	-9.646538185	69.36650333	47.48609445	2.659368189	18.05711	18.06271794
Proj00012-3UG-UGAShybrid Discount Rate Scenario	0.001893033	-0.464366242	0.039325033	-9.646538185	73.25675436	50.730303	3.059	16.64096	16.64285303
Proj00012-3UG-UGASSocietal Discount Rate Scenario	0.001893033	-0.464366242	0.064056996	-15.71335642	107.1794334	72.94522776	3.059	16.64096	16.64285303
Proj00012-3UG-UGASWACC Discount Rate Scenario	0.001893033	-0.464366242	0.039325033	-9.646538185	64.13200618	43.67588211	3.059	16.64096	16.64285303
Proj00013-3UG-ALT1Hybrid Discount Rate Scenario	0.021243782	0	0.426351699	0	55.05848307	49.95572154	1.225497	9.46083684	9.482080622
Proj00013-3UG-ALT1Societal Discount Rate Scenario	0.021243782	0	0.664645327	0	80.29305129	72.40047783	1.225497	9.46083684	9.482080622
Proj00013-3UG-ALT1WACC Discount Rate Scenario	0.021243782	0	0.426351699	0	47.48690358	42.4499565	1.225497	9.46083684	9.482080622
Proj00013-3UG-PASHybrid Discount Rate Scenario	0.003691789	-0.795760865	0.076672209	-16.530783	110.8120439	98.42489743	2.967778073	31.28038089	31.28407268
Proj00013-3UG-PASSocietal Discount Rate Scenario	0.003691789	-0.795760865	0.124853581	-26.92718156	170.5188162	150.4246111	2.967778073	31.28038089	31.28407268
Proj00013-3UG-PASWACC Discount Rate Scenario	0.003691789	-0.795760865	0.076672209	-16.530783	94.25720043	82.04571151	2.967778073	31.28038089	31.28407268
Proj00013-3UG-UGAShybrid Discount Rate Scenario	0.003664271	-0.795760865	0.07611994	-16.530783	110.7406806	98.36014794	2.966782543	31.269888	31.27355227
Proj00013-3UG-UGASSocietal Discount Rate Scenario	0.003664271	-0.795760865	0.123992641	-26.92718156	170.4147453	150.3307701	2.966782543	31.269888	31.27355227
Proj00013-3UG-UGASWACC Discount Rate Scenario	0.003664271	-0.795760865	0.07611994	-16.530783	94.19565087	81.99069053	2.966782543	31.269888	31.27355227
Proj00014-3UG-ALT1Hybrid Discount Rate Scenario	0.003467258	0	0.069586069	0	8.113632246	5.544151438	0.904287	1.13940162	1.142868878
Proj00014-3UG-ALT1Societal Discount Rate Scenario	0.003467258	0	0.108478648	0	11.74265207	7.714733522	0.904287	1.13940162	1.142868878
Proj00014-3UG-ALT1WACC Discount Rate Scenario	0.003467258	0	0.069586069	0	7.422200545	4.886998343	0.904287	1.13940162	1.142868878
Proj00014-3UG-PASHybrid Discount Rate Scenario	0.000438461	-0.19241766	0.009108391	-3.997199071	16.95373567	11.1877604	3.059524	3.85500024	3.855438701
Proj00014-3UG-PASSocietal Discount Rate Scenario	0.000438461	-0.19241766	0.014836763	-6.511083303	25.6997506	16.1965922	3.059524	3.85500024	3.855438701
Proj00014-3UG-PASWACC Discount Rate Scenario	0.000438461	-0.19241766	0.009108391	-3.997199071	15.44609565	9.76491583	3.059524	3.85500024	3.855438701
Proj00014-3UG-UGAShybrid Discount Rate Scenario	0.000438461	-0.19241766	0.009108391	-3.997199071	16.95373567	11.1877604	3.059524	3.85500024	3.855438701
Proj00014-3UG-UGASSocietal Discount Rate Scenario	0.000438461	-0.19241768	0.014836763	-6.511083303	25.6997506	16.1965922	3.059524	3.85500024	3.855438701
Proj00014-3UG-UGASWACC Discount Rate Scenario	0.000438461	-0.19241766	0.009108391	-3.997199071	15.44609565	9.76491583	3.059524	3.85500024	3.855438701
Proj00015-3UG-ALT1Hybrid Discount Rate Scenario	0.062795753	-0.031874056	1.260278235	-0.640141405	110.0119994	54.95534992	1.053491649	24.04067942	24.10347517
Proj00015-3UG-ALT1Societal Discount Rate Scenario	0.062795753	-0.031874056	1.964664483	-0.998845322	162.0146212	77.5902808	1.053491649	24.04067942	24.10347517
Proj00015-3UG-ALT1WACC Discount Rate Scenario	0.062795753	-0.031874056	1.260278235	-0.640141405	103.5811806	49.21602607	1.053491649	24.04067942	24.10347517
Proj00015-3UG-PASHybrid Discount Rate Scenario	0.018598251	-1.076341603	0.379066964	-22.35528137	277.041724	143.3651653	2.78833051	76.60213311	76.62072935
Proj00015-3UG-PASSocietal Discount Rate Scenario	0.018598251	-1.076341603	0.602931173	-36.40661911	420.9085836	208.8475739	2.78833051	76.60213311	76.62072935
Proj00015-3UG-PASWACC Discount Rate Scenario	0.018598251	-1.076341603	0.379066964	-22.35528137	255.9771395	126.4088927	2.78833051	76.60213311	76.62072935
Proj00015-3UG-UGAShybrid Discount Rate Scenario	0.008251537	-1.076341603	0.171413758	-22.22178767	252.8178234	131.2507926	3.059524	72.5486569	72.55690843
Proj00015-3UG-UGASSocietal Discount Rate Scenario	0.008251537	-1.076341603	0.279217832	-36.19732424	388.1122239	192.9995905	3.059524	72.5486569	72.55690843
Proj00015-3UG-UGASWACC Discount Rate Scenario	0.008251537	-1.076341603	0.171413758	-22.22178767	232.8128305	115.2401755	3.059524	72.5486569	72.55690843
Proj00016-3UG-ALT1Hybrid Discount Rate Scenario	0.070720887	0	1.419331568	0	85.26761511	24.68316588	0.904287	23.2401759	23.31089679
Proj00016-3UG-ALT1Societal Discount Rate Scenario	0.070720887	0	2.212614837	0	132.937834	36.98586218	0.904287	23.2401759	23.31089679
Proj00016-3UG-ALT1WACC Discount Rate Scenario	0.070720887	0	1.419331568	0	82.76806758	23.01458624	0.904287	23.2401759	23.31089679
Proj00016-3UG-PASHybrid Discount Rate Scenario	0.067605659	-0.071226243	1.357329641	-1.479622348	90.88412602	26.26801566	1.057526328	27.66488874	27.7324944
Proj00016-3UG-PASSocietal Discount Rate Scenario	0.067605659	-0.071226243	2.117031284	-2.410173773	142.477144	39.5643808	1.057526328	27.66488874	27.7324944
Proj00016-3UG-PASWACC Discount Rate Scenario	0.067605659	-0.071226243	1.357329641	-1.479622348	88.19964884	24.47951093	1.057526328	27.66488874	27.7324944
Proj00016-3UG-UGAShybrid Discount Rate Scenario	0.000737271	-0.071226243	0.015315747	-1.479622348	10.24882637	2.925806844	3.059524	5.69071464	5.691451911
Proj00016-3UG-UGASSocietal Discount Rate Scenario	0.000737271	-0.071226243	0.024947995	-2.410173773	16.76139527	4.587841624	3.059524	5.69071464	5.691451911
Proj00016-3UG-UGASWACC Discount Rate Scenario	0.000737271	-0.071226243	0.015315747	-1.479622348	9.928085428	2.715233185	3.059524	5.69071464	5.691451911
Proj00017-3UG-ALT1Hybrid Discount Rate Scenario	0.019950438	0	0.400394948	0	117.4780395	111.405436	1.0526	7.63135	7.651300438
Proj00017-3UG-ALT1Societal Discount Rate Scenario	0.019950438	0	0.624181004	0	169.1310558	159.6436155	1.0526	7.63135	7.651300438
Proj00017-3UG-ALT1WACC Discount Rate Scenario	0.019950438	0	0.400394948	0	100.9890464	94.99673026	1.0526	7.63135	7.651300438
Proj00017-3UG-PASHybrid Discount Rate Scenario	0.013189169	-0.337362116	0.265616107	-7.008210856	169.9126176	157.2239916	1.981679901	15.97234	15.98552917
Proj00017-3UG-PASSocietal Discount Rate Scenario	0.013189169	-0.337362116	0.415964945	-11.41575485	251.1106766	231.4826599	1.981679901	15.97234	15.98552917
Proj00017-3UG-PASWACC Discount Rate Scenario	0.013189169	-0.337362116	0.265616107	-7.008210856	144.799643	132.7496464	1.981679901	15.97234	15.98552917
Proj00017-3UG-UGAShybrid Discount Rate Scenario	0.00130146	-0.337362116	0.027035945	-7.008210856	99.91190995	90.84171799	3.059	11.44066	11.44196146
Proj00017-3UG-UGASSocietal Discount Rate Scenario	0.00130146	-0.337362116	0.04403916	-11.41575485	150.3318957	136.3570849	3.059	11.44066	11.44196146
Proj00017-3UG-UGASWACC Discount Rate Scenario	0.00130146	-0.337362116	0.027035945	-7.008210856	84.59410089	76.14469811	3.059	11.44066	11.44196146
Proj00018-3UG-ALT1Hybrid Discount Rate Scenario	0.006466692	-0.002992001	0.129783154	-5.31E-02	10.88144051	9.543585945	0.905936782	2.128951438	2.13541813
Proj00018-3UG-ALT1Societal Discount Rate Scenario	0.006466692	-0.002992001	0.202320682	-8.28E-02	15.24200588	13.14732959	0.905936782	2.128951438	2.13541813
Proj00018-3UG-ALT1WACC Discount Rate Scenario	0.006466692	-0.002992001	0.129783154	-5.31E-02	9.647613079	8.327547153	0.905936782	2.128951438	2.13541813
Proj00018-3UG-PASHybrid Discount Rate Scenario	0.00085604	-0.278821248	0.017782996	-5.772505677	65.49198666	48.53771479	3.069976705	7.552142695	7.552998735
Proj00018-3UG-PASSocietal Discount Rate Scenario	0.00085604	-0.278821248	0.028966926	-9.402900555	93.29913782	68.71529326	3.069976705	7.552142695	7.552998735
Proj00018-3UG-PASWACC Discount Rate Scenario	0.00085604	-0.278821248	0.017782996	-5.772505677	56.8016909	41.83884137	3.069976705	7.552142695	7.552998735

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

sorter	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
Proj00018-3UG-UGAShybrid Discount Rate Scenario	0.00085604	-0.278821248	0.017782996	-5.772505677	65.49198666	48.53771479	3.069976705	7.552142695	7.552998735
Proj00018-3UG-UGASSocietal Discount Rate Scenario	0.00085604	-0.278821248	0.028966926	-9.402900555	93.29913782	68.71529326	3.069976705	7.552142695	7.552998735
Proj00018-3UG-UGASWACC Discount Rate Scenario	0.00085604	-0.278821248	0.017782996	-5.772505677	56.8016909	41.83884137	3.069976705	7.552142695	7.552998735
Proj00019-3UG-ALT1Hybrid Discount Rate Scenario	0.023472734	0	0.471085603	0	63.36284826	53.76748096	1.065773	9.09104369	9.114516424
Proj00019-3UG-ALT1Societal Discount Rate Scenario	0.023472734	0	0.734381605	0.00E+00	92.68587544	77.70753972	1.065773	9.09104369	9.114516424
Proj00019-3UG-ALT1WACC Discount Rate Scenario	0.023472734	0	0.471085603	0	55.39106737	45.92229564	1.065773	9.09104369	9.114516424
Proj00019-3UG-PASHybrid Discount Rate Scenario	0.003904381	-1.094884654	0.081107875	-22.74464781	141.8464688	115.8631107	3.74	41.9628	41.96670438
Proj00019-3UG-PASSocietal Discount Rate Scenario	0.003904381	-1.094884654	0.132117546	-37.04901707	216.482914	175.1207645	3.74	41.9628	41.96670438
Proj00019-3UG-PASWACC Discount Rate Scenario	0.003904381	-1.094884654	0.081107875	-22.74464781	122.3187897	97.39515709	3.74	41.9628	41.96670438
Proj00019-3UG-UGAShybrid Discount Rate Scenario	0.003904381	-1.094884654	0.081107875	-22.74464781	141.8464688	115.8631107	3.74	41.9628	41.96670438
Proj00019-3UG-UGASSocietal Discount Rate Scenario	0.003904381	-1.094884654	0.132117546	-37.04901707	216.482914	175.1207645	3.74	41.9628	41.96670438
Proj00019-3UG-UGASWACC Discount Rate Scenario	0.003904381	-1.094884654	0.081107875	-22.74464781	122.3187897	97.39515709	3.74	41.9628	41.96670438
Proj00020-3UG-ALT1Hybrid Discount Rate Scenario	0.01348376	0	0.270612075	0	8.805767919	5.155405232	1.04	5.096	5.10948376
Proj00020-3UG-ALT1Societal Discount Rate Scenario	0.01348376	0	0.421860758	0	12.98517758	7.321760889	1.04	5.096	5.10948376
Proj00020-3UG-ALT1WACC Discount Rate Scenario	0.01348376	0	0.270612075	0	8.151135776	4.548166439	1.04	5.096	5.10948376
Proj00020-3UG-PASHybrid Discount Rate Scenario	0.001910434	-0.945279517	0.0396865	-19.6368171	19.78988217	10.32446295	3.059	16.79391	16.79582043
Proj00020-3UG-PASSocietal Discount Rate Scenario	0.001910434	-0.945279517	0.064645794	-31.98663606	30.85302874	15.416051	3.059	16.79391	16.79582043
Proj00020-3UG-PASWACC Discount Rate Scenario	0.001910434	-0.945279517	0.0396865	-19.6368171	18.38476524	9.055013711	3.059	16.79391	16.79582043
Proj00020-3UG-UGAShybrid Discount Rate Scenario	0.001910434	-0.945279517	0.0396865	-19.6368171	19.78988217	10.32446295	3.059	16.79391	16.79582043
Proj00020-3UG-UGASSocietal Discount Rate Scenario	0.001910434	-0.945279517	0.064645794	-31.98663606	30.85302874	15.416051	3.059	16.79391	16.79582043
Proj00020-3UG-UGASWACC Discount Rate Scenario	0.001910434	-0.945279517	0.0396865	-19.6368171	18.38476524	9.055013711	3.059	16.79391	16.79582043
Proj00021-3UG-ALT1Hybrid Discount Rate Scenario	0.055008194	-0.01210104	1.103985947	-0.242905998	66.6173653	20.68223014	0.917864176	18.34810487	18.40311306
Proj00021-3UG-ALT1Societal Discount Rate Scenario	0.055008194	-0.01210104	1.721018359	-3.79E-01	101.8282489	30.33630357	0.917864176	18.34810487	18.40311306
Proj00021-3UG-ALT1WACC Discount Rate Scenario	0.055008194	-0.01210104	1.103985947	-0.242905998	64.5438404	19.20874511	0.917864176	18.34810487	18.40311306
Proj00021-3UG-PASHybrid Discount Rate Scenario	0.008142826	-1.389614375	0.169155443	-28.8672125	155.3729858	50.24364938	2.469675513	57.790407	57.79854983
Proj00021-3UG-PASSocietal Discount Rate Scenario	0.008142826	-1.389614375	0.275539236	-47.02213275	249.2066867	76.87264824	2.469675513	57.790407	57.79854983
Proj00021-3UG-PASWACC Discount Rate Scenario	0.008142826	-1.389614375	0.169155443	-28.8672125	149.3402667	46.05183791	2.469675513	57.790407	57.79854983
Proj00021-3UG-UGAShybrid Discount Rate Scenario	0.008142826	-1.389614375	0.169155443	-28.8672125	155.3729858	50.24364938	2.469675513	57.790407	57.79854983
Proj00021-3UG-UGASSocietal Discount Rate Scenario	0.008142826	-1.389614375	0.275539236	-47.02213275	249.2066867	76.87264824	2.469675513	57.790407	57.79854983
Proj00021-3UG-UGASWACC Discount Rate Scenario	0.008142826	-1.389614375	0.169155443	-28.8672125	149.3402667	46.05183791	2.469675513	57.790407	57.79854983
Proj00022-3UG-ALT1Hybrid Discount Rate Scenario	0.006631803	0	0.133096859	0.00E+00	8.943055416	2.58878284	0.783822	1.88901102	1.895642823
Proj00022-3UG-ALT1Societal Discount Rate Scenario	0.006631803	0	0.207486461	0.00E+00	13.67415866	3.810089987	0.783822	1.88901102	1.895642823
Proj00022-3UG-ALT1WACC Discount Rate Scenario	0.006631803	0	0.133096859	0.00E+00	8.693263057	2.421863029	0.783822	1.88901102	1.895642823
Proj00022-3UG-PASHybrid Discount Rate Scenario	0.005958739	-0.014098027	0.119657405	-0.292866154	10.24343237	2.949658134	0.987735776	2.38044322	2.386401959
Proj00022-3UG-PASSocietal Discount Rate Scenario	0.005958739	-0.014098027	0.186677201	-0.47705303	15.82789575	4.384276836	0.987735776	2.38044322	2.386401959
Proj00022-3UG-PASWACC Discount Rate Scenario	0.005958739	-0.014098027	0.119657405	-0.292866154	9.954133805	2.775411376	0.987735776	2.38044322	2.386401959
Proj00022-3UG-UGAShybrid Discount Rate Scenario	9.74E-05	-0.014098027	0.002024082	-0.292866154	2.339404136	0.661646744	2.538937	0.71090236	0.710999796
Proj00022-3UG-UGASSocietal Discount Rate Scenario	9.74E-05	-0.014098027	0.003297051	-0.47705303	3.742436018	1.016852906	2.538937	0.71090236	0.710999796
Proj00022-3UG-UGASWACC Discount Rate Scenario	9.74E-05	-0.014098027	0.002024082	-0.292866154	2.270876415	0.617056624	2.538937	0.71090236	0.710999796
Proj00023-3UG-ALT1Hybrid Discount Rate Scenario	0.067996629	0	1.36465712	0	152.7471779	97.62581084	1.049	25.92079	25.98878663
Proj00023-3UG-ALT1Societal Discount Rate Scenario	0.067996629	0	2.127382114	0	226.5025941	140.5053243	1.049	25.92079	25.98878663
Proj00023-3UG-ALT1WACC Discount Rate Scenario	0.067996629	0	1.36465712	0	139.4509891	85.05624372	1.049	25.92079	25.98878663
Proj00023-3UG-PASHybrid Discount Rate Scenario	0.012173024	-3.060005643	0.252489504	-63.567199	342.5363424	206.300128	3.045321429	102.3228	102.334973
Proj00023-3UG-PASSocietal Discount Rate Scenario	0.012173024	-3.060005643	0.410509886	-103.5453378	533.7968748	311.333704	3.045321429	102.3228	102.334973
Proj00023-3UG-PASWACC Discount Rate Scenario	0.012173024	-3.060005643	0.252489504	-63.567199	311.4856088	177.6725824	3.045321429	102.3228	102.334973
Proj00023-3UG-UGAShybrid Discount Rate Scenario	0.011622667	-3.060005643	0.241444121	-63.567199	341.2998486	205.5098436	3.059	102.1706	102.1822227
Proj00023-3UG-UGASSocietal Discount Rate Scenario	0.011622667	-3.060005643	0.393291091	-103.5453378	531.9633282	310.1963084	3.059	102.1706	102.1822227
Proj00023-3UG-UGASWACC Discount Rate Scenario	0.011622667	-3.060005643	0.241444121	-63.567199	310.3567481	176.9840491	3.059	102.1706	102.1822227
Proj00024-3UG-ALT1Hybrid Discount Rate Scenario	0.003137037	0	0.062958713	0	1.529617387	0.705462121	0.912275	1.0399935	1.043130537
Proj00024-3UG-ALT1Societal Discount Rate Scenario	0.003137037	0	0.098147174	0.00E+00	2.343001207	1.022384957	0.912275	1.0399935	1.043130537
Proj00024-3UG-ALT1WACC Discount Rate Scenario	0.003137037	0	0.062958713	0	1.444153496	0.631585734	0.912275	1.0399935	1.043130537
Proj00024-3UG-PASHybrid Discount Rate Scenario	0.000428021	-0.218223379	0.008891509	-4.533275606	6.002537825	3.200523507	2.549712	3.13614576	3.136573781
Proj00024-3UG-PASSocietal Discount Rate Scenario	0.000428021	-0.218223379	0.014483481	-7.384304503	9.281381625	4.734106145	2.549712	3.13614576	3.136573781
Proj00024-3UG-PASWACC Discount Rate Scenario	0.000428021	-0.218223379	0.008891509	-4.533275606	5.441874881	2.787145882	2.549712	3.13614576	3.136573781
Proj00024-3UG-UGAShybrid Discount Rate Scenario	0.000428021	-0.218223379	0.008891509	-4.533275606	6.002537825	3.200523507	2.549712	3.13614576	3.136573781
Proj00024-3UG-UGASSocietal Discount Rate Scenario	0.000428021	-0.218223379	0.014483481	-7.384304503	9.281381625	4.734106145	2.549712	3.13614576	3.136573781
Proj00024-3UG-UGASWACC Discount Rate Scenario	0.000428021	-0.218223379	0.008891509	-4.533275606	5.441874881	2.787145882	2.549712	3.13614576	3.136573781
Proj00025-3UG-ALT1Hybrid Discount Rate Scenario	0.007815079	0	0.156844592	0	12.74855189	5.020716099	1.487546	4.22463064	4.232445719
Proj00025-3UG-ALT1Societal Discount Rate Scenario	0.007815079	0	0.244507119	0	19.1470489	7.20092073	1.487546	4.22463064	4.232445719
Proj00025-3UG-ALT1WACC Discount Rate Scenario	0.007815079	0	0.156844592	0	12.19703132	4.56878028	1.487546	4.22463064	4.232445719
Proj00025-3UG-PASHybrid Discount Rate Scenario	0.001245784	-0.465820254	0.025879364	-9.676743191	25.51805723	9.203164144	3.740208	13.38994464	13.39119042
Proj00025-3UG-PASSocietal Discount Rate Scenario	0.001245784	-0.465820254	0.042155193	-15.7625577	40.25453014	13.82755036	3.740208	13.38994464	13.39119042
Proj00025-3UG-PASWACC Discount Rate Scenario	0.001245784	-0.465820254	0.025879364	-9.676743191	24.45394237	8.369801423	3.740208	13.38994464	13.39119042
Proj00025-3UG-UGAShybrid Discount Rate Scenario	0.001245784	-0.465820254	0.025879364	-9.676743191	25.51805723	9.203164144	3.740208	13.38994464	13.39119042
Proj00025-3UG-UGASSocietal Discount Rate Scenario	0.001245784	-0.465820254	0.042155193	-15.7625577	40.25453014	13.82755036	3.740208	13.38994464	13.39119042
Proj00025-3UG-UGASWACC Discount Rate Scenario	0.001245784	-0.465820254	0.025879364	-9.676743191	24.45394237	8.369801423	3.740208	13.38994464	13.39119042
Proj00026-3UG-ALT1Hybrid Discount Rate Scenario	0.009328548	0	0.187219129	0	4.22089949	1.593467557	1.049	3.55611	3.565438548
Proj00026-3UG-ALT1Societal Discount Rate Scenario	0.009328548	0	0.291858387	0	6.391936769	2.299670609	1.049	3.55611	3.565438548
Proj00026-3UG-ALT1WACC Discount Rate Scenario	0.009328548	0	0.187219129	0	4.047574343	1.454638221	1.049	3.55611	3.565438548
Proj00026-3UG-PASHybrid Discount Rate Scenario	0.001144867	-0.652841282	0.023782954	-13.56158791	10.50410761	3.589635965	3.070367781	10.10151	10.10265487
Proj00026-3UG-PASSocietal Discount Rate Scenario	0.001144867	-0.652841282	0.038740325	-22.09062575	16.56362635	5.392724756	3.070367781	10.10151	10.10265487
Proj00026-3UG-PASWACC Discount Rate Scenario	0.001144867	-0.652841282	0.023782954	-13.56158791	10.10595088	3.28829392	3.070367781	10.10151	10.10265487
Proj00026-3UG-UGAShybrid Discount Rate Scenario	0.001144867	-0.652841282	0.023782954	-13.56158791	10.50410761	3.589635965	3.070367781	10.10151	10.10265487
Proj00026-3UG-UGASSocietal Discount Rate Scenario	0.001144867	-0.652841282	0.038740325	-22.09062575	16.56362635	5.392724756	3.070367781	10.10151	10.10265487
Proj00026-3UG-UGASWACC Discount Rate Scenario	0.001144867	-0.652841282	0.023782954	-13.56158791	10.10595088	3.28829392	3.070367781	10.10151	10.10265487
Proj00027-3UG-ALT1Hybrid Discount Rate Scenario	0.003632351	0	0.0728994	0	27.28203869	17.72958056	0.575159	0.75920988	0.762842231
Proj00027-3UG-ALT1Societal Discount Rate Scenario	0.003632351	0	0.113643842	0.00E+00	40.1235439	25.08450676	0.575159	0.75920988	0.762842231
Proj00027-3UG-ALT1WACC Discount Rate Scenario	0.003632351	0	0.0728994	0	24.98984564	15.56607837	0.575159	0.75920988	0.762842231
Proj00027-3UG-PASHybrid Discount Rate Scenario	0.000455858	-0.213161893	0.009469797	-4.428130546	119.5819231	79.64422346	2.467274	3.23212894	3.232584798
Proj00027-3UG-PASSocietal Discount Rate Scenario	0.000455858	-0.213161893	0.015425461	-7.213032513	177.0681816	115.276196	2.467274	3.23212894	3.232584798
Proj00027-3UG-PASWACC Discount Rate Scenario	0.000455858	-0.213161893	0.009469797	-4.428130546	105.6505656	68.68670704	2.467274	3.23212894	3.232584798
Proj00027-3UG-UGAShybrid Discount Rate Scenario	0.000455858	-0.213161893	0.009469797	-4.428130546	119.5819231	79.64422346	2.467274	3.23212894	3.232584798
Proj00027-3UG-UGASSocietal Discount Rate Scenario	0.000455858	-0.213161893	0.015425461	-7.213032513	177.0681816	115.276196	2.467274	3.23212894	3.232584798
Proj00027-3UG-UGASWACC Discount Rate Scenario	0.000455858	-0.213161893	0.009469797	-4.428130546	105.6505656	68.68670704	2.467274	3.23212894	3.232584798
Proj00028-3UG-ALT1Hybrid Discount Rate Scenario	0.008805717	0	0.176726172	0	15.17891349	12.56135864	1.049	3.3568	3.365605717
Proj00028-3UG-ALT1Societal Discount Rate Scenario	0.008805717	0	0.275500778	0.00E+00	21.46038302	17.34465202	1.049	3.3568	3.365605717
Proj00028-3UG-ALT1WACC Discount Rate Scenario	0.008805717	0	0.176726172	0	13.56389784	10.98152036	1.049	3.3568	3.365605717
Proj00028-3UG-PASHybrid Discount Rate Scenario	0.002515677	-0.565349738	0.051193949	-11.74432453	96.57414124	68.30396801	2.736696793	9.38687	9.389385677
Proj00028-3UG-PASSocietal Discount Rate Scenario	0.002515677	-0.565349738	0.081264229	-19.1304646	139.2905722	97.45880159	2.736696793	9.38687	9.389385677
Proj00028-3UG-PASWACC Discount Rate Scenario	0.002515677	-0.565349738	0.051193949	-11.74432453	83.90060194	58.77367471	2.736696793	9.38687	9.389385677
Proj00028-3UG-UGAShybrid Discount Rate Scenario	0.001002194	-0.565349738	0.020819138	-11.74432453	93.96306239	66.14316131	3.059	8.80992	8.810922194
Proj00028-3UG-UGASSocietal Discount Rate Scenario	0.001002194	-0.565349738	0.033912532	-19.1304646	135.598954	94.47517209	3.059	8.80992	8.810922194
Proj00028-3UG-UGASWACC Discount Rate Scenario	0.001002194	-0.565349738	0.020819138	-11.74432453	81.56733831	56.88463202	3.059	8.80992	8.810922194

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

sorter	present_value_project_costs	benefit_cost_ratio_scaled	benefit_cost_ratio_unscaled	backcasted_total_mitigation_benefit	backcasted_present_value_project_costs	backcasted_benefit_cost_ratio	unit_cost_percentage_difference	bcr_percentage_difference
Proj00001-3UG-ALT1Hybrid Discount Rate Scenario	4.175564131	3.382626698	2.172198699					
Proj00001-3UG-ALT1Societal Discount Rate Scenario	4.269708556	5.374957738	3.327677349					
Proj00001-3UG-ALT1WACC Discount Rate Scenario	4.175564131	3.120917891	1.925619367					
Proj00001-3UG-PASHybrid Discount Rate Scenario	15.45556846	-17.87607651	-12.19569106					
Proj00001-3UG-PASSocietal Discount Rate Scenario	15.47207157	-8.628000488	-5.833829331					
Proj00001-3UG-PASWACC Discount Rate Scenario	15.45556846	-15.64126101	-10.57618225					
Proj00001-3UG-UGASHybrid Discount Rate Scenario	15.45556846	-17.87607651	-12.19569106	132.9105814	15.45556846	-17.87607651		
Proj00001-3UG-UGASSocietal Discount Rate Scenario	15.47207157	-8.628000488	-5.833829331	188.2182487	15.47207157	-8.628000488		
Proj00001-3UG-UGASWACC Discount Rate Scenario	15.45556846	-15.64126101	-10.57618225	116.2944841	15.45556846	-15.64126101		
Proj00002-3UG-ALT1Hybrid Discount Rate Scenario	3.367204652	8.858891932	8.468899222					
Proj00002-3UG-ALT1Societal Discount Rate Scenario	3.446532914	12.07404556	11.47589278					
Proj00002-3UG-ALT1WACC Discount Rate Scenario	3.367204652	7.716106394	7.33134845					
Proj00002-3UG-PASHybrid Discount Rate Scenario	10.89085868	10.02249475	9.467479009					
Proj00002-3UG-PASSocietal Discount Rate Scenario	10.90411596	43.23257393	40.52304894					
Proj00002-3UG-PASWACC Discount Rate Scenario	10.89085868	8.631804238	8.084943048					
Proj00002-3UG-UGASHybrid Discount Rate Scenario	10.89085868	10.02249475	9.467479009	53.03112106	10.89085868	10.02249475		
Proj00002-3UG-UGASSocietal Discount Rate Scenario	10.90411596	43.23257393	40.52304894	77.07430896	10.90411596	43.23257393		
Proj00002-3UG-UGASWACC Discount Rate Scenario	10.89085868	8.631804238	8.084943048	45.672686	10.89085868	8.631804238		
Proj00003-3UG-ALT1Hybrid Discount Rate Scenario	10.94014009	4.476031543	3.962043717					
Proj00003-3UG-ALT1Societal Discount Rate Scenario	11.19788003	6.242564066	5.460985416					
Proj00003-3UG-ALT1WACC Discount Rate Scenario	10.94014009	3.922717172	3.415474088					
Proj00003-3UG-PASHybrid Discount Rate Scenario	48.99728187	8.123494488	6.430676908					
Proj00003-3UG-PASSocietal Discount Rate Scenario	49.04965544	53.38180705	42.04093713					
Proj00003-3UG-PASWACC Discount Rate Scenario	48.99728187	7.017135363	5.48870456					
Proj00003-3UG-UGASHybrid Discount Rate Scenario	48.99728187	8.123494488	6.430676908	177.5998674	48.99728187	8.123494488		
Proj00003-3UG-UGASSocietal Discount Rate Scenario	49.04965544	53.38180705	42.04093713	258.8745883	49.04965544	53.38180705		
Proj00003-3UG-UGASWACC Discount Rate Scenario	48.99728187	7.017135363	5.48870456	153.4120952	48.99728187	7.017135363		
Proj00004-3UG-ALT1Hybrid Discount Rate Scenario	0.382141798	4.753384682	2.226167112					
Proj00004-3UG-ALT1Societal Discount Rate Scenario	0.395414568	6.798240133	3.020129346					
Proj00004-3UG-ALT1WACC Discount Rate Scenario	0.382141798	4.505811197	2.011223234					
Proj00004-3UG-PASHybrid Discount Rate Scenario	1.64702961	6.465067129	2.868165933					
Proj00004-3UG-PASSocietal Discount Rate Scenario	1.649211831	141.7810266	59.36124038					
Proj00004-3UG-PASWACC Discount Rate Scenario	1.64702961	6.120390026	2.577288994					
Proj00004-3UG-UGASHybrid Discount Rate Scenario	1.64702961	6.465067129	2.868165933	4.288551256	1.64702961	6.465067129		
Proj00004-3UG-UGASSocietal Discount Rate Scenario	1.649211831	141.7810266	59.36124038	6.645552173	1.649211831	141.7810266		
Proj00004-3UG-UGASWACC Discount Rate Scenario	1.64702961	6.120390026	2.577288994	4.059912421	1.64702961	6.120390026		
Proj00005-3UG-ALT1Hybrid Discount Rate Scenario	8.467876249	0.566852243	0.228795945					
Proj00005-3UG-ALT1Societal Discount Rate Scenario	8.642892375	0.835588878	0.320907449					
Proj00005-3UG-ALT1WACC Discount Rate Scenario	8.467876249	0.541663251	0.20801896					
Proj00005-3UG-PASHybrid Discount Rate Scenario	22.61234423	-7.067477065	-3.545642282					
Proj00005-3UG-PASSocietal Discount Rate Scenario	22.64230444	-1.545734432	-0.743194947					
Proj00005-3UG-PASWACC Discount Rate Scenario	22.61234423	-6.488484923	-3.125731318					
Proj00005-3UG-UGASHybrid Discount Rate Scenario	22.61234423	-7.067477065	-3.545642282	18.95904526	22.61234423	-7.067477065		
Proj00005-3UG-UGASSocietal Discount Rate Scenario	22.64230444	-1.545734432	-0.743194947	28.69019489	22.64230444	-1.545734432		
Proj00005-3UG-UGASWACC Discount Rate Scenario	22.61234423	-6.488484923	-3.125731318	17.40585477	22.61234423	-6.488484923		
Proj00006-3UG-ALT1Hybrid Discount Rate Scenario	1.858565701	7.680943113	6.395957176					
Proj00006-3UG-ALT1Societal Discount Rate Scenario	1.896532118	10.63475459	8.671257895					
Proj00006-3UG-ALT1WACC Discount Rate Scenario	1.858565701	6.853172231	5.585093876					
Proj00006-3UG-PASHybrid Discount Rate Scenario	3.744576081	14.7728216	11.59450806					
Proj00006-3UG-PASSocietal Discount Rate Scenario	3.763881123	34.38238693	26.5848009					
Proj00006-3UG-PASWACC Discount Rate Scenario	3.744576081	13.36882918	10.36024046					
Proj00006-3UG-UGASHybrid Discount Rate Scenario	2.467260175	14.45857348	11.08692372	19.63197458	2.467260175	14.45857348		
Proj00006-3UG-UGASSocietal Discount Rate Scenario	2.469897034	43.03852706	32.50820069	28.52156761	2.469897034	43.03852706		
Proj00006-3UG-UGASWACC Discount Rate Scenario	2.467260175	12.65421061	9.550658816	17.18199526	2.467260175	12.65421061		
Proj00007-3UG-ALT1Hybrid Discount Rate Scenario	10.72724679	2.671073457	0.814057381					
Proj00007-3UG-ALT1Societal Discount Rate Scenario	10.98004811	4.119801477	1.19982261					
Proj00007-3UG-ALT1WACC Discount Rate Scenario	10.72724679	2.584471768	0.753861163					
Proj00007-3UG-PASHybrid Discount Rate Scenario	13.75806565	2.84860771	0.922546542					
Proj00007-3UG-PASSocietal Discount Rate Scenario	13.97992573	4.775209803	1.473319233					
Proj00007-3UG-PASWACC Discount Rate Scenario	13.75806565	2.73777597	0.845953989					
Proj00007-3UG-UGASHybrid Discount Rate Scenario	4.550184704	3.351936617	1.231434111	10.79478867	4.550184704	3.351936617		
Proj00007-3UG-UGASSocietal Discount Rate Scenario	4.555049265	7.34924869	2.548903027	17.55772758	4.555049265	7.34924869		
Proj00007-3UG-UGASWACC Discount Rate Scenario	4.550184704	3.171965373	1.108057805	10.21519789	4.550184704	3.171965373		
Proj00008-3UG-ALT1Hybrid Discount Rate Scenario	24.58313605	2.664742185	0.901825496					
Proj00008-3UG-ALT1Societal Discount Rate Scenario	25.15942408	3.872619719	1.263553364					
Proj00008-3UG-ALT1WACC Discount Rate Scenario	24.58313605	2.576447328	0.834454683					
Proj00008-3UG-PASHybrid Discount Rate Scenario	76.50668191	1.949770233	0.869253668					
Proj00008-3UG-PASSocietal Discount Rate Scenario	76.88034416	2.965101082	1.270430411					
Proj00008-3UG-PASWACC Discount Rate Scenario	76.50668191	1.826962987	0.781289477					
Proj00008-3UG-UGASHybrid Discount Rate Scenario	63.40086652	1.735785556	0.831060777	103.2671201	63.40086652	1.735785556		
Proj00008-3UG-UGASSocietal Discount Rate Scenario	63.46863619	2.687591429	1.235927583	153.4697903	63.46863619	2.687591429		
Proj00008-3UG-UGASWACC Discount Rate Scenario	63.40086652	1.605803325	0.738847794	95.53408497	63.40086652	1.605803325		
Proj00009-3UG-ALT1Hybrid Discount Rate Scenario	9.175263785	3.442275415	2.606660397					
Proj00009-3UG-ALT1Societal Discount Rate Scenario	9.391024427	4.954617904	3.674427711					
Proj00009-3UG-ALT1WACC Discount Rate Scenario	9.175263785	3.084711143	2.259181255					
Proj00009-3UG-PASHybrid Discount Rate Scenario	37.48927309	5.040079878	3.613260511					
Proj00009-3UG-PASSocietal Discount Rate Scenario	37.54297941	40.39738881	28.4796358					

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

sorter	present_value_project_costs	benefit_cost_ratio_scaled	benefit_cost_ratio_unscaled	backcasted_total_mitigation_benefit	backcasted_present_value_project_costs	backcasted_benefit_cost_ratio	unit_cost_percentage_difference	bcr_percentage_difference
Proj00009-3UG-PASWACC Discount Rate Scenario	37.48927309	4.44797905	3.095373308					
Proj00009-3UG-UGASHybrid Discount Rate Scenario	36.96062319	4.965603674	3.555399496	79.49555797	36.96062319	4.965603674		
Proj00009-3UG-UGASSocietal Discount Rate Scenario	37.00013066	41.4535946	29.18740872	119.0624817	37.00013066	41.4535946		
Proj00009-3UG-UGASWACC Discount Rate Scenario	36.96062319	4.37569315	3.040682773	70.0515368	36.96062319	4.37569315		
Proj00010-3UG-ALT1Hybrid Discount Rate Scenario	10.85565161	4.497408194	3.984318451					
Proj00010-3UG-ALT1Societal Discount Rate Scenario	11.09703187	6.494996502	5.705193886					
Proj00010-3UG-ALT1WACC Discount Rate Scenario	10.85565161	3.879285665	3.37310993					
Proj00010-3UG-PASHybrid Discount Rate Scenario	34.82266779	3.344732182	2.915105128					
Proj00010-3UG-PASSocietal Discount Rate Scenario	34.89407119	6.27528382	5.419273426					
Proj00010-3UG-PASWACC Discount Rate Scenario	34.82266779	2.845986101	2.422706995					
Proj00010-3UG-UGASHybrid Discount Rate Scenario	33.30283999	3.260575045	2.837713987	83.97096633	33.30283999	3.260575045		
Proj00010-3UG-UGASSocietal Discount Rate Scenario	33.33843762	6.230344601	5.372928645	131.0933315	33.33843762	6.230344601		
Proj00010-3UG-UGASWACC Discount Rate Scenario	33.30283999	2.771091154	2.354519836	71.36508094	33.30283999	2.771091154		
Proj00011-3UG-ALT1Hybrid Discount Rate Scenario	7.268049995	6.434502514	6.039209196					
Proj00011-3UG-ALT1Societal Discount Rate Scenario	7.41652051	8.851599427	8.246834879					
Proj00011-3UG-ALT1WACC Discount Rate Scenario	7.268049995	5.612228418	5.222155814					
Proj00011-3UG-PASHybrid Discount Rate Scenario	25.4725293	24.17115033	19.44047563					
Proj00011-3UG-PASSocietal Discount Rate Scenario	25.49876173	-51.289457	-41.12861362					
Proj00011-3UG-PASWACC Discount Rate Scenario	25.4725293	20.80776012	16.62572047					
Proj00011-3UG-UGASHybrid Discount Rate Scenario	25.4725293	24.17115033	19.44047563	167.4656272	25.4725293	24.17115033		
Proj00011-3UG-UGASSocietal Discount Rate Scenario	25.49976173	-51.289457	-41.12861362	241.4247643	25.49976173	-51.289457		
Proj00011-3UG-UGASWACC Discount Rate Scenario	25.4725293	20.80776012	16.62572047	144.1629609	25.4725293	20.80776012		
Proj00012-3UG-ALT1Hybrid Discount Rate Scenario	7.328491235	2.840235347	2.132471067					
Proj00012-3UG-ALT1Societal Discount Rate Scenario	7.478196474	4.00236638	2.910045733					
Proj00012-3UG-ALT1WACC Discount Rate Scenario	7.328491235	2.566069227	1.867852508					
Proj00012-3UG-PASHybrid Discount Rate Scenario	25.17353863	4.940324909	3.442287502					
Proj00012-3UG-PASSocietal Discount Rate Scenario	25.23994113	11.21591364	7.671045311					
Proj00012-3UG-PASWACC Discount Rate Scenario	25.17353863	4.335114609	2.967681112					
Proj00012-3UG-UGASHybrid Discount Rate Scenario	23.13364932	5.247172025	3.633666671	73.25675436	23.13364932	5.247172025		
Proj00012-3UG-UGASSocietal Discount Rate Scenario	23.15838128	13.0432189	8.877081574	107.1794334	23.15838128	13.0432189		
Proj00012-3UG-UGASWACC Discount Rate Scenario	23.13364932	4.593592382	3.128378656	64.13200618	23.13364932	4.593592382		
Proj00013-3UG-ALT1Hybrid Discount Rate Scenario	13.55610107	4.058017802	3.681925037					
Proj00013-3UG-ALT1Societal Discount Rate Scenario	13.79439469	5.812998246	5.241597421					
Proj00013-3UG-ALT1WACC Discount Rate Scenario	13.55610107	3.499963845	3.128721853					
Proj00013-3UG-PASHybrid Discount Rate Scenario	43.48758481	3.945705109	3.504633674					
Proj00013-3UG-PASSocietal Discount Rate Scenario	43.53576618	9.244694842	8.155285486					
Proj00013-3UG-PASWACC Discount Rate Scenario	43.48758481	3.356233709	2.921416947					
Proj00013-3UG-UGASHybrid Discount Rate Scenario	43.47247051	3.945287326	3.504214016	110.7406806	43.47247051	3.945287326		
Proj00013-3UG-UGASSocietal Discount Rate Scenario	43.52034321	9.246784403	8.157018444	170.4147453	43.52034321	9.246784403		
Proj00013-3UG-UGASWACC Discount Rate Scenario	43.47247051	3.355848146	2.921029838	94.19565087	43.47247051	3.355848146		
Proj00014-3UG-ALT1Hybrid Discount Rate Scenario	1.650847638	4.914828179	3.358366622					
Proj00014-3UG-ALT1Societal Discount Rate Scenario	1.689740216	6.949383384	4.565633097					
Proj00014-3UG-ALT1WACC Discount Rate Scenario	1.650847638	4.495993814	2.960296503					
Proj00014-3UG-PASHybrid Discount Rate Scenario	5.359077724	12.44878523	8.214946208					
Proj00014-3UG-PASSocietal Discount Rate Scenario	5.364806096	-22.42018532	-14.1297324					
Proj00014-3UG-PASWACC Discount Rate Scenario	5.359077724	11.34175566	7.170180212					
Proj00014-3UG-UGASHybrid Discount Rate Scenario	5.359077724	12.44878523	8.214946208	16.95373567	5.359077724	12.44878523		
Proj00014-3UG-UGASSocietal Discount Rate Scenario	5.364806096	-22.42018532	-14.1297324	25.6997506	5.364806096	-22.42018532		
Proj00014-3UG-UGASWACC Discount Rate Scenario	5.359077724	11.34175566	7.170180212	15.44609565	5.359077724	11.34175566		
Proj00015-3UG-ALT1Hybrid Discount Rate Scenario	34.62393313	3.238255256	1.617636728					
Proj00015-3UG-ALT1Societal Discount Rate Scenario	35.32831938	4.727954721	2.264260668					
Proj00015-3UG-ALT1WACC Discount Rate Scenario	34.62393313	3.048961061	1.448697014					
Proj00015-3UG-PASHybrid Discount Rate Scenario	106.6875045	3.236228033	1.674702135					
Proj00015-3UG-PASSocietal Discount Rate Scenario	106.9113687	5.799870886	2.877795822					
Proj00015-3UG-PASWACC Discount Rate Scenario	106.6875045	2.99016474	1.476829571					
Proj00015-3UG-UGASHybrid Discount Rate Scenario	100.8544398	3.139815258	1.630040303	252.8178234	100.8544398	3.139815258		
Proj00015-3UG-UGASSocietal Discount Rate Scenario	100.9622439	5.721062305	2.844957241	388.1122239	100.9622439	5.721062305		
Proj00015-3UG-UGASWACC Discount Rate Scenario	100.8544398	2.891367656	1.431199971	232.8128305	100.8544398	2.891367656		
Proj00016-3UG-ALT1Hybrid Discount Rate Scenario	33.67204768	2.53190647	0.732933216					
Proj00016-3UG-ALT1Societal Discount Rate Scenario	34.46533095	3.856241393	1.072880522					
Proj00016-3UG-ALT1WACC Discount Rate Scenario	33.67204768	2.457686381	0.683387001					
Proj00016-3UG-PASHybrid Discount Rate Scenario	39.75066223	2.366819171	0.68407593					
Proj00016-3UG-PASSocietal Discount Rate Scenario	40.51036388	3.719149708	1.032768142					
Proj00016-3UG-PASWACC Discount Rate Scenario	39.75066223	2.296909581	0.6374984					
Proj00016-3UG-UGASHybrid Discount Rate Scenario	7.912889524	1.561964811	0.445905431	10.24882637	7.912889524	1.561964811		
Proj00016-3UG-UGASSocietal Discount Rate Scenario	7.922521772	2.929688049	0.801898921	16.76139527	7.922521772	2.929688049		
Proj00016-3UG-UGASWACC Discount Rate Scenario	7.912889524	1.513082525	0.413813108	9.928085428	7.912889524	1.513082525		
Proj00017-3UG-ALT1Hybrid Discount Rate Scenario	10.99118248	10.68838974	10.13589198					
Proj00017-3UG-ALT1Societal Discount Rate Scenario	11.21496853	15.0808324	14.23487011					
Proj00017-3UG-ALT1WACC Discount Rate Scenario	10.99118248	9.188187775	8.642994732					
Proj00017-3UG-PASHybrid Discount Rate Scenario	22.43202956	10.73408414	9.932491052					
Proj00017-3UG-PASSocietal Discount Rate Scenario	22.5823784	21.23188993	19.57230343					
Proj00017-3UG-PASWACC Discount Rate Scenario	22.43202956	9.145698244	8.386345247					
Proj00017-3UG-UGASHybrid Discount Rate Scenario	15.90438389	10.74135047	9.766230383	99.91190995	15.90438389	10.74135047		
Proj00017-3UG-UGASSocietal Discount Rate Scenario	15.92138711	29.09990497	26.39478597	150.3318957	15.92138711	29.09990497		
Proj00017-3UG-UGASWACC Discount Rate Scenario	15.90438389	9.094560259	8.186180101	84.59410089	15.90438389	9.094560259		
Proj00018-3UG-ALT1Hybrid Discount Rate Scenario	3.084341959	3.590245101	3.148830584					
Proj00018-3UG-ALT1Societal Discount Rate Scenario	3.156879488	4.965273364	4.282906459					
Proj00018-3UG-ALT1WACC Discount Rate Scenario	3.084341959	3.183153513	2.747608217					
Proj00018-3UG-PASHybrid Discount Rate Scenario	10.49864663	13.66943273	10.13075127					
Proj00018-3UG-PASSocietal Discount Rate Scenario	10.50983056	76.92959715	56.65904264					
Proj00018-3UG-PASWACC Discount Rate Scenario	10.49864663	11.85560146	8.732568008					

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

sorter	present_value_project_costs	benefit_cost_ratio_scaled	benefit_cost_ratio_unscaled	backcasted_total_mitigation_benefit	backcasted_present_value_project_costs	backcasted_benefit_cost_ratio	unit_cost_percentage_difference	bcr_percentage_difference
Proj00018-3UG-UGASHybrid Discount Rate Scenario	10.49864663	13.66943273	10.13075127	65.49198666	10.49864663	13.66943273		
Proj00018-3UG-UGASSocietal Discount Rate Scenario	10.50983056	76.92959715	56.65904264	93.29913782	10.50983056	76.92959715		
Proj00018-3UG-UGASWACC Discount Rate Scenario	10.49864663	11.85560146	8.732568008	56.8016909	10.49864663	11.85560146		
Proj00019-3UG-ALT1Hybrid Discount Rate Scenario	13.08763604	4.841428139	4.108265371					
Proj00019-3UG-ALT1Societal Discount Rate Scenario	13.35093204	6.9422777	5.820383284					
Proj00019-3UG-ALT1WACC Discount Rate Scenario	13.08763604	4.232320352	3.508830497					
Proj00019-3UG-PASHybrid Discount Rate Scenario	58.31708172	3.84210948	3.13831398					
Proj00019-3UG-PASSocietal Discount Rate Scenario	58.36809139	9.207199205	7.448032431					
Proj00019-3UG-PASWACC Discount Rate Scenario	58.31708172	3.313175051	2.638083694					
Proj00019-3UG-UGASHybrid Discount Rate Scenario	58.31708172	3.84210948	3.13831398	141.8464688	58.31708172	3.84210948		
Proj00019-3UG-UGASSocietal Discount Rate Scenario	58.36809139	9.207199205	7.448032431	216.482914	58.36809139	9.207199205		
Proj00019-3UG-UGASWACC Discount Rate Scenario	58.31708172	3.313175051	2.638083694	122.3187897	58.31708172	3.313175051		
Proj00020-3UG-ALT1Hybrid Discount Rate Scenario	7.342840875	1.198877226	0.701891985					
Proj00020-3UG-ALT1Societal Discount Rate Scenario	7.494089558	1.731940196	0.976563617					
Proj00020-3UG-ALT1WACC Discount Rate Scenario	7.342840875	1.109751147	0.619218359					
Proj00020-3UG-PASHybrid Discount Rate Scenario	23.3462748	5.016266703	2.617006976					
Proj00020-3UG-PASSocietal Discount Rate Scenario	23.37123409	-3.748168292	-1.872813008					
Proj00020-3UG-PASWACC Discount Rate Scenario	23.3462748	4.66010282	2.295231643					
Proj00020-3UG-UGASHybrid Discount Rate Scenario	23.3462748	5.016266703	2.617006976	19.78988217	23.3462748	5.016266703		
Proj00020-3UG-UGASSocietal Discount Rate Scenario	23.37123409	-3.748168292	-1.872813008	30.85302874	23.37123409	-3.748168292		
Proj00020-3UG-UGASWACC Discount Rate Scenario	23.3462748	4.66010282	2.295231643	18.38476524	23.3462748	4.66010282		
Proj00021-3UG-ALT1Hybrid Discount Rate Scenario	26.56748589	2.531429606	0.785915346					
Proj00021-3UG-ALT1Societal Discount Rate Scenario	27.1845183	3.803103541	1.13300685					
Proj00021-3UG-ALT1WACC Discount Rate Scenario	26.56748589	2.452636602	0.729923584					
Proj00021-3UG-PASHybrid Discount Rate Scenario	80.37068228	2.968716735	0.960007056					
Proj00021-3UG-PASSocietal Discount Rate Scenario	80.47706607	7.158587374	2.208205472					
Proj00021-3UG-PASWACC Discount Rate Scenario	80.37068228	2.853449374	0.879913977					
Proj00021-3UG-UGASHybrid Discount Rate Scenario	80.37068228	2.968716735	0.960007056	155.3729858	80.37068228	2.968716735		
Proj00021-3UG-UGASSocietal Discount Rate Scenario	80.47706607	7.158587374	2.208205472	249.2066867	80.47706607	7.158587374		
Proj00021-3UG-UGASWACC Discount Rate Scenario	80.37068228	2.853449374	0.879913977	149.3402667	80.37068228	2.853449374		
Proj00022-3UG-ALT1Hybrid Discount Rate Scenario	2.754666352	3.246511296	0.939780907					
Proj00022-3UG-ALT1Societal Discount Rate Scenario	2.829055955	4.833470555	1.346770812					
Proj00022-3UG-ALT1WACC Discount Rate Scenario	2.754666352	3.155831581	0.879185615					
Proj00022-3UG-PASHybrid Discount Rate Scenario	3.423236506	3.272274907	0.942271296					
Proj00022-3UG-PASSocietal Discount Rate Scenario	3.490256302	5.252846999	1.45502193					
Proj00022-3UG-PASWACC Discount Rate Scenario	3.423236506	3.179858186	0.880899402					
Proj00022-3UG-UGASHybrid Discount Rate Scenario	0.988614377	3.362429152	0.95098588	2.339404136	0.988614377	3.362429152		
Proj00022-3UG-UGASSocietal Discount Rate Scenario	0.989887346	7.297553875	1.982809814	3.742436018	0.989887346	7.297553875		
Proj00022-3UG-UGASWACC Discount Rate Scenario	0.988614377	3.263934153	0.886896432	2.270876415	0.988614377	3.263934153		
Proj00023-3UG-ALT1Hybrid Discount Rate Scenario	37.33752948	4.089940288	2.614017112					
Proj00023-3UG-ALT1Societal Discount Rate Scenario	38.10025448	5.942596943	3.68634414					
Proj00023-3UG-ALT1WACC Discount Rate Scenario	37.33752948	3.733923117	2.277455876					
Proj00023-3UG-PASHybrid Discount Rate Scenario	142.2560713	4.247515763	2.558160805					
Proj00023-3UG-PASSocietal Discount Rate Scenario	142.4140917	12.69332353	7.403301926					
Proj00023-3UG-PASWACC Discount Rate Scenario	142.2560713	3.862480763	2.203173798					
Proj00023-3UG-UGASHybrid Discount Rate Scenario	142.0338028	4.243879868	2.555404262	341.2998486	142.0338028	4.243879868		
Proj00023-3UG-UGASSocietal Discount Rate Scenario	142.1856498	12.7188141	7.416543534	531.9633282	142.1856498	12.7188141		
Proj00023-3UG-UGASWACC Discount Rate Scenario	142.0338028	3.859119072	2.200701366	310.3567481	142.0338028	3.859119072		
Proj00024-3UG-ALT1Hybrid Discount Rate Scenario	1.506261692	1.015505736	0.46835296					
Proj00024-3UG-ALT1Societal Discount Rate Scenario	1.541450153	1.519998036	0.663261769					
Proj00024-3UG-ALT1WACC Discount Rate Scenario	1.506261692	0.958766664	0.419306776					
Proj00024-3UG-PASHybrid Discount Rate Scenario	4.361234595	-46.48385471	-24.78496163					
Proj00024-3UG-PASSocietal Discount Rate Scenario	4.366826566	-3.14881127	-1.606097819					
Proj00024-3UG-PASWACC Discount Rate Scenario	4.361234595	-42.14206202	-21.5837514					
Proj00024-3UG-UGASHybrid Discount Rate Scenario	4.361234595	-46.48385471	-24.78496163	6.002537825	4.361234595	-46.48385471		
Proj00024-3UG-UGASSocietal Discount Rate Scenario	4.366826566	-3.14881127	-1.606097819	9.281381625	4.366826566	-3.14881127		
Proj00024-3UG-UGASWACC Discount Rate Scenario	4.361234595	-42.14206202	-21.5837514	5.441874881	4.361234595	-42.14206202		
Proj00025-3UG-ALT1Hybrid Discount Rate Scenario	6.019786995	2.117774584	0.834035508					
Proj00025-3UG-ALT1Societal Discount Rate Scenario	6.107449521	3.135031871	1.179038927					
Proj00025-3UG-ALT1WACC Discount Rate Scenario	6.019786995	2.02615663	0.758960456					
Proj00025-3UG-PASHybrid Discount Rate Scenario	18.60844454	2.743255877	0.989363489					
Proj00025-3UG-PASSocietal Discount Rate Scenario	18.62472036	11.61573041	3.990037808					
Proj00025-3UG-PASWACC Discount Rate Scenario	18.60844454	2.62886083	0.899774882					
Proj00025-3UG-UGASHybrid Discount Rate Scenario	18.60844454	2.743255877	0.989363489	25.51805723	18.60844454	2.743255877		
Proj00025-3UG-UGASSocietal Discount Rate Scenario	18.62472036	11.61573041	3.990037808	40.25453014	18.62472036	11.61573041		
Proj00025-3UG-UGASWACC Discount Rate Scenario	18.60844454	2.62886083	0.899774882	24.45394237	18.60844454	2.62886083		
Proj00026-3UG-ALT1Hybrid Discount Rate Scenario	5.122388587	0.824010015	0.311079008					
Proj00026-3UG-ALT1Societal Discount Rate Scenario	5.227027845	1.222862583	0.439957597					
Proj00026-3UG-ALT1WACC Discount Rate Scenario	5.122388587	0.790173233	0.283976547					
Proj00026-3UG-PASHybrid Discount Rate Scenario	14.04265853	21.84605955	7.465593837					
Proj00026-3UG-PASSocietal Discount Rate Scenario	14.0576159	-2.061841873	-0.67128692					
Proj00026-3UG-PASWACC Discount Rate Scenario	14.04265853	21.01798771	6.838873652					
Proj00026-3UG-UGASHybrid Discount Rate Scenario	14.04265853	21.84605955	7.465593837	10.50410761	14.04265853	21.84605955		
Proj00026-3UG-UGASSocietal Discount Rate Scenario	14.0576159	-2.061841873	-0.67128692	16.56362635	14.0576159	-2.061841873		
Proj00026-3UG-UGASWACC Discount Rate Scenario	14.04265853	21.01798771	6.838873652	10.10595088	14.04265853	21.01798771		
Proj00027-3UG-ALT1Hybrid Discount Rate Scenario	1.126530871	24.21774646	15.7382112					
Proj00027-3UG-ALT1Societal Discount Rate Scenario	1.167275314	34.37367689	21.48979494					
Proj00027-3UG-ALT1WACC Discount Rate Scenario	1.126530871	22.18301033	13.81771148					
Proj00027-3UG-PASHybrid Discount Rate Scenario	4.49501834	1871.124768	1246.210759					
Proj00027-3UG-PASSocietal Discount Rate Scenario	4.500974004	-65.17261522	-42.42914282					
Proj00027-3UG-PASWACC Discount Rate Scenario	4.49501834	1653.137739	1074.756079					
Proj00027-3UG-UGASHybrid Discount Rate Scenario	4.49501834	1871.124768	1246.210759	119.5819231	4.49501834	1871.124768		
Proj00027-3UG-UGASSocietal Discount Rate Scenario	4.500974004	-65.17261522	-42.42914282	177.0681816	4.500974004	-65.17261522		
Proj00027-3UG-UGASWACC Discount Rate Scenario	4.49501834	1653.137739	1074.756079	105.6505656	4.49501834	1653.137739		
Proj00028-3UG-ALT1Hybrid Discount Rate Scenario	4.835293212	3.131285157	2.591305095					
Proj00028-3UG-ALT1Societal Discount Rate Scenario	4.934067818	4.332716201	3.501776028					
Proj00028-3UG-ALT1WACC Discount Rate Scenario	4.835293212	2.798120695	2.265397435					
Proj00028-3UG-PASHybrid Discount Rate Scenario	13.07829214	69.4362038	49.11012598					
Proj00028-3UG-PASSocietal Discount Rate Scenario	13.10836241	-23.49121603	-16.43632966					
Proj00028-3UG-PASWACC Discount Rate Scenario	13.07829214	60.32400827	42.25790468					
Proj00028-3UG-UGASHybrid Discount Rate Scenario	12.24722611	167.861127	118.1620237	93.96306239	12.24722611	167.861127		
Proj00028-3UG-UGASSocietal Discount Rate Scenario	12.26031951	-20.00717093	-13.93949481	135.598954	12.26031951	-20.00717093		
Proj00028-3UG-UGASWACC Discount Rate Scenario	12.24722611	145.7166783	101.6220438	81.56733831	12.24722611	145.7166783		

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

sorter	risk_model	reporting_date	calculated_date
Proj00001-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00001-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00001-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00001-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00001-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00001-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00001-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00001-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00001-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00002-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00002-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00002-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00002-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00002-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00002-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00002-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00002-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00002-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00003-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00003-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00003-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00003-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00003-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00003-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00003-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00003-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00003-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00004-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00004-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00004-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00004-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00004-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00004-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00004-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00004-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00004-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00005-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00005-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00005-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00005-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00005-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00005-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00005-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00005-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00005-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00006-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00006-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00006-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00006-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00006-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00006-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00006-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00006-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00006-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00007-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00007-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00007-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00007-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00007-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00007-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00007-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00007-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00007-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00008-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00008-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00008-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00008-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00008-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00008-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00008-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00008-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00008-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00009-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00009-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00009-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00009-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00009-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026

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

sorter	risk_model	reporting_date	calculated_date
Proj00009-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00009-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00009-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00009-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00010-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00010-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00010-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00010-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00010-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00010-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00010-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00010-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00010-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00011-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00011-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00011-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00011-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00011-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00011-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00011-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00011-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00011-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00012-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00012-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00012-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00012-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00012-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00012-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00012-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00012-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00012-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00013-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00013-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00013-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00013-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00013-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00013-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00013-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00013-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00013-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00014-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00014-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00014-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00014-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00014-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00014-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00014-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00014-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00014-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00015-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00015-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00015-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00015-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00015-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00015-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00015-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00015-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00015-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00016-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00016-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00016-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00016-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00016-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00016-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00016-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00016-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00016-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00017-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00017-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00017-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00017-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00017-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00017-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00017-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00017-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00017-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00018-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00018-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00018-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00018-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00018-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00018-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026

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

sorter	risk_model	reporting_date	calculated_date
Proj00018-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00018-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00018-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00019-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00019-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00019-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00019-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00019-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00019-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00019-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00019-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00019-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00020-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00020-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00020-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00020-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00020-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00020-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00020-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00020-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00020-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00021-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00021-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00021-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00021-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00021-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00021-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00021-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00021-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00021-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00022-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00022-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00022-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00022-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00022-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00022-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00022-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00022-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00022-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00023-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00023-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00023-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00023-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00023-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00023-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00023-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00023-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00023-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00024-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00024-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00024-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00024-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00024-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00024-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00024-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00024-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00024-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00025-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00025-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00025-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00025-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00025-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00025-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00025-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00025-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00025-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00026-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00026-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00026-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00026-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00026-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00026-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00026-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00026-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00026-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00027-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00027-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00027-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00027-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00027-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00027-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00027-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00027-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00027-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00028-3UG-ALT1Hybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00028-3UG-ALT1Societal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00028-3UG-ALT1WACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00028-3UG-PASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00028-3UG-PASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00028-3UG-PASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00028-3UG-UGASHybrid Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00028-3UG-UGASSocietal Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026
Proj00028-3UG-UGASWACC Discount Rate Scenario	WBCA v1c0	11/2/2026	10/30/2026

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

rru_id	oeis_subproject_id	oeis_project_id	mitigation_type_nbb	costs_type	used_and_useful_date	year_1	annual_costs_in_year_1	annual_costs_in_year_2	annual_costs_in_year_3	annual_costs_in_year_4
Proj00001-3UG-ALT1		Proj00001	Overhead Hardening	CapEx		2028	2.88739171	0		
Proj00001-3UG-ALT1		Proj00001	Overhead Hardening	Incremental_OM_Costs		2028	0.008392938	0.008584297	0.008780019	0.008980203
Proj00001-3UG-ALT1		Proj00001	Overhead Hardening	Incremental_OM_Savings		2028	-0.034134328	-0.034912591	-0.035708598	-0.036522754
Proj00001-3UG-PAS		Proj00001	Undergrounding	CapEx	9/28/2028	2028	10.41960636	0.698225967		
Proj00001-3UG-PAS		Proj00001	Undergrounding	Incremental_OM_Costs	9/28/2028	2028	0.001263181	0.001291981	0.001321438	0.001351567
Proj00001-3UG-PAS		Proj00001	Undergrounding	Incremental_OM_Savings	9/28/2028	2028	-1.115986679	-1.141431176	-1.167455806	-1.194073799
Proj00001-3UG-UGAS	Proj00001-3UG-UGAS	Proj00001	No-Build Baseline	OM_Costs_NBB	9/28/2028	2028	3.489191887	1.21649819	1.244234349	1.272602892
Proj00001-3UG-UGAS	Proj00001-3UG-UGAS	Proj00001	Undergrounding	CapEx	9/28/2028	2028	10.41960636	0.698225967		
Proj00001-3UG-UGAS	Proj00001-3UG-UGAS	Proj00001	Undergrounding	Incremental_OM_Costs	9/28/2028	2028	0.001263181	0.001291981	0.001321438	0.001351567
Proj00001-3UG-UGAS	Proj00001-3UG-UGAS	Proj00001	Undergrounding	Incremental_OM_Savings	9/28/2028	2028	-1.115986679	-1.141431176	-1.167455806	-1.194073799
Proj00002-3UG-ALT1		Proj00002	Overhead Hardening	CapEx		2028	2.32401759	0		
Proj00002-3UG-ALT1		Proj00002	Overhead Hardening	Incremental_OM_Costs		2028	0.007072083	0.007233326	0.007398246	0.007566926
Proj00002-3UG-ALT1		Proj00002	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00002-3UG-PAS		Proj00002	Undergrounding	CapEx	11/6/2028	2028	7.339968637	0.492412803		
Proj00002-3UG-PAS		Proj00002	Undergrounding	Incremental_OM_Costs	11/6/2028	2028	0.001014738	0.001037874	0.001061538	0.001085741
Proj00002-3UG-PAS		Proj00002	Undergrounding	Incremental_OM_Savings	11/6/2028	2028	-0.269423569	-0.275566426	-0.281849341	-0.288275506
Proj00002-3UG-UGAS	Proj00002-3UG-UGAS	Proj00002	No-Build Baseline	OM_Costs_NBB	11/6/2028	2028	1.580799453	0.551141851	0.563707885	0.576560425
Proj00002-3UG-UGAS	Proj00002-3UG-UGAS	Proj00002	Undergrounding	CapEx	11/6/2028	2028	7.339968637	0.492412803		
Proj00002-3UG-UGAS	Proj00002-3UG-UGAS	Proj00002	Undergrounding	Incremental_OM_Costs	11/6/2028	2028	0.001014738	0.001037874	0.001061538	0.001085741
Proj00002-3UG-UGAS	Proj00002-3UG-UGAS	Proj00002	Undergrounding	Incremental_OM_Savings	11/6/2028	2028	-0.269423569	-0.275566426	-0.281849341	-0.288275506
Proj00003-3UG-ALT1		Proj00003	Overhead Hardening	CapEx		2028	7.55079645	0		
Proj00003-3UG-ALT1		Proj00003	Overhead Hardening	Incremental_OM_Costs		2028	0.022977413	0.023501298	0.024037128	0.024585174
Proj00003-3UG-ALT1		Proj00003	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00003-3UG-PAS		Proj00003	Undergrounding	CapEx	10/2/2028	2028	33.02985887	2.215857614		
Proj00003-3UG-PAS		Proj00003	Undergrounding	Incremental_OM_Costs	10/2/2028	2028	0.004008776	0.004100176	0.00419366	0.004289276
Proj00003-3UG-PAS		Proj00003	Undergrounding	Incremental_OM_Savings	10/2/2028	2028	-1.339578272	-1.370120656	-1.401359407	-1.433310402
Proj00003-3UG-UGAS	Proj00003-3UG-UGAS	Proj00003	No-Build Baseline	OM_Costs_NBB	10/2/2028	2028	4.515029942	1.574154111	1.610044825	1.646753847
Proj00003-3UG-UGAS	Proj00003-3UG-UGAS	Proj00003	Undergrounding	CapEx	10/2/2028	2028	33.02985887	2.215857614		
Proj00003-3UG-UGAS	Proj00003-3UG-UGAS	Proj00003	Undergrounding	Incremental_OM_Costs	10/2/2028	2028	0.004008776	0.004100176	0.00419366	0.004289276
Proj00003-3UG-UGAS	Proj00003-3UG-UGAS	Proj00003	Undergrounding	Incremental_OM_Savings	10/2/2028	2028	-1.339578272	-1.370120656	-1.401359407	-1.433310402
Proj00004-3UG-ALT1		Proj00004	Overhead Hardening	CapEx		2028	0.25824639	0		
Proj00004-3UG-ALT1		Proj00004	Overhead Hardening	Incremental_OM_Costs		2028	0.001183262	0.001210241	0.001237834	0.001266057
Proj00004-3UG-ALT1		Proj00004	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00004-3UG-PAS		Proj00004	Undergrounding	CapEx	10/9/2028	2028	1.109836476	0.074455044		
Proj00004-3UG-PAS		Proj00004	Undergrounding	Incremental_OM_Costs	10/9/2028	2028	0.000167032	0.00017084	0.000174735	0.000178719
Proj00004-3UG-PAS		Proj00004	Undergrounding	Incremental_OM_Savings	10/9/2028	2028	-0.048039455	-0.049134755	-0.050255027	-0.051400842
Proj00004-3UG-UGAS	Proj00004-3UG-UGAS	Proj00004	No-Build Baseline	OM_Costs_NBB	10/9/2028	2028	0.159304079	0.055540976	0.056807311	0.058102517
Proj00004-3UG-UGAS	Proj00004-3UG-UGAS	Proj00004	Undergrounding	CapEx	10/9/2028	2028	1.109836476	0.074455044		
Proj00004-3UG-UGAS	Proj00004-3UG-UGAS	Proj00004	Undergrounding	Incremental_OM_Costs	10/9/2028	2028	0.000167032	0.00017084	0.000174735	0.000178719
Proj00004-3UG-UGAS	Proj00004-3UG-UGAS	Proj00004	Undergrounding	Incremental_OM_Savings	10/9/2028	2028	-0.048039455	-0.049134755	-0.050255027	-0.051400842
Proj00005-3UG-ALT1		Proj00005	Overhead Hardening	CapEx		2028	5.87601945	0		
Proj00005-3UG-ALT1		Proj00005	Overhead Hardening	Incremental_OM_Costs		2028	0.015602618	0.015958358	0.016322208	0.016694354
Proj00005-3UG-ALT1		Proj00005	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00005-3UG-PAS		Proj00005	Undergrounding	CapEx	10/30/2028	2028	15.23712995	1.022205712		
Proj00005-3UG-PAS		Proj00005	Undergrounding	Incremental_OM_Costs	10/30/2028	2028	0.002293214	0.002345499	0.002398976	0.002453673
Proj00005-3UG-PAS		Proj00005	Undergrounding	Incremental_OM_Savings	10/30/2028	2028	-1.227385609	-1.255370001	-1.283992437	-1.313267464
Proj00005-3UG-UGAS	Proj00005-3UG-UGAS	Proj00005	No-Build Baseline	OM_Costs_NBB	10/30/2028	2028	3.777297628	1.31694555	1.346971909	1.377682868
Proj00005-3UG-UGAS	Proj00005-3UG-UGAS	Proj00005	Undergrounding	CapEx	10/30/2028	2028	15.23712995	1.022205712		
Proj00005-3UG-UGAS	Proj00005-3UG-UGAS	Proj00005	Undergrounding	Incremental_OM_Costs	10/30/2028	2028	0.002293214	0.002345499	0.002398976	0.002453673
Proj00005-3UG-UGAS	Proj00005-3UG-UGAS	Proj00005	Undergrounding	Incremental_OM_Savings	10/30/2028	2028	-1.227385609	-1.255370001	-1.283992437	-1.313267464
Proj00006-3UG-ALT1		Proj00006	Overhead Hardening	CapEx		2028	1.29027	0		
Proj00006-3UG-ALT1		Proj00006	Overhead Hardening	Incremental_OM_Costs		2028	0.003384691	0.003461862	0.003540792	0.003621522
Proj00006-3UG-ALT1		Proj00006	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00006-3UG-PAS		Proj00006	Overhead Hardening, Undergrounding	CapEx	8/2/2028	2028	2.562120367	0.111579633		
Proj00006-3UG-PAS		Proj00006	Overhead Hardening, Undergrounding	Incremental_OM_Costs	8/2/2028	2028	0.001687792	0.001726274	0.001765633	0.001805889
Proj00006-3UG-PAS		Proj00006	Overhead Hardening, Undergrounding	Incremental_OM_Savings	8/2/2028	2028	-0.073803215	-0.075485928	-0.077207007	-0.078967327
Proj00006-3UG-UGAS	Proj00006-3UG-UGAS	Proj00006	No-Build Baseline	OM_Costs_NBB	8/2/2028	2028	0.419077623	0.146110385	0.149441702	0.152848973
Proj00006-3UG-UGAS	Proj00006-3UG-UGAS	Proj00006	Undergrounding	CapEx	8/2/2028	2028	1.663220367	0.111579633		
Proj00006-3UG-UGAS	Proj00006-3UG-UGAS	Proj00006	Undergrounding	Incremental_OM_Costs	8/2/2028	2028	0.00020183	0.000206432	0.000211139	0.000215953
Proj00006-3UG-UGAS	Proj00006-3UG-UGAS	Proj00006	Undergrounding	Incremental_OM_Savings	8/2/2028	2028	-0.073803215	-0.075485928	-0.077207007	-0.078967327
Proj00007-3UG-ALT1		Proj00007	Overhead Hardening	CapEx		2028	7.40376	0		
Proj00007-3UG-ALT1		Proj00007	Overhead Hardening	Incremental_OM_Costs		2028	0.022537137	0.023050984	0.023576546	0.024114091
Proj00007-3UG-ALT1		Proj00007	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00007-3UG-PAS		Proj00007	Overhead Hardening, Undergrounding	CapEx	11/8/2028	2028	9.422472085	0.205777915		
Proj00007-3UG-PAS		Proj00007	Overhead Hardening, Undergrounding	Incremental_OM_Costs	11/8/2028	2028	0.019717407	0.020166964	0.020626771	0.021097061
Proj00007-3UG-PAS		Proj00007	Overhead Hardening, Undergrounding	Incremental_OM_Savings	11/8/2028	2028	-0.062551028	-0.063977192	-0.065435872	-0.066927809
Proj00007-3UG-UGAS	Proj00007-3UG-UGAS	Proj00007	No-Build Baseline	OM_Costs_NBB	11/8/2028	2028	1.696913708	0.591624801	0.605113846	0.618910442
Proj00007-3UG-UGAS	Proj00007-3UG-UGAS	Proj00007	Undergrounding	CapEx	11/8/2028	2028	3.067352085	0.205777915		
Proj00007-3UG-UGAS	Proj00007-3UG-UGAS	Proj00007	Undergrounding	Incremental_OM_Costs	11/8/2028	2028	0.000372343	0.000380833	0.000389515	0.000398396
Proj00007-3UG-UGAS	Proj00007-3UG-UGAS	Proj00007	Undergrounding	Incremental_OM_Savings	11/8/2028	2028	-0.062551028	-0.063977192	-0.065435872	-0.066927809

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

rru_id	oeis_subproject_id	oeis_project_id	mitigation_type_nbb	costs_type	used_and_useful_date	year_1	annual_costs_in_year_1	annual_costs_in_year_2	annual_costs_in_year_3	annual_costs_in_year_4
Proj00008-3UG-ALT1		Proj00008	Overhead Hardening	CapEx		2028	16.97078065	0		
Proj00008-3UG-ALT1		Proj00008	Overhead Hardening	Incremental_OM_Costs		2028	0.051375848	0.052547218	0.053745294	0.054970687
Proj00008-3UG-ALT1		Proj00008	Overhead Hardening	Incremental_OM_Savings		2028	-0.021385741	-0.021873336	-0.022372048	-0.022882131
Proj00008-3UG-PAS		Proj00008	Overhead Hardening, Undergrounding	CapEx	12/11/2028	2028	51.78877438	2.86724666		
Proj00008-3UG-PAS		Proj00008	Overhead Hardening, Undergrounding	Incremental_OM_Costs	12/11/2028	2028	0.032457426	0.033197455	0.033954357	0.034728516
Proj00008-3UG-PAS		Proj00008	Overhead Hardening, Undergrounding	Incremental_OM_Savings	12/11/2028	2028	-0.293927296	-0.300628838	-0.307483176	-0.314493792
Proj00008-3UG-UGAS	Proj00008-3UG-UGAS	Proj00008	No-Build Baseline	OM_Costs_NBB	12/11/2028	2028	2.786477698	0.971498613	0.993648781	1.016303973
Proj00008-3UG-UGAS	Proj00008-3UG-UGAS	Proj00008	Undergrounding	CapEx	12/11/2028	2028	42.73954785	2.86724666		
Proj00008-3UG-UGAS	Proj00008-3UG-UGAS	Proj00008	Undergrounding	Incremental_OM_Costs	12/11/2028	2028	0.005187225	0.005305493	0.005426459	0.005550182
Proj00008-3UG-UGAS	Proj00008-3UG-UGAS	Proj00008	Undergrounding	Incremental_OM_Savings	12/11/2028	2028	-0.293927296	-0.300628838	-0.307483176	-0.314493792
Proj00009-3UG-ALT1		Proj00009	Overhead Hardening	CapEx		2028	6.33320925	0		
Proj00009-3UG-ALT1		Proj00009	Overhead Hardening	Incremental_OM_Costs		2028	0.019234975	0.019673533	0.020122089	0.020580873
Proj00009-3UG-ALT1		Proj00009	Overhead Hardening	Incremental_OM_Savings		2028	-0.011190952	-0.011446106	-0.011707077	-0.011973999
Proj00009-3UG-PAS		Proj00009	Overhead Hardening, Undergrounding	CapEx	11/16/2028	2028	25.27837399	1.671510648		
Proj00009-3UG-PAS		Proj00009	Overhead Hardening, Undergrounding	Incremental_OM_Costs	11/16/2028	2028	0.004289801	0.004387608	0.004487646	0.004589964
Proj00009-3UG-PAS		Proj00009	Overhead Hardening, Undergrounding	Incremental_OM_Savings	11/16/2028	2028	-1.07179701	-1.096233982	-1.121228117	-1.146792118
Proj00009-3UG-UGAS	Proj00009-3UG-UGAS	Proj00009	No-Build Baseline	OM_Costs_NBB	11/16/2028	2028	3.858315291	1.34519216	1.375862541	1.407232207
Proj00009-3UG-UGAS	Proj00009-3UG-UGAS	Proj00009	Undergrounding	CapEx	11/16/2028	2028	24.91575291	1.671510648		
Proj00009-3UG-UGAS	Proj00009-3UG-UGAS	Proj00009	Undergrounding	Incremental_OM_Costs	11/16/2028	2028	0.00302398	0.003092927	0.003163445	0.003235572
Proj00009-3UG-UGAS	Proj00009-3UG-UGAS	Proj00009	Undergrounding	Incremental_OM_Savings	11/16/2028	2028	-1.07179701	-1.096233982	-1.121228117	-1.146792118
Proj00010-3UG-ALT1		Proj00010	Overhead Hardening	CapEx		2028	7.51100834	0		
Proj00010-3UG-ALT1		Proj00010	Overhead Hardening	Incremental_OM_Costs		2028	0.021518953	0.022009585	0.022511404	0.023024664
Proj00010-3UG-ALT1		Proj00010	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00010-3UG-PAS		Proj00010	Overhead Hardening, Undergrounding	CapEx	12/22/2028	2028	23.49895512	1.506090722		
Proj00010-3UG-PAS		Proj00010	Overhead Hardening, Undergrounding	Incremental_OM_Costs	12/22/2028	2028	0.005916783	0.006051686	0.006189664	0.006330789
Proj00010-3UG-PAS		Proj00010	Overhead Hardening, Undergrounding	Incremental_OM_Savings	12/22/2028	2028	-0.385977712	-0.394778003	-0.403778942	-0.412985102
Proj00010-3UG-UGAS	Proj00010-3UG-UGAS	Proj00010	No-Build Baseline	OM_Costs_NBB	12/22/2028	2028	1.770174251	0.617166909	0.631238315	0.645630549
Proj00010-3UG-UGAS	Proj00010-3UG-UGAS	Proj00010	Undergrounding	CapEx	12/22/2028	2028	22.4499822	1.506090722		
Proj00010-3UG-UGAS	Proj00010-3UG-UGAS	Proj00010	Undergrounding	Incremental_OM_Costs	12/22/2028	2028	0.002724713	0.002786837	0.002850377	0.002915365
Proj00010-3UG-UGAS	Proj00010-3UG-UGAS	Proj00010	Undergrounding	Incremental_OM_Savings	12/22/2028	2028	-0.385977712	-0.394778003	-0.403778942	-0.412985102
Proj00011-3UG-ALT1		Proj00011	Overhead Hardening	CapEx		2028	5.04569	0		
Proj00011-3UG-ALT1		Proj00011	Overhead Hardening	Incremental_OM_Costs		2028	0.013236087	0.01353787	0.013846533	0.014162234
Proj00011-3UG-ALT1		Proj00011	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00011-3UG-PAS		Proj00011	Undergrounding	CapEx	11/22/2028	2028	17.17143831	1.15197169		
Proj00011-3UG-PAS		Proj00011	Undergrounding	Incremental_OM_Costs	11/22/2028	2028	0.002084424	0.002131949	0.002180557	0.002230274
Proj00011-3UG-PAS		Proj00011	Undergrounding	Incremental_OM_Savings	11/22/2028	2028	-0.905170076	-0.925807953	-0.946916375	-0.968506068
Proj00011-3UG-UGAS	Proj00011-3UG-UGAS	Proj00011	No-Build Baseline	OM_Costs_NBB	11/22/2028	2028	5.45285675	1.901125127	1.94447078	1.988804713
Proj00011-3UG-UGAS	Proj00011-3UG-UGAS	Proj00011	Undergrounding	CapEx	11/22/2028	2028	17.17143831	1.15197169		
Proj00011-3UG-UGAS	Proj00011-3UG-UGAS	Proj00011	Undergrounding	Incremental_OM_Costs	11/22/2028	2028	0.002084424	0.002131949	0.002180557	0.002230274
Proj00011-3UG-UGAS	Proj00011-3UG-UGAS	Proj00011	Undergrounding	Incremental_OM_Savings	11/22/2028	2028	-0.905170076	-0.925807953	-0.946916375	-0.968506068
Proj00012-3UG-ALT1		Proj00012	Overhead Hardening	CapEx		2028	5.08765	0		
Proj00012-3UG-ALT1		Proj00012	Overhead Hardening	Incremental_OM_Costs		2028	0.013346162	0.013650455	0.013961685	0.014280012
Proj00012-3UG-ALT1		Proj00012	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00012-3UG-PAS		Proj00012	Overhead Hardening, Undergrounding	CapEx	8/7/2028	2028	17.010912	1.046197995		
Proj00012-3UG-PAS		Proj00012	Overhead Hardening, Undergrounding	Incremental_OM_Costs	8/7/2028	2028	0.005607944	0.005735806	0.005866582	0.00600034
Proj00012-3UG-PAS		Proj00012	Overhead Hardening, Undergrounding	Incremental_OM_Savings	8/7/2028	2028	-0.464366242	-0.474953792	-0.485782738	-0.496858585
Proj00012-3UG-UGAS	Proj00012-3UG-UGAS	Proj00012	No-Build Baseline	OM_Costs_NBB	8/7/2028	2028	2.057167366	0.717226355	0.733579116	0.75030472
Proj00012-3UG-UGAS	Proj00012-3UG-UGAS	Proj00012	Undergrounding	CapEx	8/7/2028	2028	15.594762	1.046197995		
Proj00012-3UG-UGAS	Proj00012-3UG-UGAS	Proj00012	Undergrounding	Incremental_OM_Costs	8/7/2028	2028	0.001893033	0.001936194	0.00198034	0.002025491
Proj00012-3UG-UGAS	Proj00012-3UG-UGAS	Proj00012	Undergrounding	Incremental_OM_Savings	8/7/2028	2028	-0.464366242	-0.474953792	-0.485782738	-0.496858585
Proj00013-3UG-ALT1		Proj00013	Overhead Hardening	CapEx		2028	9.46083684	0		
Proj00013-3UG-ALT1		Proj00013	Overhead Hardening	Incremental_OM_Costs		2028	0.021243782	0.02172814	0.022223542	0.022730239
Proj00013-3UG-ALT1		Proj00013	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00013-3UG-PAS		Proj00013	Overhead Hardening, Undergrounding	CapEx	8/8/2028	2028	29.31447903	1.965901855		
Proj00013-3UG-PAS		Proj00013	Overhead Hardening, Undergrounding	Incremental_OM_Costs	8/8/2028	2028	0.003691789	0.003775962	0.003862054	0.003950108
Proj00013-3UG-PAS		Proj00013	Overhead Hardening, Undergrounding	Incremental_OM_Savings	8/8/2028	2028	-0.795760865	-0.813904213	-0.832461229	-0.851441345
Proj00013-3UG-UGAS	Proj00013-3UG-UGAS	Proj00013	No-Build Baseline	OM_Costs_NBB	8/8/2028	2028	2.772344904	0.966571249	0.988609073	1.01114936
Proj00013-3UG-UGAS	Proj00013-3UG-UGAS	Proj00013	Undergrounding	CapEx	8/8/2028	2028	29.30398614	1.965901855		
Proj00013-3UG-UGAS	Proj00013-3UG-UGAS	Proj00013	Undergrounding	Incremental_OM_Costs	8/8/2028	2028	0.003664271	0.003747816	0.003833267	0.003920665
Proj00013-3UG-UGAS	Proj00013-3UG-UGAS	Proj00013	Undergrounding	Incremental_OM_Savings	8/8/2028	2028	-0.795760865	-0.813904213	-0.832461229	-0.851441345
Proj00014-3UG-ALT1		Proj00014	Overhead Hardening	CapEx		2028	1.13940162	0		
Proj00014-3UG-ALT1		Proj00014	Overhead Hardening	Incremental_OM_Costs		2028	0.003467258	0.003546311	0.003627167	0.003709867
Proj00014-3UG-ALT1		Proj00014	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00014-3UG-PAS		Proj00014	Undergrounding	CapEx	7/10/2028	2028	3.612640813	0.242359427		
Proj00014-3UG-PAS		Proj00014	Undergrounding	Incremental_OM_Costs	7/10/2028	2028	0.000438461	0.000448458	0.000458683	0.000469141
Proj00014-3UG-PAS		Proj00014	Undergrounding	Incremental_OM_Savings	7/10/2028	2028	-0.19241766	-0.196804783	-0.201291932	-0.205881388
Proj00014-3UG-UGAS	Proj00014-3UG-UGAS	Proj00014	No-Build Baseline	OM_Costs_NBB	7/10/2028	2028	0.653971315	0.228005494	0.23320402	0.238521071
Proj00014-3UG-UGAS	Proj00014-3UG-UGAS	Proj00014	Undergrounding	CapEx	7/10/2028	2028	3.612640813	0.242359427		
Proj00014-3UG-UGAS	Proj00014-3UG-UGAS	Proj00014	Undergrounding	Incremental_OM_Costs	7/10/2028	2028	0.000438461	0.000448458	0.000458683	0.000469141
Proj00014-3UG-UGAS	Proj00014-3UG-UGAS	Proj00014	Undergrounding	Incremental_OM_Savings	7/10/2028	2028	-0.19241766	-0.196804783	-0.201291932	-0.205881388
Proj00015-3UG-ALT1		Proj00015	Overhead Hardening	CapEx		2028	24.04067942	0		
Proj00015-3UG-ALT1		Proj00015	Overhead Hardening	Incremental_OM_Costs		2028	0.062795753	0.064227496	0.065691883	0.067189658
Proj00015-3UG-ALT1		Proj00015	Overhead Hardening	Incremental_OM_Savings		2028	-0.031874056	-0.032600785	-0.033344082	-0.034104328
Proj00015-3UG-PAS		Proj00015	Overhead Hardening, Undergrounding	CapEx	12/27/2028	2028	72.04108057	4.561050529		
Proj00015-3UG-PAS		Proj00015	Overhead Hardening, Undergrounding	Incremental_OM_Costs	12/27/2028	2028	0.018598251	0.019022292	0.019456	0.019899597
Proj00015-3UG-PAS		Proj00015	Overhead Hardening, Undergrounding	Incremental_OM_Savings	12/27/2028	2028	-1.076341603	-1.100882191	-1.125982305	-1.151654702
Proj00015-3UG-UGAS	Proj00015-3UG-UGAS	Proj00015	No-Build Baseline	OM_Costs_NBB	12/27/2028	2028	4.632013697	1.61494021	1.651760847	1.689420994
Proj00015-3UG-UGAS	Proj00015-3UG-UGAS	Proj00015	Undergrounding	CapEx	12/27/2028	2028	67.98760637	4.561050529		
Proj00015-3UG-UGAS	Proj00015-3UG-UGAS	Proj00015	Undergrounding	Incremental_OM_Costs	12/27/2028	2028	0.008251537	0.008439672	0.008632096	0.008828908
Proj00015-3UG-UGAS	Proj00015-3UG-UGAS	Proj00015	Undergrounding	Incremental_OM_Savings	12/27/2028	2028	-1.076341603	-1.100882191	-1.125982305	-1.151654702
Proj00016-3UG-ALT1		Proj00016	Overhead Hardening	CapEx		2028	23.2401759	0		

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

rru_id	oeis_subproject_id	oeis_project_id	mitigation_type_nbb	costs_type	used_and_useful_date	year_1	annual_costs_in_year_1	annual_costs_in_year_2	annual_costs_in_year_3	annual_costs_in_year_4
Proj00016-3UG-ALT1		Proj00016	Overhead Hardening	Incremental_OM_Costs		2028	0.070720887	0.072333324	0.073982523	0.075669325
Proj00016-3UG-ALT1		Proj00016	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00016-3UG-PAS		Proj00016	Overhead Hardening, Undergrounding	CapEx	12/26/2028	2028	27.30712006	0.357768677		
Proj00016-3UG-PAS		Proj00016	Overhead Hardening, Undergrounding	Incremental_OM_Costs	12/26/2028	2028	0.067605659	0.069147068	0.070723621	0.07233612
Proj00016-3UG-PAS		Proj00016	Overhead Hardening, Undergrounding	Incremental_OM_Savings	12/26/2028	2028	-0.071226243	-0.072850201	-0.074511185	-0.076210041
Proj00016-3UG-UGAS	Proj00016-3UG-UGAS	Proj00016	No-Build Baseline	OM_Costs_NBB	12/26/2028	2028	4.84897092	1.690581814	1.729127079	1.768551177
Proj00016-3UG-UGAS	Proj00016-3UG-UGAS	Proj00016	Undergrounding	CapEx	12/26/2028	2028	5.332945963	0.357768677		
Proj00016-3UG-UGAS	Proj00016-3UG-UGAS	Proj00016	Undergrounding	Incremental_OM_Costs	12/26/2028	2028	0.000737271	0.000754081	0.000771274	0.000788859
Proj00016-3UG-UGAS	Proj00016-3UG-UGAS	Proj00016	Undergrounding	Incremental_OM_Savings	12/26/2028	2028	-0.071226243	-0.072850201	-0.074511185	-0.076210041
Proj00017-3UG-ALT1		Proj00017	Overhead Hardening	CapEx		2028	7.63135	0		
Proj00017-3UG-ALT1		Proj00017	Overhead Hardening	Incremental_OM_Costs		2028	0.019950438	0.020405308	0.020870549	0.021346397
Proj00017-3UG-ALT1		Proj00017	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00017-3UG-PAS		Proj00017	Overhead Hardening, Undergrounding	CapEx	11/2/2028	2028	15.25307888	0.719261122		
Proj00017-3UG-PAS		Proj00017	Overhead Hardening, Undergrounding	Incremental_OM_Costs	11/2/2028	2028	0.013189169	0.013489882	0.013797451	0.014112033
Proj00017-3UG-PAS		Proj00017	Overhead Hardening, Undergrounding	Incremental_OM_Savings	11/2/2028	2028	-0.337362116	-0.345053972	-0.352921203	-0.360967806
Proj00017-3UG-UGAS	Proj00017-3UG-UGAS	Proj00017	No-Build Baseline	OM_Costs_NBB	11/2/2028	2028	2.962271077	1.032788543	1.056336122	1.080420585
Proj00017-3UG-UGAS	Proj00017-3UG-UGAS	Proj00017	Undergrounding	CapEx	11/2/2028	2028	10.72139888	0.719261122		
Proj00017-3UG-UGAS	Proj00017-3UG-UGAS	Proj00017	Undergrounding	Incremental_OM_Costs	11/2/2028	2028	0.00130146	0.001331133	0.001361483	0.001392525
Proj00017-3UG-UGAS	Proj00017-3UG-UGAS	Proj00017	Undergrounding	Incremental_OM_Savings	11/2/2028	2028	-0.337362116	-0.345053972	-0.352921203	-0.360967806
Proj00018-3UG-ALT1		Proj00018	Overhead Hardening	CapEx		2028	2.128951438	0		
Proj00018-3UG-ALT1		Proj00018	Overhead Hardening	Incremental_OM_Costs		2028	0.006466692	0.006614132	0.006764935	0.006919175
Proj00018-3UG-ALT1		Proj00018	Overhead Hardening	Incremental_OM_Savings		2028	-0.002992001	-0.003060219	-0.003129992	-0.003201356
Proj00018-3UG-PAS		Proj00018	Undergrounding	CapEx	12/13/2028	2028	7.078964767	0.473177928		
Proj00018-3UG-PAS		Proj00018	Undergrounding	Incremental_OM_Costs	12/13/2028	2028	0.00085604	0.000875558	0.00089552	0.000915938
Proj00018-3UG-PAS		Proj00018	Undergrounding	Incremental_OM_Savings	12/13/2028	2028	-0.278821248	-0.285178373	-0.29168044	-0.298330754
Proj00018-3UG-UGAS	Proj00018-3UG-UGAS	Proj00018	No-Build Baseline	OM_Costs_NBB	12/13/2028	2028	1.103493369	0.384730256	0.393502105	0.402473953
Proj00018-3UG-UGAS	Proj00018-3UG-UGAS	Proj00018	Undergrounding	CapEx	12/13/2028	2028	7.078964767	0.473177928		
Proj00018-3UG-UGAS	Proj00018-3UG-UGAS	Proj00018	Undergrounding	Incremental_OM_Costs	12/13/2028	2028	0.00085604	0.000875558	0.00089552	0.000915938
Proj00018-3UG-UGAS	Proj00018-3UG-UGAS	Proj00018	Undergrounding	Incremental_OM_Savings	12/13/2028	2028	-0.278821248	-0.285178373	-0.29168044	-0.298330754
Proj00019-3UG-ALT1		Proj00019	Overhead Hardening	CapEx		2028	9.09104369	0		
Proj00019-3UG-ALT1		Proj00019	Overhead Hardening	Incremental_OM_Costs		2028	0.023472734	0.024007912	0.024555292	0.025115153
Proj00019-3UG-ALT1		Proj00019	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00019-3UG-PAS		Proj00019	Undergrounding	CapEx	11/27/2028	2028	39.32464708	2.638152921		
Proj00019-3UG-PAS		Proj00019	Undergrounding	Incremental_OM_Costs	11/27/2028	2028	0.003904381	0.00408445	0.00408445	0.004177576
Proj00019-3UG-PAS		Proj00019	Undergrounding	Incremental_OM_Savings	11/27/2028	2028	-1.094884654	-1.119848024	-1.145380559	-1.171495236
Proj00019-3UG-UGAS	Proj00019-3UG-UGAS	Proj00019	No-Build Baseline	OM_Costs_NBB	11/27/2028	2028	3.816741287	1.330697485	1.361037387	1.39206904
Proj00019-3UG-UGAS	Proj00019-3UG-UGAS	Proj00019	Undergrounding	CapEx	11/27/2028	2028	39.32464708	2.638152921		
Proj00019-3UG-UGAS	Proj00019-3UG-UGAS	Proj00019	Undergrounding	Incremental_OM_Costs	11/27/2028	2028	0.003904381	0.003993401	0.00408445	0.004177576
Proj00019-3UG-UGAS	Proj00019-3UG-UGAS	Proj00019	Undergrounding	Incremental_OM_Savings	11/27/2028	2028	-1.094884654	-1.119848024	-1.145380559	-1.171495236
Proj00020-3UG-ALT1		Proj00020	Overhead Hardening	CapEx		2028	5.096	0		
Proj00020-3UG-ALT1		Proj00020	Overhead Hardening	Incremental_OM_Costs		2028	0.01348376	0.01379119	0.014105629	0.014427237
Proj00020-3UG-ALT1		Proj00020	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00020-3UG-PAS		Proj00020	Undergrounding	CapEx	7/3/2028	2028	15.73809621	1.055813786		
Proj00020-3UG-PAS		Proj00020	Undergrounding	Incremental_OM_Costs	7/3/2028	2028	0.001910434	0.001953992	0.001998543	0.002044109
Proj00020-3UG-PAS		Proj00020	Undergrounding	Incremental_OM_Savings	7/3/2028	2028	-0.945279517	-0.96683189	-0.988875657	-1.011422022
Proj00020-3UG-UGAS	Proj00020-3UG-UGAS	Proj00020	No-Build Baseline	OM_Costs_NBB	7/3/2028	2028	3.049242916	1.063111061	1.087349993	1.112141573
Proj00020-3UG-UGAS	Proj00020-3UG-UGAS	Proj00020	Undergrounding	CapEx	7/3/2028	2028	15.73809621	1.055813786		
Proj00020-3UG-UGAS	Proj00020-3UG-UGAS	Proj00020	Undergrounding	Incremental_OM_Costs	7/3/2028	2028	0.001910434	0.001953992	0.001998543	0.002044109
Proj00020-3UG-UGAS	Proj00020-3UG-UGAS	Proj00020	Undergrounding	Incremental_OM_Savings	7/3/2028	2028	-0.945279517	-0.96683189	-0.988875657	-1.011422022
Proj00021-3UG-ALT1		Proj00021	Overhead Hardening	CapEx		2028	18.34810487	0		
Proj00021-3UG-ALT1		Proj00021	Overhead Hardening	Incremental_OM_Costs		2028	0.055008194	0.05626238	0.057545163	0.058857192
Proj00021-3UG-ALT1		Proj00021	Overhead Hardening	Incremental_OM_Savings		2028	-0.01210104	-0.012376944	-0.012659138	-0.012947766
Proj00021-3UG-PAS		Proj00021	Undergrounding	CapEx	3/13/2029	2028	14.10054728	40.06017631	3.62968341	
Proj00021-3UG-PAS		Proj00021	Undergrounding	Incremental_OM_Costs	3/13/2029	2028	0	0.008328482	0.008518371	0.00871259
Proj00021-3UG-PAS		Proj00021	Undergrounding	Incremental_OM_Savings	3/13/2029	2028	0	-1.421297583	-1.453703168	-1.4868476
Proj00021-3UG-UGAS	Proj00021-3UG-UGAS	Proj00021	No-Build Baseline	OM_Costs_NBB	3/13/2029	2028	3.213565832	1.661941355	1.699833618	1.738589825
Proj00021-3UG-UGAS	Proj00021-3UG-UGAS	Proj00021	Undergrounding	CapEx	3/13/2029	2028	14.10054728	40.06017631	3.62968341	
Proj00021-3UG-UGAS	Proj00021-3UG-UGAS	Proj00021	Undergrounding	Incremental_OM_Costs	3/13/2029	2028	0	0.008328482	0.008518371	0.00871259
Proj00021-3UG-UGAS	Proj00021-3UG-UGAS	Proj00021	Undergrounding	Incremental_OM_Savings	3/13/2029	2028	0	-1.421297583	-1.453703168	-1.4868476
Proj00022-3UG-ALT1		Proj00022	Overhead Hardening	CapEx		2028	1.88901102	0		
Proj00022-3UG-ALT1		Proj00022	Overhead Hardening	Incremental_OM_Costs		2028	0.006631803	0.006783009	0.006937661	0.00709584
Proj00022-3UG-ALT1		Proj00022	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00022-3UG-PAS		Proj00022	Overhead Hardening, Undergrounding	CapEx	6/1/2028	2028	2.335749607	0.044693613		
Proj00022-3UG-PAS		Proj00022	Overhead Hardening, Undergrounding	Incremental_OM_Costs	6/1/2028	2028	0.005958739	0.006094598	0.006233555	0.00637568
Proj00022-3UG-PAS		Proj00022	Overhead Hardening, Undergrounding	Incremental_OM_Savings	6/1/2028	2028	-0.014098027	-0.014419462	-0.014748226	-0.015084485
Proj00022-3UG-UGAS	Proj00022-3UG-UGAS	Proj00022	No-Build Baseline	OM_Costs_NBB	6/1/2028	2028	0.451452154	0.157397686	0.160986353	0.164656842
Proj00022-3UG-UGAS	Proj00022-3UG-UGAS	Proj00022	Undergrounding	CapEx	6/1/2028	2028	0.666208747	0.044693613		
Proj00022-3UG-UGAS	Proj00022-3UG-UGAS	Proj00022	Undergrounding	Incremental_OM_Costs	6/1/2028	2028	9.74E-05	9.97E-05	0.000101929	0.000104253
Proj00022-3UG-UGAS	Proj00022-3UG-UGAS	Proj00022	Undergrounding	Incremental_OM_Savings	6/1/2028	2028	-0.014098027	-0.014419462	-0.014748226	-0.015084485
Proj00023-3UG-ALT1		Proj00023	Overhead Hardening	CapEx		2028	25.92079	0		
Proj00023-3UG-ALT1		Proj00023	Overhead Hardening	Incremental_OM_Costs		2028	0.067996629	0.069546952	0.071132623	0.072754447
Proj00023-3UG-ALT1		Proj00023	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00023-3UG-PAS		Proj00023	Overhead Hardening, Undergrounding	CapEx	12/26/2028	2028	95.89945201	6.423347985		
Proj00023-3UG-PAS		Proj00023	Overhead Hardening, Undergrounding	Incremental_OM_Costs	12/26/2028	2028	0.012173024	0.012450569	0.012734442	0.013024787
Proj00023-3UG-PAS		Proj00023	Overhead Hardening, Undergrounding	Incremental_OM_Savings	12/26/2028	2028	-3.060005643	-3.129773772	-3.201132614	-3.274118438
Proj00023-3UG-UGAS	Proj00023-3UG-UGAS	Proj00023	No-Build Baseline	OM_Costs_NBB	12/26/2028	2028	9.817150565	3.422725457	3.500763598	3.580581008
Proj00023-3UG-UGAS	Proj00023-3UG-UGAS	Proj00023	Undergrounding	CapEx	12/26/2028	2028	95.74725201	6.423347985		
Proj00023-3UG-UGAS	Proj00023-3UG-UGAS	Proj00023	Undergrounding	Incremental_OM_Costs	12/26/2028	2028	0.011622667	0.011887664	0.012158702	0.012435921
Proj00023-3UG-UGAS	Proj00023-3UG-UGAS	Proj00023	Undergrounding	Incremental_OM_Savings	12/26/2028	2028	-3.060005643	-3.129773772	-3.201132614	-3.274118438
Proj00024-3UG-ALT1		Proj00024	Overhead Hardening	CapEx		2028	1.0399935	0		
Proj00024-3UG-ALT1		Proj00024	Overhead Hardening	Incremental_OM_Costs		2028	0.003137037	0.003208562	0.003281717	0.00335654

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

rru_id	oeis_subproject_id	oeis_project_id	mitigation_type_nbb	costs_type	used_and_useful_date	year_1	annual_costs_in_year_1	annual_costs_in_year_2	annual_costs_in_year_3	annual_costs_in_year_4
Proj00024-3UG-ALT1		Proj00024	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00024-3UG-PAS		Proj00024	Undergrounding	CapEx	12/11/2028	2028	2.938979887	0.197165873		
Proj00024-3UG-PAS		Proj00024	Undergrounding	Incremental_OM_Costs	12/11/2028	2028	0.000428021	0.000437779	0.000447761	0.00045797
Proj00024-3UG-PAS		Proj00024	Undergrounding	Incremental_OM_Savings	12/11/2028	2028	-0.218223379	-0.223198872	-0.228287806	-0.233492768
Proj00024-3UG-UGAS	Proj00024-3UG-UGAS	Proj00024	No-Build Baseline	OM_Costs_NBB	12/11/2028	2028	0.717857926	0.250279405	0.255985775	0.261822251
Proj00024-3UG-UGAS	Proj00024-3UG-UGAS	Proj00024	Undergrounding	CapEx	12/11/2028	2028	2.938979887	0.197165873		
Proj00024-3UG-UGAS	Proj00024-3UG-UGAS	Proj00024	Undergrounding	Incremental_OM_Costs	12/11/2028	2028	0.000428021	0.000437779	0.000447761	0.00045797
Proj00024-3UG-UGAS	Proj00024-3UG-UGAS	Proj00024	Undergrounding	Incremental_OM_Savings	12/11/2028	2028	-0.218223379	-0.223198872	-0.228287806	-0.233492768
Proj00025-3UG-ALT1		Proj00025	Overhead Hardening	CapEx		2028	4.22463064	0		
Proj00025-3UG-ALT1		Proj00025	Overhead Hardening	Incremental_OM_Costs		2028	0.007815079	0.007993263	0.008175509	0.008361911
Proj00025-3UG-ALT1		Proj00025	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00025-3UG-PAS		Proj00025	Undergrounding	CapEx	8/24/2028	2028	12.54813424	0.841810403		
Proj00025-3UG-PAS		Proj00025	Undergrounding	Incremental_OM_Costs	8/24/2028	2028	0.001245784	0.001274188	0.001303239	0.001332953
Proj00025-3UG-PAS		Proj00025	Undergrounding	Incremental_OM_Savings	8/24/2028	2028	-0.465820254	-0.476440956	-0.487303809	-0.498414336
Proj00025-3UG-UGAS	Proj00025-3UG-UGAS	Proj00025	No-Build Baseline	OM_Costs_NBB	8/24/2028	2028	1.56805223	0.546697563	0.559162267	0.571911167
Proj00025-3UG-UGAS	Proj00025-3UG-UGAS	Proj00025	Undergrounding	CapEx	8/24/2028	2028	12.54813424	0.841810403		
Proj00025-3UG-UGAS	Proj00025-3UG-UGAS	Proj00025	Undergrounding	Incremental_OM_Costs	8/24/2028	2028	0.001245784	0.001274188	0.001303239	0.001332953
Proj00025-3UG-UGAS	Proj00025-3UG-UGAS	Proj00025	Undergrounding	Incremental_OM_Savings	8/24/2028	2028	-0.465820254	-0.476440956	-0.487303809	-0.498414336
Proj00026-3UG-ALT1		Proj00026	Overhead Hardening	CapEx		2028	3.55611	0		
Proj00026-3UG-ALT1		Proj00026	Overhead Hardening	Incremental_OM_Costs		2028	0.009328548	0.009541239	0.009758779	0.009981279
Proj00026-3UG-ALT1		Proj00026	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00026-3UG-PAS		Proj00026	Undergrounding	CapEx	7/3/2028	2028	9.468790992	0.632719008		
Proj00026-3UG-PAS		Proj00026	Undergrounding	Incremental_OM_Costs	7/3/2028	2028	0.001144867	0.00117097	0.001197668	0.001224975
Proj00026-3UG-PAS		Proj00026	Undergrounding	Incremental_OM_Savings	7/3/2028	2028	-0.652841282	-0.667726063	-0.682950217	-0.698521482
Proj00026-3UG-UGAS	Proj00026-3UG-UGAS	Proj00026	No-Build Baseline	OM_Costs_NBB	7/3/2028	2028	2.101807223	0.732789931	0.749497542	0.766586086
Proj00026-3UG-UGAS	Proj00026-3UG-UGAS	Proj00026	Undergrounding	CapEx	7/3/2028	2028	9.468790992	0.632719008		
Proj00026-3UG-UGAS	Proj00026-3UG-UGAS	Proj00026	Undergrounding	Incremental_OM_Costs	7/3/2028	2028	0.001144867	0.00117097	0.001197668	0.001224975
Proj00026-3UG-UGAS	Proj00026-3UG-UGAS	Proj00026	Undergrounding	Incremental_OM_Savings	7/3/2028	2028	-0.652841282	-0.667726063	-0.682950217	-0.698521482
Proj00027-3UG-ALT1		Proj00027	Overhead Hardening	CapEx		2028	0.75920988	0		
Proj00027-3UG-ALT1		Proj00027	Overhead Hardening	Incremental_OM_Costs		2028	0.003632351	0.003715168	0.003799874	0.003886511
Proj00027-3UG-ALT1		Proj00027	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00027-3UG-PAS		Proj00027	Undergrounding	CapEx	9/1/2028	2028	3.028928715	0.203200225		
Proj00027-3UG-PAS		Proj00027	Undergrounding	Incremental_OM_Costs	9/1/2028	2028	0.000455858	0.000466252	0.000476882	0.000487755
Proj00027-3UG-PAS		Proj00027	Undergrounding	Incremental_OM_Savings	9/1/2028	2028	-0.213161893	-0.218021984	-0.222992885	-0.228077123
Proj00027-3UG-UGAS	Proj00027-3UG-UGAS	Proj00027	No-Build Baseline	OM_Costs_NBB	9/1/2028	2028	0.68193153	0.237753755	0.24317454	0.24871892
Proj00027-3UG-UGAS	Proj00027-3UG-UGAS	Proj00027	Undergrounding	CapEx	9/1/2028	2028	3.028928715	0.203200225		
Proj00027-3UG-UGAS	Proj00027-3UG-UGAS	Proj00027	Undergrounding	Incremental_OM_Costs	9/1/2028	2028	0.000455858	0.000466252	0.000476882	0.000487755
Proj00027-3UG-UGAS	Proj00027-3UG-UGAS	Proj00027	Undergrounding	Incremental_OM_Savings	9/1/2028	2028	-0.213161893	-0.218021984	-0.222992885	-0.228077123
Proj00028-3UG-ALT1		Proj00028	Overhead Hardening	CapEx		2028	3.3568	0		
Proj00028-3UG-ALT1		Proj00028	Overhead Hardening	Incremental_OM_Costs		2028	0.008805717	0.009006487	0.009211835	0.009421865
Proj00028-3UG-ALT1		Proj00028	Overhead Hardening	Incremental_OM_Savings		2028	0	0	0	0
Proj00028-3UG-PAS		Proj00028	Overhead Hardening, Undergrounding	CapEx	11/3/2028	2028	8.833000473	0.553869527		
Proj00028-3UG-PAS		Proj00028	Overhead Hardening, Undergrounding	Incremental_OM_Costs	11/3/2028	2028	0.002515677	0.002573034	0.002631699	0.002691702
Proj00028-3UG-PAS		Proj00028	Overhead Hardening, Undergrounding	Incremental_OM_Savings	11/3/2028	2028	-0.565349738	-0.578239712	-0.591423578	-0.604908035
Proj00028-3UG-UGAS	Proj00028-3UG-UGAS	Proj00028	No-Build Baseline	OM_Costs_NBB	11/3/2028	2028	2.20597324	0.769107158	0.786642801	0.804578257
Proj00028-3UG-UGAS	Proj00028-3UG-UGAS	Proj00028	Undergrounding	CapEx	11/3/2028	2028	8.256050473	0.553869527		
Proj00028-3UG-UGAS	Proj00028-3UG-UGAS	Proj00028	Undergrounding	Incremental_OM_Costs	11/3/2028	2028	0.001002194	0.001025044	0.001048415	0.001072319
Proj00028-3UG-UGAS	Proj00028-3UG-UGAS	Proj00028	Undergrounding	Incremental_OM_Savings	11/3/2028	2028	-0.565349738	-0.578239712	-0.591423578	-0.604908035

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

rru_id	annual_costs_in_year_5	annual_costs_in_year_6	annual_costs_in_year_7	annual_costs_in_year_8	annual_costs_in_year_9	annual_costs_in_year_10	annual_costs_in_year_11	annual_costs_in_year_12	annual_costs_in_year_13
Proj00001-3UG-ALT1									
Proj00001-3UG-ALT1	0.009184952	0.009394369	0.00960856	0.009827636	0.010051706	0.010280885	0.010515289	0.010755037	0.011000252
Proj00001-3UG-ALT1	-0.037355473	-0.038207177	-0.039078301	-0.039969286	-0.040880586	-0.041812663	-0.042765992	-0.043741057	-0.044738353
Proj00001-3UG-PAS									
Proj00001-3UG-PAS	0.001382383	0.001413901	0.001446138	0.00147911	0.001512834	0.001547326	0.001582606	0.001618689	0.001655595
Proj00001-3UG-PAS	-1.221298681	-1.249144291	-1.277624781	-1.306754626	-1.336548632	-1.367021941	-1.398190041	-1.430068774	-1.462674342
Proj00001-3UG-UGAS	1.301618238	1.331295134	1.361648663	1.392694252	1.424447681	1.456925089	1.490142981	1.524118241	1.558868136
Proj00001-3UG-UGAS									
Proj00001-3UG-UGAS	0.001382383	0.001413901	0.001446138	0.00147911	0.001512834	0.001547326	0.001582606	0.001618689	0.001655595
Proj00001-3UG-UGAS	-1.221298681	-1.249144291	-1.277624781	-1.306754626	-1.336548632	-1.367021941	-1.398190041	-1.430068774	-1.462674342
Proj00002-3UG-ALT1									
Proj00002-3UG-ALT1	0.007739452	0.007915912	0.008096395	0.008280992	0.008469799	0.00866291	0.008860425	0.009062442	0.009269066
Proj00002-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00002-3UG-PAS									
Proj00002-3UG-PAS	0.001110496	0.001135815	0.001161712	0.001188199	0.001215289	0.001242998	0.001271338	0.001300325	0.001329972
Proj00002-3UG-PAS	-0.294848187	-0.301570726	-0.308446539	-0.31547912	-0.322672044	-0.330028966	-0.337553627	-0.345249849	-0.353121546
Proj00002-3UG-UGAS	0.589706002	0.603151299	0.616903149	0.63096854	0.645354623	0.660068709	0.675118275	0.690510972	0.706254622
Proj00002-3UG-UGAS									
Proj00002-3UG-UGAS	0.001110496	0.001135815	0.001161712	0.001188199	0.001215289	0.001242998	0.001271338	0.001300325	0.001329972
Proj00002-3UG-UGAS	-0.294848187	-0.301570726	-0.308446539	-0.31547912	-0.322672044	-0.330028966	-0.337553627	-0.345249849	-0.353121546
Proj00003-3UG-ALT1									
Proj00003-3UG-ALT1	0.025145716	0.025719039	0.026305433	0.026905196	0.027518635	0.02814606	0.02878779	0.029444152	0.030115478
Proj00003-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00003-3UG-PAS									
Proj00003-3UG-PAS	0.004387071	0.004487097	0.004589402	0.004694041	0.004801065	0.004910529	0.005022489	0.005137002	0.005254126
Proj00003-3UG-PAS	-1.465989879	-1.499414448	-1.533601098	-1.568567203	-1.604330535	-1.640909271	-1.678322002	-1.716587744	-1.755725945
Proj00003-3UG-UGAS	1.684299835	1.722701871	1.761979474	1.802152606	1.843241685	1.885267596	1.928251697	1.972215835	2.017182357
Proj00003-3UG-UGAS									
Proj00003-3UG-UGAS	0.004387071	0.004487097	0.004589402	0.004694041	0.004801065	0.004910529	0.005022489	0.005137002	0.005254126
Proj00003-3UG-UGAS	-1.465989879	-1.499414448	-1.533601098	-1.568567203	-1.604330535	-1.640909271	-1.678322002	-1.716587744	-1.755725945
Proj00004-3UG-ALT1									
Proj00004-3UG-ALT1	0.001294923	0.001324447	0.001354644	0.00138553	0.00141712	0.001449431	0.001482478	0.001516278	0.001550849
Proj00004-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00004-3UG-PAS									
Proj00004-3UG-PAS	0.000182794	0.000186961	0.000191224	0.000195584	0.000200043	0.000204604	0.000209269	0.000214041	0.000218921
Proj00004-3UG-PAS	-0.052572781	-0.053771441	-0.054997429	-0.056251371	-0.057533902	-0.058845675	-0.060187356	-0.061559628	-0.062963188
Proj00004-3UG-UGAS	0.059427255	0.060782196	0.06216803	0.063585461	0.06503521	0.066518013	0.068034623	0.069585813	0.071172369
Proj00004-3UG-UGAS									
Proj00004-3UG-UGAS	0.000182794	0.000186961	0.000191224	0.000195584	0.000200043	0.000204604	0.000209269	0.000214041	0.000218921
Proj00004-3UG-UGAS	-0.052572781	-0.053771441	-0.054997429	-0.056251371	-0.057533902	-0.058845675	-0.060187356	-0.061559628	-0.062963188
Proj00005-3UG-ALT1									
Proj00005-3UG-ALT1	0.017074986	0.017464295	0.017862481	0.018269746	0.018686296	0.019112344	0.019548105	0.019993802	0.020449661
Proj00005-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00005-3UG-PAS									
Proj00005-3UG-PAS	0.002509617	0.002566836	0.00262536	0.002685218	0.002746441	0.00280906	0.002873106	0.002938613	0.003005614
Proj00005-3UG-PAS	-1.343209962	-1.37383515	-1.405158591	-1.437196207	-1.46996428	-1.503479466	-1.537758798	-1.572819698	-1.608679987
Proj00005-3UG-UGAS	1.409094037	1.441221381	1.474081229	1.507690281	1.542065619	1.577224716	1.613185439	1.649966067	1.687585293
Proj00005-3UG-UGAS									
Proj00005-3UG-UGAS	0.002509617	0.002566836	0.00262536	0.002685218	0.002746441	0.00280906	0.002873106	0.002938613	0.003005614
Proj00005-3UG-UGAS	-1.343209962	-1.37383515	-1.405158591	-1.437196207	-1.46996428	-1.503479466	-1.537758798	-1.572819698	-1.608679987
Proj00006-3UG-ALT1									
Proj00006-3UG-ALT1	0.003704093	0.003788547	0.003874925	0.003963274	0.004053636	0.004146059	0.004240589	0.004337275	0.004436165
Proj00006-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00006-3UG-PAS									
Proj00006-3UG-PAS	0.001847064	0.001889177	0.00193225	0.001976305	0.002021365	0.002067452	0.00211459	0.002162803	0.002212115
Proj00006-3UG-PAS	-0.080767782	-0.082609288	-0.084492779	-0.086419215	-0.088389573	-0.090404855	-0.092466086	-0.094574313	-0.096730607
Proj00006-3UG-UGAS	0.156333929	0.159898343	0.163544025	0.167272829	0.171086649	0.174987425	0.178977138	0.183057817	0.187231535
Proj00006-3UG-UGAS									
Proj00006-3UG-UGAS	0.000220876	0.000225912	0.000231063	0.000236332	0.00024172	0.000247231	0.000252868	0.000258633	0.00026453
Proj00006-3UG-UGAS	-0.080767782	-0.082609288	-0.084492779	-0.086419215	-0.088389573	-0.090404855	-0.092466086	-0.094574313	-0.096730607
Proj00007-3UG-ALT1									
Proj00007-3UG-ALT1	0.024663893	0.02522623	0.025801388	0.026389659	0.026991343	0.027606746	0.02823618	0.028879965	0.029538428
Proj00007-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00007-3UG-PAS									
Proj00007-3UG-PAS	0.021578074	0.022070054	0.022573251	0.023087922	0.023614326	0.024152733	0.024703415	0.025266653	0.025842733
Proj00007-3UG-PAS	-0.068453763	-0.070014509	-0.07161084	-0.073243567	-0.074913521	-0.076621549	-0.07836852	-0.080155322	-0.081982864
Proj00007-3UG-UGAS	0.6330216	0.647454492	0.662216455	0.67731499	0.692757772	0.708552649	0.724707649	0.741230984	0.75813105
Proj00007-3UG-UGAS									
Proj00007-3UG-UGAS	0.00040748	0.00041677	0.000426273	0.000435992	0.000445932	0.0004561	0.000466499	0.000477135	0.000488014
Proj00007-3UG-UGAS	-0.068453763	-0.070014509	-0.07161084	-0.073243567	-0.074913521	-0.076621549	-0.07836852	-0.080155322	-0.081982864

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

rru_id	annual_costs_in_year_5	annual_costs_in_year_6	annual_costs_in_year_7	annual_costs_in_year_8	annual_costs_in_year_9	annual_costs_in_year_10	annual_costs_in_year_11	annual_costs_in_year_12	annual_costs_in_year_13
Proj00008-3UG-ALT1									
Proj00008-3UG-ALT1	0.056224019	0.057505926	0.058817061	0.06015809	0.061529695	0.062932572	0.064367435	0.065835012	0.06733605
Proj00008-3UG-ALT1	-0.023403843	-0.023937451	-0.024483225	-0.025041442	-0.025612387	-0.026196349	-0.026793626	-0.027404521	-0.028029344
Proj00008-3UG-PAS									
Proj00008-3UG-PAS	0.035520327	0.03633019	0.037158518	0.038005733	0.038872263	0.039758551	0.040665046	0.041592209	0.042540511
Proj00008-3UG-PAS	-0.321664251	-0.328998195	-0.336499354	-0.34417154	-0.352018651	-0.360044676	-0.368253694	-0.376649879	-0.385237496
Proj00008-3UG-UGAS	1.039475704	1.06317575	1.087416157	1.112209245	1.137567616	1.163504158	1.190032053	1.217164783	1.24491614
Proj00008-3UG-UGAS									
Proj00008-3UG-UGAS	0.005676726	0.005806155	0.005938536	0.006073934	0.00621242	0.006354063	0.006498936	0.006647112	0.006798666
Proj00008-3UG-UGAS	-0.321664251	-0.328998195	-0.336499354	-0.34417154	-0.352018651	-0.360044676	-0.368253694	-0.376649879	-0.385237496
Proj00009-3UG-ALT1									
Proj00009-3UG-ALT1	0.021050117	0.021530059	0.022020945	0.022523022	0.023036547	0.023561781	0.024098989	0.024648446	0.025210431
Proj00009-3UG-ALT1	-0.012247006	-0.012526237	-0.012811836	-0.013103946	-0.013402715	-0.013708297	-0.014020847	-0.014340522	-0.014667486
Proj00009-3UG-PAS									
Proj00009-3UG-PAS	0.004694615	0.004801653	0.00491113	0.005023104	0.005137631	0.005254769	0.005374578	0.005497118	0.005622452
Proj00009-3UG-PAS	-1.172938978	-1.199681987	-1.227034737	-1.255011129	-1.283625382	-1.312892041	-1.342825979	-1.373442412	-1.404756899
Proj00009-3UG-UGAS	1.439317101	1.472133531	1.505698175	1.540028094	1.575140734	1.611053943	1.647785973	1.685355493	1.723781598
Proj00009-3UG-UGAS									
Proj00009-3UG-UGAS	0.003309343	0.003384796	0.003461969	0.003540902	0.003621635	0.003704208	0.003788664	0.003875046	0.003963397
Proj00009-3UG-UGAS	-1.172938978	-1.199681987	-1.227034737	-1.255011129	-1.283625382	-1.312892041	-1.342825979	-1.373442412	-1.404756899
Proj00010-3UG-ALT1									
Proj00010-3UG-ALT1	0.023549626	0.024086558	0.024635731	0.025197426	0.025771927	0.026359527	0.026960524	0.027575224	0.028203939
Proj00010-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00010-3UG-PAS									
Proj00010-3UG-PAS	0.006475131	0.006622764	0.006773763	0.006928204	0.007086167	0.007247732	0.00741298	0.007581996	0.007754866
Proj00010-3UG-PAS	-0.422401162	-0.432031909	-0.441882236	-0.451957151	-0.462261774	-0.472801343	-0.483581213	-0.494606865	-0.505883901
Proj00010-3UG-UGAS	0.660350925	0.675406926	0.690806204	0.706556586	0.722666076	0.739142862	0.755995319	0.773232013	0.790861703
Proj00010-3UG-UGAS									
Proj00010-3UG-UGAS	0.002981836	0.003049822	0.003119357	0.003190479	0.003263222	0.00333623	0.003413721	0.003491554	0.003571161
Proj00010-3UG-UGAS	-0.422401162	-0.432031909	-0.441882236	-0.451957151	-0.462261774	-0.472801343	-0.483581213	-0.494606865	-0.505883901
Proj00011-3UG-ALT1									
Proj00011-3UG-ALT1	0.014485133	0.014815394	0.015153185	0.015498678	0.015852048	0.016213475	0.016583142	0.016961237	0.017347954
Proj00011-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00011-3UG-PAS									
Proj00011-3UG-PAS	0.002281124	0.002333134	0.002386329	0.002440738	0.002496386	0.002553304	0.002611519	0.002671062	0.002731962
Proj00011-3UG-PAS	-0.990588007	-1.013173413	-1.036273767	-1.059900809	-1.084066547	-1.108783264	-1.134063523	-1.159920171	-1.186366351
Proj00011-3UG-UGAS	2.034149461	2.080528069	2.127964108	2.17648169	2.226105473	2.276860677	2.328773101	2.381869128	2.436175744
Proj00011-3UG-UGAS									
Proj00011-3UG-UGAS	0.002281124	0.002333134	0.002386329	0.002440738	0.002496386	0.002553304	0.002611519	0.002671062	0.002731962
Proj00011-3UG-UGAS	-0.990588007	-1.013173413	-1.036273767	-1.059900809	-1.084066547	-1.108783264	-1.134063523	-1.159920171	-1.186366351
Proj00012-3UG-ALT1									
Proj00012-3UG-ALT1	0.014605596	0.014938604	0.015279204	0.01562757	0.015983878	0.016348311	0.016721052	0.017102292	0.017492224
Proj00012-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00012-3UG-PAS									
Proj00012-3UG-PAS	0.006137148	0.006277075	0.006420192	0.006566572	0.00671629	0.006869422	0.007026045	0.007186238	0.007350085
Proj00012-3UG-PAS	-0.50818696	-0.519773623	-0.531624462	-0.5437455	-0.556142897	-0.568822955	-0.581792118	-0.595056979	-0.608624278
Proj00012-3UG-UGAS	0.767411667	0.784908653	0.80280457	0.821108515	0.839829789	0.858977908	0.878562604	0.898593832	0.919081771
Proj00012-3UG-UGAS									
Proj00012-3UG-UGAS	0.002071673	0.002118907	0.002167218	0.00221663	0.00226717	0.002318861	0.002371731	0.002425807	0.002481115
Proj00012-3UG-UGAS	-0.50818696	-0.519773623	-0.531624462	-0.5437455	-0.556142897	-0.568822955	-0.581792118	-0.595056979	-0.608624278
Proj00013-3UG-ALT1									
Proj00013-3UG-ALT1	0.023248488	0.023778554	0.024320705	0.024875217	0.025442372	0.026022458	0.02661577	0.027222609	0.027843285
Proj00013-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00013-3UG-PAS									
Proj00013-3UG-PAS	0.004040171	0.004132287	0.004226503	0.004322867	0.004421429	0.004522237	0.004625344	0.004730802	0.004838664
Proj00013-3UG-PAS	-0.870854207	-0.890709683	-0.911017864	-0.931789071	-0.953033862	-0.974763034	-0.996987631	-1.019718949	-1.042968541
Proj00013-3UG-UGAS	1.034203565	1.057783407	1.081900868	1.106568208	1.131797963	1.157602957	1.183996304	1.21099142	1.238602024
Proj00013-3UG-UGAS									
Proj00013-3UG-UGAS	0.004010056	0.004101486	0.004194999	0.004290645	0.004388472	0.004488529	0.004590868	0.00469554	0.004802598
Proj00013-3UG-UGAS	-0.870854207	-0.890709683	-0.911017864	-0.931789071	-0.953033862	-0.974763034	-0.996987631	-1.019718949	-1.042968541
Proj00014-3UG-ALT1									
Proj00014-3UG-ALT1	0.003794452	0.003880965	0.003969451	0.004059955	0.004152522	0.004247199	0.004344035	0.004443079	0.004544381
Proj00014-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00014-3UG-PAS									
Proj00014-3UG-PAS	0.000479837	0.000490777	0.000501967	0.000513412	0.000525118	0.00053709	0.000549336	0.000561861	0.000574671
Proj00014-3UG-PAS	-0.210575484	-0.215376605	-0.220287192	-0.22530974	-0.230446802	-0.235700989	-0.241074971	-0.246571481	-0.25219331
Proj00014-3UG-UGAS	0.243959352	0.249521625	0.255210718	0.261029522	0.266980995	0.273068162	0.279294116	0.285662022	0.292175116
Proj00014-3UG-UGAS									
Proj00014-3UG-UGAS	0.000479837	0.000490777	0.000501967	0.000513412	0.000525118	0.00053709	0.000549336	0.000561861	0.000574671
Proj00014-3UG-UGAS	-0.210575484	-0.215376605	-0.220287192	-0.22530974	-0.230446802	-0.235700989	-0.241074971	-0.246571481	-0.25219331
Proj00015-3UG-ALT1									
Proj00015-3UG-ALT1	0.068721583	0.070288435	0.071891011	0.073530126	0.075206613	0.076921324	0.07867513	0.080468923	0.082303614
Proj00015-3UG-ALT1	-0.034881906	-0.035677214	-0.036490654	-0.037322641	-0.038173597	-0.039043955	-0.039934157	-0.040844656	-0.041775914
Proj00015-3UG-PAS									
Proj00015-3UG-PAS	0.020353307	0.020817363	0.021291999	0.021777456	0.022273982	0.022781829	0.023301255	0.023832523	0.024375905
Proj00015-3UG-PAS	-1.177912429	-1.204768832	-1.232237562	-1.260332578	-1.289068161	-1.318458915	-1.348519778	-1.379266029	-1.410713295
Proj00015-3UG-UGAS	1.727939793	1.76733682	1.8076321	1.848846112	1.890999803	1.934114599	1.978212411	2.023315654	2.069447251
Proj00015-3UG-UGAS									
Proj00015-3UG-UGAS	0.009030207	0.009236096	0.009446679	0.009662063	0.009882358	0.010107676	0.010338131	0.01057384	0.010814924
Proj00015-3UG-UGAS	-1.177912429	-1.204768832	-1.232237562	-1.260332578	-1.289068161	-1.318458915	-1.348519778	-1.379266029	-1.410713295
Proj00016-3UG-ALT1									

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

rru_id	annual_costs_in_year_5	annual_costs_in_year_6	annual_costs_in_year_7	annual_costs_in_year_8	annual_costs_in_year_9	annual_costs_in_year_10	annual_costs_in_year_11	annual_costs_in_year_12	annual_costs_in_year_13
Proj00016-3UG-ALT1	0.077394585	0.079159182	0.080964011	0.082809991	0.084698059	0.086629174	0.088604319	0.090624498	0.092690737
Proj00016-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00016-3UG-PAS									
Proj00016-3UG-PAS	0.073985383	0.07567225	0.077397577	0.079162242	0.080967141	0.082813192	0.084701333	0.086632523	0.088607745
Proj00016-3UG-PAS	-0.077947629	-0.079724835	-0.081542562	-0.083401732	-0.085303292	-0.087248207	-0.089237466	-0.09127208	-0.093353083
Proj00016-3UG-UGAS	1.808874143	1.850116474	1.892299129	1.93544355	1.979571663	2.024705896	2.070869191	2.118085008	2.166377347
Proj00016-3UG-UGAS									
Proj00016-3UG-UGAS	0.000806845	0.000825241	0.000844057	0.000863301	0.000882984	0.000903117	0.000923708	0.000944768	0.000966309
Proj00016-3UG-UGAS	-0.077947629	-0.079724835	-0.081542562	-0.083401732	-0.085303292	-0.087248207	-0.089237466	-0.09127208	-0.093353083
Proj00017-3UG-ALT1									
Proj00017-3UG-ALT1	0.021833095	0.02233089	0.022840034	0.023360787	0.023893413	0.024438182	0.024995373	0.025565267	0.026148156
Proj00017-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00017-3UG-PAS									
Proj00017-3UG-PAS	0.014433787	0.014762878	0.015099471	0.015443739	0.015795856	0.016156002	0.016524359	0.016901114	0.01728646
Proj00017-3UG-PAS	-0.369197872	-0.377615584	-0.386225219	-0.395031154	-0.404037864	-0.413249928	-0.422672026	-0.432308948	-0.442165592
Proj00017-3UG-UGAS	1.105054175	1.13024941	1.156019096	1.182376332	1.209334512	1.236907339	1.265108826	1.293953307	1.323455443
Proj00017-3UG-UGAS									
Proj00017-3UG-UGAS	0.001424274	0.001456748	0.001489961	0.001523933	0.001558678	0.001594216	0.001630564	0.001667741	0.001705766
Proj00017-3UG-UGAS	-0.369197872	-0.377615584	-0.386225219	-0.395031154	-0.404037864	-0.413249928	-0.422672026	-0.432308948	-0.442165592
Proj00018-3UG-ALT1									
Proj00018-3UG-ALT1	0.007076932	0.007238286	0.007403319	0.007572115	0.007744759	0.00792134	0.008101946	0.008286671	0.008475607
Proj00018-3UG-ALT1	-0.003274346	-0.003349002	-0.003425359	-0.003503457	-0.003583336	-0.003665036	-0.003748599	-0.003834067	-0.003921483
Proj00018-3UG-PAS									
Proj00018-3UG-PAS	0.000936822	0.000958181	0.000980028	0.001002372	0.001025227	0.001048602	0.00107251	0.001096963	0.001121974
Proj00018-3UG-PAS	-0.305132695	-0.31208972	-0.319205366	-0.326483248	-0.333927066	-0.341540603	-0.349327729	-0.357292401	-0.365438668
Proj00018-3UG-UGAS	0.41165036	0.421035988	0.430635608	0.4404541	0.450496454	0.460767773	0.471273278	0.482018309	0.493008326
Proj00018-3UG-UGAS									
Proj00018-3UG-UGAS	0.000936822	0.000958181	0.000980028	0.001002372	0.001025227	0.001048602	0.00107251	0.001096963	0.001121974
Proj00018-3UG-UGAS	-0.305132695	-0.31208972	-0.319205366	-0.326483248	-0.333927066	-0.341540603	-0.349327729	-0.357292401	-0.365438668
Proj00019-3UG-ALT1									
Proj00019-3UG-ALT1	0.025687779	0.02627346	0.026872495	0.027485188	0.02811185	0.0287528	0.029408364	0.030078875	0.030764673
Proj00019-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00019-3UG-PAS									
Proj00019-3UG-PAS	0.004272825	0.004370245	0.004469886	0.0045718	0.004676037	0.004782651	0.004891695	0.005003226	0.005117299
Proj00019-3UG-PAS	-1.198205327	-1.225524408	-1.253466365	-1.282045398	-1.311276033	-1.341173127	-1.371751874	-1.403027817	-1.435016851
Proj00019-3UG-UGAS	1.423808214	1.456271041	1.489474021	1.523434029	1.558168325	1.593694562	1.630030798	1.667195501	1.705207558
Proj00019-3UG-UGAS									
Proj00019-3UG-UGAS	0.004272825	0.004370245	0.004469886	0.0045718	0.004676037	0.004782651	0.004891695	0.005003226	0.005117299
Proj00019-3UG-UGAS	-1.198205327	-1.225524408	-1.253466365	-1.282045398	-1.311276033	-1.341173127	-1.371751874	-1.403027817	-1.435016851
Proj00020-3UG-ALT1									
Proj00020-3UG-ALT1	0.014756178	0.015092619	0.015436731	0.015788688	0.01614867	0.01651686	0.016893444	0.017278615	0.017672567
Proj00020-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00020-3UG-PAS									
Proj00020-3UG-PAS	0.002090715	0.002138383	0.002187138	0.002237005	0.002288009	0.002340176	0.002393532	0.002448104	0.002503921
Proj00020-3UG-PAS	-1.034482444	-1.058068644	-1.082192609	-1.1068666	-1.132103159	-1.157915111	-1.184315575	-1.21131797	-1.23893602
Proj00020-3UG-UGAS	1.137498401	1.163433365	1.189959645	1.217090725	1.244840394	1.273222755	1.302252234	1.331943585	1.362311898
Proj00020-3UG-UGAS									
Proj00020-3UG-UGAS	0.002090715	0.002138383	0.002187138	0.002237005	0.002288009	0.002340176	0.002393532	0.002448104	0.002503921
Proj00020-3UG-UGAS	-1.034482444	-1.058068644	-1.082192609	-1.1068666	-1.132103159	-1.157915111	-1.184315575	-1.21131797	-1.23893602
Proj00021-3UG-ALT1									
Proj00021-3UG-ALT1	0.060199136	0.061571677	0.062975511	0.064411353	0.065879931	0.067381994	0.068918303	0.070489641	0.072096804
Proj00021-3UG-ALT1	-0.013242976	-0.013544915	-0.013853739	-0.014169605	-0.014492672	-0.014823105	-0.015161071	-0.015506744	-0.015860298
Proj00021-3UG-PAS									
Proj00021-3UG-PAS	0.008911237	0.009114413	0.009322222	0.009534769	0.009752161	0.009974511	0.01020193	0.010434534	0.010672441
Proj00021-3UG-PAS	-1.520747725	-1.555420774	-1.590884367	-1.627156531	-1.6642557	-1.70220073	-1.741010906	-1.780705955	-1.821306051
Proj00021-3UG-UGAS	1.778229673	1.818773309	1.860241341	1.902654843	1.946035374	1.99040498	2.035786214	2.082202139	2.129676348
Proj00021-3UG-UGAS									
Proj00021-3UG-UGAS	0.008911237	0.009114413	0.009322222	0.009534769	0.009752161	0.009974511	0.01020193	0.010434534	0.010672441
Proj00021-3UG-UGAS	-1.520747725	-1.555420774	-1.590884367	-1.627156531	-1.6642557	-1.70220073	-1.741010906	-1.780705955	-1.821306051
Proj00022-3UG-ALT1									
Proj00022-3UG-ALT1	0.007257625	0.007423099	0.007592345	0.007765451	0.007942503	0.008123592	0.00830881	0.008498251	0.008692011
Proj00022-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00022-3UG-PAS									
Proj00022-3UG-PAS	0.006521046	0.006669725	0.006821795	0.006977332	0.007136415	0.007299126	0.007465546	0.00763576	0.007809855
Proj00022-3UG-PAS	-0.015428412	-0.015780179	-0.016139967	-0.016507959	-0.01688434	-0.017269303	-0.017663043	-0.018065761	-0.01847766
Proj00022-3UG-UGAS	0.168411018	0.172250789	0.176178107	0.180194968	0.184303413	0.188505531	0.192803457	0.197199376	0.201695522
Proj00022-3UG-UGAS									
Proj00022-3UG-UGAS	0.00010663	0.000109061	0.000111548	0.000114091	0.000116693	0.000119353	0.000122074	0.000124858	0.000127704
Proj00022-3UG-UGAS	-0.015428412	-0.015780179	-0.016139967	-0.016507959	-0.01688434	-0.017269303	-0.017663043	-0.018065761	-0.01847766
Proj00023-3UG-ALT1									
Proj00023-3UG-ALT1	0.074413248	0.07610987	0.077845175	0.079620045	0.081435382	0.083292109	0.085191169	0.087133528	0.089120172
Proj00023-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00023-3UG-PAS									
Proj00023-3UG-PAS	0.013321752	0.013625488	0.013936149	0.014253894	0.014578882	0.014911281	0.015251258	0.015598987	0.015954644
Proj00023-3UG-PAS	-3.348768338	-3.425120256	-3.503212998	-3.583086254	-3.664780621	-3.748337619	-3.833799717	-3.92121035	-4.010613946
Proj00023-3UG-UGAS	3.662218255	3.745716831	3.831119175	3.918468692	4.007809778	4.099187841	4.192649324	4.288241728	4.38601364
Proj00023-3UG-UGAS									
Proj00023-3UG-UGAS	0.01271946	0.013009463	0.013306079	0.013609458	0.013919753	0.014237124	0.01456173	0.014893738	0.015233315
Proj00023-3UG-UGAS	-3.348768338	-3.425120256	-3.503212998	-3.583086254	-3.664780621	-3.748337619	-3.833799717	-3.92121035	-4.010613946
Proj00024-3UG-ALT1									
Proj00024-3UG-ALT1	0.003433069	0.003511343	0.003591402	0.003673286	0.003757037	0.003842697	0.003930311	0.004019922	0.004111576

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

rru_id	annual_costs_in_year_5	annual_costs_in_year_6	annual_costs_in_year_7	annual_costs_in_year_8	annual_costs_in_year_9	annual_costs_in_year_10	annual_costs_in_year_11	annual_costs_in_year_12	annual_costs_in_year_13
Proj00024-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00024-3UG-PAS									
Proj00024-3UG-PAS	0.000468411	0.000479091	0.000490015	0.000501187	0.000512614	0.000524301	0.000536256	0.000548482	0.000560988
Proj00024-3UG-PAS	-0.238816403	-0.244261417	-0.249830577	-0.255526714	-0.261352724	-0.267311566	-0.273406269	-0.279639932	-0.286015723
Proj00024-3UG-UGAS	0.267791798	0.273897451	0.280142313	0.286529558	0.293062432	0.299744255	0.306578424	0.313568412	0.320717772
Proj00024-3UG-UGAS									
Proj00024-3UG-UGAS	0.000468411	0.000479091	0.000490015	0.000501187	0.000512614	0.000524301	0.000536256	0.000548482	0.000560988
Proj00024-3UG-UGAS	-0.238816403	-0.244261417	-0.249830577	-0.255526714	-0.261352724	-0.267311566	-0.273406269	-0.279639932	-0.286015723
Proj00025-3UG-ALT1									
Proj00025-3UG-ALT1	0.008552563	0.008747561	0.008947006	0.009150997	0.00935964	0.00957304	0.009791305	0.010014547	0.010242878
Proj00025-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00025-3UG-PAS									
Proj00025-3UG-PAS	0.001363345	0.001394429	0.001426222	0.00145874	0.001491999	0.001526017	0.00156081	0.001596396	0.001632794
Proj00025-3UG-PAS	-0.509778183	-0.521401126	-0.533289071	-0.545448062	-0.557884278	-0.57060404	-0.583613812	-0.596920207	-0.610529987
Proj00025-3UG-UGAS	0.584950741	0.598287618	0.611928576	0.625880547	0.640150624	0.654746058	0.669674268	0.684942842	0.700559538
Proj00025-3UG-UGAS									
Proj00025-3UG-UGAS	0.001363345	0.001394429	0.001426222	0.00145874	0.001491999	0.001526017	0.00156081	0.001596396	0.001632794
Proj00025-3UG-UGAS	-0.509778183	-0.521401126	-0.533289071	-0.545448062	-0.557884278	-0.57060404	-0.583613812	-0.596920207	-0.610529987
Proj00026-3UG-ALT1									
Proj00026-3UG-ALT1	0.010208853	0.010441615	0.010679683	0.01092318	0.011172229	0.011426955	0.01168749	0.011953965	0.012226515
Proj00026-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00026-3UG-PAS									
Proj00026-3UG-PAS	0.001252904	0.00128147	0.001310688	0.001340571	0.001371137	0.001402398	0.001434373	0.001467077	0.001500526
Proj00026-3UG-PAS	-0.714447772	-0.730737181	-0.747397989	-0.764438663	-0.781867864	-0.799694452	-0.817927485	-0.836576232	-0.85565017
Proj00026-3UG-UGAS	0.784064248	0.801940913	0.820225166	0.8389263	0.858053819	0.877617447	0.897627124	0.918093023	0.939025544
Proj00026-3UG-UGAS									
Proj00026-3UG-UGAS	0.001252904	0.00128147	0.001310688	0.001340571	0.001371137	0.001402398	0.001434373	0.001467077	0.001500526
Proj00026-3UG-UGAS	-0.714447772	-0.730737181	-0.747397989	-0.764438663	-0.781867864	-0.799694452	-0.817927485	-0.836576232	-0.85565017
Proj00027-3UG-ALT1									
Proj00027-3UG-ALT1	0.003975124	0.004065757	0.004158456	0.004253269	0.004350243	0.004449429	0.004550876	0.004654636	0.004760761
Proj00027-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00027-3UG-PAS									
Proj00027-3UG-PAS	0.000498876	0.00051025	0.000521884	0.000533783	0.000545953	0.000558401	0.000571133	0.000584155	0.000597473
Proj00027-3UG-PAS	-0.233277281	-0.238596003	-0.244035992	-0.249600013	-0.255290893	-0.261111526	-0.267064868	-0.273153947	-0.279381857
Proj00027-3UG-UGAS	0.254389711	0.260189797	0.266122124	0.272189709	0.278395634	0.284743054	0.291235196	0.297875358	0.304666917
Proj00027-3UG-UGAS									
Proj00027-3UG-UGAS	0.000498876	0.00051025	0.000521884	0.000533783	0.000545953	0.000558401	0.000571133	0.000584155	0.000597473
Proj00027-3UG-UGAS	-0.233277281	-0.238596003	-0.244035992	-0.249600013	-0.255290893	-0.261111526	-0.267064868	-0.273153947	-0.279381857
Proj00028-3UG-ALT1									
Proj00028-3UG-ALT1	0.009636683	0.0098564	0.010081126	0.010310975	0.010546066	0.010786516	0.011032448	0.011283988	0.011541263
Proj00028-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00028-3UG-PAS									
Proj00028-3UG-PAS	0.002753073	0.002815843	0.002880044	0.002945709	0.003012871	0.003081565	0.003151825	0.003223686	0.003297186
Proj00028-3UG-PAS	-0.618699939	-0.632806297	-0.647234281	-0.661991222	-0.677084622	-0.692522152	-0.708311657	-0.724461163	-0.740978877
Proj00028-3UG-UGAS	0.822922641	0.841685277	0.860875702	0.880503667	0.900579151	0.921112356	0.942113717	0.96359391	0.985563851
Proj00028-3UG-UGAS									
Proj00028-3UG-UGAS	0.001096768	0.001121774	0.001147351	0.00117351	0.001200266	0.001227632	0.001255623	0.001284251	0.001313532
Proj00028-3UG-UGAS	-0.618699939	-0.632806297	-0.647234281	-0.661991222	-0.677084622	-0.692522152	-0.708311657	-0.724461163	-0.740978877

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

rru_id	annual_costs_in_year_14	annual_costs_in_year_15	annual_costs_in_year_16	annual_costs_in_year_17	annual_costs_in_year_18	annual_costs_in_year_19	annual_costs_in_year_20	annual_costs_in_year_21	annual_costs_in_year_22
Proj00001-3UG-ALT1									
Proj00001-3UG-ALT1	0.011251058	0.011507582	0.011769955	0.01203831	0.012312783	0.012593515	0.012880647	0.013174326	0.0134747
Proj00001-3UG-ALT1	-0.045758387	-0.046801678	-0.047868757	-0.048960164	-0.050076456	-0.051218199	-0.052385974	-0.053580375	-0.054802007
Proj00001-3UG-PAS									
Proj00001-3UG-PAS	0.001693343	0.001731951	0.001771439	0.001811828	0.001853138	0.001895389	0.001938604	0.001982804	0.002028012
Proj00001-3UG-PAS	-1.496023317	-1.530132648	-1.565019673	-1.600702121	-1.63719813	-1.674526247	-1.712705445	-1.75175513	-1.791695147
Proj00001-3UG-UGAS	1.59441033	1.630762885	1.667944279	1.705973409	1.744869603	1.784652629	1.825342709	1.866960523	1.909527223
Proj00001-3UG-UGAS									
Proj00001-3UG-UGAS	0.001693343	0.001731951	0.001771439	0.001811828	0.001853138	0.001895389	0.001938604	0.001982804	0.002028012
Proj00001-3UG-UGAS	-1.496023317	-1.530132648	-1.565019673	-1.600702121	-1.63719813	-1.674526247	-1.712705445	-1.75175513	-1.791695147
Proj00002-3UG-ALT1									
Proj00002-3UG-ALT1	0.009480401	0.009696554	0.009917635	0.010143757	0.010375035	0.010611586	0.01085353	0.011100991	0.011354093
Proj00002-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00002-3UG-PAS									
Proj00002-3UG-PAS	0.001360296	0.00139131	0.001423032	0.001455478	0.001488662	0.001522604	0.001557319	0.001592826	0.001629143
Proj00002-3UG-PAS	-0.361172717	-0.369407455	-0.377829945	-0.386444468	-0.395255402	-0.404267225	-0.413484518	-0.422911965	-0.432554357
Proj00002-3UG-UGAS	0.722357227	0.738826972	0.755672227	0.772901554	0.790523709	0.80854765	0.826982536	0.845837738	0.865122839
Proj00002-3UG-UGAS									
Proj00002-3UG-UGAS	0.001360296	0.00139131	0.001423032	0.001455478	0.001488662	0.001522604	0.001557319	0.001592826	0.001629143
Proj00002-3UG-UGAS	-0.361172717	-0.369407455	-0.377829945	-0.386444468	-0.395255402	-0.404267225	-0.413484518	-0.422911965	-0.432554357
Proj00003-3UG-ALT1									
Proj00003-3UG-ALT1	0.030802111	0.031504399	0.0322227	0.032957377	0.033708805	0.034477366	0.03526345	0.036067457	0.036889795
Proj00003-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00003-3UG-PAS									
Proj00003-3UG-PAS	0.00537392	0.005496445	0.005621764	0.00574994	0.005881039	0.006015127	0.006152271	0.006292543	0.006436013
Proj00003-3UG-PAS	-1.795756496	-1.836699744	-1.878576498	-1.921408043	-1.965216146	-2.010023074	-2.0558516	-2.102725017	-2.150667147
Proj00003-3UG-UGAS	2.063174114	2.110214484	2.158327374	2.207537238	2.257869087	2.309348503	2.362001648	2.415855286	2.470936787
Proj00003-3UG-UGAS									
Proj00003-3UG-UGAS	0.00537392	0.005496445	0.005621764	0.00574994	0.005881039	0.006015127	0.006152271	0.006292543	0.006436013
Proj00003-3UG-UGAS	-1.795756496	-1.836699744	-1.878576498	-1.921408043	-1.965216146	-2.010023074	-2.0558516	-2.102725017	-2.150667147
Proj00004-3UG-ALT1									
Proj00004-3UG-ALT1	0.001586209	0.001622374	0.001659364	0.001697198	0.001735894	0.001775472	0.001815953	0.001857357	0.001899705
Proj00004-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00004-3UG-PAS									
Proj00004-3UG-PAS	0.000223912	0.000229017	0.000234239	0.00023958	0.000245042	0.000250629	0.000256343	0.000262188	0.000268166
Proj00004-3UG-PAS	-0.064398748	-0.06586704	-0.067368808	-0.068904817	-0.070475847	-0.072082696	-0.073726182	-0.075407139	-0.077126421
Proj00004-3UG-UGAS	0.072795099	0.074454827	0.076152398	0.077888672	0.079664534	0.081480885	0.083338649	0.085238771	0.087182215
Proj00004-3UG-UGAS									
Proj00004-3UG-UGAS	0.000223912	0.000229017	0.000234239	0.00023958	0.000245042	0.000250629	0.000256343	0.000262188	0.000268166
Proj00004-3UG-UGAS	-0.064398748	-0.06586704	-0.067368808	-0.068904817	-0.070475847	-0.072082696	-0.073726182	-0.075407139	-0.077126421
Proj00005-3UG-ALT1									
Proj00005-3UG-ALT1	0.020915913	0.021392796	0.021880551	0.022379428	0.022889679	0.023411564	0.023945347	0.024491301	0.025049703
Proj00005-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00005-3UG-PAS									
Proj00005-3UG-PAS	0.003074142	0.003144232	0.00321592	0.003289243	0.003364238	0.003440943	0.003519396	0.003599639	0.00368171
Proj00005-3UG-PAS	-1.645357891	-1.682872051	-1.721241534	-1.760485841	-1.800624918	-1.841679166	-1.883669451	-1.926617115	-1.970543985
Proj00005-3UG-UGAS	1.726062238	1.765416457	1.805667952	1.846837182	1.888945069	1.932013017	1.976062914	2.021117148	2.067198619
Proj00005-3UG-UGAS									
Proj00005-3UG-UGAS	0.003074142	0.003144232	0.00321592	0.003289243	0.003364238	0.003440943	0.003519396	0.003599639	0.00368171
Proj00005-3UG-UGAS	-1.645357891	-1.682872051	-1.721241534	-1.760485841	-1.800624918	-1.841679166	-1.883669451	-1.926617115	-1.970543985
Proj00006-3UG-ALT1									
Proj00006-3UG-ALT1	0.004537309	0.00464076	0.004746569	0.004854791	0.00496548	0.005078693	0.005194487	0.005312922	0.005434056
Proj00006-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00006-3UG-PAS									
Proj00006-3UG-PAS	0.002262551	0.002314137	0.002366899	0.002420865	0.00247606	0.002532515	0.002590256	0.002649314	0.002709718
Proj00006-3UG-PAS	-0.098936065	-0.101191807	-0.10349898	-0.105858757	-0.108272337	-0.110740946	-0.11326584	-0.115848301	-0.118489642
Proj00006-3UG-UGAS	0.191500414	0.195866624	0.200332383	0.204899961	0.20957168	0.214349915	0.219237093	0.224235698	0.229348272
Proj00006-3UG-UGAS									
Proj00006-3UG-UGAS	0.000270561	0.00027673	0.00028304	0.000289493	0.000296093	0.000302844	0.000309749	0.000316812	0.000324035
Proj00006-3UG-UGAS	-0.098936065	-0.101191807	-0.10349898	-0.105858757	-0.108272337	-0.110740946	-0.11326584	-0.115848301	-0.118489642
Proj00007-3UG-ALT1									
Proj00007-3UG-ALT1	0.030211904	0.030900736	0.031605272	0.032325873	0.033062902	0.033816737	0.034587758	0.035376359	0.03618294
Proj00007-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00007-3UG-PAS									
Proj00007-3UG-PAS	0.026431947	0.027034595	0.027650984	0.028281427	0.028926243	0.029585761	0.030260317	0.030950252	0.031655918
Proj00007-3UG-PAS	-0.083852073	-0.0857639	-0.087719317	-0.089719318	-0.091764918	-0.093857158	-0.095997101	-0.098185835	-0.100424472
Proj00007-3UG-UGAS	0.775416438	0.793095933	0.81117852	0.82967339	0.848589944	0.867937794	0.887726776	0.907966947	0.928668593
Proj00007-3UG-UGAS									
Proj00007-3UG-UGAS	0.00049914	0.000510521	0.000522161	0.000534066	0.000546243	0.000558697	0.000571435	0.000584464	0.00059779
Proj00007-3UG-UGAS	-0.083852073	-0.0857639	-0.087719317	-0.089719318	-0.091764918	-0.093857158	-0.095997101	-0.098185835	-0.100424472

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

rru_id	annual_costs_in_year_14	annual_costs_in_year_15	annual_costs_in_year_16	annual_costs_in_year_17	annual_costs_in_year_18	annual_costs_in_year_19	annual_costs_in_year_20	annual_costs_in_year_21	annual_costs_in_year_22
Proj00008-3UG-ALT1									
Proj00008-3UG-ALT1	0.068871312	0.070441578	0.072047646	0.073690332	0.075370472	0.077088919	0.078846546	0.080644247	0.082482936
Proj00008-3UG-ALT1	-0.028668413	-0.029322053	-0.029990596	-0.030674381	-0.031373757	-0.032089079	-0.03282071	-0.033569022	-0.034334396
Proj00008-3UG-PAS									
Proj00008-3UG-PAS	0.043510435	0.044502473	0.045517129	0.04655492	0.047616372	0.048702025	0.049812432	0.050948155	0.052109773
Proj00008-3UG-PAS	-0.394020911	-0.403004588	-0.412193092	-0.421591095	-0.431203372	-0.441034809	-0.451090402	-0.461375263	-0.471894619
Proj00008-3UG-UGAS	1.273300228	1.302331474	1.332024631	1.362394793	1.393457394	1.425228223	1.457723426	1.49095952	1.524953397
Proj00008-3UG-UGAS									
Proj00008-3UG-UGAS	0.006953675	0.007112219	0.007274378	0.007440233	0.007609871	0.007783376	0.007960837	0.008142344	0.008327989
Proj00008-3UG-UGAS	-0.394020911	-0.403004588	-0.412193092	-0.421591095	-0.431203372	-0.441034809	-0.451090402	-0.461375263	-0.471894619
Proj00009-3UG-ALT1									
Proj00009-3UG-ALT1	0.025785228	0.026373132	0.026974439	0.027589456	0.028218496	0.028861878	0.029519928	0.030192983	0.030881383
Proj00009-3UG-ALT1	-0.015001904	-0.015343948	-0.01569379	-0.016051608	-0.016417585	-0.016791906	-0.017174761	-0.017566346	-0.017966859
Proj00009-3UG-PAS									
Proj00009-3UG-PAS	0.005750644	0.005881759	0.006015863	0.006153025	0.006293314	0.006436801	0.00658356	0.006733665	0.006887193
Proj00009-3UG-PAS	-1.436785356	-1.469544062	-1.503049667	-1.537319199	-1.572370077	-1.608220115	-1.644887533	-1.682390969	-1.720749483
Proj00009-3UG-UGAS	1.763083819	1.80328213	1.844396963	1.886449213	1.929460255	1.973451949	2.018446654	2.064467237	2.11153709
Proj00009-3UG-UGAS									
Proj00009-3UG-UGAS	0.004053762	0.004146188	0.004240721	0.004337409	0.004436302	0.00453745	0.004640904	0.004746717	0.004854942
Proj00009-3UG-UGAS	-1.436785356	-1.469544062	-1.503049667	-1.537319199	-1.572370077	-1.608220115	-1.644887533	-1.682390969	-1.720749483
Proj00010-3UG-ALT1									
Proj00010-3UG-ALT1	0.028846989	0.029504701	0.030177408	0.030865453	0.031569185	0.032288962	0.033025151	0.033778124	0.034548265
Proj00010-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00010-3UG-PAS									
Proj00010-3UG-PAS	0.007931677	0.008112519	0.008297484	0.008486667	0.008680163	0.008878071	0.009080491	0.009287526	0.009499282
Proj00010-3UG-PAS	-0.517418054	-0.529215186	-0.541281292	-0.553622506	-0.566245099	-0.579155487	-0.592360232	-0.605866046	-0.619679791
Proj00010-3UG-UGAS	0.808893349	0.827336118	0.846199381	0.865492727	0.885225961	0.905409113	0.926052441	0.947166437	0.968761832
Proj00010-3UG-UGAS									
Proj00010-3UG-UGAS	0.003652584	0.003735863	0.00382104	0.00390816	0.003997266	0.004088404	0.004181619	0.00427696	0.004374475
Proj00010-3UG-UGAS	-0.517418054	-0.529215186	-0.541281292	-0.553622506	-0.566245099	-0.579155487	-0.592360232	-0.605866046	-0.619679791
Proj00011-3UG-ALT1									
Proj00011-3UG-ALT1	0.017743487	0.018148038	0.018561814	0.018985023	0.019417882	0.019860609	0.020313431	0.020776577	0.021250283
Proj00011-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00011-3UG-PAS									
Proj00011-3UG-PAS	0.002794251	0.00285796	0.002923121	0.002989768	0.003057935	0.003127656	0.003198967	0.003271903	0.003346503
Proj00011-3UG-PAS	-1.213415504	-1.241081377	-1.269378033	-1.298319852	-1.327921545	-1.358198156	-1.389165074	-1.420838037	-1.453233145
Proj00011-3UG-UGAS	2.491720551	2.548531779	2.606638304	2.666069657	2.726856045	2.789028363	2.85261821	2.917657905	2.984180505
Proj00011-3UG-UGAS									
Proj00011-3UG-UGAS	0.002794251	0.00285796	0.002923121	0.002989768	0.003057935	0.003127656	0.003198967	0.003271903	0.003346503
Proj00011-3UG-UGAS	-1.213415504	-1.241081377	-1.269378033	-1.298319852	-1.327921545	-1.358198156	-1.389165074	-1.420838037	-1.453233145
Proj00012-3UG-ALT1									
Proj00012-3UG-ALT1	0.017891047	0.018298963	0.018716179	0.019142908	0.019579366	0.020025776	0.020482364	0.020949362	0.021427007
Proj00012-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00012-3UG-PAS									
Proj00012-3UG-PAS	0.007517667	0.007689069	0.00786438	0.008043688	0.008227084	0.008414662	0.008606516	0.008802744	0.009003447
Proj00012-3UG-PAS	-0.622500911	-0.636693932	-0.651210554	-0.666058154	-0.68124428	-0.69677665	-0.712663157	-0.728911877	-0.745531068
Proj00012-3UG-UGAS	0.940036835	0.961469675	0.983391184	1.005812503	1.028745028	1.052200415	1.076190584	1.100727729	1.125824322
Proj00012-3UG-UGAS									
Proj00012-3UG-UGAS	0.002537684	0.002595544	0.002654722	0.00271525	0.002777157	0.002840476	0.002905239	0.002971479	0.003039229
Proj00012-3UG-UGAS	-0.622500911	-0.636693932	-0.651210554	-0.666058154	-0.68124428	-0.69677665	-0.712663157	-0.728911877	-0.745531068
Proj00013-3UG-ALT1									
Proj00013-3UG-ALT1	0.028478112	0.029127413	0.029791518	0.030470764	0.031165498	0.031876071	0.032602845	0.03334619	0.034106483
Proj00013-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00013-3UG-PAS									
Proj00013-3UG-PAS	0.004948986	0.005061823	0.005177232	0.005295273	0.005416005	0.00553949	0.005665791	0.005794971	0.005927096
Proj00013-3UG-PAS	-1.066748224	-1.091070084	-1.115946482	-1.141390061	-1.167413755	-1.194030788	-1.22125469	-1.249099297	-1.277578761
Proj00013-3UG-UGAS	1.266842151	1.295726152	1.325268708	1.355484834	1.386389889	1.417999578	1.450329968	1.483397492	1.517218955
Proj00013-3UG-UGAS									
Proj00013-3UG-UGAS	0.004912097	0.005024093	0.005138642	0.005255803	0.005375636	0.0054982	0.005623559	0.005751776	0.005882917
Proj00013-3UG-UGAS	-1.066748224	-1.091070084	-1.115946482	-1.141390061	-1.167413755	-1.194030788	-1.22125469	-1.249099297	-1.277578761
Proj00014-3UG-ALT1									
Proj00014-3UG-ALT1	0.004647993	0.004753968	0.004862358	0.00497322	0.005086609	0.005202584	0.005321203	0.005442526	0.005566616
Proj00014-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00014-3UG-PAS									
Proj00014-3UG-PAS	0.000587774	0.000601175	0.000614882	0.000628901	0.00064324	0.000657906	0.000672906	0.000688248	0.00070394
Proj00014-3UG-PAS	-0.257943318	-0.263824425	-0.269839622	-0.275991966	-0.282284583	-0.288720671	-0.295303502	-0.302036422	-0.308922853
Proj00014-3UG-UGAS	0.298836709	0.305650186	0.31261901	0.319746723	0.327036949	0.334493391	0.34211984	0.349920173	0.357898353
Proj00014-3UG-UGAS									
Proj00014-3UG-UGAS	0.000587774	0.000601175	0.000614882	0.000628901	0.00064324	0.000657906	0.000672906	0.000688248	0.00070394
Proj00014-3UG-UGAS	-0.257943318	-0.263824425	-0.269839622	-0.275991966	-0.282284583	-0.288720671	-0.295303502	-0.302036422	-0.308922853
Proj00015-3UG-ALT1									
Proj00015-3UG-ALT1	0.084180137	0.086099444	0.088062511	0.090070336	0.09212394	0.094224366	0.096372681	0.098569978	0.100817374
Proj00015-3UG-ALT1	-0.042728405	-0.043702613	-0.044699032	-0.04571817	-0.046760545	-0.047826685	-0.048917134	-0.050032444	-0.051173184
Proj00015-3UG-PAS									
Proj00015-3UG-PAS	0.024931675	0.025500118	0.02608152	0.026676179	0.027284396	0.02790648	0.028542748	0.029193523	0.029859135
Proj00015-3UG-PAS	-1.442877558	-1.475775166	-1.50942284	-1.543837681	-1.57903718	-1.615039227	-1.651862122	-1.689524578	-1.728045739
Proj00015-3UG-UGAS	2.116630649	2.164889827	2.214249316	2.2647342	2.31637014	2.369183379	2.42320076	2.478449737	2.534958391
Proj00015-3UG-UGAS									
Proj00015-3UG-UGAS	0.011061504	0.011313706	0.011571659	0.011835493	0.012105342	0.012381344	0.012663638	0.012952369	0.013247683
Proj00015-3UG-UGAS	-1.442877558	-1.475775166	-1.50942284	-1.543837681	-1.57903718	-1.615039227	-1.651862122	-1.689524578	-1.728045739
Proj00016-3UG-ALT1									

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

rru_id	annual_costs_in_year_14	annual_costs_in_year_15	annual_costs_in_year_16	annual_costs_in_year_17	annual_costs_in_year_18	annual_costs_in_year_19	annual_costs_in_year_20	annual_costs_in_year_21	annual_costs_in_year_22
Proj00016-3UG-ALT1	0.094804085	0.096965618	0.099176435	0.101437657	0.103750436	0.106115946	0.108535389	0.111009996	0.113541024
Proj00016-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00016-3UG-PAS									
Proj00016-3UG-PAS	0.090628001	0.09269432	0.09480775	0.096969367	0.099180268	0.101441578	0.103754446	0.106120048	0.108539585
Proj00016-3UG-PAS	-0.095481534	-0.097658513	-0.099885127	-0.102162508	-0.104491813	-0.106874226	-0.109310958	-0.111803248	-0.114352362
Proj00016-3UG-UGAS	2.21577075	2.266290323	2.317961743	2.37081127	2.424865767	2.480152707	2.536700189	2.594536953	2.653692395
Proj00016-3UG-UGAS									
Proj00016-3UG-UGAS	0.000988341	0.001010875	0.001033923	0.001057496	0.001081607	0.001106268	0.001131491	0.001157289	0.001183675
Proj00016-3UG-UGAS	-0.095481534	-0.097658513	-0.099885127	-0.102162508	-0.104491813	-0.106874226	-0.109310958	-0.111803248	-0.114352362
Proj00017-3UG-ALT1									
Proj00017-3UG-ALT1	0.026744334	0.027354104	0.027977778	0.028615671	0.029268109	0.029935421	0.030617949	0.031316038	0.032030044
Proj00017-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00017-3UG-PAS									
Proj00017-3UG-PAS	0.017680591	0.018083708	0.018496017	0.018917726	0.01934905	0.019790209	0.020241425	0.02070293	0.021174957
Proj00017-3UG-PAS	-0.452246968	-0.462558199	-0.473104526	-0.483891309	-0.494924031	-0.506208299	-0.517749848	-0.529554544	-0.541628388
Proj00017-3UG-UGAS	1.353630227	1.384492996	1.416059436	1.448345592	1.481367871	1.515143059	1.54968832	1.585021214	1.621159698
Proj00017-3UG-UGAS									
Proj00017-3UG-UGAS	0.001744657	0.001784435	0.00182512	0.001866733	0.001909295	0.001952826	0.001997351	0.002042891	0.002089468
Proj00017-3UG-UGAS	-0.452246968	-0.462558199	-0.473104526	-0.483891309	-0.494924031	-0.506208299	-0.517749848	-0.529554544	-0.541628388
Proj00018-3UG-ALT1									
Proj00018-3UG-ALT1	0.00866885	0.0088665	0.009068656	0.009275422	0.009486901	0.009703203	0.009924436	0.010150713	0.010382149
Proj00018-3UG-ALT1	-0.004010893	-0.004102342	-0.004195875	-0.004291541	-0.004389388	-0.004489466	-0.004591826	-0.00469652	-0.0048036
Proj00018-3UG-PAS									
Proj00018-3UG-PAS	0.001147555	0.001173719	0.00120048	0.001227851	0.001255846	0.001284479	0.001313765	0.001343719	0.001374356
Proj00018-3UG-PAS	-0.37377067	-0.382292641	-0.391008913	-0.399923916	-0.409042182	-0.418368343	-0.427907142	-0.437663424	-0.447642151
Proj00018-3UG-UGAS	0.504248916	0.515745791	0.527504795	0.539531905	0.551833232	0.56441503	0.577283693	0.590445761	0.603907924
Proj00018-3UG-UGAS									
Proj00018-3UG-UGAS	0.001147555	0.001173719	0.00120048	0.001227851	0.001255846	0.001284479	0.001313765	0.001343719	0.001374356
Proj00018-3UG-UGAS	-0.37377067	-0.382292641	-0.391008913	-0.399923916	-0.409042182	-0.418368343	-0.427907142	-0.437663424	-0.447642151
Proj00019-3UG-ALT1									
Proj00019-3UG-ALT1	0.031466108	0.032183535	0.032917319	0.033667834	0.034435461	0.035220589	0.036023619	0.036844957	0.037685022
Proj00019-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00019-3UG-PAS									
Proj00019-3UG-PAS	0.005233974	0.005353308	0.005475364	0.005600202	0.005727887	0.005858482	0.005992056	0.006128675	0.006268408
Proj00019-3UG-PAS	-1.467735235	-1.501199598	-1.535426949	-1.570434684	-1.606240595	-1.64286288	-1.680320154	-1.718631453	-1.75781625
Proj00019-3UG-UGAS	1.74408629	1.783851458	1.824523271	1.866122402	1.908669992	1.952187668	1.996697547	2.042222251	2.088784918
Proj00019-3UG-UGAS									
Proj00019-3UG-UGAS	0.005233974	0.005353308	0.005475364	0.005600202	0.005727887	0.005858482	0.005992056	0.006128675	0.006268408
Proj00019-3UG-UGAS	-1.467735235	-1.501199598	-1.535426949	-1.570434684	-1.606240595	-1.64286288	-1.680320154	-1.718631453	-1.75781625
Proj00020-3UG-ALT1									
Proj00020-3UG-ALT1	0.018075502	0.018487623	0.018909141	0.019340269	0.019781228	0.02023224	0.020693535	0.021165347	0.021647917
Proj00020-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00020-3UG-PAS									
Proj00020-3UG-PAS	0.00256101	0.002619401	0.002679124	0.002740208	0.002802684	0.002866586	0.002931944	0.002998792	0.003067164
Proj00020-3UG-PAS	-1.267183761	-1.296075551	-1.325626073	-1.355850348	-1.386763736	-1.418381949	-1.450721058	-1.483797498	-1.517628081
Proj00020-3UG-UGAS	1.39337261	1.425141505	1.457634731	1.490868803	1.524860612	1.559627434	1.595186939	1.631557202	1.668756706
Proj00020-3UG-UGAS									
Proj00020-3UG-UGAS	0.00256101	0.002619401	0.002679124	0.002740208	0.002802684	0.002866586	0.002931944	0.002998792	0.003067164
Proj00020-3UG-UGAS	-1.267183761	-1.296075551	-1.325626073	-1.355850348	-1.386763736	-1.418381949	-1.450721058	-1.483797498	-1.517628081
Proj00021-3UG-ALT1									
Proj00021-3UG-ALT1	0.073740612	0.075421898	0.077141517	0.078900343	0.080699271	0.082539215	0.084421109	0.08634591	0.088314597
Proj00021-3UG-ALT1	-0.016221912	-0.016591772	-0.016970064	-0.017356982	-0.017752721	-0.018157483	-0.018571474	-0.018994903	-0.019427987
Proj00021-3UG-PAS									
Proj00021-3UG-PAS	0.010915773	0.011164652	0.011419206	0.011679564	0.011945858	0.012218224	0.012496799	0.012781726	0.01307315
Proj00021-3UG-PAS	-1.862831829	-1.905304394	-1.948745335	-1.993176728	-2.038621158	-2.08510172	-2.132642039	-2.181266278	-2.230999149
Proj00021-3UG-UGAS	2.178232969	2.227896681	2.278692725	2.330646919	2.383785669	2.438135982	2.493725482	2.550582423	2.608735703
Proj00021-3UG-UGAS									
Proj00021-3UG-UGAS	0.010915773	0.011164652	0.011419206	0.011679564	0.011945858	0.012218224	0.012496799	0.012781726	0.01307315
Proj00021-3UG-UGAS	-1.862831829	-1.905304394	-1.948745335	-1.993176728	-2.038621158	-2.08510172	-2.132642039	-2.181266278	-2.230999149
Proj00022-3UG-ALT1									
Proj00022-3UG-ALT1	0.008890189	0.009092885	0.009300203	0.009512248	0.009729127	0.009950951	0.010177833	0.010409887	0.010647233
Proj00022-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00022-3UG-PAS									
Proj00022-3UG-PAS	0.00798792	0.008170045	0.008356322	0.008546846	0.008741714	0.008941025	0.00914488	0.009353384	0.009566641
Proj00022-3UG-PAS	-0.018898951	-0.019329847	-0.019770567	-0.020221336	-0.020682383	-0.021153941	-0.021636251	-0.022129557	-0.022634111
Proj00022-3UG-UGAS	0.20629418	0.210997687	0.215808434	0.220728867	0.225761485	0.230908847	0.236173568	0.241558326	0.247065855
Proj00022-3UG-UGAS									
Proj00022-3UG-UGAS	0.000130616	0.000133594	0.00013664	0.000139755	0.000142942	0.000146201	0.000149534	0.000152944	0.000156431
Proj00022-3UG-UGAS	-0.018898951	-0.019329847	-0.019770567	-0.020221336	-0.020682383	-0.021153941	-0.021636251	-0.022129557	-0.022634111
Proj00023-3UG-ALT1									
Proj00023-3UG-ALT1	0.091152112	0.09323038	0.095356033	0.09753015	0.099753838	0.102028225	0.104354469	0.106733751	0.10916728
Proj00023-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00023-3UG-PAS									
Proj00023-3UG-PAS	0.01631841	0.016690469	0.017071012	0.017460231	0.017858324	0.018265494	0.018681947	0.019107896	0.019543556
Proj00023-3UG-PAS	-4.102055944	-4.19558282	-4.291242108	-4.389082428	-4.489153507	-4.591506207	-4.696192549	-4.803265739	-4.912780198
Proj00023-3UG-UGAS	4.486014751	4.588295887	4.692909033	4.799907359	4.909345247	5.021278319	5.135763464	5.252858871	5.372624054
Proj00023-3UG-UGAS									
Proj00023-3UG-UGAS	0.015580634	0.015935873	0.016299211	0.016670833	0.017050928	0.017439689	0.017837314	0.018244005	0.018659968
Proj00023-3UG-UGAS	-4.102055944	-4.19558282	-4.291242108	-4.389082428	-4.489153507	-4.591506207	-4.696192549	-4.803265739	-4.912780198
Proj00024-3UG-ALT1									
Proj00024-3UG-ALT1	0.00420532	0.004301201	0.004399269	0.004499572	0.004602162	0.004707091	0.004814413	0.004924182	0.005036453

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

rru_id	annual_costs_in_year_14	annual_costs_in_year_15	annual_costs_in_year_16	annual_costs_in_year_17	annual_costs_in_year_18	annual_costs_in_year_19	annual_costs_in_year_20	annual_costs_in_year_21	annual_costs_in_year_22
Proj00024-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00024-3UG-PAS									
Proj00024-3UG-PAS	0.000573778	0.00058686	0.000600241	0.000613926	0.000627924	0.00064224	0.000656883	0.00067186	0.000687179
Proj00024-3UG-PAS	-0.292536881	-0.299206722	-0.306028635	-0.313006088	-0.320142627	-0.327441879	-0.334907554	-0.342543446	-0.350353437
Proj00024-3UG-UGAS	0.328030137	0.335509224	0.343158835	0.350982856	0.358985265	0.367170129	0.375541608	0.384103957	0.392861527
Proj00024-3UG-UGAS									
Proj00024-3UG-UGAS	0.000573778	0.00058686	0.000600241	0.000613926	0.000627924	0.00064224	0.000656883	0.00067186	0.000687179
Proj00024-3UG-UGAS	-0.292536881	-0.299206722	-0.306028635	-0.313006088	-0.320142627	-0.327441879	-0.334907554	-0.342543446	-0.350353437
Proj00025-3UG-ALT1									
Proj00025-3UG-ALT1	0.010476416	0.010715278	0.010959587	0.011209465	0.011465041	0.011726444	0.011993807	0.012267266	0.012546959
Proj00025-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00025-3UG-PAS									
Proj00025-3UG-PAS	0.001670022	0.001708098	0.001747043	0.001786875	0.001827616	0.001869286	0.001911906	0.001955497	0.002000082
Proj00025-3UG-PAS	-0.624450071	-0.638687533	-0.653249608	-0.668143699	-0.683377376	-0.69895838	-0.714894631	-0.731194229	-0.747865457
Proj00025-3UG-UGAS	0.716532296	0.732869232	0.749578651	0.766669044	0.784149098	0.802027698	0.820313929	0.839017087	0.858146676
Proj00025-3UG-UGAS									
Proj00025-3UG-UGAS	0.001670022	0.001708098	0.001747043	0.001786875	0.001827616	0.001869286	0.001911906	0.001955497	0.002000082
Proj00025-3UG-UGAS	-0.624450071	-0.638687533	-0.653249608	-0.668143699	-0.683377376	-0.69895838	-0.714894631	-0.731194229	-0.747865457
Proj00026-3UG-ALT1									
Proj00026-3UG-ALT1	0.01250528	0.0127904	0.013082021	0.013380291	0.013685362	0.013997388	0.014316529	0.014642945	0.014976805
Proj00026-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00026-3UG-PAS									
Proj00026-3UG-PAS	0.001534738	0.00156973	0.00160552	0.001642126	0.001679566	0.00171786	0.001757028	0.001797088	0.001838062
Proj00026-3UG-PAS	-0.875158994	-0.895112619	-0.915521187	-0.93639507	-0.957744877	-0.979581461	-1.001915918	-1.024759601	-1.04812412
Proj00026-3UG-UGAS	0.960435326	0.982333252	1.00473045	1.027638304	1.051068457	1.075032818	1.099543566	1.12461316	1.15025434
Proj00026-3UG-UGAS									
Proj00026-3UG-UGAS	0.001534738	0.00156973	0.00160552	0.001642126	0.001679566	0.00171786	0.001757028	0.001797088	0.001838062
Proj00026-3UG-UGAS	-0.875158994	-0.895112619	-0.915521187	-0.93639507	-0.957744877	-0.979581461	-1.001915918	-1.024759601	-1.04812412
Proj00027-3UG-ALT1									
Proj00027-3UG-ALT1	0.004869307	0.004980327	0.005093878	0.005210019	0.005328807	0.005450304	0.005574571	0.005701671	0.005831669
Proj00027-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00027-3UG-PAS									
Proj00027-3UG-PAS	0.000611096	0.000625029	0.000639279	0.000653855	0.000668763	0.000684011	0.000699606	0.000715557	0.000731872
Proj00027-3UG-PAS	-0.285751764	-0.292266904	-0.298930589	-0.305746207	-0.31271722	-0.319847173	-0.327139688	-0.334598473	-0.342227319
Proj00027-3UG-UGAS	0.311613322	0.318718106	0.325984879	0.333417334	0.341019249	0.348794488	0.356747003	0.364880834	0.373200117
Proj00027-3UG-UGAS									
Proj00027-3UG-UGAS	0.000611096	0.000625029	0.000639279	0.000653855	0.000668763	0.000684011	0.000699606	0.000715557	0.000731872
Proj00027-3UG-UGAS	-0.285751764	-0.292266904	-0.298930589	-0.305746207	-0.31271722	-0.319847173	-0.327139688	-0.334598473	-0.342227319
Proj00028-3UG-ALT1									
Proj00028-3UG-ALT1	0.011804404	0.012073544	0.012348821	0.012630374	0.012918347	0.013212885	0.013514139	0.013822261	0.014137409
Proj00028-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00028-3UG-PAS									
Proj00028-3UG-PAS	0.003372362	0.003449252	0.003527895	0.003608331	0.003690601	0.003774747	0.003860811	0.003948837	0.004038871
Proj00028-3UG-PAS	-0.757873195	-0.775152704	-0.792826186	-0.810902623	-0.829391203	-0.848301322	-0.867642592	-0.887424843	-0.90765813
Proj00028-3UG-UGAS	1.008034707	1.031017899	1.054525107	1.078568279	1.103159636	1.128311675	1.154037182	1.180349229	1.207261192
Proj00028-3UG-UGAS									
Proj00028-3UG-UGAS	0.00134348	0.001374111	0.001405441	0.001437485	0.00147026	0.001503782	0.001538068	0.001573136	0.001609004
Proj00028-3UG-UGAS	-0.757873195	-0.775152704	-0.792826186	-0.810902623	-0.829391203	-0.848301322	-0.867642592	-0.887424843	-0.90765813

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

rru_id	annual_costs_in_year_23	annual_costs_in_year_24	annual_costs_in_year_25	annual_costs_in_year_26	annual_costs_in_year_27	annual_costs_in_year_28	annual_costs_in_year_29	annual_costs_in_year_30	annual_costs_in_year_31
Proj00001-3UG-ALT1									
Proj00001-3UG-ALT1	0.013781924	0.014096151	0.014417544	0.014746264	0.015082478	0.015426359	0.01577808	0.01613782	0.016505763
Proj00001-3UG-ALT1	-0.056051493	-0.057329467	-0.058636579	-0.059973493	-0.061340888	-0.062739461	-0.06416992	-0.065632994	-0.067129427
Proj00001-3UG-PAS									
Proj00001-3UG-PAS	0.002074251	0.002121544	0.002169915	0.002219389	0.002269991	0.002321747	0.002374683	0.002428826	0.002484203
Proj00001-3UG-PAS	-1.832545796	-1.87432784	-1.917062515	-1.96077154	-2.005477131	-2.05120201	-2.097969416	-2.145803118	-2.194727429
Proj00001-3UG-UGAS	1.953064444	1.997594313	2.043139463	2.089723043	2.137368729	2.186100736	2.235943832	2.286923352	2.339065204
Proj00001-3UG-UGAS									
Proj00001-3UG-UGAS	0.002074251	0.002121544	0.002169915	0.002219389	0.002269991	0.002321747	0.002374683	0.002428826	0.002484203
Proj00001-3UG-UGAS	-1.832545796	-1.87432784	-1.917062515	-1.96077154	-2.005477131	-2.05120201	-2.097969416	-2.145803118	-2.194727429
Proj00002-3UG-ALT1									
Proj00002-3UG-ALT1	0.011612966	0.011877742	0.012148555	0.012425542	0.012708844	0.012998606	0.013294974	0.013598099	0.013908136
Proj00002-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00002-3UG-PAS									
Proj00002-3UG-PAS	0.001666287	0.001704278	0.001743136	0.001782879	0.001823529	0.001865106	0.00190763	0.001951124	0.00199561
Proj00002-3UG-PAS	-0.442416597	-0.452503695	-0.462820779	-0.473373093	-0.484166	-0.495204985	-0.506495658	-0.518043759	-0.529855157
Proj00002-3UG-UGAS	0.884847639	0.905022165	0.925656671	0.946761643	0.968347808	0.990426138	1.013007854	1.036104433	1.059727615
Proj00002-3UG-UGAS									
Proj00002-3UG-UGAS	0.001666287	0.001704278	0.001743136	0.001782879	0.001823529	0.001865106	0.00190763	0.001951124	0.00199561
Proj00002-3UG-UGAS	-0.442416597	-0.452503695	-0.462820779	-0.473373093	-0.484166	-0.495204985	-0.506495658	-0.518043759	-0.529855157
Proj00003-3UG-ALT1									
Proj00003-3UG-ALT1	0.037730882	0.038591146	0.039471024	0.040370964	0.041291422	0.042232866	0.043195775	0.044180639	0.045187958
Proj00003-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00003-3UG-PAS									
Proj00003-3UG-PAS	0.006582754	0.006732841	0.00688635	0.007043359	0.007203947	0.007368197	0.007536192	0.007708017	0.00788376
Proj00003-3UG-PAS	-2.199702358	-2.249855572	-2.301152279	-2.353618551	-2.407281054	-2.462167062	-2.518304471	-2.575721813	-2.63444827
Proj00003-3UG-UGAS	2.527274145	2.584895996	2.643831625	2.704110986	2.765764716	2.828824152	2.893321342	2.959289069	3.02676086
Proj00003-3UG-UGAS									
Proj00003-3UG-UGAS	0.006582754	0.006732841	0.00688635	0.007043359	0.007203947	0.007368197	0.007536192	0.007708017	0.00788376
Proj00003-3UG-UGAS	-2.199702358	-2.249855572	-2.301152279	-2.353618551	-2.407281054	-2.462167062	-2.518304471	-2.575721813	-2.63444827
Proj00004-3UG-ALT1									
Proj00004-3UG-ALT1	0.001943018	0.001987319	0.00203263	0.002078973	0.002126374	0.002174855	0.002224442	0.002275159	0.002327033
Proj00004-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00004-3UG-PAS									
Proj00004-3UG-PAS	0.00027428	0.000280534	0.00028693	0.000293472	0.000300163	0.000307007	0.000314006	0.000321166	0.000328488
Proj00004-3UG-PAS	-0.078884904	-0.08068348	-0.082523063	-0.084404589	-0.086329014	-0.088297315	-0.090310494	-0.092369573	-0.094475599
Proj00004-3UG-UGAS	0.089169969	0.091203044	0.093282474	0.095409314	0.097584647	0.099809577	0.102085235	0.104412778	0.10679339
Proj00004-3UG-UGAS									
Proj00004-3UG-UGAS	0.00027428	0.000280534	0.00028693	0.000293472	0.000300163	0.000307007	0.000314006	0.000321166	0.000328488
Proj00004-3UG-UGAS	-0.078884904	-0.08068348	-0.082523063	-0.084404589	-0.086329014	-0.088297315	-0.090310494	-0.092369573	-0.094475599
Proj00005-3UG-ALT1									
Proj00005-3UG-ALT1	0.025620836	0.026204991	0.026802465	0.027413561	0.02803859	0.02867787	0.029331726	0.030000489	0.0306845
Proj00005-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00005-3UG-PAS									
Proj00005-3UG-PAS	0.003765653	0.00385151	0.003939325	0.004029141	0.004121006	0.004214965	0.004311066	0.004409358	0.004509891
Proj00005-3UG-PAS	-2.015472388	-2.061425158	-2.108425652	-2.156497757	-2.205665905	-2.255955088	-2.307390864	-2.359999376	-2.413807362
Proj00005-3UG-UGAS	2.114330748	2.162537489	2.211843343	2.262273372	2.313853205	2.366609058	2.420567744	2.475756689	2.532203941
Proj00005-3UG-UGAS									
Proj00005-3UG-UGAS	0.003765653	0.00385151	0.003939325	0.004029141	0.004121006	0.004214965	0.004311066	0.004409358	0.004509891
Proj00005-3UG-UGAS	-2.015472388	-2.061425158	-2.108425652	-2.156497757	-2.205665905	-2.255955088	-2.307390864	-2.359999376	-2.413807362
Proj00006-3UG-ALT1									
Proj00006-3UG-ALT1	0.005557953	0.005684674	0.005814285	0.00594685	0.006082439	0.006221118	0.00636296	0.006508035	0.006656418
Proj00006-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00006-3UG-PAS									
Proj00006-3UG-PAS	0.0027715	0.00283469	0.002899321	0.002965425	0.003033037	0.00310219	0.00317292	0.003245263	0.003319255
Proj00006-3UG-PAS	-0.121191206	-0.123954365	-0.126780525	-0.129671121	-0.132627622	-0.135651532	-0.138744387	-0.141907759	-0.145143256
Proj00006-3UG-UGAS	0.234577413	0.239925778	0.245396086	0.250991116	0.256713714	0.262566786	0.268553309	0.274676325	0.280938945
Proj00006-3UG-UGAS									
Proj00006-3UG-UGAS	0.000331423	0.000338979	0.000346708	0.000354613	0.000362698	0.000370968	0.000379426	0.000388077	0.000396925
Proj00006-3UG-UGAS	-0.121191206	-0.123954365	-0.126780525	-0.129671121	-0.132627622	-0.135651532	-0.138744387	-0.141907759	-0.145143256
Proj00007-3UG-ALT1									
Proj00007-3UG-ALT1	0.037007911	0.037851691	0.03871471	0.039597405	0.040500226	0.041423631	0.04236809	0.043334083	0.0443221
Proj00007-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00007-3UG-PAS									
Proj00007-3UG-PAS	0.032377673	0.033115884	0.033870926	0.034643183	0.035433047	0.036240921	0.037067214	0.037912346	0.038776748
Proj00007-3UG-PAS	-0.10271415	-0.105056033	-0.107451311	-0.1099012	-0.112406948	-0.114969826	-0.117591138	-0.120272216	-0.123014423
Proj00007-3UG-UGAS	0.949842237	0.97149864	0.993648809	1.016304002	1.039475733	1.06317578	1.087416187	1.112209277	1.137567648
Proj00007-3UG-UGAS									
Proj00007-3UG-UGAS	0.000611419	0.00062536	0.000639618	0.000654201	0.000669117	0.000684373	0.000699976	0.000715936	0.000732259
Proj00007-3UG-UGAS	-0.10271415	-0.105056033	-0.107451311	-0.1099012	-0.112406948	-0.114969826	-0.117591138	-0.120272216	-0.123014423

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

rru_id	annual_costs_in_year_23	annual_costs_in_year_24	annual_costs_in_year_25	annual_costs_in_year_26	annual_costs_in_year_27	annual_costs_in_year_28	annual_costs_in_year_29	annual_costs_in_year_30	annual_costs_in_year_31
Proj00008-3UG-ALT1									
Proj00008-3UG-ALT1	0.084363547	0.086287036	0.088254381	0.09026658	0.092324658	0.094429661	0.096582657	0.098784741	0.101037034
Proj00008-3UG-ALT1	-0.03511722	-0.035917892	-0.03673682	-0.03757442	-0.038431117	-0.039307346	-0.040203554	-0.041120195	-0.042057735
Proj00008-3UG-PAS									
Proj00008-3UG-PAS	0.053297876	0.054513067	0.055755965	0.057027201	0.058327421	0.059657287	0.061017473	0.062408671	0.063831589
Proj00008-3UG-PAS	-0.482653817	-0.493658324	-0.504913734	-0.516425767	-0.528200274	-0.54024324	-0.552560786	-0.565159172	-0.578044801
Proj00008-3UG-UGAS	1.559722335	1.595284004	1.631656479	1.668858247	1.706908215	1.745825722	1.785630549	1.826342925	1.867983544
Proj00008-3UG-UGAS									
Proj00008-3UG-UGAS	0.008517868	0.008712075	0.00891071	0.009113874	0.009321671	0.009534205	0.009751585	0.009973921	0.010201326
Proj00008-3UG-UGAS	-0.482653817	-0.493658324	-0.504913734	-0.516425767	-0.528200274	-0.54024324	-0.552560786	-0.565159172	-0.578044801
Proj00009-3UG-ALT1									
Proj00009-3UG-ALT1	0.031585478	0.032305627	0.033042196	0.033795558	0.034566096	0.035354203	0.036160279	0.036984733	0.037827985
Proj00009-3UG-ALT1	-0.018376503	-0.018795487	-0.019224024	-0.019662332	-0.020110633	-0.020569156	-0.021038132	-0.021517802	-0.022008408
Proj00009-3UG-PAS									
Proj00009-3UG-PAS	0.007044221	0.007204829	0.007369099	0.007537115	0.007708961	0.007884725	0.008064497	0.008248368	0.00843643
Proj00009-3UG-PAS	-1.759982571	-1.800110174	-1.841152686	-1.883130967	-1.926066353	-1.969980666	-2.014896225	-2.060835859	-2.107822917
Proj00009-3UG-UGAS	2.159680136	2.208920843	2.259284238	2.310795919	2.363482066	2.417369457	2.472485481	2.52885815	2.586516115
Proj00009-3UG-UGAS									
Proj00009-3UG-UGAS	0.004965634	0.005078851	0.005194649	0.005313087	0.005434225	0.005558125	0.005684851	0.005814465	0.005947035
Proj00009-3UG-UGAS	-1.759982571	-1.800110174	-1.841152686	-1.883130967	-1.926066353	-1.969980666	-2.014896225	-2.060835859	-2.107822917
Proj00010-3UG-ALT1									
Proj00010-3UG-ALT1	0.035335966	0.036141626	0.036965655	0.037808472	0.038670505	0.039552192	0.040453982	0.041376333	0.042319714
Proj00010-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00010-3UG-PAS									
Proj00010-3UG-PAS	0.009715865	0.009937387	0.010163959	0.010395698	0.01063272	0.010875146	0.011123099	0.011376706	0.011636094
Proj00010-3UG-PAS	-0.633808491	-0.648259324	-0.663039637	-0.67815694	-0.693618919	-0.70943343	-0.725608512	-0.742152386	-0.759073461
Proj00010-3UG-UGAS	0.990849601	1.013440972	1.036547426	1.060180708	1.084352828	1.109076072	1.134363007	1.160226483	1.186679647
Proj00010-3UG-UGAS									
Proj00010-3UG-UGAS	0.004474213	0.004576225	0.004680563	0.00478728	0.00489643	0.005008068	0.005122252	0.00523904	0.00535849
Proj00010-3UG-UGAS	-0.633808491	-0.648259324	-0.663039637	-0.67815694	-0.693618919	-0.70943343	-0.725608512	-0.742152386	-0.759073461
Proj00011-3UG-ALT1									
Proj00011-3UG-ALT1	0.02173479	0.022230343	0.022737195	0.023255603	0.023785831	0.024328148	0.024882829	0.025450158	0.026030422
Proj00011-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00011-3UG-PAS									
Proj00011-3UG-PAS	0.003422803	0.003500843	0.003580662	0.003662301	0.003745801	0.003831206	0.003918557	0.0040079	0.00409928
Proj00011-3UG-PAS	-1.48636686	-1.520256025	-1.554917862	-1.590369989	-1.626630425	-1.663717599	-1.70165036	-1.740447988	-1.780130203
Proj00011-3UG-UGAS	3.052219821	3.121810433	3.192987711	3.26578783	3.340247793	3.416405443	3.494299487	3.573969515	3.65545602
Proj00011-3UG-UGAS									
Proj00011-3UG-UGAS	0.003422803	0.003500843	0.003580662	0.003662301	0.003745801	0.003831206	0.003918557	0.0040079	0.00409928
Proj00011-3UG-UGAS	-1.48636686	-1.520256025	-1.554917862	-1.590369989	-1.626630425	-1.663717599	-1.70165036	-1.740447988	-1.780130203
Proj00012-3UG-ALT1									
Proj00012-3UG-ALT1	0.021915543	0.022415217	0.022926284	0.023449003	0.023983641	0.024530468	0.025089762	0.025661809	0.026246898
Proj00012-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00012-3UG-PAS									
Proj00012-3UG-PAS	0.009208726	0.009418684	0.009633431	0.009853073	0.010077723	0.010307495	0.010542506	0.010782875	0.011028724
Proj00012-3UG-PAS	-0.762529177	-0.779914842	-0.7976969	-0.81588439	-0.834486554	-0.853512847	-0.87297294	-0.892876723	-0.913234312
Proj00012-3UG-UGAS	1.151493116	1.177747159	1.204599794	1.23206467	1.260155744	1.288887295	1.318273925	1.348330571	1.379072508
Proj00012-3UG-UGAS									
Proj00012-3UG-UGAS	0.003108523	0.003179397	0.003251888	0.003326031	0.003401864	0.003479427	0.003558757	0.003639897	0.003722887
Proj00012-3UG-UGAS	-0.762529177	-0.779914842	-0.7976969	-0.81588439	-0.834486554	-0.853512847	-0.87297294	-0.892876723	-0.913234312
Proj00013-3UG-ALT1									
Proj00013-3UG-ALT1	0.034884111	0.035679469	0.036492961	0.037325	0.03817601	0.039046423	0.039936682	0.040847238	0.041778555
Proj00013-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00013-3UG-PAS									
Proj00013-3UG-PAS	0.006062234	0.006200453	0.006341823	0.006486417	0.006634307	0.00678569	0.00694028	0.007098519	0.007260365
Proj00013-3UG-PAS	-1.306707557	-1.336500489	-1.366972701	-1.398139678	-1.430017263	-1.462621656	-1.49596943	-1.530077533	-1.564963301
Proj00013-3UG-UGAS	1.551811547	1.58719285	1.623380847	1.66039393	1.698250912	1.736971033	1.776573972	1.817079859	1.85850928
Proj00013-3UG-UGAS									
Proj00013-3UG-UGAS	0.006017047	0.006154236	0.006294552	0.006438068	0.006584856	0.006734991	0.006888549	0.007045608	0.007206247
Proj00013-3UG-UGAS	-1.306707557	-1.336500489	-1.366972701	-1.398139678	-1.430017263	-1.462621656	-1.49596943	-1.530077533	-1.564963301
Proj00014-3UG-ALT1									
Proj00014-3UG-ALT1	0.005693535	0.005823347	0.00595612	0.006091919	0.006230815	0.006372877	0.006518179	0.006666794	0.006818796
Proj00014-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00014-3UG-PAS									
Proj00014-3UG-PAS	0.00071999	0.000736406	0.000753196	0.000770369	0.000787933	0.000805898	0.000824273	0.000843066	0.000862288
Proj00014-3UG-PAS	-0.315966294	-0.323170325	-0.330538609	-0.338074889	-0.345782996	-0.353666849	-0.361730453	-0.369977907	-0.378413403
Proj00014-3UG-UGAS	0.366058435	0.374404567	0.382940992	0.391672046	0.400602169	0.409735898	0.419077877	0.428632852	0.438405681
Proj00014-3UG-UGAS									
Proj00014-3UG-UGAS	0.00071999	0.000736406	0.000753196	0.000770369	0.000787933	0.000805898	0.000824273	0.000843066	0.000862288
Proj00014-3UG-UGAS	-0.315966294	-0.323170325	-0.330538609	-0.338074889	-0.345782996	-0.353666849	-0.361730453	-0.369977907	-0.378413403
Proj00015-3UG-ALT1									
Proj00015-3UG-ALT1	0.10311601	0.105467055	0.107871704	0.110331179	0.11284673	0.115419635	0.118051203	0.12074277	0.123495705
Proj00015-3UG-ALT1	-0.052339933	-0.053533283	-0.054753842	-0.056002229	-0.05727908	-0.058585043	-0.059920782	-0.061286976	-0.062684319
Proj00015-3UG-PAS									
Proj00015-3UG-PAS	0.030539923	0.031236233	0.03194842	0.032676843	0.033421875	0.034183894	0.034963287	0.03576045	0.036575788
Proj00015-3UG-PAS	-1.767445181	-1.807742931	-1.84895947	-1.891115746	-1.934233185	-1.978333702	-2.02343971	-2.069574136	-2.116760426
Proj00015-3UG-UGAS	2.592755443	2.651870267	2.712332909	2.774174099	2.837425269	2.902118565	2.968286868	3.035963808	3.105183783
Proj00015-3UG-UGAS									
Proj00015-3UG-UGAS	0.01354973	0.013858664	0.014174642	0.014497824	0.014828374	0.015166461	0.015512256	0.015865936	0.016227679
Proj00015-3UG-UGAS	-1.767445181	-1.807742931	-1.84895947	-1.891115746	-1.934233185	-1.978333702	-2.02343971	-2.069574136	-2.116760426
Proj00016-3UG-ALT1									

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

rru_id	annual_costs_in_year_23	annual_costs_in_year_24	annual_costs_in_year_25	annual_costs_in_year_26	annual_costs_in_year_27	annual_costs_in_year_28	annual_costs_in_year_29	annual_costs_in_year_30	annual_costs_in_year_31
Proj00016-3UG-ALT1	0.11612976	0.118777518	0.121485645	0.124255518	0.127088544	0.129986163	0.132949847	0.135981104	0.139081473
Proj00016-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00016-3UG-PAS									
Proj00016-3UG-PAS	0.111014287	0.113545413	0.116134249	0.118782109	0.121490342	0.124260321	0.127093457	0.129991187	0.132954987
Proj00016-3UG-PAS	-0.116959596	-0.119626275	-0.122353754	-0.12514342	-0.12799669	-0.130915014	-0.133899876	-0.136952794	-0.140075317
Proj00016-3UG-UGAS	2.714196582	2.776080264	2.839374894	2.904112642	2.97032641	3.038049852	3.107317389	3.178164225	3.250626369
Proj00016-3UG-UGAS									
Proj00016-3UG-UGAS	0.001210663	0.001238266	0.001266498	0.001295374	0.001324909	0.001355117	0.001386014	0.001417615	0.001449936
Proj00016-3UG-UGAS	-0.116959596	-0.119626275	-0.122353754	-0.12514342	-0.12799669	-0.130915014	-0.133899876	-0.136952794	-0.140075317
Proj00017-3UG-ALT1									
Proj00017-3UG-ALT1	0.032760329	0.033507264	0.03427123	0.035052614	0.035851814	0.036669235	0.037505294	0.038360414	0.039235032
Proj00017-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00017-3UG-PAS									
Proj00017-3UG-PAS	0.021657746	0.022151542	0.022656597	0.023173168	0.023701516	0.024241911	0.024794626	0.025359944	0.02593815
Proj00017-3UG-PAS	-0.553977515	-0.566608202	-0.57952687	-0.592740082	-0.606254556	-0.62007716	-0.634214919	-0.648675019	-0.66346481
Proj00017-3UG-UGAS	1.658122139	1.695927323	1.734594466	1.77414322	1.814593686	1.855966422	1.898282456	1.941563296	1.985830939
Proj00017-3UG-UGAS									
Proj00017-3UG-UGAS	0.002137108	0.002185834	0.002235671	0.002286645	0.00233878	0.002392104	0.002446644	0.002502428	0.002559483
Proj00017-3UG-UGAS	-0.553977515	-0.566608202	-0.57952687	-0.592740082	-0.606254556	-0.62007716	-0.634214919	-0.648675019	-0.66346481
Proj00018-3UG-ALT1									
Proj00018-3UG-ALT1	0.010618862	0.010860972	0.011108602	0.011361879	0.011620929	0.011885887	0.012156885	0.012434062	0.012717558
Proj00018-3UG-ALT1	-0.004913122	-0.005025142	-0.005139715	-0.0052569	-0.005376758	-0.005499348	-0.005624733	-0.005752977	-0.005884145
Proj00018-3UG-PAS									
Proj00018-3UG-PAS	0.001405691	0.001437741	0.001470521	0.001504049	0.001538342	0.001573416	0.00160929	0.001645981	0.00168351
Proj00018-3UG-PAS	-0.457848392	-0.468287335	-0.478964286	-0.489884672	-0.501054042	-0.512478075	-0.524162575	-0.536113481	-0.548336869
Proj00018-3UG-UGAS	0.617677025	0.631760061	0.64616419	0.660896734	0.675965179	0.691377185	0.707140585	0.723263391	0.739753796
Proj00018-3UG-UGAS									
Proj00018-3UG-UGAS	0.001405691	0.001437741	0.001470521	0.001504049	0.001538342	0.001573416	0.00160929	0.001645981	0.00168351
Proj00018-3UG-UGAS	-0.457848392	-0.468287335	-0.478964286	-0.489884672	-0.501054042	-0.512478075	-0.524162575	-0.536113481	-0.548336869
Proj00019-3UG-ALT1									
Proj00019-3UG-ALT1	0.038544241	0.03942305	0.040321895	0.041241234	0.042181534	0.043143273	0.04412694	0.045133034	0.046162067
Proj00019-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00019-3UG-PAS									
Proj00019-3UG-PAS	0.006411328	0.006557506	0.006707018	0.006859938	0.007016344	0.007176317	0.007339937	0.007507287	0.007678453
Proj00019-3UG-PAS	-1.797894461	-1.838886455	-1.880813066	-1.923695604	-1.967555863	-2.012416137	-2.058299225	-2.105228447	-2.153227656
Proj00019-3UG-UGAS	2.136409215	2.185119345	2.234940066	2.285896699	2.338015144	2.391321889	2.445844028	2.501609272	2.558645964
Proj00019-3UG-UGAS									
Proj00019-3UG-UGAS	0.006411328	0.006557506	0.006707018	0.006859938	0.007016344	0.007176317	0.007339937	0.007507287	0.007678453
Proj00019-3UG-UGAS	-1.797894461	-1.838886455	-1.880813066	-1.923695604	-1.967555863	-2.012416137	-2.058299225	-2.105228447	-2.153227656
Proj00020-3UG-ALT1									
Proj00020-3UG-ALT1	0.02214149	0.022646316	0.023162652	0.02369076	0.024230909	0.024783374	0.025348435	0.025926379	0.026517501
Proj00020-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00020-3UG-PAS									
Proj00020-3UG-PAS	0.003137096	0.003208622	0.003281778	0.003356603	0.003433133	0.003511409	0.003591469	0.003673354	0.003757107
Proj00020-3UG-PAS	-1.552230001	-1.587620845	-1.6238186	-1.660841664	-1.698708854	-1.737439416	-1.777053035	-1.817569844	-1.859010436
Proj00020-3UG-UGAS	1.706804359	1.745719498	1.785521903	1.826231802	1.867869887	1.910457321	1.954015748	1.998567307	2.044134641
Proj00020-3UG-UGAS									
Proj00020-3UG-UGAS	0.003137096	0.003208622	0.003281778	0.003356603	0.003433133	0.003511409	0.003591469	0.003673354	0.003757107
Proj00020-3UG-UGAS	-1.552230001	-1.587620845	-1.6238186	-1.660841664	-1.698708854	-1.737439416	-1.777053035	-1.817569844	-1.859010436
Proj00021-3UG-ALT1									
Proj00021-3UG-ALT1	0.09032817	0.092387652	0.09449409	0.096648556	0.098852143	0.101105971	0.103411188	0.105768963	0.108180495
Proj00021-3UG-ALT1	-0.019870945	-0.020324003	-0.02078739	-0.021261342	-0.021746101	-0.022241912	-0.022749028	-0.023267706	-0.023798209
Proj00021-3UG-PAS									
Proj00021-3UG-PAS	0.013371218	0.013676081	0.013987896	0.01430682	0.014633015	0.014966648	0.015307888	0.015656908	0.016013885
Proj00021-3UG-PAS	-2.281865929	-2.333892473	-2.387105221	-2.44153122	-2.497198132	-2.554134249	-2.61236851	-2.671930512	-2.732850528
Proj00021-3UG-UGAS	2.668214877	2.729050176	2.79127252	2.854913533	2.920005562	2.986581689	3.054675751	3.124322358	3.195556908
Proj00021-3UG-UGAS									
Proj00021-3UG-UGAS	0.013371218	0.013676081	0.013987896	0.01430682	0.014633015	0.014966648	0.015307888	0.015656908	0.016013885
Proj00021-3UG-UGAS	-2.281865929	-2.333892473	-2.387105221	-2.44153122	-2.497198132	-2.554134249	-2.61236851	-2.671930512	-2.732850528
Proj00022-3UG-ALT1									
Proj00022-3UG-ALT1	0.01088999	0.011138281	0.011392234	0.011651977	0.011917642	0.012189365	0.012467282	0.012751536	0.013042271
Proj00022-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00022-3UG-PAS									
Proj00022-3UG-PAS	0.00978476	0.010007853	0.010236032	0.010469413	0.010708116	0.010952261	0.011201972	0.011457377	0.011718606
Proj00022-3UG-PAS	-0.023150169	-0.023677993	-0.024217851	-0.024770018	-0.025334774	-0.025912407	-0.02650321	-0.027107483	-0.027725534
Proj00022-3UG-UGAS	0.252698957	0.258460493	0.264353392	0.27038065	0.276545329	0.282850562	0.289299555	0.295895585	0.302642004
Proj00022-3UG-UGAS									
Proj00022-3UG-UGAS	0.000159997	0.000163645	0.000167377	0.000171193	0.000175096	0.000179088	0.000183171	0.000187348	0.000191619
Proj00022-3UG-UGAS	-0.023150169	-0.023677993	-0.024217851	-0.024770018	-0.025334774	-0.025912407	-0.02650321	-0.027107483	-0.027725534
Proj00023-3UG-ALT1									
Proj00023-3UG-ALT1	0.111656294	0.114202058	0.116805865	0.119469038	0.122192932	0.124978931	0.127828451	0.13074294	0.133723879
Proj00023-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00023-3UG-PAS									
Proj00023-3UG-PAS	0.019989149	0.020444901	0.020911045	0.021387817	0.021875459	0.02237422	0.022884352	0.023406115	0.023939775
Proj00023-3UG-PAS	-5.024791586	-5.139356835	-5.25653417	-5.376383149	-5.498964685	-5.62434108	-5.752576057	-5.883734791	-6.017883944
Proj00023-3UG-UGAS	5.495119882	5.620408615	5.748553932	5.879620961	6.013676319	6.150788139	6.291026109	6.434461504	6.581167226
Proj00023-3UG-UGAS									
Proj00023-3UG-UGAS	0.019085415	0.019520563	0.019965632	0.020420848	0.020886443	0.021362654	0.021849723	0.022347896	0.022857428
Proj00023-3UG-UGAS	-5.024791586	-5.139356835	-5.25653417	-5.376383149	-5.498964685	-5.62434108	-5.752576057	-5.883734791	-6.017883944
Proj00024-3UG-ALT1									
Proj00024-3UG-ALT1	0.005151284	0.005268733	0.005388861	0.005511727	0.005637394	0.005765927	0.00589739	0.00603185	0.006169376

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

rru_id	annual_costs_in_year_23	annual_costs_in_year_24	annual_costs_in_year_25	annual_costs_in_year_26	annual_costs_in_year_27	annual_costs_in_year_28	annual_costs_in_year_29	annual_costs_in_year_30	annual_costs_in_year_31
Proj00024-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00024-3UG-PAS									
Proj00024-3UG-PAS	0.000702846	0.000718871	0.000735262	0.000752026	0.000769172	0.000786709	0.000804646	0.000822992	0.000841756
Proj00024-3UG-PAS	-0.358341495	-0.366511681	-0.374868147	-0.383415141	-0.392157006	-0.401098186	-0.410243225	-0.41959677	-0.429163577
Proj00024-3UG-UGAS	0.40181877	0.410980238	0.420350587	0.429934581	0.439737089	0.449763095	0.460017693	0.470506097	0.481233636
Proj00024-3UG-UGAS									
Proj00024-3UG-UGAS	0.000702846	0.000718871	0.000735262	0.000752026	0.000769172	0.000786709	0.000804646	0.000822992	0.000841756
Proj00024-3UG-UGAS	-0.358341495	-0.366511681	-0.374868147	-0.383415141	-0.392157006	-0.401098186	-0.410243225	-0.41959677	-0.429163577
Proj00025-3UG-ALT1									
Proj00025-3UG-ALT1	0.01283303	0.013125623	0.013424887	0.013730975	0.014044041	0.014364245	0.01469175	0.015026722	0.015369331
Proj00025-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00025-3UG-PAS									
Proj00025-3UG-PAS	0.002045684	0.002092326	0.002140031	0.002188823	0.002238729	0.002289772	0.002341978	0.002395376	0.00244999
Proj00025-3UG-PAS	-0.764916789	-0.782356892	-0.800194629	-0.818439067	-0.837099478	-0.856185346	-0.875706372	-0.895672477	-0.916093809
Proj00025-3UG-UGAS	0.87771242	0.897724264	0.918192377	0.939127163	0.960539262	0.982439557	1.004839179	1.027749513	1.051182202
Proj00025-3UG-UGAS									
Proj00025-3UG-UGAS	0.002045684	0.002092326	0.002140031	0.002188823	0.002238729	0.002289772	0.002341978	0.002395376	0.00244999
Proj00025-3UG-UGAS	-0.764916789	-0.782356892	-0.800194629	-0.818439067	-0.837099478	-0.856185346	-0.875706372	-0.895672477	-0.916093809
Proj00026-3UG-ALT1									
Proj00026-3UG-ALT1	0.015318276	0.015667532	0.016024752	0.016390117	0.016763811	0.017146026	0.017536956	0.017936798	0.018345757
Proj00026-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00026-3UG-PAS									
Proj00026-3UG-PAS	0.001879969	0.001922833	0.001966673	0.002011513	0.002057376	0.002104284	0.002152262	0.002201333	0.002251524
Proj00026-3UG-PAS	-1.07202135	-1.096463436	-1.121462803	-1.147032155	-1.173184488	-1.199933094	-1.227291569	-1.255273816	-1.283894059
Proj00026-3UG-UGAS	1.176480139	1.203303886	1.230739214	1.258800068	1.28750071	1.316855726	1.346880037	1.377588902	1.408997929
Proj00026-3UG-UGAS									
Proj00026-3UG-UGAS	0.001879969	0.001922833	0.001966673	0.002011513	0.002057376	0.002104284	0.002152262	0.002201333	0.002251524
Proj00026-3UG-UGAS	-1.07202135	-1.096463436	-1.121462803	-1.147032155	-1.173184488	-1.199933094	-1.227291569	-1.255273816	-1.283894059
Proj00027-3UG-ALT1									
Proj00027-3UG-ALT1	0.005964631	0.006100625	0.006239719	0.006381985	0.006527494	0.006676321	0.006828541	0.006984232	0.007143472
Proj00027-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00027-3UG-PAS									
Proj00027-3UG-PAS	0.000748558	0.000765625	0.000783082	0.000800936	0.000819197	0.000837875	0.000856979	0.000876518	0.000896502
Proj00027-3UG-PAS	-0.350030101	-0.358010788	-0.366173434	-0.374522188	-0.383061294	-0.391795091	-0.400728019	-0.409864618	-0.419209532
Proj00027-3UG-UGAS	0.38170908	0.390412047	0.399313442	0.408417788	0.417729714	0.427253951	0.436995341	0.446958835	0.457149496
Proj00027-3UG-UGAS									
Proj00027-3UG-UGAS	0.000748558	0.000765625	0.000783082	0.000800936	0.000819197	0.000837875	0.000856979	0.000876518	0.000896502
Proj00027-3UG-UGAS	-0.350030101	-0.358010788	-0.366173434	-0.374522188	-0.383061294	-0.391795091	-0.400728019	-0.409864618	-0.419209532
Proj00028-3UG-ALT1									
Proj00028-3UG-ALT1	0.014459742	0.014789424	0.015126623	0.01547151	0.01582426	0.016185053	0.016554072	0.016931505	0.017317544
Proj00028-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00028-3UG-PAS									
Proj00028-3UG-PAS	0.004130957	0.004225143	0.004321476	0.004420006	0.004520782	0.004623856	0.00472928	0.004837107	0.004947393
Proj00028-3UG-PAS	-0.928352735	-0.949519178	-0.971168215	-0.99331085	-1.015958338	-1.039122188	-1.062814174	-1.087046337	-1.111830993
Proj00028-3UG-UGAS	1.234786747	1.262939885	1.291734914	1.32118647	1.351309522	1.382119379	1.413631701	1.445862504	1.478828169
Proj00028-3UG-UGAS									
Proj00028-3UG-UGAS	0.001645689	0.001683211	0.001721588	0.00176084	0.001800987	0.00184205	0.001884048	0.001927005	0.00197094
Proj00028-3UG-UGAS	-0.928352735	-0.949519178	-0.971168215	-0.99331085	-1.015958338	-1.039122188	-1.062814174	-1.087046337	-1.111830993

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

rru_id	annual_costs_in_year_32	annual_costs_in_year_33	annual_costs_in_year_34	annual_costs_in_year_35	annual_costs_in_year_36	annual_costs_in_year_37	annual_costs_in_year_38	annual_costs_in_year_39	annual_costs_in_year_40
Proj00001-3UG-ALT1									
Proj00001-3UG-ALT1	0.016882094	0.017267006	0.017660693	0.018063357	0.018475202	0.018896436	0.019327275	0.019767937	0.020218646
Proj00001-3UG-ALT1	-0.068659978	-0.070225425	-0.071826565	-0.073464211	-0.075139195	-0.076852368	-0.078604602	-0.080396787	-0.082229834
Proj00001-3UG-PAS									
Proj00001-3UG-PAS	0.002540843	0.002598774	0.002658026	0.002718629	0.002780614	0.002844012	0.002908855	0.002975177	0.003043011
Proj00001-3UG-PAS	-2.244767215	-2.295947907	-2.34829552	-2.401836657	-2.456598533	-2.51260898	-2.569896465	-2.628490104	-2.688419678
Proj00001-3UG-UGAS	2.392395891	2.446942517	2.502732807	2.559795115	2.618158443	2.677852456	2.738907492	2.801354582	2.865225467
Proj00001-3UG-UGAS									
Proj00001-3UG-UGAS	0.002540843	0.002598774	0.002658026	0.002718629	0.002780614	0.002844012	0.002908855	0.002975177	0.003043011
Proj00001-3UG-UGAS	-2.244767215	-2.295947907	-2.34829552	-2.401836657	-2.456598533	-2.51260898	-2.569896465	-2.628490104	-2.688419678
Proj00002-3UG-ALT1									
Proj00002-3UG-ALT1	0.014225241	0.014549577	0.014881307	0.015220601	0.015567631	0.015922573	0.016285607	0.016656919	0.017036697
Proj00002-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00002-3UG-PAS									
Proj00002-3UG-PAS	0.002041109	0.002087647	0.002135245	0.002183929	0.002233722	0.002284651	0.002336741	0.002390019	0.002444511
Proj00002-3UG-PAS	-0.541935854	-0.554291992	-0.566929849	-0.57985585	-0.593076563	-0.606598709	-0.62042916	-0.634574944	-0.649043253
Proj00002-3UG-UGAS	1.083889404	1.108602083	1.13387821	1.159730633	1.186172492	1.213217225	1.240878577	1.269170609	1.298107699
Proj00002-3UG-UGAS									
Proj00002-3UG-UGAS	0.002041109	0.002087647	0.002135245	0.002183929	0.002233722	0.002284651	0.002336741	0.002390019	0.002444511
Proj00002-3UG-UGAS	-0.541935854	-0.554291992	-0.566929849	-0.57985585	-0.593076563	-0.606598709	-0.62042916	-0.634574944	-0.649043253
Proj00003-3UG-ALT1									
Proj00003-3UG-ALT1	0.046218243	0.047272019	0.048349821	0.049452197	0.050579707	0.051732924	0.052912435	0.054118839	0.055352748
Proj00003-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00003-3UG-PAS									
Proj00003-3UG-PAS	0.00806351	0.008247358	0.008435398	0.008627725	0.008824437	0.009025634	0.009231418	0.009441895	0.00965717
Proj00003-3UG-PAS	-2.694513691	-2.755948603	-2.818784231	-2.883052511	-2.948786109	-3.016018432	-3.084783652	-3.155116719	-3.227053381
Proj00003-3UG-UGAS	3.095771007	3.166354586	3.238547471	3.312386353	3.387908762	3.465153082	3.544158572	3.624965387	3.707614598
Proj00003-3UG-UGAS									
Proj00003-3UG-UGAS	0.00806351	0.008247358	0.008435398	0.008627725	0.008824437	0.009025634	0.009231418	0.009441895	0.00965717
Proj00003-3UG-UGAS	-2.694513691	-2.755948603	-2.818784231	-2.883052511	-2.948786109	-3.016018432	-3.084783652	-3.155116719	-3.227053381
Proj00004-3UG-ALT1									
Proj00004-3UG-ALT1	0.002380089	0.002434355	0.002489859	0.002546627	0.002604691	0.00266407	0.002724819	0.002786944	0.002850487
Proj00004-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00004-3UG-PAS									
Proj00004-3UG-PAS	0.000335978	0.000343638	0.000351473	0.000359487	0.000367683	0.000376066	0.000384641	0.00039341	0.00040238
Proj00004-3UG-PAS	-0.096629643	-0.098832799	-0.101086187	-0.103390952	-0.105748265	-0.108159326	-0.110625359	-0.113147617	-0.115727382
Proj00004-3UG-UGAS	0.109228279	0.111718684	0.11426587	0.116871132	0.119535793	0.122261209	0.125048765	0.127899877	0.130815994
Proj00004-3UG-UGAS									
Proj00004-3UG-UGAS	0.000335978	0.000343638	0.000351473	0.000359487	0.000367683	0.000376066	0.000384641	0.00039341	0.00040238
Proj00004-3UG-UGAS	-0.096629643	-0.098832799	-0.101086187	-0.103390952	-0.105748265	-0.108159326	-0.110625359	-0.113147617	-0.115727382
Proj00005-3UG-ALT1									
Proj00005-3UG-ALT1	0.031384107	0.032099664	0.032831537	0.033580096	0.034345722	0.035128804	0.035929741	0.036748939	0.037586815
Proj00005-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00005-3UG-PAS									
Proj00005-3UG-PAS	0.004612717	0.004717887	0.004825455	0.004935475	0.005048004	0.005163098	0.005280817	0.00540122	0.005524368
Proj00005-3UG-PAS	-2.468842169	-2.525131771	-2.582704775	-2.641590444	-2.701818706	-2.763420173	-2.826426153	-2.890868669	-2.956780475
Proj00005-3UG-UGAS	2.589938191	2.648988782	2.709385726	2.771159721	2.834342162	2.898965163	2.965061569	3.032664973	3.101809734
Proj00005-3UG-UGAS									
Proj00005-3UG-UGAS	0.004612717	0.004717887	0.004825455	0.004935475	0.005048004	0.005163098	0.005280817	0.00540122	0.005524368
Proj00005-3UG-UGAS	-2.468842169	-2.525131771	-2.582704775	-2.641590444	-2.701818706	-2.763420173	-2.826426153	-2.890868669	-2.956780475
Proj00006-3UG-ALT1									
Proj00006-3UG-ALT1	0.006808185	0.006963411	0.007122177	0.007284563	0.007450651	0.007620526	0.007794274	0.007971983	0.008153744
Proj00006-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00006-3UG-PAS									
Proj00006-3UG-PAS	0.003394934	0.003472338	0.003551508	0.003632482	0.003715303	0.003800011	0.003886652	0.003975267	0.004065903
Proj00006-3UG-PAS	-0.148452522	-0.15183724	-0.155299129	-0.158839949	-0.1624615	-0.166165622	-0.169954198	-0.173829154	-0.177792459
Proj00006-3UG-UGAS	0.287344353	0.293895804	0.300596628	0.307450231	0.314460097	0.321629787	0.328962946	0.336463301	0.344134664
Proj00006-3UG-UGAS									
Proj00006-3UG-UGAS	0.000405975	0.000415231	0.000424698	0.000434381	0.000444285	0.000454415	0.000464775	0.000475372	0.000486211
Proj00006-3UG-UGAS	-0.148452522	-0.15183724	-0.155299129	-0.158839949	-0.1624615	-0.166165622	-0.169954198	-0.173829154	-0.177792459
Proj00007-3UG-ALT1									
Proj00007-3UG-ALT1	0.045332644	0.046366228	0.047423378	0.048504631	0.049610536	0.050741657	0.051898566	0.053081854	0.05429212
Proj00007-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00007-3UG-PAS									
Proj00007-3UG-PAS	0.039660858	0.040565125	0.04149001	0.042435982	0.043403523	0.044393123	0.045405286	0.046440527	0.047499371
Proj00007-3UG-PAS	-0.125819152	-0.128687828	-0.131621911	-0.13462289	-0.137692292	-0.140831676	-0.144042639	-0.147326811	-0.150685862
Proj00007-3UG-UGAS	1.16350419	1.190032086	1.217164818	1.244916175	1.273300264	1.30233151	1.332024669	1.362394831	1.393457433
Proj00007-3UG-UGAS									
Proj00007-3UG-UGAS	0.000748955	0.000766031	0.000783496	0.00080136	0.000819631	0.000838319	0.000857432	0.000876982	0.000896977
Proj00007-3UG-UGAS	-0.125819152	-0.128687828	-0.131621911	-0.13462289	-0.137692292	-0.140831676	-0.144042639	-0.147326811	-0.150685862

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

rru_id	annual_costs_in_year_32	annual_costs_in_year_33	annual_costs_in_year_34	annual_costs_in_year_35	annual_costs_in_year_36	annual_costs_in_year_37	annual_costs_in_year_38	annual_costs_in_year_39	annual_costs_in_year_40
Proj00008-3UG-ALT1									
Proj00008-3UG-ALT1	0.103340678	0.105696845	0.108106733	0.110571567	0.113092599	0.11567111	0.118308411	0.121005843	0.123764776
Proj00008-3UG-ALT1	-0.043016651	-0.043997431	-0.045000573	-0.046026586	-0.047075992	-0.048149324	-0.049247129	-0.050369963	-0.051518399
Proj00008-3UG-PAS									
Proj00008-3UG-PAS	0.065286949	0.066775491	0.068297973	0.069855166	0.071447864	0.073076876	0.074743028	0.076447169	0.078190165
Proj00008-3UG-PAS	-0.591224223	-0.604704135	-0.618491389	-0.632592993	-0.647016113	-0.661768081	-0.676856393	-0.692288719	-0.708072901
Proj00008-3UG-UGAS	1.910573569	1.954134646	1.998688916	2.044259023	2.090868129	2.138539922	2.187298633	2.237169042	2.288176496
Proj00008-3UG-UGAS									
Proj00008-3UG-UGAS	0.010433916	0.01067181	0.010915127	0.011163992	0.011418531	0.011678873	0.011945152	0.012217501	0.01249606
Proj00008-3UG-UGAS	-0.591224223	-0.604704135	-0.618491389	-0.632592993	-0.647016113	-0.661768081	-0.676856393	-0.692288719	-0.708072901
Proj00009-3UG-ALT1									
Proj00009-3UG-ALT1	0.038690463	0.039572606	0.040474861	0.041397688	0.042341556	0.043306943	0.044294341	0.045304252	0.046337189
Proj00009-3UG-ALT1	-0.022510199	-0.023023432	-0.023548366	-0.024085269	-0.024634413	-0.025196078	-0.025770548	-0.026358117	-0.026959082
Proj00009-3UG-PAS									
Proj00009-3UG-PAS	0.008628781	0.008825517	0.009026739	0.009232549	0.009443051	0.009658352	0.009878563	0.010103794	0.01033416
Proj00009-3UG-PAS	-2.155881279	-2.205035373	-2.255310179	-2.306731251	-2.359324724	-2.413117327	-2.468136402	-2.524409912	-2.581966458
Proj00009-3UG-UGAS	2.645488683	2.705805825	2.767498198	2.830597157	2.895134772	2.961143845	3.028657924	3.097711325	3.168339143
Proj00009-3UG-UGAS									
Proj00009-3UG-UGAS	0.006082627	0.006221311	0.006363157	0.006508237	0.006656625	0.006808396	0.006963627	0.007122398	0.007284789
Proj00009-3UG-UGAS	-2.155881279	-2.205035373	-2.255310179	-2.306731251	-2.359324724	-2.413117327	-2.468136402	-2.524409912	-2.581966458
Proj00010-3UG-ALT1									
Proj00010-3UG-ALT1	0.043284603	0.044271492	0.045280882	0.046313286	0.047369229	0.048449248	0.04955389	0.050683719	0.051839308
Proj00010-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00010-3UG-PAS									
Proj00010-3UG-PAS	0.011901397	0.012172749	0.012450288	0.012734154	0.013024493	0.013321452	0.013625181	0.013935835	0.014253572
Proj00010-3UG-PAS	-0.776380336	-0.794081807	-0.812186873	-0.830704733	-0.849644801	-0.869016703	-0.888830283	-0.909095614	-0.929822994
Proj00010-3UG-UGAS	1.213735943	1.241409123	1.269713251	1.298662713	1.328272222	1.358556829	1.389531925	1.421213253	1.453616915
Proj00010-3UG-UGAS									
Proj00010-3UG-UGAS	0.005480663	0.005605623	0.005733431	0.005864153	0.005997856	0.006134607	0.006274476	0.006417534	0.006563854
Proj00010-3UG-UGAS	-0.776380336	-0.794081807	-0.812186873	-0.830704733	-0.849644801	-0.869016703	-0.888830283	-0.909095614	-0.929822994
Proj00011-3UG-ALT1									
Proj00011-3UG-ALT1	0.026623915	0.02723094	0.027851806	0.028486827	0.029136327	0.029800635	0.030480089	0.031175035	0.031885826
Proj00011-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00011-3UG-PAS									
Proj00011-3UG-PAS	0.004192744	0.004288339	0.004386113	0.004486116	0.0045884	0.004693015	0.004800016	0.004909456	0.005021392
Proj00011-3UG-PAS	-1.820717171	-1.862229523	-1.904688356	-1.94811525	-1.992532278	-2.037962014	-2.084427548	-2.131952496	-2.180561013
Proj00011-3UG-UGAS	3.738800417	3.824045067	3.911233294	4.000409413	4.091618748	4.184907655	4.28032355	4.377914927	4.477731387
Proj00011-3UG-UGAS									
Proj00011-3UG-UGAS	0.004192744	0.004288339	0.004386113	0.004486116	0.0045884	0.004693015	0.004800016	0.004909456	0.005021392
Proj00011-3UG-UGAS	-1.820717171	-1.862229523	-1.904688356	-1.94811525	-1.992532278	-2.037962014	-2.084427548	-2.131952496	-2.180561013
Proj00012-3UG-ALT1									
Proj00012-3UG-ALT1	0.026845327	0.027457401	0.02808343	0.028723732	0.029378633	0.030048466	0.030733571	0.031434296	0.032150998
Proj00012-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00012-3UG-PAS									
Proj00012-3UG-PAS	0.011280179	0.011537367	0.011800419	0.012069469	0.012344653	0.012626111	0.012913986	0.013208425	0.013509577
Proj00012-3UG-PAS	-0.934056055	-0.955352533	-0.97713457	-0.999413239	-1.02219986	-1.045506017	-1.069343554	-1.093724587	-1.118661508
Proj00012-3UG-UGAS	1.410515361	1.442675111	1.475568104	1.509211057	1.543621069	1.578815629	1.614812625	1.651630353	1.689287525
Proj00012-3UG-UGAS									
Proj00012-3UG-UGAS	0.003807769	0.003894586	0.003983382	0.004074203	0.004167095	0.004262105	0.004359281	0.004458673	0.00456033
Proj00012-3UG-UGAS	-0.934056055	-0.955352533	-0.97713457	-0.999413239	-1.02219986	-1.045506017	-1.069343554	-1.093724587	-1.118661508
Proj00013-3UG-ALT1									
Proj00013-3UG-ALT1	0.042731106	0.043705375	0.044701858	0.04572106	0.046763501	0.047829708	0.048920226	0.050035607	0.051176419
Proj00013-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00013-3UG-PAS									
Proj00013-3UG-PAS	0.007425901	0.007595212	0.007768382	0.007945502	0.008126659	0.008311947	0.008501459	0.008695292	0.008893545
Proj00013-3UG-PAS	-1.600644464	-1.637139158	-1.674465931	-1.712643754	-1.751692032	-1.79163061	-1.832479788	-1.874260327	-1.916993462
Proj00013-3UG-UGAS	1.900883291	1.94422343	1.988551724	2.033890704	2.080263412	2.127693418	2.176204827	2.225822298	2.276571046
Proj00013-3UG-UGAS									
Proj00013-3UG-UGAS	0.00737055	0.007538598	0.007710478	0.007886277	0.008066084	0.008249991	0.008438091	0.008630479	0.008827254
Proj00013-3UG-UGAS	-1.600644464	-1.637139158	-1.674465931	-1.712643754	-1.751692032	-1.79163061	-1.832479788	-1.874260327	-1.916993462
Proj00014-3UG-ALT1									
Proj00014-3UG-ALT1	0.006974265	0.007133278	0.007295917	0.007462264	0.007632403	0.007806422	0.007984409	0.008166453	0.008352648
Proj00014-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00014-3UG-PAS									
Proj00014-3UG-PAS	0.000881948	0.000902057	0.000922624	0.000943659	0.000965175	0.000987181	0.001009689	0.001032709	0.001056255
Proj00014-3UG-PAS	-0.387041229	-0.395865769	-0.404891508	-0.414123035	-0.42356504	-0.433222323	-0.443099792	-0.453202467	-0.463535483
Proj00014-3UG-UGAS	0.448401331	0.458624881	0.469081529	0.479776587	0.490715494	0.501903807	0.513347214	0.52505153	0.537022705
Proj00014-3UG-UGAS									
Proj00014-3UG-UGAS	0.000881948	0.000902057	0.000922624	0.000943659	0.000965175	0.000987181	0.001009689	0.001032709	0.001056255
Proj00014-3UG-UGAS	-0.387041229	-0.395865769	-0.404891508	-0.414123035	-0.42356504	-0.433222323	-0.443099792	-0.453202467	-0.463535483
Proj00015-3UG-ALT1									
Proj00015-3UG-ALT1	0.126311408	0.129191308	0.132136869	0.13514959	0.138231001	0.141382668	0.144606192	0.147903214	0.151275407
Proj00015-3UG-ALT1	-0.064113522	-0.06557531	-0.067070427	-0.068599633	-0.070163704	-0.071763437	-0.073399643	-0.075073155	-0.076784823
Proj00015-3UG-PAS									
Proj00015-3UG-PAS	0.037409716	0.038262658	0.039135046	0.040027325	0.040939948	0.041873379	0.042828092	0.043804573	0.044803317
Proj00015-3UG-PAS	-2.165022564	-2.214385078	-2.264873058	-2.316512164	-2.369328641	-2.423349334	-2.478601699	-2.535113818	-2.592914413
Proj00015-3UG-UGAS	3.175981974	3.248394363	3.322457754	3.398209791	3.475688974	3.554934683	3.635987193	3.718887701	3.803678341
Proj00015-3UG-UGAS									
Proj00015-3UG-UGAS	0.01659767	0.016976097	0.017363152	0.017759032	0.018163938	0.018578076	0.019001656	0.019434893	0.019878009
Proj00015-3UG-UGAS	-2.165022564	-2.214385078	-2.264873058	-2.316512164	-2.369328641	-2.423349334	-2.478601699	-2.535113818	-2.592914413
Proj00016-3UG-ALT1									

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

rru_id	annual_costs_in_year_32	annual_costs_in_year_33	annual_costs_in_year_34	annual_costs_in_year_35	annual_costs_in_year_36	annual_costs_in_year_37	annual_costs_in_year_38	annual_costs_in_year_39	annual_costs_in_year_40
Proj00016-3UG-ALT1	0.142252531	0.145495888	0.148813195	0.152206135	0.155676435	0.159225858	0.162856208	0.166569329	0.17036711
Proj00016-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00016-3UG-PAS									
Proj00016-3UG-PAS	0.13598636	0.139086849	0.142258029	0.145501512	0.148818947	0.152212019	0.155682453	0.159232013	0.162862503
Proj00016-3UG-PAS	-0.143269035	-0.146535569	-0.14987658	-0.153293766	-0.156788863	-0.16036365	-0.164019941	-0.167759595	-0.171584514
Proj00016-3UG-UGAS	3.324740651	3.400544737	3.478077158	3.557377317	3.63848552	3.721442989	3.80629189	3.893075345	3.981837462
Proj00016-3UG-UGAS									
Proj00016-3UG-UGAS	0.001482995	0.001516807	0.00155139	0.001586762	0.00162294	0.001659943	0.00169779	0.001736499	0.001776092
Proj00016-3UG-UGAS	-0.143269035	-0.146535569	-0.14987658	-0.153293766	-0.156788863	-0.16036365	-0.164019941	-0.167759595	-0.171584514
Proj00017-3UG-ALT1									
Proj00017-3UG-ALT1	0.040129591	0.041044545	0.041980361	0.042937513	0.043916488	0.044917784	0.04594191	0.046989385	0.048060743
Proj00017-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00017-3UG-PAS									
Proj00017-3UG-PAS	0.02652954	0.027134414	0.027753078	0.028385849	0.029033046	0.029694999	0.030372045	0.031064528	0.031772799
Proj00017-3UG-PAS	-0.678591807	-0.694063701	-0.709888353	-0.726073807	-0.74262829	-0.759560215	-0.776878188	-0.794591011	-0.812707686
Proj00017-3UG-UGAS	2.031107885	2.077417145	2.124782255	2.173227291	2.222776873	2.273456186	2.325290987	2.378307621	2.432533035
Proj00017-3UG-UGAS									
Proj00017-3UG-UGAS	0.002617839	0.002677526	0.002738574	0.002801013	0.002864876	0.002930196	0.002997004	0.003065336	0.003135225
Proj00017-3UG-UGAS	-0.678591807	-0.694063701	-0.709888353	-0.726073807	-0.74262829	-0.759560215	-0.776878188	-0.794591011	-0.812707686
Proj00018-3UG-ALT1									
Proj00018-3UG-ALT1	0.013007519	0.01330409	0.013607423	0.013917673	0.014234996	0.014559554	0.014891511	0.015231038	0.015578306
Proj00018-3UG-ALT1	-0.006018303	-0.00615552	-0.006295866	-0.006439412	-0.006586231	-0.006736397	-0.006889986	-0.007047078	-0.007207752
Proj00018-3UG-PAS									
Proj00018-3UG-PAS	0.001721894	0.001761153	0.001801307	0.001842377	0.001884383	0.001927347	0.001971291	0.002016236	0.002062206
Proj00018-3UG-PAS	-0.560838949	-0.573626077	-0.586704752	-0.60008162	-0.613763481	-0.627757289	-0.642070155	-0.656709354	-0.671682328
Proj00018-3UG-UGAS	0.756620182	0.773871123	0.791515384	0.809561935	0.828019947	0.846898802	0.866208095	0.885957639	0.906157473
Proj00018-3UG-UGAS									
Proj00018-3UG-UGAS	0.001721894	0.001761153	0.001801307	0.001842377	0.001884383	0.001927347	0.001971291	0.002016236	0.002062206
Proj00018-3UG-UGAS	-0.560838949	-0.573626077	-0.586704752	-0.60008162	-0.613763481	-0.627757289	-0.642070155	-0.656709354	-0.671682328
Proj00019-3UG-ALT1									
Proj00019-3UG-ALT1	0.047214563	0.048291055	0.049392091	0.05051823	0.051670046	0.052848123	0.05405306	0.05528547	0.056545979
Proj00019-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00019-3UG-PAS									
Proj00019-3UG-PAS	0.007853522	0.008032583	0.008215725	0.008403044	0.008594633	0.008790591	0.008991016	0.009196012	0.009405681
Proj00019-3UG-PAS	-2.202321247	-2.252534171	-2.30389195	-2.356420687	-2.410147078	-2.465098432	-2.521302676	-2.578788377	-2.637584752
Proj00019-3UG-UGAS	2.616983092	2.676650306	2.737677933	2.80009699	2.863939201	2.929237015	2.996023619	3.064332957	3.134199749
Proj00019-3UG-UGAS									
Proj00019-3UG-UGAS	0.007853522	0.008032583	0.008215725	0.008403044	0.008594633	0.008790591	0.008991016	0.009196012	0.009405681
Proj00019-3UG-UGAS	-2.202321247	-2.252534171	-2.30389195	-2.356420687	-2.410147078	-2.465098432	-2.521302676	-2.578788377	-2.637584752
Proj00020-3UG-ALT1									
Proj00020-3UG-ALT1	0.0271221	0.027740484	0.028372967	0.02901987	0.029681523	0.030358262	0.03105043	0.03175838	0.032482471
Proj00020-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00020-3UG-PAS									
Proj00020-3UG-PAS	0.003842769	0.003930384	0.004019997	0.004111653	0.004205398	0.004301281	0.004399351	0.004499656	0.004602248
Proj00020-3UG-PAS	-1.901395874	-1.9447477	-1.989087948	-2.034439153	-2.080824366	-2.128267161	-2.176791652	-2.226422502	-2.277184935
Proj00020-3UG-UGAS	2.090740911	2.138409804	2.187165547	2.237032922	2.288037272	2.340204522	2.393561185	2.44813438	2.503951844
Proj00020-3UG-UGAS									
Proj00020-3UG-UGAS	0.003842769	0.003930384	0.004019997	0.004111653	0.004205398	0.004301281	0.004399351	0.004499656	0.004602248
Proj00020-3UG-UGAS	-1.901395874	-1.9447477	-1.989087948	-2.034439153	-2.080824366	-2.128267161	-2.176791652	-2.226422502	-2.277184935
Proj00021-3UG-ALT1									
Proj00021-3UG-ALT1	0.11064701	0.113169762	0.115750033	0.118389133	0.121088406	0.123849221	0.126672984	0.129561128	0.132515121
Proj00021-3UG-ALT1	-0.024340808	-0.024895779	-0.025463403	-0.026043968	-0.026637771	-0.027245112	-0.0278663	-0.028501652	-0.02915149
Proj00021-3UG-PAS									
Proj00021-3UG-PAS	0.016379002	0.016752443	0.017134399	0.017525063	0.017924634	0.018333316	0.018751316	0.019178846	0.019616123
Proj00021-3UG-PAS	-2.79515952	-2.858889157	-2.92407183	-2.990740667	-3.058929555	-3.128673149	-3.200006896	-3.272967054	-3.347590702
Proj00021-3UG-UGAS	3.268415606	3.342935482	3.419154411	3.497111131	3.576845265	3.658397337	3.741808796	3.827122037	3.914380419
Proj00021-3UG-UGAS									
Proj00021-3UG-UGAS	0.016379002	0.016752443	0.017134399	0.017525063	0.017924634	0.018333316	0.018751316	0.019178846	0.019616123
Proj00021-3UG-UGAS	-2.79515952	-2.858889157	-2.92407183	-2.990740667	-3.058929555	-3.128673149	-3.200006896	-3.272967054	-3.347590702
Proj00022-3UG-ALT1									
Proj00022-3UG-ALT1	0.013339635	0.013643779	0.013954857	0.014273027	0.014598453	0.014931297	0.015271731	0.015619926	0.015976061
Proj00022-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00022-3UG-PAS									
Proj00022-3UG-PAS	0.01198579	0.012259066	0.012538573	0.012824452	0.01311685	0.013415914	0.013721797	0.014034654	0.014354644
Proj00022-3UG-PAS	-0.028357676	-0.029004231	-0.029665528	-0.030341902	-0.031033697	-0.031741265	-0.032464966	-0.033205167	-0.033962245
Proj00022-3UG-UGAS	0.309542242	0.316599805	0.32381828	0.331201337	0.338752728	0.34647629	0.354375949	0.362455721	0.370719711
Proj00022-3UG-UGAS									
Proj00022-3UG-UGAS	0.000195988	0.000200457	0.000205027	0.000209702	0.000214483	0.000219373	0.000224375	0.00022949	0.000234723
Proj00022-3UG-UGAS	-0.028357676	-0.029004231	-0.029665528	-0.030341902	-0.031033697	-0.031741265	-0.032464966	-0.033205167	-0.033962245
Proj00023-3UG-ALT1									
Proj00023-3UG-ALT1	0.136772783	0.139891203	0.143080722	0.146342962	0.149679582	0.153092276	0.15658278	0.160152868	0.163804353
Proj00023-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00023-3UG-PAS									
Proj00023-3UG-PAS	0.024485601	0.025043873	0.025614874	0.026198893	0.026796227	0.027407181	0.028032065	0.028671196	0.029324899
Proj00023-3UG-PAS	-6.155091698	-6.295427789	-6.438963542	-6.585771911	-6.735927511	-6.889506658	-7.04658741	-7.207249603	-7.371574893
Proj00023-3UG-UGAS	6.731217839	6.884689606	7.041660529	7.202210389	7.366420786	7.53437518	7.706158934	7.881859358	8.061565751
Proj00023-3UG-UGAS									
Proj00023-3UG-UGAS	0.023378578	0.023911609	0.024456794	0.025014409	0.025584737	0.026168069	0.026764701	0.027374937	0.027999085
Proj00023-3UG-UGAS	-6.155091698	-6.295427789	-6.438963542	-6.585771911	-6.735927511	-6.889506658	-7.04658741	-7.207249603	-7.371574893
Proj00024-3UG-ALT1									
Proj00024-3UG-ALT1	0.006310038	0.006453907	0.006601056	0.00675156	0.006905496	0.007062941	0.007223976	0.007388683	0.007557145

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

rru_id	annual_costs_in_year_32	annual_costs_in_year_33	annual_costs_in_year_34	annual_costs_in_year_35	annual_costs_in_year_36	annual_costs_in_year_37	annual_costs_in_year_38	annual_costs_in_year_39	annual_costs_in_year_40
Proj00024-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00024-3UG-PAS									
Proj00024-3UG-PAS	0.000860948	0.000880578	0.000900655	0.00092119	0.000942193	0.000963675	0.000985647	0.001008119	0.001031104
Proj00024-3UG-PAS	-0.438948506	-0.448956532	-0.459192741	-0.469662336	-0.480370637	-0.491323087	-0.502525254	-0.51398283	-0.525701638
Proj00024-3UG-UGAS	0.492205762	0.503428054	0.514906214	0.526646075	0.538653606	0.550934908	0.563496224	0.576343938	0.589484579
Proj00024-3UG-UGAS									
Proj00024-3UG-UGAS	0.000860948	0.000880578	0.000900655	0.00092119	0.000942193	0.000963675	0.000985647	0.001008119	0.001031104
Proj00024-3UG-UGAS	-0.438948506	-0.448956532	-0.459192741	-0.469662336	-0.480370637	-0.491323087	-0.502525254	-0.51398283	-0.525701638
Proj00025-3UG-ALT1									
Proj00025-3UG-ALT1	0.015719752	0.016078162	0.016444744	0.016819685	0.017203173	0.017595406	0.017996581	0.018406903	0.01882658
Proj00025-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00025-3UG-PAS									
Proj00025-3UG-PAS	0.00250585	0.002562983	0.002621419	0.002681188	0.002742319	0.002804844	0.002868794	0.002934203	0.003001102
Proj00025-3UG-PAS	-0.936980748	-0.958343909	-0.98019415	-1.002542577	-1.025400548	-1.04877968	-1.072691857	-1.097149231	-1.122164234
Proj00025-3UG-UGAS	1.075149156	1.099662557	1.124734863	1.150378818	1.176607455	1.203434105	1.230872402	1.258936293	1.287640041
Proj00025-3UG-UGAS									
Proj00025-3UG-UGAS	0.00250585	0.002562983	0.002621419	0.002681188	0.002742319	0.002804844	0.002868794	0.002934203	0.003001102
Proj00025-3UG-UGAS	-0.936980748	-0.958343909	-0.98019415	-1.002542577	-1.025400548	-1.04877968	-1.072691857	-1.097149231	-1.122164234
Proj00026-3UG-ALT1									
Proj00026-3UG-ALT1	0.01876404	0.01919186	0.019629435	0.020076986	0.020534741	0.021002933	0.0214818	0.021971585	0.022472537
Proj00026-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00026-3UG-PAS									
Proj00026-3UG-PAS	0.002302858	0.002355364	0.002409066	0.002463993	0.002520172	0.002577632	0.002636402	0.002696511	0.002757992
Proj00026-3UG-PAS	-1.313166844	-1.343107048	-1.373729889	-1.40505093	-1.437086091	-1.469851654	-1.503364272	-1.537640977	-1.572699192
Proj00026-3UG-UGAS	1.441123081	1.473980688	1.507587447	1.541960441	1.577117139	1.61307541	1.649853529	1.68747019	1.72594451
Proj00026-3UG-UGAS									
Proj00026-3UG-UGAS	0.002302858	0.002355364	0.002409066	0.002463993	0.002520172	0.002577632	0.002636402	0.002696511	0.002757992
Proj00026-3UG-UGAS	-1.313166844	-1.343107048	-1.373729889	-1.40505093	-1.437086091	-1.469851654	-1.503364272	-1.537640977	-1.572699192
Proj00027-3UG-ALT1									
Proj00027-3UG-ALT1	0.007306344	0.007472928	0.007643311	0.007817578	0.007995819	0.008178124	0.008364585	0.008555298	0.008750358
Proj00027-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00027-3UG-PAS									
Proj00027-3UG-PAS	0.000916943	0.000937849	0.000959232	0.000981102	0.001003471	0.001026351	0.001049751	0.001073686	0.001098166
Proj00027-3UG-PAS	-0.428767509	-0.438543408	-0.448542198	-0.45876896	-0.469228892	-0.479927311	-0.490869654	-0.502061482	-0.513508484
Proj00027-3UG-UGAS	0.467572505	0.478233158	0.489136874	0.500289195	0.511695788	0.523362452	0.535295116	0.547499845	0.559982842
Proj00027-3UG-UGAS									
Proj00027-3UG-UGAS	0.000916943	0.000937849	0.000959232	0.000981102	0.001003471	0.001026351	0.001049751	0.001073686	0.001098166
Proj00027-3UG-UGAS	-0.428767509	-0.438543408	-0.448542198	-0.45876896	-0.469228892	-0.479927311	-0.490869654	-0.502061482	-0.513508484
Proj00028-3UG-ALT1									
Proj00028-3UG-ALT1	0.017712384	0.018116226	0.018529276	0.018951743	0.019383843	0.019825795	0.020277823	0.020740157	0.021213033
Proj00028-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00028-3UG-PAS									
Proj00028-3UG-PAS	0.005060194	0.005175566	0.005293569	0.005414262	0.005537708	0.005663967	0.005793106	0.005925189	0.006060283
Proj00028-3UG-PAS	-1.13718074	-1.163108461	-1.189627334	-1.216750837	-1.244492756	-1.272867191	-1.301888563	-1.331571622	-1.361931455
Proj00028-3UG-UGAS	1.512545451	1.547031487	1.582303805	1.618380332	1.655279403	1.693019774	1.731620625	1.771101575	1.811482691
Proj00028-3UG-UGAS									
Proj00028-3UG-UGAS	0.002015878	0.00206184	0.00210885	0.002156932	0.00220611	0.002256409	0.002307855	0.002360474	0.002414293
Proj00028-3UG-UGAS	-1.13718074	-1.163108461	-1.189627334	-1.216750837	-1.244492756	-1.272867191	-1.301888563	-1.331571622	-1.361931455

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

rru_id	annual_costs_in_year_41	annual_costs_in_year_42	annual_costs_in_year_43	annual_costs_in_year_44	annual_costs_in_year_45	annual_costs_in_year_46	annual_costs_in_year_47	annual_costs_in_year_48	annual_costs_in_year_49
Proj00001-3UG-ALT1									
Proj00001-3UG-ALT1	0.020679631	0.021151127	0.021633372	0.022126613	0.0226311	0.023147089	0.023674843	0.024214629	0.024766723
Proj00001-3UG-ALT1	-0.084104674	-0.086022261	-0.087983568	-0.089989594	-0.092041356	-0.094139899	-0.096286289	-0.098481616	-0.100726997
Proj00001-3UG-PAS									
Proj00001-3UG-PAS	0.003112392	0.003183354	0.003255935	0.00333017	0.003406098	0.003483757	0.003563187	0.003644427	0.00372752
Proj00001-3UG-PAS	-2.749715647	-2.812409164	-2.876532093	-2.942117024	-3.009197292	-3.077806991	-3.14798099	-3.219754957	-3.29316537
Proj00001-3UG-UGAS	2.930552608	2.997369207	3.065709225	3.135607395	3.207099244	3.280221107	3.355010148	3.431504379	3.509742679
Proj00001-3UG-UGAS									
Proj00001-3UG-UGAS	0.003112392	0.003183354	0.003255935	0.00333017	0.003406098	0.003483757	0.003563187	0.003644427	0.00372752
Proj00001-3UG-UGAS	-2.749715647	-2.812409164	-2.876532093	-2.942117024	-3.009197292	-3.077806991	-3.14798099	-3.219754957	-3.29316537
Proj00002-3UG-ALT1									
Proj00002-3UG-ALT1	0.017425134	0.017822427	0.018228778	0.018644394	0.019069486	0.019504271	0.019948968	0.020403805	0.020869011
Proj00002-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00002-3UG-PAS									
Proj00002-3UG-PAS	0.002500246	0.002557252	0.002615557	0.002675192	0.002736186	0.002798571	0.002862379	0.002927641	0.002994391
Proj00002-3UG-PAS	-0.663841439	-0.678977024	-0.6944577	-0.710291336	-0.726485978	-0.743049859	-0.759991395	-0.777319199	-0.795042077
Proj00002-3UG-UGAS	1.327704554	1.357976218	1.388938076	1.420605864	1.452995678	1.486123979	1.520007606	1.554663779	1.590110113
Proj00002-3UG-UGAS									
Proj00002-3UG-UGAS	0.002500246	0.002557252	0.002615557	0.002675192	0.002736186	0.002798571	0.002862379	0.002927641	0.002994391
Proj00002-3UG-UGAS	-0.663841439	-0.678977024	-0.6944577	-0.710291336	-0.726485978	-0.743049859	-0.759991395	-0.777319199	-0.795042077
Proj00003-3UG-ALT1									
Proj00003-3UG-ALT1	0.056614791	0.057905608	0.059225856	0.060576205	0.061957343	0.06336997	0.064814805	0.066292583	0.067804054
Proj00003-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00003-3UG-PAS									
Proj00003-3UG-PAS	0.009877353	0.010102557	0.010332895	0.010568485	0.010809447	0.011055902	0.011307977	0.011565799	0.011829499
Proj00003-3UG-PAS	-3.300630198	-3.375884566	-3.452854734	-3.531579822	-3.612099842	-3.694455719	-3.778689309	-3.864843425	-3.952961855
Proj00003-3UG-UGAS	3.792148211	3.87860919	3.96704148	4.057490026	4.150000798	4.244620816	4.341398171	4.440382049	4.54162276
Proj00003-3UG-UGAS									
Proj00003-3UG-UGAS	0.009877353	0.010102557	0.010332895	0.010568485	0.010809447	0.011055902	0.011307977	0.011565799	0.011829499
Proj00003-3UG-UGAS	-3.300630198	-3.375884566	-3.452854734	-3.531579822	-3.612099842	-3.694455719	-3.778689309	-3.864843425	-3.952961855
Proj00004-3UG-ALT1									
Proj00004-3UG-ALT1	0.002915478	0.002981951	0.003049939	0.003119478	0.003190602	0.003263348	0.003337752	0.003413853	0.003491689
Proj00004-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00004-3UG-PAS									
Proj00004-3UG-PAS	0.000411554	0.000420938	0.000430535	0.000440351	0.000450391	0.00046066	0.000471163	0.000481906	0.000492893
Proj00004-3UG-PAS	-0.118365967	-0.121064711	-0.123824986	-0.126648196	-0.129535775	-0.13248919	-0.135509944	-0.138599571	-0.141759641
Proj00004-3UG-UGAS	0.133798599	0.136849207	0.139969369	0.14316067	0.146424734	0.149763217	0.153177819	0.156670273	0.160242355
Proj00004-3UG-UGAS									
Proj00004-3UG-UGAS	0.000411554	0.000420938	0.000430535	0.000440351	0.000450391	0.00046066	0.000471163	0.000481906	0.000492893
Proj00004-3UG-UGAS	-0.118365967	-0.121064711	-0.123824986	-0.126648196	-0.129535775	-0.13248919	-0.135509944	-0.138599571	-0.141759641
Proj00005-3UG-ALT1									
Proj00005-3UG-ALT1	0.038443794	0.039320313	0.040216816	0.041133759	0.042071609	0.043030842	0.044011945	0.045015417	0.046041769
Proj00005-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00005-3UG-PAS									
Proj00005-3UG-PAS	0.005650323	0.00577915	0.005910915	0.006045684	0.006183526	0.00632451	0.006468709	0.006616195	0.006767045
Proj00005-3UG-PAS	-3.024195069	-3.093146717	-3.163670462	-3.235802149	-3.309578438	-3.385036826	-3.462215666	-3.541154183	-3.621892498
Proj00005-3UG-UGAS	3.172530996	3.244864703	3.318847618	3.394517344	3.471912339	3.551071941	3.632036381	3.71484681	3.799545318
Proj00005-3UG-UGAS									
Proj00005-3UG-UGAS	0.005650323	0.00577915	0.005910915	0.006045684	0.006183526	0.00632451	0.006468709	0.006616195	0.006767045
Proj00005-3UG-UGAS	-3.024195069	-3.093146717	-3.163670462	-3.235802149	-3.309578438	-3.385036826	-3.462215666	-3.541154183	-3.621892498
Proj00006-3UG-ALT1									
Proj00006-3UG-ALT1	0.00833965	0.008529794	0.008724273	0.008923186	0.009126635	0.009334722	0.009547554	0.009765238	0.009987886
Proj00006-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00006-3UG-PAS									
Proj00006-3UG-PAS	0.004158606	0.004253422	0.0043504	0.004449589	0.00455104	0.004654804	0.004760933	0.004869483	0.004980507
Proj00006-3UG-PAS	-0.181846127	-0.185992218	-0.190232841	-0.19457015	-0.199006349	-0.203543694	-0.20818449	-0.212931096	-0.217785925
Proj00006-3UG-UGAS	0.351980935	0.3600061	0.368214239	0.376609524	0.385196221	0.393978695	0.402961409	0.412148929	0.421545925
Proj00006-3UG-UGAS									
Proj00006-3UG-UGAS	0.000497296	0.000508635	0.000520232	0.000532093	0.000544225	0.000556633	0.000569324	0.000582305	0.000595581
Proj00006-3UG-UGAS	-0.181846127	-0.185992218	-0.190232841	-0.19457015	-0.199006349	-0.203543694	-0.20818449	-0.212931096	-0.217785925
Proj00007-3UG-ALT1									
Proj00007-3UG-ALT1	0.05552998	0.056796064	0.058091014	0.059415489	0.060770163	0.062155722	0.063572873	0.065022334	0.066504843
Proj00007-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00007-3UG-PAS									
Proj00007-3UG-PAS	0.048582356	0.049690034	0.050822967	0.051981731	0.053166914	0.05437912	0.055618964	0.056887076	0.058184101
Proj00007-3UG-PAS	-0.1541215	-0.15763547	-0.161229559	-0.164905593	-0.16866544	-0.172511012	-0.176444263	-0.180467192	-0.184581844
Proj00007-3UG-UGAS	1.425228263	1.457723467	1.490959562	1.52495344	1.559722379	1.595284049	1.631656525	1.668858294	1.706908263
Proj00007-3UG-UGAS									
Proj00007-3UG-UGAS	0.000917428	0.000938346	0.00095974	0.000981622	0.001004003	0.001026894	0.001050307	0.001074254	0.001098747
Proj00007-3UG-UGAS	-0.1541215	-0.15763547	-0.161229559	-0.164905593	-0.16866544	-0.172511012	-0.176444263	-0.180467192	-0.184581844

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

rru_id	annual_costs_in_year_41	annual_costs_in_year_42	annual_costs_in_year_43	annual_costs_in_year_44	annual_costs_in_year_45	annual_costs_in_year_46	annual_costs_in_year_47	annual_costs_in_year_48	annual_costs_in_year_49
Proj00008-3UG-ALT1									
Proj00008-3UG-ALT1	0.126586613	0.129472788	0.132424768	0.135444052	0.138532177	0.14169071	0.144921258	0.148225463	0.151605004
Proj00008-3UG-ALT1	-0.052693018	-0.053894419	-0.055123212	-0.056380021	-0.057665485	-0.058980258	-0.060325008	-0.061700419	-0.063107188
Proj00008-3UG-PAS									
Proj00008-3UG-PAS	0.079972901	0.081796283	0.083661238	0.085568714	0.087519681	0.08951513	0.091556075	0.093643553	0.095778626
Proj00008-3UG-PAS	-0.724216964	-0.74072911	-0.757617734	-0.774891418	-0.792558943	-0.810629287	-0.829111634	-0.84801538	-0.86735013
Proj00008-3UG-UGAS	2.34034692	2.39370683	2.448283345	2.504104206	2.561197781	2.619593091	2.679319813	2.740408305	2.802889614
Proj00008-3UG-UGAS									
Proj00008-3UG-UGAS	0.01278097	0.013072377	0.013370427	0.013675272	0.013987069	0.014305974	0.01463215	0.014965763	0.015306982
Proj00008-3UG-UGAS	-0.724216964	-0.74072911	-0.757617734	-0.774891418	-0.792558943	-0.810629287	-0.829111634	-0.84801538	-0.86735013
Proj00009-3UG-ALT1									
Proj00009-3UG-ALT1	0.047393677	0.048474253	0.049579466	0.050709878	0.051866063	0.053048609	0.054258118	0.055495203	0.056760493
Proj00009-3UG-ALT1	-0.027573749	-0.02820243	-0.028845446	-0.029503122	-0.030175793	-0.030863801	-0.031567496	-0.032287235	-0.033023384
Proj00009-3UG-PAS									
Proj00009-3UG-PAS	0.010569779	0.01081077	0.011057256	0.011309361	0.011567215	0.011830947	0.012100693	0.012376589	0.012658775
Proj00009-3UG-PAS	-2.640835294	-2.701046338	-2.762630195	-2.825618163	-2.890042257	-2.955935221	-3.023330544	-3.09226248	-3.162766065
Proj00009-3UG-UGAS	3.240577276	3.314462437	3.390032181	3.467324915	3.546379923	3.627237385	3.709938397	3.794524993	3.881040163
Proj00009-3UG-UGAS									
Proj00009-3UG-UGAS	0.007450882	0.007620762	0.007794516	0.00797223	0.008153997	0.008339908	0.008530058	0.008724544	0.008923463
Proj00009-3UG-UGAS	-2.640835294	-2.701046338	-2.762630195	-2.825618163	-2.890042257	-2.955935221	-3.023330544	-3.09226248	-3.162766065
Proj00010-3UG-ALT1									
Proj00010-3UG-ALT1	0.053021244	0.054230128	0.055466575	0.056731213	0.058024685	0.059347648	0.060700774	0.062084752	0.063500284
Proj00010-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00010-3UG-PAS									
Proj00010-3UG-PAS	0.014578553	0.014910944	0.015250914	0.015598635	0.015954284	0.016318041	0.016690093	0.017070627	0.017459837
Proj00010-3UG-PAS	-0.951022958	-0.972706282	-0.994883985	-1.01756734	-1.040767875	-1.064497383	-1.088767923	-1.113591832	-1.138981725
Proj00010-3UG-UGAS	1.486759381	1.520657494	1.555328485	1.590789975	1.627059986	1.664156954	1.702099732	1.740907606	1.7806003
Proj00010-3UG-UGAS									
Proj00010-3UG-UGAS	0.006713509	0.006866577	0.007023135	0.007183263	0.007347041	0.007514554	0.007685886	0.007861124	0.008040357
Proj00010-3UG-UGAS	-0.951022958	-0.972706282	-0.994883985	-1.01756734	-1.040767875	-1.064497383	-1.088767923	-1.113591832	-1.138981725
Proj00011-3UG-ALT1									
Proj00011-3UG-ALT1	0.032612823	0.033356395	0.034116921	0.034894787	0.035690388	0.036504129	0.037336423	0.038187694	0.039058373
Proj00011-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00011-3UG-PAS									
Proj00011-3UG-PAS	0.005135879	0.005252978	0.005372745	0.005495244	0.005620536	0.005748684	0.005879754	0.006013812	0.006150927
Proj00011-3UG-PAS	-2.230277804	-2.281128138	-2.333137859	-2.386333403	-2.440741804	-2.496390717	-2.553308426	-2.611523858	-2.671066602
Proj00011-3UG-UGAS	4.579823663	4.684243642	4.791044397	4.90028021	5.012006598	5.126280349	5.243159541	5.362703578	5.48497322
Proj00011-3UG-UGAS									
Proj00011-3UG-UGAS	0.005135879	0.005252978	0.005372745	0.005495244	0.005620536	0.005748684	0.005879754	0.006013812	0.006150927
Proj00011-3UG-UGAS	-2.230277804	-2.281128138	-2.333137859	-2.386333403	-2.440741804	-2.496390717	-2.553308426	-2.611523858	-2.671066602
Proj00012-3UG-ALT1									
Proj00012-3UG-ALT1	0.032884041	0.033633797	0.034400648	0.035184982	0.0359872	0.036807708	0.037646924	0.038505274	0.039383194
Proj00012-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00012-3UG-PAS									
Proj00012-3UG-PAS	0.013817596	0.014132637	0.014454861	0.014784432	0.015121517	0.015466287	0.015818919	0.01617959	0.016548485
Proj00012-3UG-PAS	-1.14416699	-1.170253998	-1.196935789	-1.224225925	-1.252138276	-1.280687029	-1.309886693	-1.33975211	-1.370298458
Proj00012-3UG-UGAS	1.727803281	1.767197196	1.807489292	1.848700048	1.890850409	1.933961798	1.978056127	2.023155807	2.069283759
Proj00012-3UG-UGAS									
Proj00012-3UG-UGAS	0.004664306	0.004770652	0.004879423	0.004990674	0.005104461	0.005220843	0.005339878	0.005461627	0.005586152
Proj00012-3UG-UGAS	-1.14416699	-1.170253998	-1.196935789	-1.224225925	-1.252138276	-1.280687029	-1.309886693	-1.33975211	-1.370298458
Proj00013-3UG-ALT1									
Proj00013-3UG-ALT1	0.052343241	0.053536667	0.054757303	0.05600577	0.057282701	0.058588747	0.05992457	0.06129085	0.062688282
Proj00013-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00013-3UG-PAS									
Proj00013-3UG-PAS	0.009096318	0.009303714	0.009515839	0.0097328	0.009954708	0.010181675	0.010413817	0.010651252	0.010894101
Proj00013-3UG-PAS	-1.960700913	-2.005404894	-2.051128126	-2.097893847	-2.145725827	-2.194648376	-2.244686359	-2.295865208	-2.348210934
Proj00013-3UG-UGAS	2.328476866	2.381566138	2.435865846	2.491403588	2.548207589	2.606306722	2.665730516	2.726509171	2.788673581
Proj00013-3UG-UGAS									
Proj00013-3UG-UGAS	0.009028516	0.009234366	0.00944491	0.009660253	0.009880507	0.010105783	0.010336195	0.01057186	0.010812898
Proj00013-3UG-UGAS	-1.960700913	-2.005404894	-2.051128126	-2.097893847	-2.145725827	-2.194648376	-2.244686359	-2.295865208	-2.348210934
Proj00014-3UG-ALT1									
Proj00014-3UG-ALT1	0.008543089	0.008737871	0.008937095	0.00914086	0.009349272	0.009562435	0.009780459	0.010003453	0.010231532
Proj00014-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00014-3UG-PAS									
Proj00014-3UG-PAS	0.001080338	0.00110497	0.001130163	0.001155931	0.001182286	0.001209242	0.001236813	0.001265012	0.001293854
Proj00014-3UG-PAS	-0.474104092	-0.484913666	-0.495969697	-0.507277806	-0.51884374	-0.530673378	-0.542772731	-0.555147949	-0.567805322
Proj00014-3UG-UGAS	0.549266823	0.561790106	0.574598921	0.587699776	0.601099331	0.614804396	0.628821936	0.643159076	0.657823103
Proj00014-3UG-UGAS									
Proj00014-3UG-UGAS	0.001080338	0.00110497	0.001130163	0.001155931	0.001182286	0.001209242	0.001236813	0.001265012	0.001293854
Proj00014-3UG-UGAS	-0.474104092	-0.484913666	-0.495969697	-0.507277806	-0.51884374	-0.530673378	-0.542772731	-0.555147949	-0.567805322
Proj00015-3UG-ALT1									
Proj00015-3UG-ALT1	0.154724486	0.158252204	0.161860355	0.165550771	0.169325328	0.173185946	0.177134585	0.181173254	0.185304004
Proj00015-3UG-ALT1	-0.078535517	-0.080326127	-0.082157562	-0.084030755	-0.085946656	-0.08790624	-0.089910502	-0.091960462	-0.09405716
Proj00015-3UG-PAS									
Proj00015-3UG-PAS	0.045824833	0.046869639	0.047938267	0.049031259	0.050149172	0.051292573	0.052462044	0.053658178	0.054881585
Proj00015-3UG-PAS	-2.652032861	-2.71249921	-2.774344192	-2.83759924	-2.902296503	-2.968468863	-3.036149953	-3.105374172	-3.176176703
Proj00015-3UG-UGAS	3.890402207	3.979103378	4.069826935	4.162618989	4.257526702	4.35459831	4.453883152	4.555431688	4.65929553
Proj00015-3UG-UGAS									
Proj00015-3UG-UGAS	0.020331228	0.02079478	0.021268901	0.021753832	0.022249819	0.022757115	0.023275977	0.023806669	0.024349461
Proj00015-3UG-UGAS	-2.652032861	-2.71249921	-2.774344192	-2.83759924	-2.902296503	-2.968468863	-3.036149953	-3.105374172	-3.176176703
Proj00016-3UG-ALT1									

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

rru_id	annual_costs_in_year_41	annual_costs_in_year_42	annual_costs_in_year_43	annual_costs_in_year_44	annual_costs_in_year_45	annual_costs_in_year_46	annual_costs_in_year_47	annual_costs_in_year_48	annual_costs_in_year_49
Proj00016-3UG-ALT1	0.17425148	0.178224414	0.18228793	0.186444095	0.19069502	0.195042867	0.199489844	0.204038213	0.208690284
Proj00016-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00016-3UG-PAS									
Proj00016-3UG-PAS	0.166575768	0.170373695	0.174258216	0.178231303	0.182294977	0.186451302	0.190702392	0.195050406	0.199497556
Proj00016-3UG-PAS	-0.175496641	-0.179497964	-0.183590518	-0.187776382	-0.192057683	-0.196436599	-0.200915353	-0.205496223	-0.210181537
Proj00016-3UG-UGAS	4.072623357	4.165479169	4.260452094	4.357590402	4.456943463	4.558561774	4.662496983	4.768801914	4.877530597
Proj00016-3UG-UGAS									
Proj00016-3UG-UGAS	0.001816587	0.001858005	0.001900367	0.001943696	0.001988012	0.002033339	0.002079699	0.002127116	0.002175614
Proj00016-3UG-UGAS	-0.175496641	-0.179497964	-0.183590518	-0.187776382	-0.192057683	-0.196436599	-0.200915353	-0.205496223	-0.210181537
Proj00017-3UG-ALT1									
Proj00017-3UG-ALT1	0.049156528	0.050277297	0.051423619	0.052596078	0.053795269	0.055021801	0.056276298	0.057559397	0.058871752
Proj00017-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00017-3UG-PAS									
Proj00017-3UG-PAS	0.032497219	0.033238156	0.033995986	0.034771094	0.035563875	0.036374731	0.037204075	0.038052328	0.038919921
Proj00017-3UG-PAS	-0.831237421	-0.850189634	-0.869573958	-0.889400244	-0.90967857	-0.930419241	-0.9516328	-0.973330028	-0.995521952
Proj00017-3UG-UGAS	2.487994788	2.544721069	2.60274071	2.662083198	2.722778695	2.784858049	2.848352813	2.913295257	2.979718389
Proj00017-3UG-UGAS									
Proj00017-3UG-UGAS	0.003206708	0.003279821	0.003354601	0.003431086	0.003509315	0.003589327	0.003671164	0.003754867	0.003840478
Proj00017-3UG-UGAS	-0.831237421	-0.850189634	-0.869573958	-0.889400244	-0.90967857	-0.930419241	-0.9516328	-0.973330028	-0.995521952
Proj00018-3UG-ALT1									
Proj00018-3UG-ALT1	0.015933491	0.016296774	0.016668341	0.017048379	0.017437082	0.017834648	0.018241278	0.018657179	0.019082562
Proj00018-3UG-ALT1	-0.007372088	-0.007540172	-0.007712088	-0.007887923	-0.008067768	-0.008251713	-0.008439852	-0.008632281	-0.008829097
Proj00018-3UG-PAS									
Proj00018-3UG-PAS	0.002109225	0.002157315	0.002206502	0.00225681	0.002308265	0.002360894	0.002414722	0.002469778	0.002526089
Proj00018-3UG-PAS	-0.686996685	-0.702660209	-0.718680862	-0.735066785	-0.751826308	-0.768967948	-0.786500417	-0.804432627	-0.822773691
Proj00018-3UG-UGAS	0.926817864	0.947949311	0.969562555	0.991668582	1.014278625	1.037404178	1.061056993	1.085249093	1.109992772
Proj00018-3UG-UGAS									
Proj00018-3UG-UGAS	0.002109225	0.002157315	0.002206502	0.00225681	0.002308265	0.002360894	0.002414722	0.002469778	0.002526089
Proj00018-3UG-UGAS	-0.686996685	-0.702660209	-0.718680862	-0.735066785	-0.751826308	-0.768967948	-0.786500417	-0.804432627	-0.822773691
Proj00019-3UG-ALT1									
Proj00019-3UG-ALT1	0.057835227	0.05915387	0.060502578	0.061882037	0.063292948	0.064736027	0.066212008	0.067721642	0.069265696
Proj00019-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00019-3UG-PAS									
Proj00019-3UG-PAS	0.00962013	0.009839469	0.010063809	0.010293264	0.01052795	0.010767988	0.011013498	0.011264606	0.011521439
Proj00019-3UG-PAS	-2.697721684	-2.759229739	-2.822140177	-2.886484973	-2.95229683	-3.019609198	-3.088456287	-3.158873091	-3.230895397
Proj00019-3UG-UGAS	3.205659503	3.27874854	3.353504007	3.429963898	3.508167075	3.588153284	3.669963179	3.753638339	3.839221294
Proj00019-3UG-UGAS									
Proj00019-3UG-UGAS	0.00962013	0.009839469	0.010063809	0.010293264	0.01052795	0.010767988	0.011013498	0.011264606	0.011521439
Proj00019-3UG-UGAS	-2.697721684	-2.759229739	-2.822140177	-2.886484973	-2.95229683	-3.019609198	-3.088456287	-3.158873091	-3.230895397
Proj00020-3UG-ALT1									
Proj00020-3UG-ALT1	0.033223072	0.033980558	0.034755314	0.035547736	0.036358224	0.037187192	0.038035059	0.038902259	0.03978923
Proj00020-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00020-3UG-PAS									
Proj00020-3UG-PAS	0.004707179	0.004814503	0.004924274	0.005036547	0.00515138	0.005268832	0.005388961	0.005511829	0.005637499
Proj00020-3UG-PAS	-2.329104752	-2.38220834	-2.43652269	-2.492075408	-2.548894727	-2.607009527	-2.666449344	-2.727244389	-2.789425561
Proj00020-3UG-UGAS	2.561041946	2.619433703	2.679156791	2.740241566	2.802719074	2.866621068	2.931980029	2.998829173	3.067202479
Proj00020-3UG-UGAS									
Proj00020-3UG-UGAS	0.004707179	0.004814503	0.004924274	0.005036547	0.00515138	0.005268832	0.005388961	0.005511829	0.005637499
Proj00020-3UG-UGAS	-2.329104752	-2.38220834	-2.43652269	-2.492075408	-2.548894727	-2.607009527	-2.666449344	-2.727244389	-2.789425561
Proj00021-3UG-ALT1									
Proj00021-3UG-ALT1	0.135536466	0.138626698	0.141787386	0.145020139	0.148326598	0.151708444	0.155167397	0.158705213	0.162323692
Proj00021-3UG-ALT1	-0.029816144	-0.030495952	-0.031191259	-0.03190242	-0.032629795	-0.033373755	-0.034134676	-0.034912947	-0.035708962
Proj00021-3UG-PAS									
Proj00021-3UG-PAS	0.020063371	0.020520816	0.02098869	0.021467233	0.021956685	0.022457298	0.022969324	0.023493025	0.024028666
Proj00021-3UG-PAS	-3.42391577	-3.50198105	-3.581826218	-3.663491856	-3.74701947	-3.832451514	-3.919831408	-4.009203564	-4.100613406
Proj00021-3UG-UGAS	4.003628293	4.094911018	4.188274989	4.283767659	4.381437561	4.481334338	4.583508761	4.68801276	4.794899451
Proj00021-3UG-UGAS									
Proj00021-3UG-UGAS	0.020063371	0.020520816	0.02098869	0.021467233	0.021956685	0.022457298	0.022969324	0.023493025	0.024028666
Proj00021-3UG-UGAS	-3.42391577	-3.50198105	-3.581826218	-3.663491856	-3.74701947	-3.832451514	-3.919831408	-4.009203564	-4.100613406
Proj00022-3UG-ALT1									
Proj00022-3UG-ALT1	0.016340315	0.016712874	0.017093927	0.017483669	0.017882297	0.018290013	0.018707025	0.019133546	0.01956979
Proj00022-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00022-3UG-PAS									
Proj00022-3UG-PAS	0.014681929	0.015016677	0.015359058	0.015709244	0.016067415	0.016433752	0.016808442	0.017191674	0.017583644
Proj00022-3UG-PAS	-0.034736584	-0.035528578	-0.03633863	-0.037167151	-0.038014562	-0.038881294	-0.039767787	-0.040674493	-0.041601871
Proj00022-3UG-UGAS	0.379172121	0.387817245	0.396659478	0.405703314	0.41495335	0.424414286	0.434090932	0.443988205	0.454111136
Proj00022-3UG-UGAS									
Proj00022-3UG-UGAS	0.000240075	0.000245548	0.000251147	0.000256873	0.00026273	0.00026872	0.000274847	0.000281113	0.000287523
Proj00022-3UG-UGAS	-0.034736584	-0.035528578	-0.03633863	-0.037167151	-0.038014562	-0.038881294	-0.039767787	-0.040674493	-0.041601871
Proj00023-3UG-ALT1									
Proj00023-3UG-ALT1	0.167539092	0.171358984	0.175265968	0.179262033	0.183349207	0.187529569	0.191805243	0.196178403	0.20065127
Proj00023-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00023-3UG-PAS									
Proj00023-3UG-PAS	0.029993507	0.030677359	0.031376803	0.032092194	0.032823896	0.033572281	0.034337729	0.035120629	0.035921379
Proj00023-3UG-PAS	-7.539646801	-7.711550748	-7.887374105	-8.067206235	-8.251138537	-8.439264496	-8.631679726	-8.828482024	-9.029771414
Proj00023-3UG-UGAS	8.24536945	8.433363874	8.62564457	8.822309266	9.023457917	9.229192758	9.439618353	9.654841651	9.874972041
Proj00023-3UG-UGAS									
Proj00023-3UG-UGAS	0.028637464	0.029290399	0.02995822	0.030641267	0.031339888	0.032054437	0.032785279	0.033532783	0.03429733
Proj00023-3UG-UGAS	-7.539646801	-7.711550748	-7.887374105	-8.067206235	-8.251138537	-8.439264496	-8.631679726	-8.828482024	-9.029771414
Proj00024-3UG-ALT1									
Proj00024-3UG-ALT1	0.007729448	0.007905679	0.008085928	0.008270288	0.00845885	0.008651712	0.008848971	0.009050728	0.009257084

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

rru_id	annual_costs_in_year_41	annual_costs_in_year_42	annual_costs_in_year_43	annual_costs_in_year_44	annual_costs_in_year_45	annual_costs_in_year_46	annual_costs_in_year_47	annual_costs_in_year_48	annual_costs_in_year_49
Proj00024-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00024-3UG-PAS									
Proj00024-3UG-PAS	0.001054614	0.001078659	0.001103252	0.001128406	0.001154134	0.001180448	0.001207363	0.00123489	0.001263046
Proj00024-3UG-PAS	-0.537687635	-0.549946914	-0.562485703	-0.575310377	-0.588427454	-0.6018436	-0.615565634	-0.62960053	-0.643955422
Proj00024-3UG-UGAS	0.602924828	0.616671514	0.630731624	0.645112306	0.659820866	0.674864782	0.690251699	0.705989438	0.722085997
Proj00024-3UG-UGAS									
Proj00024-3UG-UGAS	0.001054614	0.001078659	0.001103252	0.001128406	0.001154134	0.001180448	0.001207363	0.00123489	0.001263046
Proj00024-3UG-UGAS	-0.537687635	-0.549946914	-0.562485703	-0.575310377	-0.588427454	-0.6018436	-0.615565634	-0.62960053	-0.643955422
Proj00025-3UG-ALT1									
Proj00025-3UG-ALT1	0.019255826	0.019694859	0.020143902	0.020603183	0.021072936	0.021553399	0.022044816	0.022547438	0.023061519
Proj00025-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00025-3UG-PAS									
Proj00025-3UG-PAS	0.003069528	0.003139513	0.003211094	0.003284307	0.003359189	0.003435778	0.003514114	0.003594236	0.003676184
Proj00025-3UG-PAS	-1.147749578	-1.173918269	-1.200683605	-1.228059191	-1.256058941	-1.284697085	-1.313988178	-1.343947109	-1.374589103
Proj00025-3UG-UGAS	1.316998233	1.347025793	1.377737981	1.409150407	1.441279037	1.474140199	1.507750595	1.542127309	1.577287811
Proj00025-3UG-UGAS									
Proj00025-3UG-UGAS	0.003069528	0.003139513	0.003211094	0.003284307	0.003359189	0.003435778	0.003514114	0.003594236	0.003676184
Proj00025-3UG-UGAS	-1.147749578	-1.173918269	-1.200683605	-1.228059191	-1.256058941	-1.284697085	-1.313988178	-1.343947109	-1.374589103
Proj00026-3UG-ALT1									
Proj00026-3UG-ALT1	0.022984911	0.023508967	0.024044972	0.024593197	0.025153922	0.025727431	0.026314017	0.026913976	0.027527615
Proj00026-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00026-3UG-PAS									
Proj00026-3UG-PAS	0.002820874	0.00288519	0.002950972	0.003018255	0.003087071	0.003157456	0.003229446	0.003303077	0.003378388
Proj00026-3UG-PAS	-1.608556733	-1.645231827	-1.682743112	-1.721109655	-1.760350955	-1.800486957	-1.84153806	-1.883525128	-1.926469501
Proj00026-3UG-UGAS	1.765296045	1.805544795	1.846711216	1.888816232	1.931881242	1.975928134	2.020979296	2.067057624	2.114186537
Proj00026-3UG-UGAS									
Proj00026-3UG-UGAS	0.002820874	0.00288519	0.002950972	0.003018255	0.003087071	0.003157456	0.003229446	0.003303077	0.003378388
Proj00026-3UG-UGAS	-1.608556733	-1.645231827	-1.682743112	-1.721109655	-1.760350955	-1.800486957	-1.84153806	-1.883525128	-1.926469501
Proj00027-3UG-ALT1									
Proj00027-3UG-ALT1	0.008949867	0.009153924	0.009362633	0.009576101	0.009794436	0.010017749	0.010246154	0.010479766	0.010718705
Proj00027-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00027-3UG-PAS									
Proj00027-3UG-PAS	0.001123204	0.001148813	0.001175006	0.001201796	0.001229197	0.001257223	0.001285887	0.001315206	0.001345192
Proj00027-3UG-PAS	-0.525216477	-0.537191413	-0.549439377	-0.561966595	-0.574779433	-0.587884404	-0.601288169	-0.614997539	-0.629019483
Proj00027-3UG-UGAS	0.57275045	0.585809161	0.599165609	0.612826585	0.626799031	0.641090049	0.655706902	0.67065702	0.685948
Proj00027-3UG-UGAS									
Proj00027-3UG-UGAS	0.001123204	0.001148813	0.001175006	0.001201796	0.001229197	0.001257223	0.001285887	0.001315206	0.001345192
Proj00027-3UG-UGAS	-0.525216477	-0.537191413	-0.549439377	-0.561966595	-0.574779433	-0.587884404	-0.601288169	-0.614997539	-0.629019483
Proj00028-3UG-ALT1									
Proj00028-3UG-ALT1	0.02169669	0.022191375	0.022697338	0.023214837	0.023744135	0.024285502	0.024839211	0.025405545	0.025984792
Proj00028-3UG-ALT1	0	0	0	0	0	0	0	0	0
Proj00028-3UG-PAS									
Proj00028-3UG-PAS	0.006198457	0.006339782	0.006484329	0.006632172	0.006783385	0.006938047	0.007096234	0.007258028	0.007423511
Proj00028-3UG-PAS	-1.392983492	-1.424743516	-1.457227668	-1.490452459	-1.524434775	-1.559191888	-1.594741463	-1.631101568	-1.668290684
Proj00028-3UG-UGAS	1.852784496	1.895027983	1.938234621	1.98242637	2.027625691	2.073855557	2.121139464	2.169501443	2.218966076
Proj00028-3UG-UGAS									
Proj00028-3UG-UGAS	0.002469339	0.00252564	0.002583224	0.002642122	0.002702362	0.002763976	0.002826995	0.00289145	0.002957375
Proj00028-3UG-UGAS	-1.392983492	-1.424743516	-1.457227668	-1.490452459	-1.524434775	-1.559191888	-1.594741463	-1.631101568	-1.668290684

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

rru_id	annual_costs_in_year_50	annual_costs_in_year_51	annual_costs_in_year_52	annual_costs_in_year_53	annual_costs_in_year_54	annual_costs_in_year_55	annual_costs_in_year_56	reporting_date	calculated_date
Proj00001-3UG-ALT1								11/2/2026	10/30/2026
Proj00001-3UG-ALT1								11/2/2026	10/30/2026
Proj00001-3UG-ALT1								11/2/2026	10/30/2026
Proj00001-3UG-PAS								11/2/2026	10/30/2026
Proj00001-3UG-PAS	0.003812508	0.003899433	0.00398834	0.004079274	0.004172282	0.00426741	0.004364706	11/2/2026	10/30/2026
Proj00001-3UG-PAS	-3.36824954	-3.44504563	-3.52359267	-3.603930583	-3.6861002	-3.770143285	-3.856102552	11/2/2026	10/30/2026
Proj00001-3UG-UGAS	3.589764812	3.67161145	3.755324191	3.840945583	3.928519142	4.018089378	4.109701816	11/2/2026	10/30/2026
Proj00001-3UG-UGAS								11/2/2026	10/30/2026
Proj00001-3UG-UGAS	0.003812508	0.003899433	0.00398834	0.004079274	0.004172282	0.00426741	0.004364706	11/2/2026	10/30/2026
Proj00001-3UG-UGAS	-3.36824954	-3.44504563	-3.52359267	-3.603930583	-3.6861002	-3.770143285	-3.856102552	11/2/2026	10/30/2026
Proj00002-3UG-ALT1								11/2/2026	10/30/2026
Proj00002-3UG-ALT1								11/2/2026	10/30/2026
Proj00002-3UG-ALT1								11/2/2026	10/30/2026
Proj00002-3UG-PAS								11/2/2026	10/30/2026
Proj00002-3UG-PAS	0.003062663	0.003132492	0.003203913	0.003276962	0.003351677	0.003428095	0.003506255	11/2/2026	10/30/2026
Proj00002-3UG-PAS	-0.813169036	-0.83170929	-0.850672262	-0.87006759	-0.889905131	-0.910194968	-0.930947413	11/2/2026	10/30/2026
Proj00002-3UG-UGAS	1.626364624	1.663445737	1.7013723	1.740163589	1.779839318	1.820419655	1.861925223	11/2/2026	10/30/2026
Proj00002-3UG-UGAS								11/2/2026	10/30/2026
Proj00002-3UG-UGAS	0.003062663	0.003132492	0.003203913	0.003276962	0.003351677	0.003428095	0.003506255	11/2/2026	10/30/2026
Proj00002-3UG-UGAS	-0.813169036	-0.83170929	-0.850672262	-0.87006759	-0.889905131	-0.910194968	-0.930947413	11/2/2026	10/30/2026
Proj00003-3UG-ALT1								11/2/2026	10/30/2026
Proj00003-3UG-ALT1								11/2/2026	10/30/2026
Proj00003-3UG-ALT1								11/2/2026	10/30/2026
Proj00003-3UG-PAS								11/2/2026	10/30/2026
Proj00003-3UG-PAS	0.012099211	0.012375073	0.012657225	0.01294581	0.013240974	0.013542869	0.013851646	11/2/2026	10/30/2026
Proj00003-3UG-PAS	-4.043089386	-4.135271824	-4.229556021	-4.325989898	-4.424622468	-4.52550386	-4.628685348	11/2/2026	10/30/2026
Proj00003-3UG-UGAS	4.645171759	4.751081675	4.859406337	4.970200802	5.08352138	5.199425667	5.317972573	11/2/2026	10/30/2026
Proj00003-3UG-UGAS								11/2/2026	10/30/2026
Proj00003-3UG-UGAS	0.012099211	0.012375073	0.012657225	0.01294581	0.013240974	0.013542869	0.013851646	11/2/2026	10/30/2026
Proj00003-3UG-UGAS	-4.043089386	-4.135271824	-4.229556021	-4.325989898	-4.424622468	-4.52550386	-4.628685348	11/2/2026	10/30/2026
Proj00004-3UG-ALT1								11/2/2026	10/30/2026
Proj00004-3UG-ALT1								11/2/2026	10/30/2026
Proj00004-3UG-ALT1								11/2/2026	10/30/2026
Proj00004-3UG-PAS								11/2/2026	10/30/2026
Proj00004-3UG-PAS	0.000504131	0.000515626	0.000527382	0.000539406	0.000551705	0.000564283	0.000577149	11/2/2026	10/30/2026
Proj00004-3UG-PAS	-0.144991761	-0.148297573	-0.151678757	-0.155137033	-0.158674157	-0.162291928	-0.165992184	11/2/2026	10/30/2026
Proj00004-3UG-UGAS	0.163895881	0.167632707	0.171454733	0.175363901	0.179362198	0.183451656	0.187634353	11/2/2026	10/30/2026
Proj00004-3UG-UGAS								11/2/2026	10/30/2026
Proj00004-3UG-UGAS	0.000504131	0.000515626	0.000527382	0.000539406	0.000551705	0.000564283	0.000577149	11/2/2026	10/30/2026
Proj00004-3UG-UGAS	-0.144991761	-0.148297573	-0.151678757	-0.155137033	-0.158674157	-0.162291928	-0.165992184	11/2/2026	10/30/2026
Proj00005-3UG-ALT1								11/2/2026	10/30/2026
Proj00005-3UG-ALT1								11/2/2026	10/30/2026
Proj00005-3UG-ALT1								11/2/2026	10/30/2026
Proj00005-3UG-PAS								11/2/2026	10/30/2026
Proj00005-3UG-PAS	0.006921333	0.00707914	0.007240544	0.007405628	0.007574477	0.007747175	0.00792381	11/2/2026	10/30/2026
Proj00005-3UG-PAS	-3.704471647	-3.788933601	-3.875321287	-3.963678612	-4.054050485	-4.146482836	-4.241022644	11/2/2026	10/30/2026
Proj00005-3UG-UGAS	3.886174951	3.97477974	4.065404718	4.158095946	4.252900533	4.349866665	4.449043625	11/2/2026	10/30/2026
Proj00005-3UG-UGAS								11/2/2026	10/30/2026
Proj00005-3UG-UGAS	0.006921333	0.00707914	0.007240544	0.007405628	0.007574477	0.007747175	0.00792381	11/2/2026	10/30/2026
Proj00005-3UG-UGAS	-3.704471647	-3.788933601	-3.875321287	-3.963678612	-4.054050485	-4.146482836	-4.241022644	11/2/2026	10/30/2026
Proj00006-3UG-ALT1								11/2/2026	10/30/2026
Proj00006-3UG-ALT1								11/2/2026	10/30/2026
Proj00006-3UG-ALT1								11/2/2026	10/30/2026
Proj00006-3UG-PAS								11/2/2026	10/30/2026
Proj00006-3UG-PAS	0.005094062	0.005210207	0.005329	0.005450501	0.005574772	0.005701877	0.00583188	11/2/2026	10/30/2026
Proj00006-3UG-PAS	-0.222751445	-0.227830178	-0.233024706	-0.238337669	-0.243771768	-0.249329764	-0.255014483	11/2/2026	10/30/2026
Proj00006-3UG-UGAS	0.431157172	0.440987555	0.451042072	0.461325831	0.47184406	0.482602104	0.493605432	11/2/2026	10/30/2026
Proj00006-3UG-UGAS								11/2/2026	10/30/2026
Proj00006-3UG-UGAS	0.000609161	0.00062305	0.000637255	0.000651784	0.000666645	0.000681845	0.000697391	11/2/2026	10/30/2026
Proj00006-3UG-UGAS	-0.222751445	-0.227830178	-0.233024706	-0.238337669	-0.243771768	-0.249329764	-0.255014483	11/2/2026	10/30/2026
Proj00007-3UG-ALT1								11/2/2026	10/30/2026
Proj00007-3UG-ALT1								11/2/2026	10/30/2026
Proj00007-3UG-ALT1								11/2/2026	10/30/2026
Proj00007-3UG-PAS								11/2/2026	10/30/2026
Proj00007-3UG-PAS	0.059510699	0.060867543	0.062255323	0.063674744	0.065126528	0.066611413	0.068130153	11/2/2026	10/30/2026
Proj00007-3UG-PAS	-0.18879031	-0.19309473	-0.197497289	-0.202000228	-0.206605833	-0.211316446	-0.216134461	11/2/2026	10/30/2026
Proj00007-3UG-UGAS	1.745825771	1.785630599	1.826342977	1.867983597	1.910573623	1.954134701	1.998688972	11/2/2026	10/30/2026
Proj00007-3UG-UGAS								11/2/2026	10/30/2026
Proj00007-3UG-UGAS	0.001123799	0.001149421	0.001175628	0.001202433	0.001229848	0.001257889	0.001286568	11/2/2026	10/30/2026
Proj00007-3UG-UGAS	-0.18879031	-0.19309473	-0.197497289	-0.202000228	-0.206605833	-0.211316446	-0.216134461	11/2/2026	10/30/2026

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

rru_id	annual_costs_in_year_50	annual_costs_in_year_51	annual_costs_in_year_52	annual_costs_in_year_53	annual_costs_in_year_54	annual_costs_in_year_55	annual_costs_in_year_56	reporting_date	calculated_date
Proj00008-3UG-ALT1								11/2/2026	10/30/2026
Proj00008-3UG-ALT1								11/2/2026	10/30/2026
Proj00008-3UG-ALT1								11/2/2026	10/30/2026
Proj00008-3UG-PAS								11/2/2026	10/30/2026
Proj00008-3UG-PAS	0.097962379	0.100195921	0.102480388	0.104816941	0.107206767	0.109651081	0.112151126	11/2/2026	10/30/2026
Proj00008-3UG-PAS	-0.887125713	-0.907352179	-0.928039809	-0.949199117	-0.970840857	-0.992976028	-1.015615882	11/2/2026	10/30/2026
Proj00008-3UG-UGAS	2.866795498	2.932158435	2.999011647	3.067389113	3.137325585	3.208856608	3.282018539	11/2/2026	10/30/2026
Proj00008-3UG-UGAS								11/2/2026	10/30/2026
Proj00008-3UG-UGAS	0.015655982	0.016012938	0.016378033	0.016751452	0.017133385	0.017524026	0.017923574	11/2/2026	10/30/2026
Proj00008-3UG-UGAS	-0.887125713	-0.907352179	-0.928039809	-0.949199117	-0.970840857	-0.992976028	-1.015615882	11/2/2026	10/30/2026
Proj00009-3UG-ALT1								11/2/2026	10/30/2026
Proj00009-3UG-ALT1								11/2/2026	10/30/2026
Proj00009-3UG-ALT1								11/2/2026	10/30/2026
Proj00009-3UG-PAS								11/2/2026	10/30/2026
Proj00009-3UG-PAS	0.012947395	0.013242595	0.013544527	0.013853342	0.014169198	0.014492256	0.014822679	11/2/2026	10/30/2026
Proj00009-3UG-PAS	-3.234877131	-3.30863233	-3.384069147	-3.461225923	-3.540141874	-3.620857109	-3.703412651	11/2/2026	10/30/2026
Proj00009-3UG-UGAS	3.969527878	4.060033114	4.152601869	4.247281192	4.344119203	4.443165121	4.544469285	11/2/2026	10/30/2026
Proj00009-3UG-UGAS								11/2/2026	10/30/2026
Proj00009-3UG-UGAS	0.009126918	0.009335012	0.00954785	0.009765541	0.009988196	0.010215926	0.01044885	11/2/2026	10/30/2026
Proj00009-3UG-UGAS	-3.234877131	-3.30863233	-3.384069147	-3.461225923	-3.540141874	-3.620857109	-3.703412651	11/2/2026	10/30/2026
Proj00010-3UG-ALT1								11/2/2026	10/30/2026
Proj00010-3UG-ALT1								11/2/2026	10/30/2026
Proj00010-3UG-ALT1								11/2/2026	10/30/2026
Proj00010-3UG-PAS								11/2/2026	10/30/2026
Proj00010-3UG-PAS	0.017857921	0.018265082	0.018681526	0.019107465	0.019543115	0.019988698	0.02044444	11/2/2026	10/30/2026
Proj00010-3UG-PAS	-1.164950509	-1.19151138	-1.21867784	-1.246463694	-1.274883067	-1.303950401	-1.33368047	11/2/2026	10/30/2026
Proj00010-3UG-UGAS	1.821197987	1.862721301	1.905191346	1.948629709	1.993058466	2.038500199	2.084978004	11/2/2026	10/30/2026
Proj00010-3UG-UGAS								11/2/2026	10/30/2026
Proj00010-3UG-UGAS	0.008223678	0.008411177	0.008602952	0.0087991	0.008999719	0.009204913	0.009414785	11/2/2026	10/30/2026
Proj00010-3UG-UGAS	-1.164950509	-1.19151138	-1.21867784	-1.246463694	-1.274883067	-1.303950401	-1.33368047	11/2/2026	10/30/2026
Proj00011-3UG-ALT1								11/2/2026	10/30/2026
Proj00011-3UG-ALT1								11/2/2026	10/30/2026
Proj00011-3UG-ALT1								11/2/2026	10/30/2026
Proj00011-3UG-PAS								11/2/2026	10/30/2026
Proj00011-3UG-PAS	0.006291168	0.006434607	0.006581316	0.00673137	0.006884845	0.00704182	0.007202373	11/2/2026	10/30/2026
Proj00011-3UG-PAS	-2.73196692	-2.794255766	-2.857964797	-2.923126395	-2.989773677	-3.057940516	-3.12766156	11/2/2026	10/30/2026
Proj00011-3UG-UGAS	5.610030609	5.737939307	5.868764323	6.00257215	6.139430795	6.279409817	6.422580361	11/2/2026	10/30/2026
Proj00011-3UG-UGAS								11/2/2026	10/30/2026
Proj00011-3UG-UGAS	0.006291168	0.006434607	0.006581316	0.00673137	0.006884845	0.00704182	0.007202373	11/2/2026	10/30/2026
Proj00011-3UG-UGAS	-2.73196692	-2.794255766	-2.857964797	-2.923126395	-2.989773677	-3.057940516	-3.12766156	11/2/2026	10/30/2026
Proj00012-3UG-ALT1								11/2/2026	10/30/2026
Proj00012-3UG-ALT1								11/2/2026	10/30/2026
Proj00012-3UG-ALT1								11/2/2026	10/30/2026
Proj00012-3UG-PAS								11/2/2026	10/30/2026
Proj00012-3UG-PAS	0.01692579	0.017311698	0.017706405	0.018110111	0.018523021	0.018945346	0.0193773	11/2/2026	10/30/2026
Proj00012-3UG-PAS	-1.401541263	-1.433496403	-1.466180121	-1.499609028	-1.533800114	-1.568770757	-1.60453873	11/2/2026	10/30/2026
Proj00012-3UG-UGAS	2.116463429	2.164718795	2.214074384	2.26455528	2.31618714	2.368996207	2.42300932	11/2/2026	10/30/2026
Proj00012-3UG-UGAS								11/2/2026	10/30/2026
Proj00012-3UG-UGAS	0.005713517	0.005843785	0.005977023	0.006113299	0.006252682	0.006395244	0.006541055	11/2/2026	10/30/2026
Proj00012-3UG-UGAS	-1.401541263	-1.433496403	-1.466180121	-1.499609028	-1.533800114	-1.568770757	-1.60453873	11/2/2026	10/30/2026
Proj00013-3UG-ALT1								11/2/2026	10/30/2026
Proj00013-3UG-ALT1								11/2/2026	10/30/2026
Proj00013-3UG-ALT1								11/2/2026	10/30/2026
Proj00013-3UG-PAS								11/2/2026	10/30/2026
Proj00013-3UG-PAS	0.011142486	0.011396535	0.011656376	0.011922141	0.012193966	0.012471989	0.01275635	11/2/2026	10/30/2026
Proj00013-3UG-PAS	-2.401750144	-2.456510047	-2.512518476	-2.569803897	-2.628395426	-2.688322842	-2.749616603	11/2/2026	10/30/2026
Proj00013-3UG-UGAS	2.852255338	2.91728676	2.983800898	3.051831558	3.121413318	3.192581542	3.265372401	11/2/2026	10/30/2026
Proj00013-3UG-UGAS								11/2/2026	10/30/2026
Proj00013-3UG-UGAS	0.011059432	0.011311587	0.011569492	0.011833276	0.012103075	0.012379025	0.012661267	11/2/2026	10/30/2026
Proj00013-3UG-UGAS	-2.401750144	-2.456510047	-2.512518476	-2.569803897	-2.628395426	-2.688322842	-2.749616603	11/2/2026	10/30/2026
Proj00014-3UG-ALT1								11/2/2026	10/30/2026
Proj00014-3UG-ALT1								11/2/2026	10/30/2026
Proj00014-3UG-ALT1								11/2/2026	10/30/2026
Proj00014-3UG-PAS								11/2/2026	10/30/2026
Proj00014-3UG-PAS	0.001323354	0.001353527	0.001384387	0.001415951	0.001448235	0.001481254	0.001515027	11/2/2026	10/30/2026
Proj00014-3UG-PAS	-0.580751284	-0.593992413	-0.60753544	-0.621387248	-0.635554877	-0.650045528	-0.664866566	11/2/2026	10/30/2026
Proj00014-3UG-UGAS	0.67282147	0.688161799	0.703851888	0.719899711	0.736313425	0.753101371	0.770272082	11/2/2026	10/30/2026
Proj00014-3UG-UGAS								11/2/2026	10/30/2026
Proj00014-3UG-UGAS	0.001323354	0.001353527	0.001384387	0.001415951	0.001448235	0.001481254	0.001515027	11/2/2026	10/30/2026
Proj00014-3UG-UGAS	-0.580751284	-0.593992413	-0.60753544	-0.621387248	-0.635554877	-0.650045528	-0.664866566	11/2/2026	10/30/2026
Proj00015-3UG-ALT1								11/2/2026	10/30/2026
Proj00015-3UG-ALT1								11/2/2026	10/30/2026
Proj00015-3UG-ALT1								11/2/2026	10/30/2026
Proj00015-3UG-PAS								11/2/2026	10/30/2026
Proj00015-3UG-PAS	0.056132885	0.057412715	0.058721724	0.06006058	0.061429961	0.062830564	0.064263101	11/2/2026	10/30/2026
Proj00015-3UG-PAS	-3.248593532	-3.322661464	-3.398418146	-3.47590208	-3.555152647	-3.636210127	-3.719115718	11/2/2026	10/30/2026
Proj00015-3UG-UGAS	4.765527468	4.874181495	4.985312833	5.098977965	5.215234663	5.334142013	5.455760451	11/2/2026	10/30/2026
Proj00015-3UG-UGAS								11/2/2026	10/30/2026
Proj00015-3UG-UGAS	0.024904629	0.025472455	0.026053227	0.02664724	0.027254797	0.027876207	0.028511784	11/2/2026	10/30/2026
Proj00015-3UG-UGAS	-3.248593532	-3.322661464	-3.398418146	-3.47590208	-3.555152647	-3.636210127	-3.719115718	11/2/2026	10/30/2026
Proj00016-3UG-ALT1								11/2/2026	10/30/2026

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

rru_id	annual_costs_in_year_50	annual_costs_in_year_51	annual_costs_in_year_52	annual_costs_in_year_53	annual_costs_in_year_54	annual_costs_in_year_55	annual_costs_in_year_56	reporting_date	calculated_date
Proj00016-3UG-ALT1								11/2/2026	10/30/2026
Proj00016-3UG-ALT1								11/2/2026	10/30/2026
Proj00016-3UG-PAS								11/2/2026	10/30/2026
Proj00016-3UG-PAS	0.2040461	0.208698351	0.213456673	0.218323486	0.223301261	0.22839253	0.233599879	11/2/2026	10/30/2026
Proj00016-3UG-PAS	-0.214973676	-0.219875076	-0.224888228	-0.230015679	-0.235260037	-0.240623965	-0.246110192	11/2/2026	10/30/2026
Proj00016-3UG-UGAS	4.988738295	5.102481528	5.218818107	5.33780716	5.459509163	5.583985972	5.711300852	11/2/2026	10/30/2026
Proj00016-3UG-UGAS								11/2/2026	10/30/2026
Proj00016-3UG-UGAS	0.002225218	0.002275953	0.002327845	0.00238092	0.002435205	0.002490727	0.002547516	11/2/2026	10/30/2026
Proj00016-3UG-UGAS	-0.214973676	-0.219875076	-0.224888228	-0.230015679	-0.235260037	-0.240623965	-0.246110192	11/2/2026	10/30/2026
Proj00017-3UG-ALT1								11/2/2026	10/30/2026
Proj00017-3UG-ALT1								11/2/2026	10/30/2026
Proj00017-3UG-ALT1								11/2/2026	10/30/2026
Proj00017-3UG-PAS								11/2/2026	10/30/2026
Proj00017-3UG-PAS	0.039807295	0.040714902	0.041643202	0.042592667	0.043563779	0.044557034	0.045572934	11/2/2026	10/30/2026
Proj00017-3UG-PAS	-1.018219853	-1.041435266	-1.06517999	-1.089466093	-1.11430592	-1.139712095	-1.165697531	11/2/2026	10/30/2026
Proj00017-3UG-UGAS	3.047655968	3.117142524	3.188213374	3.260904638	3.335253264	3.411297039	3.489074611	11/2/2026	10/30/2026
Proj00017-3UG-UGAS								11/2/2026	10/30/2026
Proj00017-3UG-UGAS	0.00392804	0.0040176	0.004109201	0.004202891	0.004298717	0.004396728	0.004496973	11/2/2026	10/30/2026
Proj00017-3UG-UGAS	-1.018219853	-1.041435266	-1.06517999	-1.089466093	-1.11430592	-1.139712095	-1.165697531	11/2/2026	10/30/2026
Proj00018-3UG-ALT1								11/2/2026	10/30/2026
Proj00018-3UG-ALT1								11/2/2026	10/30/2026
Proj00018-3UG-ALT1								11/2/2026	10/30/2026
Proj00018-3UG-PAS								11/2/2026	10/30/2026
Proj00018-3UG-PAS	0.002583684	0.002642592	0.002702843	0.002764468	0.002827497	0.002891964	0.002957901	11/2/2026	10/30/2026
Proj00018-3UG-PAS	-0.841532931	-0.860719882	-0.880344295	-0.900416145	-0.920945633	-0.941943193	-0.963419498	11/2/2026	10/30/2026
Proj00018-3UG-UGAS	1.135300607	1.161185461	1.187660489	1.214739149	1.242435201	1.270762724	1.299736114	11/2/2026	10/30/2026
Proj00018-3UG-UGAS								11/2/2026	10/30/2026
Proj00018-3UG-UGAS	0.002583684	0.002642592	0.002702843	0.002764468	0.002827497	0.002891964	0.002957901	11/2/2026	10/30/2026
Proj00018-3UG-UGAS	-0.841532931	-0.860719882	-0.880344295	-0.900416145	-0.920945633	-0.941943193	-0.963419498	11/2/2026	10/30/2026
Proj00019-3UG-ALT1								11/2/2026	10/30/2026
Proj00019-3UG-ALT1								11/2/2026	10/30/2026
Proj00019-3UG-ALT1								11/2/2026	10/30/2026
Proj00019-3UG-PAS								11/2/2026	10/30/2026
Proj00019-3UG-PAS	0.011784127	0.012052805	0.012327609	0.012608679	0.012896157	0.013190189	0.013490925	11/2/2026	10/30/2026
Proj00019-3UG-PAS	-3.304559812	-3.379903776	-3.456965582	-3.535784397	-3.616400282	-3.698854208	-3.783188084	11/2/2026	10/30/2026
Proj00019-3UG-UGAS	3.926755539	4.016285565	4.107856876	4.201516013	4.297310578	4.395289259	4.495501854	11/2/2026	10/30/2026
Proj00019-3UG-UGAS								11/2/2026	10/30/2026
Proj00019-3UG-UGAS	0.011784127	0.012052805	0.012327609	0.012608679	0.012896157	0.013190189	0.013490925	11/2/2026	10/30/2026
Proj00019-3UG-UGAS	-3.304559812	-3.379903776	-3.456965582	-3.535784397	-3.616400282	-3.698854208	-3.783188084	11/2/2026	10/30/2026
Proj00020-3UG-ALT1								11/2/2026	10/30/2026
Proj00020-3UG-ALT1								11/2/2026	10/30/2026
Proj00020-3UG-ALT1								11/2/2026	10/30/2026
Proj00020-3UG-PAS								11/2/2026	10/30/2026
Proj00020-3UG-PAS	0.005766034	0.0058975	0.006031963	0.006169491	0.006310156	0.006454027	0.006601179	11/2/2026	10/30/2026
Proj00020-3UG-PAS	-2.853024464	-2.918073421	-2.984605495	-3.052654501	-3.122255023	-3.193442438	-3.266252925	11/2/2026	10/30/2026
Proj00020-3UG-UGAS	3.137134695	3.208661366	3.281818845	3.356644315	3.433175805	3.511452214	3.591513324	11/2/2026	10/30/2026
Proj00020-3UG-UGAS								11/2/2026	10/30/2026
Proj00020-3UG-UGAS	0.005766034	0.0058975	0.006031963	0.006169491	0.006310156	0.006454027	0.006601179	11/2/2026	10/30/2026
Proj00020-3UG-UGAS	-2.853024464	-2.918073421	-2.984605495	-3.052654501	-3.122255023	-3.193442438	-3.266252925	11/2/2026	10/30/2026
Proj00021-3UG-ALT1								11/2/2026	10/30/2026
Proj00021-3UG-ALT1								11/2/2026	10/30/2026
Proj00021-3UG-ALT1								11/2/2026	10/30/2026
Proj00021-3UG-PAS								11/2/2026	10/30/2026
Proj00021-3UG-PAS	0.024576519	0.025136864	0.025709985	0.026296172	0.026895725	0.027508947	0.028136151	11/2/2026	10/30/2026
Proj00021-3UG-PAS	-4.194107391	-4.28973304	-4.387538953	-4.487574841	-4.589891548	-4.694541075	-4.801576612	11/2/2026	10/30/2026
Proj00021-3UG-UGAS	4.904223159	5.016039447	5.13040146	5.247378384	5.367018611	5.489386635	5.61454465	11/2/2026	10/30/2026
Proj00021-3UG-UGAS								11/2/2026	10/30/2026
Proj00021-3UG-UGAS	0.024576519	0.025136864	0.025709985	0.026296172	0.026895725	0.027508947	0.028136151	11/2/2026	10/30/2026
Proj00021-3UG-UGAS	-4.194107391	-4.28973304	-4.387538953	-4.487574841	-4.589891548	-4.694541075	-4.801576612	11/2/2026	10/30/2026
Proj00022-3UG-ALT1								11/2/2026	10/30/2026
Proj00022-3UG-ALT1								11/2/2026	10/30/2026
Proj00022-3UG-ALT1								11/2/2026	10/30/2026
Proj00022-3UG-PAS								11/2/2026	10/30/2026
Proj00022-3UG-PAS	0.017984551	0.018394599	0.018813996	0.019242955	0.019681694	0.020130437	0.020589411	11/2/2026	10/30/2026
Proj00022-3UG-PAS	-0.042550394	-0.043520543	-0.044512811	-0.045527703	-0.046565735	-0.047627434	-0.048713339	11/2/2026	10/30/2026
Proj00022-3UG-UGAS	0.46446487	0.475054669	0.485885916	0.496964115	0.508294897	0.51988402	0.531737376	11/2/2026	10/30/2026
Proj00022-3UG-UGAS								11/2/2026	10/30/2026
Proj00022-3UG-UGAS	0.000294078	0.000300783	0.000307641	0.000314655	0.000321829	0.000329167	0.000336672	11/2/2026	10/30/2026
Proj00022-3UG-UGAS	-0.042550394	-0.043520543	-0.044512811	-0.045527703	-0.046565735	-0.047627434	-0.048713339	11/2/2026	10/30/2026
Proj00023-3UG-ALT1								11/2/2026	10/30/2026
Proj00023-3UG-ALT1								11/2/2026	10/30/2026
Proj00023-3UG-ALT1								11/2/2026	10/30/2026
Proj00023-3UG-PAS								11/2/2026	10/30/2026
Proj00023-3UG-PAS	0.036740387	0.037578068	0.038434848	0.039311162	0.040207457	0.041124187	0.042061818	11/2/2026	10/30/2026
Proj00023-3UG-PAS	-9.235650202	-9.446223027	-9.661596912	-9.881881321	-10.10718822	-10.33763211	-10.57333012	11/2/2026	10/30/2026
Proj00023-3UG-UGAS	10.1001214	10.33040417	10.56593739	10.80684076	11.05323673	11.30525053	11.56301024	11/2/2026	10/30/2026
Proj00023-3UG-UGAS								11/2/2026	10/30/2026
Proj00023-3UG-UGAS	0.035079309	0.035879118	0.036697162	0.037533857	0.038389629	0.039264912	0.040160152	11/2/2026	10/30/2026
Proj00023-3UG-UGAS	-9.235650202	-9.446223027	-9.661596912	-9.881881321	-10.10718822	-10.33763211	-10.57333012	11/2/2026	10/30/2026
Proj00024-3UG-ALT1								11/2/2026	10/30/2026
Proj00024-3UG-ALT1								11/2/2026	10/30/2026

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

rru_id	annual_costs_in_year_50	annual_costs_in_year_51	annual_costs_in_year_52	annual_costs_in_year_53	annual_costs_in_year_54	annual_costs_in_year_55	annual_costs_in_year_56	reporting_date	calculated_date
Proj00024-3UG-ALT1								11/2/2026	10/30/2026
Proj00024-3UG-PAS								11/2/2026	10/30/2026
Proj00024-3UG-PAS	0.001291843	0.001321297	0.001351423	0.001382235	0.00141375	0.001445984	0.001478952	11/2/2026	10/30/2026
Proj00024-3UG-PAS	-0.658637606	-0.673654543	-0.689013867	-0.704723383	-0.720791076	-0.737225113	-0.754033845	11/2/2026	10/30/2026
Proj00024-3UG-UGAS	0.738549557	0.755388487	0.772611345	0.790226884	0.808244057	0.826672021	0.845520143	11/2/2026	10/30/2026
Proj00024-3UG-UGAS								11/2/2026	10/30/2026
Proj00024-3UG-UGAS	0.001291843	0.001321297	0.001351423	0.001382235	0.00141375	0.001445984	0.001478952	11/2/2026	10/30/2026
Proj00024-3UG-UGAS	-0.658637606	-0.673654543	-0.689013867	-0.704723383	-0.720791076	-0.737225113	-0.754033845	11/2/2026	10/30/2026
Proj00025-3UG-ALT1								11/2/2026	10/30/2026
Proj00025-3UG-ALT1								11/2/2026	10/30/2026
Proj00025-3UG-ALT1								11/2/2026	10/30/2026
Proj00025-3UG-PAS								11/2/2026	10/30/2026
Proj00025-3UG-PAS	0.003760001	0.003845729	0.003933412	0.004023094	0.00411482	0.004208638	0.004304595	11/2/2026	10/30/2026
Proj00025-3UG-PAS	-1.405929734	-1.437984932	-1.470770989	-1.504304567	-1.538602712	-1.573682853	-1.609562822	11/2/2026	10/30/2026
Proj00025-3UG-UGAS	1.613249973	1.650032073	1.687652804	1.726131288	1.765487081	1.805740187	1.846911063	11/2/2026	10/30/2026
Proj00025-3UG-UGAS								11/2/2026	10/30/2026
Proj00025-3UG-UGAS	0.003760001	0.003845729	0.003933412	0.004023094	0.00411482	0.004208638	0.004304595	11/2/2026	10/30/2026
Proj00025-3UG-UGAS	-1.405929734	-1.437984932	-1.470770989	-1.504304567	-1.538602712	-1.573682853	-1.609562822	11/2/2026	10/30/2026
Proj00026-3UG-ALT1								11/2/2026	10/30/2026
Proj00026-3UG-ALT1								11/2/2026	10/30/2026
Proj00026-3UG-ALT1								11/2/2026	10/30/2026
Proj00026-3UG-PAS								11/2/2026	10/30/2026
Proj00026-3UG-PAS	0.003455415	0.003534198	0.003614778	0.003697195	0.003781491	0.003867709	0.003955893	11/2/2026	10/30/2026
Proj00026-3UG-PAS	-1.970393005	-2.015317966	-2.061267215	-2.108264108	-2.156332529	-2.205496911	-2.255782241	11/2/2026	10/30/2026
Proj00026-3UG-UGAS	2.16238999	2.211692482	2.262119071	2.313695386	2.36644764	2.420402647	2.475587827	11/2/2026	10/30/2026
Proj00026-3UG-UGAS								11/2/2026	10/30/2026
Proj00026-3UG-UGAS	0.003455415	0.003534198	0.003614778	0.003697195	0.003781491	0.003867709	0.003955893	11/2/2026	10/30/2026
Proj00026-3UG-UGAS	-1.970393005	-2.015317966	-2.061267215	-2.108264108	-2.156332529	-2.205496911	-2.255782241	11/2/2026	10/30/2026
Proj00027-3UG-ALT1								11/2/2026	10/30/2026
Proj00027-3UG-ALT1								11/2/2026	10/30/2026
Proj00027-3UG-ALT1								11/2/2026	10/30/2026
Proj00027-3UG-PAS								11/2/2026	10/30/2026
Proj00027-3UG-PAS	0.001375863	0.001407232	0.001439317	0.001472134	0.001505698	0.001540028	0.001575141	11/2/2026	10/30/2026
Proj00027-3UG-PAS	-0.643361127	-0.658029761	-0.673032839	-0.688377988	-0.704073006	-0.72012587	-0.73654474	11/2/2026	10/30/2026
Proj00027-3UG-UGAS	0.701587614	0.717583812	0.733944723	0.750678663	0.767794136	0.785299842	0.803204679	11/2/2026	10/30/2026
Proj00027-3UG-UGAS								11/2/2026	10/30/2026
Proj00027-3UG-UGAS	0.001375863	0.001407232	0.001439317	0.001472134	0.001505698	0.001540028	0.001575141	11/2/2026	10/30/2026
Proj00027-3UG-UGAS	-0.643361127	-0.658029761	-0.673032839	-0.688377988	-0.704073006	-0.72012587	-0.73654474	11/2/2026	10/30/2026
Proj00028-3UG-ALT1								11/2/2026	10/30/2026
Proj00028-3UG-ALT1								11/2/2026	10/30/2026
Proj00028-3UG-ALT1								11/2/2026	10/30/2026
Proj00028-3UG-PAS								11/2/2026	10/30/2026
Proj00028-3UG-PAS	0.007592767	0.007765882	0.007942945	0.008124044	0.008309272	0.008498723	0.008692494	11/2/2026	10/30/2026
Proj00028-3UG-PAS	-1.706327711	-1.745231983	-1.785023272	-1.825721803	-1.86734826	-1.9099238	-1.953470063	11/2/2026	10/30/2026
Proj00028-3UG-UGAS	2.269558503	2.321304437	2.374230178	2.428362626	2.483729294	2.540358322	2.598278491	11/2/2026	10/30/2026
Proj00028-3UG-UGAS								11/2/2026	10/30/2026
Proj00028-3UG-UGAS	0.003024803	0.003093769	0.003164307	0.003236453	0.003310244	0.003385718	0.003462912	11/2/2026	10/30/2026
Proj00028-3UG-UGAS	-1.706327711	-1.745231983	-1.785023272	-1.825721803	-1.86734826	-1.9099238	-1.953470063	11/2/2026	10/30/2026