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

rru_id	oeis_subproject_id	oeis_project_id	circuit_segment_id	qdr_circuit_segment_id	grc_activity_code	filings	customer_count_residential	customer_count_non_residential	state_legislative_district	tranche_level	asset_system_list
Proj00001-3UG-ALT1		Proj00001	PUEBLO 21031970				783	23	Congressional District 4	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer
Proj00001-3UG-ALT1		Proj00001	PUEBLO 21031970				783	23	Congressional District 4	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer
Proj00001-3UG-ALT1		Proj00001	PUEBLO 21031970				783	23	Congressional District 4	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer
Proj00001-3UG-PAS		Proj00001	PUEBLO 21031970		3UG	EUP	24	4	Congressional District 4	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer
Proj00001-3UG-UGAS	Proj00001-3UG-UGAS	Proj00001	PUEBLO 21031970		3UG	EUP	24	4	Congressional District 4	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer
Proj00002-3UG-PAS		Proj00002	MIWUK 1701CB		3UG	EUP	129	3	Congressional District 5	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer
Proj00002-3UG-UGAS	Proj00002-3UG-UGAS	Proj00002	MIWUK 1701CB		3UG	EUP	129	3	Congressional District 5	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer
Proj00003-3UG-PAS		Proj00003	FORESTHILL 1101CB		3UG	EUP	294	55	Congressional District 3	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer
Proj00003-3UG-UGAS	Proj00003-3UG-UGAS	Proj00003	FORESTHILL 1101CB		3UG	EUP	294	55	Congressional District 3	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer
Proj00002-3UG-ALT1		Proj00002	MIWUK 1701CB				216	18	Congressional District 5	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer
Proj00002-3UG-ALT1		Proj00002	MIWUK 1701CB				216	18	Congressional District 5	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer
Proj00002-3UG-ALT1		Proj00002	MIWUK 1701CB				216	18	Congressional District 5	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer
Proj00004-3UG-PAS		Proj00004	DUNBAR 1103799422		3UG	EUP	6	1	Congressional District 4	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer
Proj00004-3UG-UGAS	Proj00004-3UG-UGAS	Proj00004	DUNBAR 1103799422		3UG	EUP	6	1	Congressional District 4	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer
Proj00005-3UG-PAS		Proj00005	FORESTHILL 11011820		3UG	EUP	31	1	Congressional District 3	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer
Proj00005-3UG-UGAS	Proj00005-3UG-UGAS	Proj00005	FORESTHILL 11011820		3UG	EUP	31	1	Congressional District 3	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer
Proj00006-3UG-PAS		Proj00006	GIRVAN 1101CB		08W, 3UG	EUP, GRC	75	30	Congressional District 1	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer
Proj00006-3UG-UGAS	Proj00006-3UG-UGAS	Proj00006	GIRVAN 1101CB		3UG	EUP	71	14	Congressional District 1	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer
Proj00003-3UG-ALT1		Proj00003	FORESTHILL 1101CB				357	87	Congressional District 3	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer
Proj00003-3UG-ALT1		Proj00003	FORESTHILL 1101CB				357	87	Congressional District 3	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer
Proj00003-3UG-ALT1		Proj00003	FORESTHILL 1101CB				357	87	Congressional District 3	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer
Proj00007-3UG-PAS		Proj00007	LOS GATOS 1107812664		08W, 3UG	EUP, GRC	56	1	Congressional District 16, 19	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer
Proj00006-3UG-UGAS	Proj00006-3UG-UGAS	Proj00006	GIRVAN 1101CB		3UG	EUP	71	14	Congressional District 1	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer
Proj00008-3UG-PAS		Proj00008	GEYSERVILLE 1102904170		08W, 3UG	EUP, GRC	18	24	Congressional District 2	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer
Proj00006-3UG-UGAS	Proj00006-3UG-UGAS	Proj00006	GIRVAN 1101CB		3UG	EUP	71	14	Congressional District 1	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer
Proj00009-3UG-PAS		Proj00009	ALTO 1124430		08W, 3UG	EUP, GRC	666	22	Congressional District 2	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer
Proj00007-3UG-UGAS	Proj00007-3UG-UGAS	Proj00007	LOS GATOS 1107812664		3UG	EUP	10	0	Congressional District 16, 19	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer
Proj00004-3UG-ALT1		Proj00004	DUNBAR 1103799422				6	1	Congressional District 4	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer
Proj00004-3UG-ALT1		Proj00004	DUNBAR 1103799422				6	1	Congressional District 4	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer
Proj00004-3UG-ALT1		Proj00004	DUNBAR 1103799422				6	1	Congressional District 4	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer
Proj00010-3UG-PAS		Proj00010	LAURELES 111268454		08W, 3UG	EUP, GRC	339	25	Congressional District 19	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer
Proj00010-3UG-UGAS	Proj00010-3UG-UGAS	Proj00010	LAURELES 111268454		3UG	EUP	290	23	Congressional District 19	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer
Proj00011-3UG-PAS		Proj00011	EL DORADO PH 2101668674		3UG	EUP	174	2	Congressional District 3	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer
Proj00007-3UG-UGAS	Proj00007-3UG-UGAS	Proj00007	LOS GATOS 1107812664		3UG	EUP	10	0	Congressional District 16, 19	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer
Proj00012-3UG-PAS		Proj00012	JESSUP 110168362		08W, 3UG	EUP, GRC	127	16	Congressional District 1	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer
Proj00007-3UG-UGAS	Proj00007-3UG-UGAS	Proj00007	LOS GATOS 1107812664		3UG	EUP	10	0	Congressional District 16, 19	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer
Proj00005-3UG-ALT1		Proj00005	FORESTHILL 11011820				45	3	Congressional District 3	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer
Proj00005-3UG-ALT1		Proj00005	FORESTHILL 11011820				45	3	Congressional District 3	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer
Proj00005-3UG-ALT1		Proj00005	FORESTHILL 11011820				45	3	Congressional District 3	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer
Proj00013-3UG-PAS		Proj00013	BEN LOMOND 0401944178		3UG	EUP	439	42	Congressional District 19	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer
Proj00008-3UG-UGAS	Proj00008-3UG-UGAS	Proj00008	GEYSERVILLE 1102904170		3UG	EUP	8	13	Congressional District 2	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer
Proj00014-3UG-PAS		Proj00014	WOODACRE 1102851		3UG	EUP	91	4	Congressional District 2	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer
Proj00014-3UG-UGAS	Proj00014-3UG-UGAS	Proj00014	WOODACRE 1102851		3UG	EUP	91	4	Congressional District 2	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer
Proj00015-3UG-PAS		Proj00015	ELECTRA 1101CB		08W, 3UG	EUP, GRC	160	10	Congressional District 5	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer
Proj00008-3UG-UGAS	Proj00008-3UG-UGAS	Proj00008	GEYSERVILLE 1102904170		3UG	EUP	8	13	Congressional District 2	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer
Proj00006-3UG-ALT1		Proj00006	GIRVAN 1101CB				84	37	Congressional District 1	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer
Proj00006-3UG-ALT1		Proj00006	GIRVAN 1101CB				84	37	Congressional District 1	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer
Proj00006-3UG-ALT1		Proj00006	GIRVAN 1101CB				84	37	Congressional District 1	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer
Proj00016-3UG-PAS		Proj00016	MARIPOSA 2101110070		08W, 3UG	EUP, GRC	217	9	Congressional District 5	4	MARIPOSA 2101110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer
Proj00016-3UG-UGAS	Proj00016-3UG-UGAS	Proj00016	MARIPOSA 2101110070		3UG	EUP	6	0	Congressional District 5	4	MARIPOSA 2101110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer
Proj00017-3UG-PAS		Proj00017	SAN RAFAEL 1108322		08W, 3UG	EUP, GRC	1076	53	Congressional District 2	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer
Proj00008-3UG-UGAS	Proj00008-3UG-UGAS	Proj00008	GEYSERVILLE 1102904170		3UG	EUP	8	13	Congressional District 2	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer
Proj00018-3UG-PAS		Proj00018	OAKLAND X 1104CR288		3UG	EUP	288	11	Congressional District 12	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer
Proj00009-3UG-UGAS	Proj00009-3UG-UGAS	Proj00009	ALTO 1124430		3UG	EUP	610	19	Congressional District 2	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer
Proj00007-3UG-ALT1		Proj00007	LOS GATOS 1107812664				56	2	Congressional District 16, 19	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer
Proj00007-3UG-ALT1		Proj00007	LOS GATOS 1107812664				56	2	Congressional District 16, 19	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer
Proj00007-3UG-ALT1		Proj00007	LOS GATOS 1107812664				56	2	Congressional District 16, 19	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer
Proj00019-3UG-PAS		Proj00019	WOODACRE 1102137662		3UG	EUP	1029	28	Congressional District 2	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer
Proj00019-3UG-UGAS	Proj00019-3UG-UGAS	Proj00019	WOODACRE 1102137662		3UG	EUP	1029	28	Congressional District 2	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer
Proj00020-3UG-PAS		Proj00020	CAMP EVERS 210510294		3UG	EUP	185	8	Congressional District 19	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer
Proj00020-3UG-UGAS	Proj00020-3UG-UGAS	Proj00020	CAMP EVERS 210510294		3UG	EUP	185	8	Congressional District 19	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer
Proj00021-3UG-PAS		Proj00021	STILLWATER 11021466		3UG	EUP	384	20	Congressional District 1	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer
Proj00021-3UG-UGAS	Proj00021-3UG-UGAS	Proj00021	STILLWATER 11021466		3UG	EUP	384	20	Congressional District 1	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer
Proj00008-3UG-ALT1		Proj00008	GEYSERVILLE 1102904170				25	35	Congressional District 2	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer
Proj00008-3UG-ALT1		Proj00008	GEYSERVILLE 1102904170				25	35	Congressional District 2	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer
Proj00008-3UG-ALT1		Proj00008	GEYSERVILLE 1102904170				25	35	Congressional District 2	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer
Proj00022-3UG-PAS		Proj00022	KONOCTI 1102714370		08W, 3UG	EUP, GRC	90	5	Congressional District 4	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer
Proj00022-3UG-UGAS	Proj00022-3UG-UGAS	Proj00022	KONOCTI 1102714370		3UG	EUP	0	0	Congressional District 4	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer
Proj00023-3UG-PAS		Proj00023	PLACERVILLE 21069712		08W, 3UG	EUP, GRC	204	8	Congressional District 3	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer
Proj00023-3UG-UGAS	Proj00023-3UG-UGAS	Proj00023	PLACERVILLE 21069712		3UG	EUP	198	8	Congressional District 3	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer
Proj00024-3UG-PAS		Proj00024	MENLO 1102628458		3UG	EUP	3	0	Congressional District 16	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer
Proj00024-3UG-UGAS	Proj00024-3UG-UGAS	Proj00024	MENLO 1102628458		3UG	EUP	3	0	Congressional District 16	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer
Proj00009-3UG-ALT1		Proj00009	ALTO 1124430				723	48	Congressional District 2	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer
Proj00009-3UG-ALT1		Proj00009	ALTO 1124430				723	48	Congressional District 2	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer
Proj00009-3UG-ALT1		Proj00009	ALTO 1124430				723	48	Congressional District 2	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer
Proj00025-3UG-PAS		Proj00025	ALTO 11221260		3UG	EUP	362	11	Congressional District 2	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer
Proj00025-3UG-UGAS	Proj00025-3UG-UGAS	Proj00025	ALTO 11221260		3UG	EUP	362	11	Congressional District 2	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer
Proj00026-3UG-PAS		Proj00026	CAMP EVERS 2105534190		3UG	EUP	105	2	Congressional District 19	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer
Proj00026-3UG-UGAS	Proj00026-3UG-UGAS	Proj00026	CAMP EVERS 2105534190		3UG	EUP	105	2	Congressional District 19	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer
Proj00027-3UG-PAS		Proj00027	CORTINA 1101302192		3UG	EUP	3	4	Congressional District 1	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer
Proj00027-3UG-UGAS	Proj00027-3UG-UGAS	Proj00027	CORTINA 1101302192		3UG	EUP	3	4	Congressional District 1	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer
Proj00010-3UG-ALT1		Proj00010	LAURELES 111268454				492	42	Congressional District 19	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer
Proj00010-3UG-ALT1		Proj00010	LAURELES 111268454				492	42	Congressional District 19	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer
Proj00010-3UG-ALT1		Proj00010	LAURELES 111268454				492	42	Congressional District 19	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer

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rru_id	oeis_subproject_id	oeis_project_id	circuit_segment_id	qdr_circuit_segment_id	grc_activity_code	filings	customer_count_residential	customer_count_non_residential	state_legislative_district	tranche_level	asset_system_list
Proj00028-3UG-PAS		Proj00028	VOLTA 1102CB		08W, 3UG	EUP, GRC	8	3	Congressional District 1	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer
Proj00009-3UG-UGAS	Proj00009-3UG-UGAS	Proj00009	ALTO 1124430		3UG	EUP	610	19	Congressional District 2	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer
Proj00001-3UG-PAS		Proj00001	PUEBLO 21031970		3UG	EUP	24	4	Congressional District 4	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer
Proj00001-3UG-UGAS	Proj00001-3UG-UGAS	Proj00001	PUEBLO 21031970		3UG	EUP	24	4	Congressional District 4	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer
Proj00002-3UG-PAS		Proj00002	MIWUK 1701CB		3UG	EUP	129	3	Congressional District 5	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer
Proj00002-3UG-UGAS	Proj00002-3UG-UGAS	Proj00002	MIWUK 1701CB		3UG	EUP	129	3	Congressional District 5	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer
Proj00011-3UG-ALT1		Proj00011	EL DORADO PH 2101668674				428	30	Congressional District 3	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer
Proj00011-3UG-ALT1		Proj00011	EL DORADO PH 2101668674				428	30	Congressional District 3	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer
Proj00011-3UG-ALT1		Proj00011	EL DORADO PH 2101668674				428	30	Congressional District 3	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer
Proj00003-3UG-PAS		Proj00003	FORESTHILL 1101CB		3UG	EUP	294	55	Congressional District 3	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer
Proj00003-3UG-UGAS	Proj00003-3UG-UGAS	Proj00003	FORESTHILL 1101CB		3UG	EUP	294	55	Congressional District 3	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer
Proj00004-3UG-PAS		Proj00004	DUNBAR 1103799422		3UG	EUP	6	1	Congressional District 4	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer
Proj00004-3UG-UGAS	Proj00004-3UG-UGAS	Proj00004	DUNBAR 1103799422		3UG	EUP	6	1	Congressional District 4	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer
Proj00005-3UG-PAS		Proj00005	FORESTHILL 11011820		3UG	EUP	31	1	Congressional District 3	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer
Proj00005-3UG-UGAS	Proj00005-3UG-UGAS	Proj00005	FORESTHILL 11011820		3UG	EUP	31	1	Congressional District 3	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer
Proj00012-3UG-ALT1		Proj00012	JESSUP 110168362				254	26	Congressional District 1	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer
Proj00012-3UG-ALT1		Proj00012	JESSUP 110168362				254	26	Congressional District 1	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer
Proj00012-3UG-ALT1		Proj00012	JESSUP 110168362				254	26	Congressional District 1	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer
Proj00006-3UG-PAS		Proj00006	GIRVAN 1101CB		08W, 3UG	EUP, GRC	75	30	Congressional District 1	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer
Proj00009-3UG-UGAS	Proj00009-3UG-UGAS	Proj00009	ALTO 1124430		3UG	EUP	610	19	Congressional District 2	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer
Proj00007-3UG-PAS		Proj00007	LOS GATOS 1107812664		08W, 3UG	EUP, GRC	56	1	Congressional District 16, 19	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer
Proj00011-3UG-UGAS	Proj00011-3UG-UGAS	Proj00011	EL DORADO PH 2101668674		3UG	EUP	174	2	Congressional District 3	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer
Proj00008-3UG-PAS		Proj00008	GEYSERVILLE 1102904170		08W, 3UG	EUP, GRC	18	24	Congressional District 2	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer
Proj00011-3UG-UGAS	Proj00011-3UG-UGAS	Proj00011	EL DORADO PH 2101668674		3UG	EUP	174	2	Congressional District 3	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer
Proj00013-3UG-ALT1		Proj00013	BEN LOMOND 0401944178				440	41	Congressional District 19	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer
Proj00013-3UG-ALT1		Proj00013	BEN LOMOND 0401944178				440	41	Congressional District 19	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer
Proj00013-3UG-ALT1		Proj00013	BEN LOMOND 0401944178				440	41	Congressional District 19	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer
Proj00009-3UG-PAS		Proj00009	ALTO 1124430		08W, 3UG	EUP, GRC	666	22	Congressional District 2	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer
Proj00011-3UG-UGAS	Proj00011-3UG-UGAS	Proj00011	EL DORADO PH 2101668674		3UG	EUP	174	2	Congressional District 3	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer
Proj00010-3UG-PAS		Proj00010	LAURELES 111268454		08W, 3UG	EUP, GRC	339	25	Congressional District 19	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer
Proj00010-3UG-UGAS	Proj00010-3UG-UGAS	Proj00010	LAURELES 111268454		3UG	EUP	290	23	Congressional District 19	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer
Proj00011-3UG-PAS		Proj00011	EL DORADO PH 2101668674		3UG	EUP	174	2	Congressional District 3	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer
Proj00012-3UG-UGAS	Proj00012-3UG-UGAS	Proj00012	JESSUP 110168362		3UG	EUP	26	0	Congressional District 1	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer
Proj00014-3UG-ALT1		Proj00014	WOODACRE 1102851				91	4	Congressional District 2	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer
Proj00014-3UG-ALT1		Proj00014	WOODACRE 1102851				91	4	Congressional District 2	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer
Proj00014-3UG-ALT1		Proj00014	WOODACRE 1102851				91	4	Congressional District 2	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer
Proj00012-3UG-PAS		Proj00012	JESSUP 110168362		08W, 3UG	EUP, GRC	127	16	Congressional District 1	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer
Proj00012-3UG-UGAS	Proj00012-3UG-UGAS	Proj00012	JESSUP 110168362		3UG	EUP	26	0	Congressional District 1	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer
Proj00013-3UG-PAS		Proj00013	BEN LOMOND 0401944178		3UG	EUP	439	42	Congressional District 19	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer
Proj00012-3UG-UGAS	Proj00012-3UG-UGAS	Proj00012	JESSUP 110168362		3UG	EUP	26	0	Congressional District 1	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer
Proj00014-3UG-PAS		Proj00014	WOODACRE 1102851		3UG	EUP	91	4	Congressional District 2	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer
Proj00014-3UG-UGAS	Proj00014-3UG-UGAS	Proj00014	WOODACRE 1102851		3UG	EUP	91	4	Congressional District 2	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer
Proj00015-3UG-ALT1		Proj00015	ELECTRA 1101CB				178	11	Congressional District 5	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer
Proj00015-3UG-ALT1		Proj00015	ELECTRA 1101CB				178	11	Congressional District 5	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer
Proj00015-3UG-ALT1		Proj00015	ELECTRA 1101CB				178	11	Congressional District 5	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer
Proj00015-3UG-PAS		Proj00015	ELECTRA 1101CB		08W, 3UG	EUP, GRC	160	10	Congressional District 5	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer
Proj00013-3UG-UGAS	Proj00013-3UG-UGAS	Proj00013	BEN LOMOND 0401944178		3UG	EUP	439	42	Congressional District 19	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer
Proj00016-3UG-PAS		Proj00016	MARIPOSA 210110070		08W, 3UG	EUP, GRC	217	9	Congressional District 5	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer
Proj00016-3UG-UGAS	Proj00016-3UG-UGAS	Proj00016	MARIPOSA 210110070		3UG	EUP	6	0	Congressional District 5	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer
Proj00017-3UG-PAS		Proj00017	SAN RAFAEL 1108322		08W, 3UG	EUP, GRC	1076	53	Congressional District 2	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer
Proj00013-3UG-UGAS	Proj00013-3UG-UGAS	Proj00013	BEN LOMOND 0401944178		3UG	EUP	439	42	Congressional District 19	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer
Proj00016-3UG-ALT1		Proj00016	MARIPOSA 210110070				221	9	Congressional District 5	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer
Proj00016-3UG-ALT1		Proj00016	MARIPOSA 210110070				221	9	Congressional District 5	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer
Proj00016-3UG-ALT1		Proj00016	MARIPOSA 210110070				221	9	Congressional District 5	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer
Proj00018-3UG-PAS		Proj00018	OAKLAND X 1104CR288		3UG	EUP	288	11	Congressional District 12	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer
Proj00013-3UG-UGAS	Proj00013-3UG-UGAS	Proj00013	BEN LOMOND 0401944178		3UG	EUP	439	42	Congressional District 19	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer
Proj00019-3UG-PAS		Proj00019	WOODACRE 1102137662		3UG	EUP	1029	28	Congressional District 2	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer
Proj00019-3UG-UGAS	Proj00019-3UG-UGAS	Proj00019	WOODACRE 1102137662		3UG	EUP	1029	28	Congressional District 2	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer
Proj00020-3UG-PAS		Proj00020	CAMP EVERS 210510294		3UG	EUP	185	8	Congressional District 19	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer
Proj00020-3UG-UGAS	Proj00020-3UG-UGAS	Proj00020	CAMP EVERS 210510294		3UG	EUP	185	8	Congressional District 19	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer
Proj00017-3UG-ALT1		Proj00017	SAN RAFAEL 1108322				1241	83	Congressional District 2	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer
Proj00017-3UG-ALT1		Proj00017	SAN RAFAEL 1108322				1241	83	Congressional District 2	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer
Proj00017-3UG-ALT1		Proj00017	SAN RAFAEL 1108322				1241	83	Congressional District 2	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer
Proj00021-3UG-PAS		Proj00021	STILLWATER 11021466		3UG	EUP	384	20	Congressional District 1	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer
Proj00021-3UG-UGAS	Proj00021-3UG-UGAS	Proj00021	STILLWATER 11021466		3UG	EUP	384	20	Congressional District 1	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer
Proj00022-3UG-PAS		Proj00022	KONOCTI 1102714370		08W, 3UG	EUP, GRC	90	5	Congressional District 4	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer
Proj00022-3UG-UGAS	Proj00022-3UG-UGAS	Proj00022	KONOCTI 1102714370		3UG	EUP	0	0	Congressional District 4	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer
Proj00023-3UG-PAS		Proj00023	PLACERVILLE 21069712		08W, 3UG	EUP, GRC	204	8	Congressional District 3	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer
Proj00023-3UG-UGAS	Proj00023-3UG-UGAS	Proj00023	PLACERVILLE 21069712		3UG	EUP	198	8	Congressional District 3	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer
Proj00018-3UG-ALT1		Proj00018	OAKLAND X 1104CR288				528	16	Congressional District 12	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer
Proj00018-3UG-ALT1		Proj00018	OAKLAND X 1104CR288				528	16	Congressional District 12	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer
Proj00018-3UG-ALT1		Proj00018	OAKLAND X 1104CR288				528	16	Congressional District 12	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer
Proj00024-3UG-PAS		Proj00024	MENLO 1102628458		3UG	EUP	3	0	Congressional District 16	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer
Proj00024-3UG-UGAS	Proj00024-3UG-UGAS	Proj00024	MENLO 1102628458		3UG	EUP	3	0	Congressional District 16	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer
Proj00025-3UG-PAS		Proj00025	ALTO 11221260		3UG	EUP	362	11	Congressional District 2	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer
Proj00025-3UG-UGAS	Proj00025-3UG-UGAS	Proj00025	ALTO 11221260		3UG	EUP	362	11	Congressional District 2	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer
Proj00026-3UG-PAS		Proj00026	CAMP EVERS 2105534190		3UG	EUP	105	2	Congressional District 19	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer
Proj00026-3UG-UGAS	Proj00026-3UG-UGAS	Proj00026	CAMP EVERS 2105534190		3UG	EUP	105	2	Congressional District 19	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer
Proj00019-3UG-ALT1		Proj00019	WOODACRE 1102137662				1032	53	Congressional District 2	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer
Proj00019-3UG-ALT1		Proj00019	WOODACRE 1102137662				1032	53	Congressional District 2	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer
Proj00019-3UG-ALT1		Proj00019	WOODACRE 1102137662				1032	53	Congressional District 2	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer
Proj00027-3UG-PAS		Proj00027	CORTINA 1101302192		3UG	EUP	3	4	Congressional District 1	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer
Proj00027-3UG-UGAS	Proj00027-3UG-UGAS	Proj00027	CORTINA 1101302192		3UG	EUP	3	4	Congressional District 1	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer
Proj00028-3UG-PAS		Proj00028	VOLTA 1102CB		08W, 3UG	EUP, GRC	8	3	Congressional District 1	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer

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

rru_id	oeis_subproject_id	oeis_project_id	circuit_segment_id	qdr_circuit_segment_id	grc_activity_code	filings	customer_count_residential	customer_count_non_residential	state_legislative_district	tranche_level	asset_system_list
Proj00015-3UG-UGAS	Proj00015-3UG-UGAS	Proj00015	ELECTRA 1101CB		3UG	EUP	159	10	Congressional District 5	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer
Proj00001-3UG-PAS		Proj00001	PUEBLO 21031970		3UG	EUP	24	4	Congressional District 4	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer
Proj00001-3UG-UGAS	Proj00001-3UG-UGAS	Proj00001	PUEBLO 21031970		3UG	EUP	24	4	Congressional District 4	16	PUEBLO 21031970, 213 support structure, 1 capacitor bank, 17 fuse, 12 switch, 69 transformer
Proj00020-3UG-ALT1		Proj00020	CAMP EVERS 210510294				190	8	Congressional District 19	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer
Proj00020-3UG-ALT1		Proj00020	CAMP EVERS 210510294				190	8	Congressional District 19	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer
Proj00020-3UG-ALT1		Proj00020	CAMP EVERS 210510294				190	8	Congressional District 19	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer
Proj00002-3UG-PAS		Proj00002	MIWUK 1701CB		3UG	EUP	129	3	Congressional District 5	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer
Proj00002-3UG-UGAS	Proj00002-3UG-UGAS	Proj00002	MIWUK 1701CB		3UG	EUP	129	3	Congressional District 5	16	MIWUK 1701CB, 191 support structure, 0 capacitor bank, 8 fuse, 10 switch, 97 transformer
Proj00003-3UG-PAS		Proj00003	FORESTHILL 1101CB		3UG	EUP	294	55	Congressional District 3	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer
Proj00003-3UG-UGAS	Proj00003-3UG-UGAS	Proj00003	FORESTHILL 1101CB		3UG	EUP	294	55	Congressional District 3	11	FORESTHILL 1101CB, 347 support structure, 1 capacitor bank, 26 fuse, 11 switch, 115 transformer
Proj00004-3UG-PAS		Proj00004	DUNBAR 1103799422		3UG	EUP	6	1	Congressional District 4	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer
Proj00004-3UG-UGAS	Proj00004-3UG-UGAS	Proj00004	DUNBAR 1103799422		3UG	EUP	6	1	Congressional District 4	2	DUNBAR 1103799422, 12 support structure, 0 capacitor bank, 0 fuse, 2 switch, 6 transformer
Proj00021-3UG-ALT1		Proj00021	STILLWATER 11021466				429	23	Congressional District 1	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer
Proj00021-3UG-ALT1		Proj00021	STILLWATER 11021466				429	23	Congressional District 1	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer
Proj00021-3UG-ALT1		Proj00021	STILLWATER 11021466				429	23	Congressional District 1	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer
Proj00005-3UG-PAS		Proj00005	FORESTHILL 11011820		3UG	EUP	31	1	Congressional District 3	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer
Proj00005-3UG-UGAS	Proj00005-3UG-UGAS	Proj00005	FORESTHILL 11011820		3UG	EUP	31	1	Congressional District 3	9	FORESTHILL 11011820, 128 support structure, 0 capacitor bank, 5 fuse, 8 switch, 26 transformer
Proj00006-3UG-PAS		Proj00006	GIRVAN 1101CB		08W_3UG	EUP, GRC	75	30	Congressional District 1	11	GIRVAN 1101CB, 96 support structure, 1 capacitor bank, 6 fuse, 8 switch, 15 transformer
Proj00015-3UG-UGAS	Proj00015-3UG-UGAS	Proj00015	ELECTRA 1101CB		3UG	EUP	159	10	Congressional District 5	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer
Proj00007-3UG-PAS		Proj00007	LOS GATOS 1107812664		08W_3UG	EUP, GRC	56	1	Congressional District 16, 19	5	LOS GATOS 1107812664, 140 support structure, 0 capacitor bank, 18 fuse, 7 switch, 40 transformer
Proj00015-3UG-UGAS	Proj00015-3UG-UGAS	Proj00015	ELECTRA 1101CB		3UG	EUP	159	10	Congressional District 5	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer
Proj00022-3UG-ALT1		Proj00022	KONOCTI 1102714370				112	6	Congressional District 4	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer
Proj00022-3UG-ALT1		Proj00022	KONOCTI 1102714370				112	6	Congressional District 4	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer
Proj00022-3UG-ALT1		Proj00022	KONOCTI 1102714370				112	6	Congressional District 4	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer
Proj00008-3UG-PAS		Proj00008	GEYSERVILLE 1102904170		08W_3UG	EUP, GRC	18	24	Congressional District 2	5	GEYSERVILLE 1102904170, 279 support structure, 0 capacitor bank, 9 fuse, 1 switch, 75 transformer
Proj00017-3UG-UGAS	Proj00017-3UG-UGAS	Proj00017	SAN RAFAEL 1108322		3UG	EUP	395	11	Congressional District 2	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer
Proj00009-3UG-PAS		Proj00009	ALTO 1124430		08W_3UG	EUP, GRC	666	22	Congressional District 2	16	ALTO 1124430, 379 support structure, 1 capacitor bank, 24 fuse, 5 switch, 141 transformer
Proj00017-3UG-UGAS	Proj00017-3UG-UGAS	Proj00017	SAN RAFAEL 1108322		3UG	EUP	395	11	Congressional District 2	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer
Proj00010-3UG-PAS		Proj00010	LAURELES 111268454		08W_3UG	EUP, GRC	339	25	Congressional District 19	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer
Proj00010-3UG-UGAS	Proj00010-3UG-UGAS	Proj00010	LAURELES 111268454		3UG	EUP	290	23	Congressional District 19	21	LAURELES 111268454, 445 support structure, 1 capacitor bank, 25 fuse, 9 switch, 157 transformer
Proj00023-3UG-ALT1		Proj00023	PLACERVILLE 21069712				214	8	Congressional District 3	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer
Proj00023-3UG-ALT1		Proj00023	PLACERVILLE 21069712				214	8	Congressional District 3	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer
Proj00023-3UG-ALT1		Proj00023	PLACERVILLE 21069712				214	8	Congressional District 3	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer
Proj00011-3UG-PAS		Proj00011	EL DORADO PH 2101668674		3UG	EUP	174	2	Congressional District 3	11	EL DORADO PH 2101668674, 352 support structure, 1 capacitor bank, 19 fuse, 12 switch, 150 transformer
Proj00017-3UG-UGAS	Proj00017-3UG-UGAS	Proj00017	SAN RAFAEL 1108322		3UG	EUP	395	11	Congressional District 2	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer
Proj00012-3UG-PAS		Proj00012	JESSUP 110168362		08W_3UG	EUP, GRC	127	16	Congressional District 1	11	JESSUP 110168362, 245 support structure, 2 capacitor bank, 17 fuse, 12 switch, 98 transformer
Proj00018-3UG-UGAS	Proj00018-3UG-UGAS	Proj00018	OAKLAND X 1104CR288		3UG	EUP	288	11	Congressional District 12	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer
Proj00013-3UG-PAS		Proj00013	BEN LOMOND 0401944178		3UG	EUP	439	42	Congressional District 19	21	BEN LOMOND 0401944178, 330 support structure, 1 capacitor bank, 24 fuse, 21 switch, 130 transformer
Proj00018-3UG-UGAS	Proj00018-3UG-UGAS	Proj00018	OAKLAND X 1104CR288		3UG	EUP	288	11	Congressional District 12	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer
Proj00024-3UG-ALT1		Proj00024	MENLO 1102628458				14	5	Congressional District 16	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer
Proj00024-3UG-ALT1		Proj00024	MENLO 1102628458				14	5	Congressional District 16	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer
Proj00024-3UG-ALT1		Proj00024	MENLO 1102628458				14	5	Congressional District 16	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer
Proj00014-3UG-PAS		Proj00014	WOODACRE 1102851		3UG	EUP	91	4	Congressional District 2	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer
Proj00014-3UG-UGAS	Proj00014-3UG-UGAS	Proj00014	WOODACRE 1102851		3UG	EUP	91	4	Congressional District 2	6	WOODACRE 1102851, 67 support structure, 0 capacitor bank, 0 fuse, 0 switch, 23 transformer
Proj00015-3UG-PAS		Proj00015	ELECTRA 1101CB		08W_3UG	EUP, GRC	160	10	Congressional District 5	4	ELECTRA 1101CB, 508 support structure, 0 capacitor bank, 18 fuse, 11 switch, 137 transformer
Proj00018-3UG-UGAS	Proj00018-3UG-UGAS	Proj00018	OAKLAND X 1104CR288		3UG	EUP	288	11	Congressional District 12	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer
Proj00016-3UG-PAS		Proj00016	MARIPOSA 210110070		08W_3UG	EUP, GRC	217	9	Congressional District 5	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer
Proj00016-3UG-UGAS	Proj00016-3UG-UGAS	Proj00016	MARIPOSA 210110070		3UG	EUP	6	0	Congressional District 5	4	MARIPOSA 210110070, 553 support structure, 0 capacitor bank, 18 fuse, 8 switch, 198 transformer
Proj00025-3UG-ALT1		Proj00025	ALTO 11221260				396	11	Congressional District 2	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer
Proj00025-3UG-ALT1		Proj00025	ALTO 11221260				396	11	Congressional District 2	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer
Proj00025-3UG-ALT1		Proj00025	ALTO 11221260				396	11	Congressional District 2	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer
Proj00017-3UG-PAS		Proj00017	SAN RAFAEL 1108322		08W_3UG	EUP, GRC	1076	53	Congressional District 2	21	SAN RAFAEL 1108322, 431 support structure, 1 capacitor bank, 22 fuse, 13 switch, 141 transformer
Proj00028-3UG-UGAS	Proj00028-3UG-UGAS	Proj00028	VOLTA 1102CB		3UG	EUP	8	3	Congressional District 1	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer
Proj00018-3UG-PAS		Proj00018	OAKLAND X 1104CR288		3UG	EUP	288	11	Congressional District 12	21	OAKLAND X 1104CR288, 164 support structure, 1 capacitor bank, 14 fuse, 14 switch, 42 transformer
Proj00028-3UG-UGAS	Proj00028-3UG-UGAS	Proj00028	VOLTA 1102CB		3UG	EUP	8	3	Congressional District 1	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer
Proj00019-3UG-PAS		Proj00019	WOODACRE 1102137662		3UG	EUP	1029	28	Congressional District 2	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer
Proj00019-3UG-UGAS	Proj00019-3UG-UGAS	Proj00019	WOODACRE 1102137662		3UG	EUP	1029	28	Congressional District 2	16	WOODACRE 1102137662, 429 support structure, 1 capacitor bank, 22 fuse, 9 switch, 130 transformer
Proj00026-3UG-ALT1		Proj00026	CAMP EVERS 2105534190				102	2	Congressional District 19	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer
Proj00026-3UG-ALT1		Proj00026	CAMP EVERS 2105534190				102	2	Congressional District 19	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer
Proj00026-3UG-ALT1		Proj00026	CAMP EVERS 2105534190				102	2	Congressional District 19	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer
Proj00020-3UG-PAS		Proj00020	CAMP EVERS 210510294		3UG	EUP	185	8	Congressional District 19	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer
Proj00020-3UG-UGAS	Proj00020-3UG-UGAS	Proj00020	CAMP EVERS 210510294		3UG	EUP	185	8	Congressional District 19	21	CAMP EVERS 210510294, 213 support structure, 1 capacitor bank, 17 fuse, 13 switch, 64 transformer
Proj00021-3UG-PAS		Proj00021	STILLWATER 11021466		3UG	EUP	384	20	Congressional District 1	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer
Proj00021-3UG-UGAS	Proj00021-3UG-UGAS	Proj00021	STILLWATER 11021466		3UG	EUP	384	20	Congressional District 1	5	STILLWATER 11021466, 623 support structure, 1 capacitor bank, 14 fuse, 8 switch, 219 transformer
Proj00022-3UG-PAS		Proj00022	KONOCTI 1102714370		08W_3UG	EUP, GRC	90	5	Congressional District 4	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer
Proj00022-3UG-UGAS	Proj00022-3UG-UGAS	Proj00022	KONOCTI 1102714370		3UG	EUP	0	0	Congressional District 4	2	KONOCTI 1102714370, 107 support structure, 1 capacitor bank, 6 fuse, 3 switch, 29 transformer
Proj00027-3UG-ALT1		Proj00027	CORTINA 1101302192				25	34	Congressional District 1	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer
Proj00027-3UG-ALT1		Proj00027	CORTINA 1101302192				25	34	Congressional District 1	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer
Proj00027-3UG-ALT1		Proj00027	CORTINA 1101302192				25	34	Congressional District 1	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer
Proj00023-3UG-PAS		Proj00023	PLACERVILLE 21069712		08W_3UG	EUP, GRC	204	8	Congressional District 3	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer
Proj00023-3UG-UGAS	Proj00023-3UG-UGAS	Proj00023	PLACERVILLE 21069712		3UG	EUP	198	8	Congressional District 3	3	PLACERVILLE 21069712, 590 support structure, 0 capacitor bank, 37 fuse, 11 switch, 170 transformer
Proj00024-3UG-PAS		Proj00024	MENLO 1102628458		3UG	EUP	3	0	Congressional District 16	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer
Proj00024-3UG-UGAS	Proj00024-3UG-UGAS	Proj00024	MENLO 1102628458		3UG	EUP	3	0	Congressional District 16	16	MENLO 1102628458, 41 support structure, 0 capacitor bank, 4 fuse, 4 switch, 11 transformer
Proj00025-3UG-PAS		Proj00025	ALTO 11221260		3UG	EUP	362	11	Congressional District 2	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer
Proj00025-3UG-UGAS	Proj00025-3UG-UGAS	Proj00025	ALTO 11221260		3UG	EUP	362	11	Congressional District 2	11	ALTO 11221260, 194 support structure, 0 capacitor bank, 9 fuse, 5 switch, 64 transformer
Proj00028-3UG-ALT1		Proj00028	VOLTA 1102CB				8	3	Congressional District 1	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer
Proj00028-3UG-ALT1		Proj00028	VOLTA 1102CB				8	3	Congressional District 1	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer
Proj00028-3UG-ALT1		Proj00028	VOLTA 1102CB				8	3	Congressional District 1	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer
Proj00026-3UG-PAS		Proj00026	CAMP EVERS 2105534190		3UG	EUP	105	2	Congressional District 19	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer
Proj00026-3UG-UGAS	Proj00026-3UG-UGAS	Proj00026	CAMP EVERS 2105534190		3UG	EUP	105	2	Congressional District 19	16	CAMP EVERS 2105534190, 130 support structure, 0 capacitor bank, 9 fuse, 3 switch, 41 transformer
Proj00027-3UG-PAS		Proj00027	CORTINA 1101302192		3UG	EUP	3	4	Congressional District 1	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer
Proj00027-3UG-UGAS	Proj00027-3UG-UGAS	Proj00027	CORTINA 1101302192		3UG	EUP	3	4	Congressional District 1	10	CORTINA 1101302192, 352 support structure, 0 capacitor bank, 9 fuse, 13 switch, 66 transformer
Proj00028-3UG-PAS		Proj00028	VOLTA 1102CB		08W_3UG	EUP, GRC	8	3	Congressional District 1	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer
Proj00028-3UG-UGAS	Proj00028-3UG-UGAS	Proj00028	VOLTA 1102CB		3UG	EUP	8	3	Congressional District 1	4	VOLTA 1102CB, 102 support structure, 0 capacitor bank, 2 fuse, 4 switch, 12 transformer

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rru_id	total_circuit_miles	total_circuit_miles_ug	risk_ranking	scoping_date	start_date	mitigation_type	undergrounding_mitigation_justification1	undergrounding_mitigation_justification2
Proj00001-3UG-ALT1	3.135967006		329	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00001-3UG-ALT1	3.135967006		329	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00001-3UG-ALT1	3.135967006		329	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00001-3UG-PAS	3.135967006		329	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00001-3UG-UGAS	3.14	3.63	329	8/20/2026	1/10/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00002-3UG-PAS	4.561286176	3.63	669	8/20/2026	1/10/2028	Undergrounding	Overall Utility Risk	
Proj00002-3UG-UGAS	2.57	3.53	669	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00003-3UG-PAS	9.01747145		549	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00003-3UG-UGAS	8.37	11.73	549	8/20/2026	6/24/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00002-3UG-ALT1	4.561286176	24.03	669	8/20/2026	2/16/2028	Overhead Hardening	Overall Utility Risk	
Proj00002-3UG-ALT1	4.561286176	24.03	669	8/20/2026	2/16/2028	Overhead Hardening	Overall Utility Risk	
Proj00002-3UG-ALT1	4.561286176	24.03	669	8/20/2026	2/16/2028	Overhead Hardening	Overall Utility Risk	
Proj00004-3UG-PAS	0.432857929	3.53	1097	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk	
Proj00004-3UG-UGAS	0.43	0.48	1097	8/20/2026	5/20/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00005-3UG-PAS	5.670887728		2122	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00005-3UG-UGAS	5.67	6.69	2122	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00006-3UG-PAS	1.233338092		364	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00006-3UG-UGAS	0.52	0.58	364	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00003-3UG-ALT1	9.01747145		549	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00003-3UG-ALT1	9.01747145		549	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00003-3UG-ALT1	9.01747145		549	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00007-3UG-PAS	8.187804863	9.12	1373	8/20/2026	3/7/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00006-3UG-UGAS	0.52	0.58	364	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00008-3UG-PAS	21.17834497		1064	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00006-3UG-UGAS	0.52	0.58	364	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00009-3UG-PAS	7.051437886	8.25	957	8/20/2026	1/18/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00007-3UG-UGAS	1.16	1.08	1373	8/20/2026	6/5/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00004-3UG-ALT1	0.432857929	1.86	1097	8/20/2026	6/22/2027	Overhead Hardening	Overall Utility Risk	
Proj00004-3UG-ALT1	0.432857929	1.86	1097	8/20/2026	6/22/2027	Overhead Hardening	Overall Utility Risk	
Proj00004-3UG-ALT1	0.432857929	1.86	1097	8/20/2026	6/22/2027	Overhead Hardening	Overall Utility Risk	
Proj00010-3UG-PAS	7.815626401		1111	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00010-3UG-UGAS	6.66	8.25	1111	8/20/2026	2/28/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00011-3UG-PAS	9.351369089	11.73	466	8/20/2026	6/24/2027	Undergrounding	Overall Utility Risk	
Proj00007-3UG-UGAS	1.16	1.08	1373	8/20/2026	6/5/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00012-3UG-PAS	4.854890901	6	676	8/20/2026	3/22/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00007-3UG-UGAS	1.16	1.08	1373	8/20/2026	6/5/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00005-3UG-ALT1	5.670887728		2122	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00005-3UG-ALT1	5.670887728		2122	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00005-3UG-ALT1	5.670887728		2122	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00013-3UG-PAS	7.715229106		833	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00008-3UG-UGAS	8.76	13.54	1064	8/20/2026	2/17/2028	Undergrounding	Overall Utility Risk, Ignition Consequence	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00014-3UG-PAS	1.260822939	0.48	747	8/20/2026	5/20/2028	Undergrounding	Overall Utility Risk	
Proj00014-3UG-UGAS	1.26	1.29	747	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00015-3UG-PAS	23.28232258		956	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00008-3UG-UGAS	8.76	13.54	1064	8/20/2026	2/17/2028	Undergrounding	Overall Utility Risk, Ignition Consequence	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00006-3UG-ALT1	1.233338092	3.72	364	8/20/2026	4/10/2028	Overhead Hardening	Overall Utility Risk	
Proj00006-3UG-ALT1	1.233338092	3.72	364	8/20/2026	4/10/2028	Overhead Hardening	Overall Utility Risk	
Proj00006-3UG-ALT1	1.233338092	3.72	364	8/20/2026	4/10/2028	Overhead Hardening	Overall Utility Risk	
Proj00016-3UG-PAS	25.69597947	5.51	1870	8/20/2026	7/27/2027	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00016-3UG-UGAS	1.4	1.86	1870	8/20/2026	6/30/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00017-3UG-PAS	7.252187247		620	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00008-3UG-UGAS	8.76	13.54	1064	8/20/2026	2/17/2028	Undergrounding	Overall Utility Risk, Ignition Consequence	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00018-3UG-PAS	2.67833823		510	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00009-3UG-UGAS	6.53	9.12	957	8/20/2026	3/14/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00007-3UG-ALT1	8.187804863		1373	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00007-3UG-ALT1	8.187804863		1373	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00007-3UG-ALT1	8.187804863		1373	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00019-3UG-PAS	8.534041043	6.69	836	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	
Proj00019-3UG-UGAS	8.53	11.43	836	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00020-3UG-PAS	4.899493871		2201	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00020-3UG-UGAS	4.9	5.45	2201	8/20/2026	2/17/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00021-3UG-PAS	20.14158015	0.58	1634	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk	
Proj00021-3UG-UGAS	20.14	23.4	1634	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk, Ignition Consequence	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00008-3UG-ALT1	21.17834497	2.46	1064	8/20/2026	5/9/2028	Overhead Hardening	Overall Utility Risk	
Proj00008-3UG-ALT1	21.17834497	2.46	1064	8/20/2026	5/9/2028	Overhead Hardening	Overall Utility Risk	
Proj00008-3UG-ALT1	21.17834497	2.46	1064	8/20/2026	5/9/2028	Overhead Hardening	Overall Utility Risk	
Proj00022-3UG-PAS	2.411340082	10.48	1646	8/20/2026	2/10/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00022-3UG-UGAS	0.28	0.28	1646	8/20/2026	2/14/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00023-3UG-PAS	24.70650298		947	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00023-3UG-UGAS	24.51	33.55	947	8/20/2026	6/23/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00024-3UG-PAS	1.141460638		1776	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00024-3UG-UGAS	1.14	0.58	1776	8/20/2026	6/6/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00009-3UG-ALT1	7.051437886		957	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00009-3UG-ALT1	7.051437886		957	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00009-3UG-ALT1	7.051437886		957	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00025-3UG-PAS	2.841383023	1.08	1678	8/20/2026	6/5/2028	Undergrounding	Overall Utility Risk	
Proj00025-3UG-UGAS	2.84	3.58	1678	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00026-3UG-PAS	3.391908236		2685	8/20/2026		Undergrounding	Overall Utility Risk, Ignition Consequence	
Proj00026-3UG-UGAS	3.39	3.47	2685	8/20/2026	2/3/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00027-3UG-PAS	1.322067785	13.54	215	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk, Ignition Consequence	
Proj00027-3UG-UGAS	1.32	1.35	215	8/20/2026	3/1/2028	Undergrounding	Overall Utility Risk, Outage Program Likelihood	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00010-3UG-ALT1	7.815626401	11.43	1111	8/20/2026	2/2/2028	Overhead Hardening	Overall Utility Risk	
Proj00010-3UG-ALT1	7.815626401	11.43	1111	8/20/2026	2/2/2028	Overhead Hardening	Overall Utility Risk	
Proj00010-3UG-ALT1	7.815626401	11.43	1111	8/20/2026	2/2/2028	Overhead Hardening	Overall Utility Risk	

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rru_id	total_circuit_miles	total_circuit_miles_ug	risk_ranking	scoping_date	start_date	mitigation_type	undergrounding_mitigation_justification1	undergrounding_mitigation_justification2
Proj00028-3UG-PAS	3.337301116	1.29	447	8/20/2026	1/4/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00009-3UG-UGAS	6.53	9.12	957	8/20/2026	3/14/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00001-3UG-PAS	3.135967006		329	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00001-3UG-UGAS	3.14	3.63	329	8/20/2026	1/10/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00002-3UG-PAS	4.561286176	3.63	669	8/20/2026	1/10/2028	Undergrounding	Overall Utility Risk	
Proj00002-3UG-UGAS	2.57	3.53	669	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00011-3UG-ALT1	9.351369089		466	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00011-3UG-ALT1	9.351369089		466	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00011-3UG-ALT1	9.351369089		466	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00003-3UG-PAS	9.01747145		549	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00003-3UG-UGAS	8.37	11.73	549	8/20/2026	6/24/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00004-3UG-PAS	0.432857929	3.53	1097	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk	
Proj00004-3UG-UGAS	0.43	0.48	1097	8/20/2026	5/20/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00005-3UG-PAS	5.670887728		2122	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00005-3UG-UGAS	5.67	6.69	2122	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00012-3UG-ALT1	4.854890901	5.45	676	8/20/2026	2/17/2028	Overhead Hardening	Overall Utility Risk	
Proj00012-3UG-ALT1	4.854890901	5.45	676	8/20/2026	2/17/2028	Overhead Hardening	Overall Utility Risk	
Proj00012-3UG-ALT1	4.854890901	5.45	676	8/20/2026	2/17/2028	Overhead Hardening	Overall Utility Risk	
Proj00006-3UG-PAS	1.233338092		364	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00009-3UG-UGAS	6.53	9.12	957	8/20/2026	3/14/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00007-3UG-PAS	8.187804863	9.12	1373	8/20/2026	3/7/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00011-3UG-UGAS	4.81	6	466	8/20/2026	3/22/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00008-3UG-PAS	21.17834497		1064	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00011-3UG-UGAS	4.81	6	466	8/20/2026	3/22/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00013-3UG-ALT1	7.715229106		833	8/20/2026		Overhead Hardening	Overall Utility Risk, Ignition Consequence	
Proj00013-3UG-ALT1	7.715229106		833	8/20/2026		Overhead Hardening	Overall Utility Risk, Ignition Consequence	
Proj00013-3UG-ALT1	7.715229106		833	8/20/2026		Overhead Hardening	Overall Utility Risk, Ignition Consequence	
Proj00009-3UG-PAS	7.051437886	8.25	957	8/20/2026	1/18/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00011-3UG-UGAS	4.81	6	466	8/20/2026	3/22/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00010-3UG-PAS	7.815626401		1111	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00010-3UG-UGAS	6.66	8.25	1111	8/20/2026	2/28/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00011-3UG-PAS	9.351369089	11.73	466	8/20/2026	6/24/2027	Undergrounding	Overall Utility Risk	
Proj00012-3UG-UGAS	3.5	5.51	676	8/20/2026	7/27/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00014-3UG-ALT1	1.260822939	23.4	747	8/20/2026	12/10/2027	Overhead Hardening	Overall Utility Risk, Ignition Consequence	
Proj00014-3UG-ALT1	1.260822939	23.4	747	8/20/2026	12/10/2027	Overhead Hardening	Overall Utility Risk, Ignition Consequence	
Proj00014-3UG-ALT1	1.260822939	23.4	747	8/20/2026	12/10/2027	Overhead Hardening	Overall Utility Risk, Ignition Consequence	
Proj00012-3UG-PAS	4.854890901	6	676	8/20/2026	3/22/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00012-3UG-UGAS	3.5	5.51	676	8/20/2026	7/27/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00013-3UG-PAS	7.715229106		833	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00012-3UG-UGAS	3.5	5.51	676	8/20/2026	7/27/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00014-3UG-PAS	1.260822939	0.48	747	8/20/2026	5/20/2028	Undergrounding	Overall Utility Risk	
Proj00014-3UG-UGAS	1.26	1.29	747	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00015-3UG-ALT1	23.28232258		956	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00015-3UG-ALT1	23.28232258		956	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00015-3UG-ALT1	23.28232258		956	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00015-3UG-PAS	23.28232258		956	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00013-3UG-UGAS	7.71	10.48	833	8/20/2026	2/10/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00016-3UG-PAS	25.69597947	5.51	1870	8/20/2026	7/27/2027	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00016-3UG-UGAS	1.4	1.86	1870	8/20/2026	6/30/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00017-3UG-PAS	7.252187247		620	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00013-3UG-UGAS	7.71	10.48	833	8/20/2026	2/10/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00016-3UG-ALT1	25.69597947	0.28	1870	8/20/2026	2/14/2028	Overhead Hardening	Overall Utility Risk	
Proj00016-3UG-ALT1	25.69597947	0.28	1870	8/20/2026	2/14/2028	Overhead Hardening	Overall Utility Risk	
Proj00016-3UG-ALT1	25.69597947	0.28	1870	8/20/2026	2/14/2028	Overhead Hardening	Overall Utility Risk	
Proj00018-3UG-PAS	2.67833823		510	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00013-3UG-UGAS	7.71	10.48	833	8/20/2026	2/10/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00019-3UG-PAS	8.534041043	6.69	836	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	
Proj00019-3UG-UGAS	8.53	11.43	836	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00020-3UG-PAS	4.899493871		2201	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00020-3UG-UGAS	4.9	5.45	2201	8/20/2026	2/17/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00017-3UG-ALT1	7.252187247		620	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00017-3UG-ALT1	7.252187247		620	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00017-3UG-ALT1	7.252187247		620	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00021-3UG-PAS	20.14158015	0.58	1634	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk	
Proj00021-3UG-UGAS	20.14	23.4	1634	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk, Ignition Consequence	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00022-3UG-PAS	2.411340082	10.48	1646	8/20/2026	2/10/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00022-3UG-UGAS	0.28	0.28	1646	8/20/2026	2/14/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00023-3UG-PAS	24.70650298		947	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00023-3UG-UGAS	24.51	33.55	947	8/20/2026	6/23/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00018-3UG-ALT1	2.67833823	33.55	510	8/20/2026	6/23/2027	Overhead Hardening	Overall Utility Risk	
Proj00018-3UG-ALT1	2.67833823	33.55	510	8/20/2026	6/23/2027	Overhead Hardening	Overall Utility Risk	
Proj00018-3UG-ALT1	2.67833823	33.55	510	8/20/2026	6/23/2027	Overhead Hardening	Overall Utility Risk	
Proj00024-3UG-PAS	1.141460638		1776	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00024-3UG-UGAS	1.14	0.58	1776	8/20/2026	6/6/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00025-3UG-PAS	2.841383023	1.08	1678	8/20/2026	6/5/2028	Undergrounding	Overall Utility Risk	
Proj00025-3UG-UGAS	2.84	3.58	1678	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00026-3UG-PAS	3.391908236		2685	8/20/2026		Undergrounding	Overall Utility Risk, Ignition Consequence	
Proj00026-3UG-UGAS	3.39	3.47	2685	8/20/2026	2/3/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00019-3UG-ALT1	8.534041043		836	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00019-3UG-ALT1	8.534041043		836	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00019-3UG-ALT1	8.534041043		836	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00027-3UG-PAS	1.322067785	13.54	215	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk, Ignition Consequence	
Proj00027-3UG-UGAS	1.32	1.35	215	8/20/2026	3/1/2028	Undergrounding	Overall Utility Risk, Outage Program Likelihood	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00028-3UG-PAS	3.337301116	1.29	447	8/20/2026	1/4/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	

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

rru_id	total_circuit_miles	total_circuit_miles_ug	risk_ranking	scoping_date	start_date	mitigation_type	undergrounding_mitigation_justification1	undergrounding_mitigation_justification2
Proj00015-3UG-UGAS	18.99	24.03	956	8/20/2026	2/16/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00001-3UG-PAS	3.135967006		329	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00001-3UG-UGAS	3.14	3.63	329	8/20/2026	1/10/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00020-3UG-ALT1	4.899493871	0.58	2201	8/20/2026	6/6/2028	Overhead Hardening	Overall Utility Risk	
Proj00020-3UG-ALT1	4.899493871	0.58	2201	8/20/2026	6/6/2028	Overhead Hardening	Overall Utility Risk	
Proj00020-3UG-ALT1	4.899493871	0.58	2201	8/20/2026	6/6/2028	Overhead Hardening	Overall Utility Risk	
Proj00002-3UG-PAS	4.561286176	3.63	669	8/20/2026	1/10/2028	Undergrounding	Overall Utility Risk	
Proj00002-3UG-UGAS	2.57	3.53	669	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00003-3UG-PAS	9.01747145		549	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00003-3UG-UGAS	8.37	11.73	549	8/20/2026	6/24/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00004-3UG-PAS	0.432857929	3.53	1097	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk	
Proj00004-3UG-UGAS	0.43	0.48	1097	8/20/2026	5/20/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00021-3UG-ALT1	20.14158015		1634	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00021-3UG-ALT1	20.14158015		1634	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00021-3UG-ALT1	20.14158015		1634	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00005-3UG-PAS	5.670887728		2122	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00005-3UG-UGAS	5.67	6.69	2122	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00006-3UG-PAS	1.233338092		364	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00015-3UG-UGAS	18.99	24.03	956	8/20/2026	2/16/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00007-3UG-PAS	8.187804863	9.12	1373	8/20/2026	3/7/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00015-3UG-UGAS	18.99	24.03	956	8/20/2026	2/16/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00022-3UG-ALT1	2.411340082	3.58	1646	8/20/2026	1/4/2028	Overhead Hardening	Overall Utility Risk	
Proj00022-3UG-ALT1	2.411340082	3.58	1646	8/20/2026	1/4/2028	Overhead Hardening	Overall Utility Risk	
Proj00022-3UG-ALT1	2.411340082	3.58	1646	8/20/2026	1/4/2028	Overhead Hardening	Overall Utility Risk	
Proj00008-3UG-PAS	21.17834497		1064	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00017-3UG-UGAS	2.93	3.72	620	8/20/2026	4/10/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00009-3UG-PAS	7.051437886	8.25	957	8/20/2026	1/18/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00017-3UG-UGAS	2.93	3.72	620	8/20/2026	4/10/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00010-3UG-PAS	7.815626401		1111	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00010-3UG-UGAS	6.66	8.25	1111	8/20/2026	2/28/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00023-3UG-ALT1	24.70650298		947	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00023-3UG-ALT1	24.70650298		947	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00023-3UG-ALT1	24.70650298		947	8/20/2026		Overhead Hardening	Overall Utility Risk	
Proj00011-3UG-PAS	9.351369089	11.73	466	8/20/2026	6/24/2027	Undergrounding	Overall Utility Risk	
Proj00017-3UG-UGAS	2.93	3.72	620	8/20/2026	4/10/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00012-3UG-PAS	4.854890901	6	676	8/20/2026	3/22/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00018-3UG-UGAS	2.395409	2.46	510	8/20/2026	5/9/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00013-3UG-PAS	7.715229106		833	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00018-3UG-UGAS	2.395409	2.46	510	8/20/2026	5/9/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00024-3UG-ALT1	1.141460638	3.47	1776	8/20/2026	2/3/2028	Overhead Hardening	Overall Utility Risk	
Proj00024-3UG-ALT1	1.141460638	3.47	1776	8/20/2026	2/3/2028	Overhead Hardening	Overall Utility Risk	
Proj00024-3UG-ALT1	1.141460638	3.47	1776	8/20/2026	2/3/2028	Overhead Hardening	Overall Utility Risk	
Proj00014-3UG-PAS	1.260822939	0.48	747	8/20/2026	5/20/2028	Undergrounding	Overall Utility Risk	
Proj00014-3UG-UGAS	1.26	1.29	747	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00015-3UG-PAS	23.28232258		956	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00018-3UG-UGAS	2.395409	2.46	510	8/20/2026	5/9/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00016-3UG-PAS	25.69597947	5.51	1870	8/20/2026	7/27/2027	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00016-3UG-UGAS	1.4	1.86	1870	8/20/2026	6/30/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00025-3UG-ALT1	2.841383023		1678	8/20/2026		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00025-3UG-ALT1	2.841383023		1678	8/20/2026		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00025-3UG-ALT1	2.841383023		1678	8/20/2026		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00017-3UG-PAS	7.252187247		620	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00028-3UG-UGAS	2.65	2.88	447	8/20/2026	12/15/2027	Undergrounding	Overall Utility Risk, Outage Program Likelihood	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00018-3UG-PAS	2.67833823		510	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00028-3UG-UGAS	2.65	2.88	447	8/20/2026	12/15/2027	Undergrounding	Overall Utility Risk, Outage Program Likelihood	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00019-3UG-PAS	8.534041043	6.69	836	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	
Proj00019-3UG-UGAS	8.53	11.43	836	8/20/2026	2/2/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on BCR within 30% of Highest BCR from Screen 3 Alternatives
Proj00026-3UG-ALT1	3.391908236	1.35	2685	8/20/2026	3/1/2028	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00026-3UG-ALT1	3.391908236	1.35	2685	8/20/2026	3/1/2028	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00026-3UG-ALT1	3.391908236	1.35	2685	8/20/2026	3/1/2028	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00020-3UG-PAS	4.899493871		2201	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00020-3UG-UGAS	4.9	5.45	2201	8/20/2026	2/17/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00021-3UG-PAS	20.14158015	0.58	1634	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk	
Proj00021-3UG-UGAS	20.14	23.4	1634	8/20/2026	12/10/2027	Undergrounding	Overall Utility Risk, Ignition Consequence	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00022-3UG-PAS	2.411340082	10.48	1646	8/20/2026	2/10/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00022-3UG-UGAS	0.28	0.28	1646	8/20/2026	2/14/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00027-3UG-ALT1	1.322067785		215	8/20/2026		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00027-3UG-ALT1	1.322067785		215	8/20/2026		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00027-3UG-ALT1	1.322067785		215	8/20/2026		Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00023-3UG-PAS	24.70650298		947	8/20/2026		Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00023-3UG-UGAS	24.51	33.55	947	8/20/2026	6/23/2027	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00024-3UG-PAS	1.141460638		1776	8/20/2026		Undergrounding	Overall Utility Risk	
Proj00024-3UG-UGAS	1.14	0.58	1776	8/20/2026	6/6/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00025-3UG-PAS	2.841383023	1.08	1678	8/20/2026	6/5/2028	Undergrounding	Overall Utility Risk	
Proj00025-3UG-UGAS	2.84	3.58	1678	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Operational Feasibility Requirements
Proj00028-3UG-ALT1	3.337301116	2.88	447	8/20/2026	12/15/2027	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00028-3UG-ALT1	3.337301116	2.88	447	8/20/2026	12/15/2027	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00028-3UG-ALT1	3.337301116	2.88	447	8/20/2026	12/15/2027	Overhead Hardening	Overall Utility Risk, Outage Program Likelihood	
Proj00026-3UG-PAS	3.391908236		2685	8/20/2026		Undergrounding	Overall Utility Risk, Ignition Consequence	
Proj00026-3UG-UGAS	3.39	3.47	2685	8/20/2026	2/3/2028	Undergrounding	Overall Utility Risk	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00027-3UG-PAS	1.322067785	13.54	215	8/20/2026	1/4/2028	Undergrounding	Overall Utility Risk, Ignition Consequence	
Proj00027-3UG-UGAS	1.32	1.35	215	8/20/2026	3/1/2028	Undergrounding	Overall Utility Risk, Outage Program Likelihood	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR
Proj00028-3UG-PAS	3.337301116	1.29	447	8/20/2026	1/4/2028	Overhead Hardening, Undergrounding	Overall Utility Risk	
Proj00028-3UG-UGAS	2.65	2.88	447	8/20/2026	12/15/2027	Undergrounding	Overall Utility Risk, Outage Program Likelihood	Subprojects are created to separate mitigation types when the economic decision warrants | Project selected based on Highest BCR

SPD-37
Pacific Gas and Electric Company
Electrical Undergrounding Program
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rru_id	status	used_and_useful_date	bcr_year_zero	useful_life	ignition_pre_mitigated_likelihood	ignition_pre_mitigated_safety_consequences	ignition_pre_mitigated_residential_reliability_consequences	ignition_pre_mitigated_non_residential_reliability_consequences	ignition_pre_mitigated_financial_consequences	ignition_post_mitigated_likelihood
Proj00001-3UG-ALT1			2028	48	0.038690036	0.20907354	0.015947042	1.20138439	2.319465716	0.021221899
Proj00001-3UG-ALT1			2028	48	0.038690036	0.20907354	0.015947042	1.20138439	2.319465716	0.021221899
Proj00001-3UG-ALT1			2028	48	0.038690036	0.20907354	0.015947042	1.20138439	2.319465716	0.021221899
Proj00001-3UG-PAS		9/28/2028	2028	55	0.038690036	0.20907354	0.015947042	1.20138439	2.319465716	0.002448327
Proj00001-3UG-UGAS	Designing	9/28/2028	2028	55	0.038690036	0.20907354	0.015947042	1.20138439	2.319465716	0.002448327
Proj00002-3UG-PAS	Designing	9/28/2028	2028	55	0.019036013	0.248861446	0.018981856	1.430014799	2.760873478	0.009472083
Proj00002-3UG-UGAS	Scoping	11/6/2028	2028	55	0.01073098	0.248861446	0.018981856	1.430014799	2.760873478	0.001171718
Proj00003-3UG-PAS		10/6/2028	2028	55	0.036771713	0.345171644	0.026327897	1.983435233	3.8293406	0.005699435
Proj00003-3UG-UGAS	Scoping	10/2/2028	2028	55	0.034121123	0.345171644	0.026327897	1.983435233	3.8293406	0.003081431
Proj00002-3UG-ALT1	Scoping	12/27/2028	2028	48	0.019036013	0.248861446	0.018981856	1.430014799	2.760873478	0.01458276
Proj00002-3UG-ALT1	Scoping	12/27/2028	2028	48	0.019036013	0.248861446	0.018981856	1.430014799	2.760873478	0.01458276
Proj00002-3UG-ALT1	Scoping	12/27/2028	2028	48	0.019036013	0.248861446	0.018981856	1.430014799	2.760873478	0.01458276
Proj00004-3UG-PAS	Scoping	11/6/2028	2028	55	0.001360101	1.634349235	0.124659656	9.391344592	18.13150061	8.38E-05
Proj00004-3UG-UGAS	Scoping	10/9/2028	2028	55	0.001360101	1.634349235	0.124659656	9.391344592	18.13150061	7.62E-05
Proj00005-3UG-PAS		9/7/2028	2028	55	0.010372174	0.639423905	0.048771928	3.674276036	7.093780613	0.00070538
Proj00005-3UG-UGAS	Scoping	10/30/2028	2028	55	0.010372174	0.639423905	0.048771928	3.674276036	7.093780613	0.000713912
Proj00006-3UG-PAS		9/27/2028	2028	55	0.012947138	0.387692067	0.029571134	2.227767307	4.301062951	0.003741138
Proj00006-3UG-UGAS	Permitting	8/2/2028	2028	55	0.005458764	0.387692067	0.029571134	2.227767307	4.301062951	0.00049237
Proj00003-3UG-ALT1			2028	48	0.036771713	0.345171644	0.026327897	1.983435233	3.8293406	0.022202252
Proj00003-3UG-ALT1			2028	48	0.036771713	0.345171644	0.026327897	1.983435233	3.8293406	0.022202252
Proj00003-3UG-ALT1			2028	48	0.036771713	0.345171644	0.026327897	1.983435233	3.8293406	0.022202252
Proj00007-3UG-PAS	Scoping	11/16/2028	2028	55	0.012850274	2.708287253	0.20657406	15.56243812	30.04578882	0.00618217
Proj00006-3UG-UGAS	Permitting	8/2/2028	2028	55	0.005458764	0.387692067	0.029571134	2.227767307	4.301062951	0.00049237
Proj00008-3UG-PAS		11/9/2028	2028	55	0.026612303	3.642677634	0.277844496	20.93165901	40.41193297	0.010287227
Proj00006-3UG-UGAS	Permitting	8/2/2028	2028	55	0.005458764	0.387692067	0.029571134	2.227767307	4.301062951	0.00049237
Proj00009-3UG-PAS	Scoping	12/22/2028	2028	55	0.066115336	0.236931314	0.018071888	1.361461534	2.628520378	0.006461681
Proj00007-3UG-UGAS	Designing	11/8/2028	2028	55	0.001820552	2.708287253	0.20657406	15.56243812	30.04578882	0.000102076
Proj00004-3UG-ALT1	Scoping	12/26/2028	2028	48	0.001360101	1.634349235	0.124659656	9.391344592	18.13150061	0.000819263
Proj00004-3UG-ALT1	Scoping	12/26/2028	2028	48	0.001360101	1.634349235	0.124659656	9.391344592	18.13150061	0.000819263
Proj00004-3UG-ALT1	Scoping	12/26/2028	2028	48	0.001360101	1.634349235	0.124659656	9.391344592	18.13150061	0.000819263
Proj00010-3UG-PAS		12/22/2028	2028	55	0.083626211	0.135632257	0.010345323	0.779373975	1.504706761	0.012204157
Proj00010-3UG-UGAS	Scoping	12/22/2028	2028	55	0.071261122	0.135632257	0.010345323	0.779373975	1.504706761	0.005121054
Proj00011-3UG-PAS	Scoping	10/2/2028	2028	55	0.038218947	0.305071258	0.023269248	1.753009238	3.384466171	0.020300447
Proj00007-3UG-UGAS	Designing	11/8/2028	2028	55	0.001820552	2.708287253	0.20657406	15.56243812	30.04578882	0.000102076
Proj00012-3UG-PAS	Scoping	11/22/2028	2028	55	0.0358941	0.31772241	0.024234341	1.825715361	3.52483703	0.008262856
Proj00007-3UG-UGAS	Designing	11/8/2028	2028	55	0.001820552	2.708287253	0.20657406	15.56243812	30.04578882	0.000102076
Proj00005-3UG-ALT1			2028	48	0.010372174	0.639423905	0.048771928	3.674276036	7.093780613	0.006319724
Proj00005-3UG-ALT1			2028	48	0.010372174	0.639423905	0.048771928	3.674276036	7.093780613	0.006319724
Proj00005-3UG-ALT1			2028	48	0.010372174	0.639423905	0.048771928	3.674276036	7.093780613	0.006319724
Proj00013-3UG-PAS		8/8/2028	2028	55	0.083097701	0.141865896	0.010820792	0.815193894	1.573862873	0.005742894
Proj00008-3UG-UGAS	Designing	12/11/2028	2028	55	0.011007651	3.642677634	0.277844496	20.93165901	40.41193297	0.000789675
Proj00014-3UG-PAS	Scoping	10/9/2028	2028	55	0.008595652	0.605269929	0.046166841	3.478019478	6.714875776	0.00057695
Proj00014-3UG-UGAS	Scoping	7/10/2028	2028	55	0.008595652	0.605269929	0.046166841	3.478019478	6.714875776	0.000579785
Proj00015-3UG-PAS		8/7/2028	2028	55	0.043003742	2.693456185	0.205442823	15.47721541	29.88125268	0.006305614
Proj00008-3UG-UGAS	Designing	12/11/2028	2028	55	0.011007651	3.642677634	0.277844496	20.93165901	40.41193297	0.000789675
Proj00006-3UG-ALT1	Designing	11/2/2028	2028	48	0.012947138	0.387692067	0.029571134	2.227767307	4.301062951	0.007371348
Proj00006-3UG-ALT1	Designing	11/2/2028	2028	48	0.012947138	0.387692067	0.029571134	2.227767307	4.301062951	0.007371348
Proj00006-3UG-ALT1	Designing	11/2/2028	2028	48	0.012947138	0.387692067	0.029571134	2.227767307	4.301062951	0.007371348
Proj00016-3UG-PAS	Scoping	8/7/2028	2028	55	0.040871397	2.766387628	0.211005654	15.8962967	30.69035545	0.021895215
Proj00016-3UG-UGAS	Scoping	12/26/2028	2028	55	0.002226806	2.766387628	0.211005654	15.8962967	30.69035545	0.000152655
Proj00017-3UG-PAS		11/29/2028	2028	55	0.080566102	0.144541341	0.011024861	0.830567612	1.603544308	0.027833581
Proj00008-3UG-UGAS	Designing	12/11/2028	2028	55	0.011007651	3.642677634	0.277844496	20.93165901	40.41193297	0.000789675
Proj00018-3UG-PAS		8/15/2028	2028	55	0.022817177	0.126435896	0.009643857	0.726528433	1.402679947	0.003687129
Proj00009-3UG-UGAS	Scoping	11/16/2028	2028	55	0.061226238	0.236931314	0.018071888	1.361461534	2.628520378	0.004063814
Proj00007-3UG-ALT1			2028	48	0.012850274	2.708287253	0.20657406	15.56243812	30.04578882	0.007083777
Proj00007-3UG-ALT1			2028	48	0.012850274	2.708287253	0.20657406	15.56243812	30.04578882	0.007083777
Proj00007-3UG-ALT1			2028	48	0.012850274	2.708287253	0.20657406	15.56243812	30.04578882	0.007083777
Proj00019-3UG-PAS	Scoping	10/30/2028	2028	55	0.087050782	0.215676126	0.016450653	1.239324361	2.392714929	0.005471512
Proj00019-3UG-UGAS	Scoping	11/27/2028	2028	55	0.087050782	0.215676126	0.016450653	1.239324361	2.392714929	0.005516035
Proj00020-3UG-PAS		7/3/2028	2028	55	0.060034002	0.148893156	0.011356795	0.855574135	1.651823421	0.003586607
Proj00020-3UG-UGAS	Scoping	7/3/2028	2028	55	0.060034002	0.148893156	0.011356795	0.855574135	1.651823421	0.003646305
Proj00021-3UG-PAS	Permitting	8/2/2028	2028	55	0.031880978	2.980351373	0.227325695	17.1257808	33.06407319	0.002285749
Proj00021-3UG-UGAS	Scoping	3/13/2029	2028	55	0.031880978	2.980351373	0.227325695	17.1257808	33.06407319	0.002285749
Proj00008-3UG-ALT1	Designing	12/13/2028	2028	48	0.026612303	3.642677634	0.277844496	20.93165901	40.41193297	0.015603614
Proj00008-3UG-ALT1	Designing	12/13/2028	2028	48	0.026612303	3.642677634	0.277844496	20.93165901	40.41193297	0.015603614
Proj00008-3UG-ALT1	Designing	12/13/2028	2028	48	0.026612303	3.642677634	0.277844496	20.93165901	40.41193297	0.015603614
Proj00022-3UG-PAS	Scoping	8/8/2028	2028	55	0.007439318	1.828139979	0.139441005	10.50491054	20.2814187	0.003905178
Proj00022-3UG-UGAS	Designing	5/1/2028	2028	55	0.000863839	1.828139979	0.139441005	10.50491054	20.2814187	7.56E-05
Proj00023-3UG-PAS		11/30/2028	2028	55	0.059927617	2.051081319	0.156445811	11.78598248	22.75473404	0.004531439
Proj00023-3UG-UGAS	Scoping	12/26/2028	2028	55	0.059450991	2.051081319	0.156445811	11.78598248	22.75473404	0.004299212
Proj00024-3UG-PAS		11/16/2028	2028	55	0.006035938	0.273972814	0.020897221	1.574310465	3.03945946	0.0003804
Proj00024-3UG-UGAS	Designing	12/11/2028	2028	55	0.006035938	0.273972814	0.020897221	1.574310465	3.03945946	0.000378623
Proj00009-3UG-ALT1			2028	48	0.066115336	0.236931314	0.018071888	1.361461534	2.628520378	0.037167719
Proj00009-3UG-ALT1			2028	48	0.066115336	0.236931314	0.018071888	1.361461534	2.628520378	0.037167719
Proj00009-3UG-ALT1			2028	48	0.066115336	0.236931314	0.018071888	1.361461534	2.628520378	0.037167719
Proj00025-3UG-PAS	Designing	11/8/2028	2028	55	0.029321136	0.526675137	0.040172039	3.026395821	5.842943697	0.001879402
Proj00025-3UG-UGAS	Scoping	8/24/2028	2028	55	0.029321136	0.526675137	0.040172039	3.026395821	5.842943697	0.001893998
Proj00026-3UG-PAS		7/3/2028	2028	55	0.031928444	0.197686047	0.015078463	1.135949251	2.19313266	0.00181383
Proj00026-3UG-UGAS	Scoping	7/3/2028	2028	55	0.031928444	0.197686047	0.015078463	1.135949251	2.19313266	0.00181383
Proj00027-3UG-PAS	Permitting	12/11/2028	2028	55	0.024724523	0.76135095	0.058071889	4.374896729	8.446441502	0.001539168
Proj00027-3UG-UGAS	Designing	9/1/2028	2028	55	0.024724523	0.76135095	0.058071889	4.374896729	8.446441502	0.001524825
Proj00010-3UG-ALT1	Scoping	11/27/2028	2028	48	0.083626211	0.135632257	0.010345323	0.779373975	1.504706761	0.048214359
Proj00010-3UG-ALT1	Scoping	11/27/2028	2028	48	0.083626211	0.135632257	0.010345323	0.779373975	1.504706761	0.048214359
Proj00010-3UG-ALT1	Scoping	11/27/2028	2028	48	0.083626211	0.135632257	0.010345323	0.779373975	1.504706761	0.048214359

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rru_id	status	used_and_useful_date	bcr_year_zero	useful_life	ignition_pre_mitigated_likelihood	ignition_pre_mitigated_safety_consequences	ignition_pre_mitigated_residential_reliability_consequences	ignition_pre_mitigated_non_residential_reliability_consequences	ignition_pre_mitigated_financial_consequences	ignition_post_mitigated_likelihood
Proj00028-3UG-PAS	Scoping	7/10/2028	2028	55	0.006035973	1.231320984	0.093918758	7.075452062	13.66029775	0.001279217
Proj00009-3UG-UGAS	Scoping	11/16/2028	2028	55	0.061226238	0.236931314	0.018071888	1.361461534	2.628520378	0.004063814
Proj00001-3UG-PAS		9/28/2028	2028	55	0.038690036	0.20907354	0.015947042	1.20138439	2.319465716	0.002448327
Proj00001-3UG-UGAS	Designing	9/28/2028	2028	55	0.038690036	0.20907354	0.015947042	1.20138439	2.319465716	0.002448327
Proj00002-3UG-PAS	Designing	9/28/2028	2028	55	0.019036013	0.248861446	0.018981856	1.430014799	2.760873478	0.009472083
Proj00002-3UG-UGAS	Scoping	11/6/2028	2028	55	0.01073098	0.248861446	0.018981856	1.430014799	2.760873478	0.001171718
Proj00011-3UG-ALT1			2028	48	0.038218947	0.305071258	0.023269248	1.753009238	3.384466171	0.029856278
Proj00011-3UG-ALT1			2028	48	0.038218947	0.305071258	0.023269248	1.753009238	3.384466171	0.029856278
Proj00011-3UG-ALT1			2028	48	0.038218947	0.305071258	0.023269248	1.753009238	3.384466171	0.029856278
Proj00003-3UG-PAS		10/6/2028	2028	55	0.036771713	0.345171644	0.026327897	1.983435233	3.8293406	0.005698435
Proj00003-3UG-UGAS	Scoping	10/2/2028	2028	55	0.034121123	0.345171644	0.026327897	1.983435233	3.8293406	0.003081431
Proj00004-3UG-PAS	Scoping	11/6/2028	2028	55	0.001360101	1.634349235	0.124659656	9.391344592	18.13150061	8.38E-05
Proj00004-3UG-UGAS	Scoping	10/9/2028	2028	55	0.001360101	1.634349235	0.124659656	9.391344592	18.13150061	7.62E-05
Proj00005-3UG-PAS		9/7/2028	2028	55	0.010372174	0.639423905	0.048771928	3.674276036	7.093780613	0.00070538
Proj00005-3UG-UGAS	Scoping	10/30/2028	2028	55	0.010372174	0.639423905	0.048771928	3.674276036	7.093780613	0.000713912
Proj00012-3UG-ALT1	Scoping	7/3/2028	2028	48	0.0358941	0.3177241	0.024234341	1.825715361	3.52483703	0.021719065
Proj00012-3UG-ALT1	Scoping	7/3/2028	2028	48	0.0358941	0.3177241	0.024234341	1.825715361	3.52483703	0.021719065
Proj00012-3UG-ALT1	Scoping	7/3/2028	2028	48	0.0358941	0.3177241	0.024234341	1.825715361	3.52483703	0.021719065
Proj00006-3UG-PAS		9/27/2028	2028	55	0.012947138	0.387692067	0.029571134	2.227787307	4.301062951	0.003741138
Proj00009-3UG-UGAS	Scoping	11/16/2028	2028	55	0.061226238	0.236931314	0.018071888	1.361461534	2.628520378	0.004063814
Proj00007-3UG-PAS	Scoping	11/16/2028	2028	55	0.012850274	2.708287253	0.20657406	15.56243812	30.04578882	0.00618217
Proj00011-3UG-UGAS	Scoping	11/22/2028	2028	55	0.019664016	0.305071258	0.023269248	1.753009238	3.384466171	0.001758749
Proj00008-3UG-PAS		11/9/2028	2028	55	0.026612303	3.642677634	0.277844496	20.93165901	40.41193297	0.010287227
Proj00011-3UG-UGAS	Scoping	11/22/2028	2028	55	0.019664016	0.305071258	0.023269248	1.753009238	3.384466171	0.001758749
Proj00013-3UG-ALT1			2028	48	0.083097701	0.141865896	0.010820792	0.815193894	1.573862873	0.049924859
Proj00013-3UG-ALT1			2028	48	0.083097701	0.141865896	0.010820792	0.815193894	1.573862873	0.049924859
Proj00013-3UG-ALT1			2028	48	0.083097701	0.141865896	0.010820792	0.815193894	1.573862873	0.049924859
Proj00009-3UG-PAS	Scoping	12/22/2028	2028	55	0.066115336	0.236931314	0.018071888	1.361461534	2.628520378	0.006461681
Proj00011-3UG-UGAS	Scoping	11/22/2028	2028	55	0.019664016	0.305071258	0.023269248	1.753009238	3.384466171	0.001758749
Proj00010-3UG-PAS		12/22/2028	2028	55	0.083626211	0.135632257	0.010345323	0.779373975	1.504706761	0.012204157
Proj00010-3UG-UGAS	Scoping	12/22/2028	2028	55	0.071261122	0.135632257	0.010345323	0.779373975	1.504706761	0.005121054
Proj00011-3UG-PAS	Scoping	10/2/2028	2028	55	0.038218947	0.305071258	0.023269248	1.753009238	3.384466171	0.020300447
Proj00012-3UG-UGAS	Scoping	8/7/2028	2028	55	0.025878869	0.3177241	0.024234341	1.825715361	3.52483703	0.002216145
Proj00014-3UG-ALT1	Scoping	3/13/2029	2028	48	0.008595652	0.605269929	0.046166841	3.478019478	6.714875776	0.004863607
Proj00014-3UG-ALT1	Scoping	3/13/2029	2028	48	0.008595652	0.605269929	0.046166841	3.478019478	6.714875776	0.004863607
Proj00014-3UG-ALT1	Scoping	3/13/2029	2028	48	0.008595652	0.605269929	0.046166841	3.478019478	6.714875776	0.004863607
Proj00012-3UG-PAS	Scoping	11/22/2028	2028	55	0.0358941	0.3177241	0.024234341	1.825715361	3.52483703	0.008262856
Proj00012-3UG-UGAS	Scoping	8/7/2028	2028	55	0.025878869	0.3177241	0.024234341	1.825715361	3.52483703	0.002216145
Proj00013-3UG-PAS		8/8/2028	2028	55	0.083097701	0.141865896	0.010820792	0.815193894	1.573862873	0.005742894
Proj00012-3UG-UGAS	Scoping	8/7/2028	2028	55	0.025878869	0.3177241	0.024234341	1.825715361	3.52483703	0.002216145
Proj00014-3UG-PAS	Scoping	10/9/2028	2028	55	0.008595652	0.605269929	0.046166841	3.478019478	6.714875776	0.00057695
Proj00014-3UG-UGAS	Scoping	7/10/2028	2028	55	0.008595652	0.605269929	0.046166841	3.478019478	6.714875776	0.000579785
Proj00015-3UG-ALT1			2028	48	0.043003742	2.693456185	0.205442823	15.47721541	29.88125268	0.024852853
Proj00015-3UG-ALT1			2028	48	0.043003742	2.693456185	0.205442823	15.47721541	29.88125268	0.024852853
Proj00015-3UG-ALT1			2028	48	0.043003742	2.693456185	0.205442823	15.47721541	29.88125268	0.024852853
Proj00015-3UG-PAS		8/7/2028	2028	55	0.043003742	2.693456185	0.205442823	15.47721541	29.88125268	0.006305614
Proj00013-3UG-UGAS	Scoping	8/8/2028	2028	55	0.083097701	0.141865896	0.010820792	0.815193894	1.573862873	0.005762999
Proj00016-3UG-PAS	Scoping	8/7/2028	2028	55	0.040871397	2.766387628	0.211005654	15.8962617	30.69035545	0.021895215
Proj00016-3UG-UGAS	Scoping	12/26/2028	2028	55	0.002226806	2.766387628	0.211005654	15.8962617	30.69035545	0.000152655
Proj00017-3UG-PAS		11/29/2028	2028	55	0.080566102	0.144541341	0.011024861	0.830567612	1.603544308	0.027833581
Proj00013-3UG-UGAS	Scoping	8/8/2028	2028	55	0.083097701	0.141865896	0.010820792	0.815193894	1.573862873	0.005762999
Proj00016-3UG-ALT1	Designing	6/1/2028	2028	48	0.040871397	2.766387628	0.211005654	15.8962617	30.69035545	0.022994385
Proj00016-3UG-ALT1	Designing	6/1/2028	2028	48	0.040871397	2.766387628	0.211005654	15.8962617	30.69035545	0.022994385
Proj00016-3UG-ALT1	Designing	6/1/2028	2028	48	0.040871397	2.766387628	0.211005654	15.8962617	30.69035545	0.022994385
Proj00018-3UG-PAS		8/15/2028	2028	55	0.022617177	0.126435696	0.009643857	0.726528433	1.402679947	0.003687129
Proj00013-3UG-UGAS	Scoping	8/8/2028	2028	55	0.083097701	0.141865896	0.010820792	0.815193894	1.573862873	0.005762999
Proj00019-3UG-PAS	Scoping	10/30/2028	2028	55	0.087050782	0.215676126	0.016450653	1.239324361	2.392714929	0.005471512
Proj00019-3UG-UGAS	Scoping	11/27/2028	2028	55	0.087050782	0.215676126	0.016450653	1.239324361	2.392714929	0.005516035
Proj00020-3UG-PAS		7/3/2028	2028	55	0.060034002	0.148893156	0.011356795	0.855574135	1.651823421	0.003586607
Proj00020-3UG-UGAS	Scoping	7/3/2028	2028	55	0.060034002	0.148893156	0.011356795	0.855574135	1.651823421	0.003646305
Proj00017-3UG-ALT1			2028	48	0.080566102	0.144541341	0.011024861	0.830567612	1.603544308	0.043006657
Proj00017-3UG-ALT1			2028	48	0.080566102	0.144541341	0.011024861	0.830567612	1.603544308	0.043006657
Proj00017-3UG-ALT1			2028	48	0.080566102	0.144541341	0.011024861	0.830567612	1.603544308	0.043006657
Proj00021-3UG-PAS	Permitting	8/2/2028	2028	55	0.031880978	2.980351373	0.227325695	17.1257808	33.06407319	0.002285749
Proj00021-3UG-UGAS	Scoping	3/13/2029	2028	55	0.031880978	2.980351373	0.227325695	17.1257808	33.06407319	0.002285749
Proj00022-3UG-PAS	Scoping	8/8/2028	2028	55	0.007439318	1.828139979	0.139441005	10.50491054	20.2814187	0.003905178
Proj00022-3UG-UGAS	Designing	5/1/2028	2028	55	0.000863839	1.828139979	0.139441005	10.50491054	20.2814187	7.56E-05
Proj00023-3UG-PAS		11/30/2028	2028	55	0.059927617	2.051081319	0.156445811	11.78598248	22.75473404	0.004531439
Proj00023-3UG-UGAS	Scoping	12/26/2028	2028	55	0.059450991	2.051081319	0.156445811	11.78598248	22.75473404	0.004299212
Proj00018-3UG-ALT1	Scoping	12/26/2028	2028	48	0.022617177	0.126435696	0.009643857	0.726528433	1.402679947	0.013668731
Proj00018-3UG-ALT1	Scoping	12/26/2028	2028	48	0.022617177	0.126435696	0.009643857	0.726528433	1.402679947	0.013668731
Proj00018-3UG-ALT1	Scoping	12/26/2028	2028	48	0.022617177	0.126435696	0.009643857	0.726528433	1.402679947	0.013668731
Proj00024-3UG-PAS		11/16/2028	2028	55	0.006035938	0.273972814	0.020897221	1.574310465	3.03945946	0.0003804
Proj00024-3UG-UGAS	Designing	12/11/2028	2028	55	0.006035938	0.273972814	0.020897221	1.574310465	3.03945946	0.000378623
Proj00025-3UG-PAS	Designing	11/8/2028	2028	55	0.029321136	0.526675137	0.040172039	3.026395821	5.842943697	0.001879402
Proj00025-3UG-UGAS	Scoping	8/24/2028	2028	55	0.029321136	0.526675137	0.040172039	3.026395821	5.842943697	0.001893998
Proj00026-3UG-PAS		7/3/2028	2028	55	0.031928444	0.197686047	0.015078463	1.135949251	2.19313266	0.00181383
Proj00026-3UG-UGAS	Scoping	7/3/2028	2028	55	0.031928444	0.197686047	0.015078463	1.135949251	2.19313266	0.00181383
Proj00019-3UG-ALT1			2028	48	0.087050782	0.215676126	0.016450653	1.239324361	2.392714929	0.047143878
Proj00019-3UG-ALT1			2028	48	0.087050782	0.215676126	0.016450653	1.239324361	2.392714929	0.047143878
Proj00019-3UG-ALT1			2028	48	0.087050782	0.215676126	0.016450653	1.239324361	2.392714929	0.047143878
Proj00027-3UG-PAS	Permitting	12/11/2028	2028	55	0.024724523	0.76135095	0.058071889	4.374896729	8.446441502	0.001539168
Proj00027-3UG-UGAS	Designing	9/1/2028	2028	55	0.024724523	0.76135095	0.058071889	4.374896729	8.446441502	0.001524825
Proj00028-3UG-PAS	Scoping	7/10/2028	2028	55	0.006035973	1.231320984	0.093918758	7.075452062	13.66029775	0.001279217

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

rru_id	status	used_and_useful_date	bcr_year_zero	useful_life	ignition_pre_mitigated_likelihood	ignition_pre_mitigated_safety_consequences	ignition_pre_mitigated_residential_reliability_consequences	ignition_pre_mitigated_non_residential_reliability_consequences	ignition_pre_mitigated_financial_consequences	ignition_post_mitigated_likelihood
Proj00015-3UG-UGAS	Scoping	12/27/2028	2028	55	0.035075588	2.693456185	0.205442823	15.47721541	29.88125268	0.002241804
Proj00001-3UG-PAS		9/28/2028	2028	55	0.038690036	0.20907354	0.015947042	1.20138439	2.319465716	0.002448327
Proj00001-3UG-UGAS	Designing	9/28/2028	2028	55	0.038690036	0.20907354	0.015947042	1.20138439	2.319465716	0.002448327
Proj00020-3UG-ALT1	Designing	12/11/2028	2028	48	0.060034002	0.148893156	0.011356795	0.855574135	1.651823421	0.037320886
Proj00020-3UG-ALT1	Designing	12/11/2028	2028	48	0.060034002	0.148893156	0.011356795	0.855574135	1.651823421	0.037320886
Proj00020-3UG-ALT1	Designing	12/11/2028	2028	48	0.060034002	0.148893156	0.011356795	0.855574135	1.651823421	0.037320886
Proj00002-3UG-PAS	Designing	9/28/2028	2028	55	0.019036013	0.248861446	0.018981856	1.430014799	2.760873478	0.009472083
Proj00002-3UG-UGAS	Scoping	11/6/2028	2028	55	0.01073098	0.248861446	0.018981856	1.430014799	2.760873478	0.001171718
Proj00003-3UG-PAS		10/6/2028	2028	55	0.036771713	0.345171644	0.026327897	1.983435233	3.8293406	0.005698435
Proj00003-3UG-UGAS	Scoping	10/2/2028	2028	55	0.034121123	0.345171644	0.026327897	1.983435233	3.8293406	0.003081431
Proj00004-3UG-PAS	Scoping	11/6/2028	2028	55	0.001360101	1.634349235	0.124659656	9.391344592	18.13150061	8.38E-05
Proj00004-3UG-UGAS	Scoping	10/9/2028	2028	55	0.001360101	1.634349235	0.124659656	9.391344592	18.13150061	7.62E-05
Proj00021-3UG-ALT1			2028	48	0.031880978	2.980351373	0.227325695	17.1257808	33.06407319	0.018046728
Proj00021-3UG-ALT1			2028	48	0.031880978	2.980351373	0.227325695	17.1257808	33.06407319	0.018046728
Proj00021-3UG-ALT1			2028	48	0.031880978	2.980351373	0.227325695	17.1257808	33.06407319	0.018046728
Proj00005-3UG-PAS		9/7/2028	2028	55	0.010372174	0.639423905	0.048771928	3.674276036	7.093780613	0.00070538
Proj00005-3UG-UGAS	Scoping	10/30/2028	2028	55	0.010372174	0.639423905	0.048771928	3.674276036	7.093780613	0.000713912
Proj00006-3UG-PAS		9/27/2028	2028	55	0.012947138	0.387692067	0.029571134	2.227767307	4.301062951	0.003741138
Proj00015-3UG-UGAS	Scoping	12/27/2028	2028	55	0.035075588	2.693456185	0.205442823	15.47721541	29.88125268	0.002241804
Proj00007-3UG-PAS	Scoping	11/16/2028	2028	55	0.012850274	2.708287253	0.20657406	15.56243812	30.04578882	0.00618217
Proj00015-3UG-UGAS	Scoping	12/27/2028	2028	55	0.035075588	2.693456185	0.205442823	15.47721541	29.88125268	0.002241804
Proj00022-3UG-ALT1	Scoping	8/24/2028	2028	48	0.007439318	1.828139979	0.139441005	10.50491054	20.2814187	0.004333376
Proj00022-3UG-ALT1	Scoping	8/24/2028	2028	48	0.007439318	1.828139979	0.139441005	10.50491054	20.2814187	0.004333376
Proj00022-3UG-ALT1	Scoping	8/24/2028	2028	48	0.007439318	1.828139979	0.139441005	10.50491054	20.2814187	0.004333376
Proj00008-3UG-PAS		11/9/2028	2028	55	0.026612303	3.642677634	0.277844496	20.93165901	40.41193297	0.010287227
Proj00017-3UG-UGAS	Designing	11/2/2028	2028	55	0.032549985	0.144541341	0.011024861	0.830567612	1.603544308	0.002229612
Proj00009-3UG-PAS	Scoping	12/22/2028	2028	55	0.086115336	0.236931314	0.018071888	1.361461534	2.628520378	0.008461681
Proj00017-3UG-UGAS	Designing	11/2/2028	2028	55	0.032549985	0.144541341	0.011024861	0.830567612	1.603544308	0.002229612
Proj00010-3UG-PAS		12/22/2028	2028	55	0.083626211	0.135632257	0.010345323	0.779373975	1.504706761	0.012204157
Proj00010-3UG-UGAS	Scoping	12/22/2028	2028	55	0.071261122	0.135632257	0.010345323	0.779373975	1.504706761	0.005121054
Proj00023-3UG-ALT1			2028	48	0.059927617	2.051081319	0.156445811	11.78598248	22.75473404	0.035929905
Proj00023-3UG-ALT1			2028	48	0.059927617	2.051081319	0.156445811	11.78598248	22.75473404	0.035929905
Proj00023-3UG-ALT1			2028	48	0.059927617	2.051081319	0.156445811	11.78598248	22.75473404	0.035929905
Proj00011-3UG-PAS	Scoping	10/2/2028	2028	55	0.038218947	0.305071258	0.023269248	1.753009238	3.384466171	0.020300447
Proj00017-3UG-UGAS	Designing	11/2/2028	2028	55	0.032549985	0.144541341	0.011024861	0.830567612	1.603544308	0.002229612
Proj00012-3UG-PAS	Scoping	11/22/2028	2028	55	0.0358941	0.3177241	0.024234341	1.825715361	3.52483703	0.008262856
Proj00018-3UG-UGAS	Designing	12/13/2028	2028	55	0.020171127	0.126435696	0.009643857	0.726528433	1.402679947	0.001264612
Proj00013-3UG-PAS		8/8/2028	2028	55	0.083097701	0.141865896	0.010820792	0.815193894	1.573862873	0.005742894
Proj00018-3UG-UGAS	Designing	12/13/2028	2028	55	0.020171127	0.126435696	0.009643857	0.726528433	1.402679947	0.001264612
Proj00024-3UG-ALT1	Scoping	7/3/2028	2028	48	0.006035938	0.273972814	0.020897221	1.574310465	3.03945946	0.003602912
Proj00024-3UG-ALT1	Scoping	7/3/2028	2028	48	0.006035938	0.273972814	0.020897221	1.574310465	3.03945946	0.003602912
Proj00024-3UG-ALT1	Scoping	7/3/2028	2028	48	0.006035938	0.273972814	0.020897221	1.574310465	3.03945946	0.003602912
Proj00014-3UG-PAS	Scoping	10/9/2028	2028	55	0.008595652	0.605269929	0.046166841	3.478019478	6.714875776	0.00057695
Proj00014-3UG-UGAS	Scoping	7/10/2028	2028	55	0.008595652	0.605269929	0.046166841	3.478019478	6.714875776	0.000579785
Proj00015-3UG-PAS		8/7/2028	2028	55	0.043003742	2.693456185	0.205442823	15.47721541	29.88125268	0.006305614
Proj00018-3UG-UGAS	Designing	12/13/2028	2028	55	0.020171127	0.126435696	0.009643857	0.726528433	1.402679947	0.001264612
Proj00016-3UG-PAS	Scoping	8/7/2028	2028	55	0.040871397	2.766387628	0.211005654	15.89629617	30.69035545	0.021895215
Proj00016-3UG-UGAS	Scoping	12/26/2028	2028	55	0.002226806	2.766387628	0.211005654	15.89629617	30.69035545	0.000152655
Proj00025-3UG-ALT1			2028	48	0.029321136	0.526675137	0.040172039	3.026395821	5.842943697	0.015800834
Proj00025-3UG-ALT1			2028	48	0.029321136	0.526675137	0.040172039	3.026395821	5.842943697	0.015800834
Proj00025-3UG-ALT1			2028	48	0.029321136	0.526675137	0.040172039	3.026395821	5.842943697	0.015800834
Proj00017-3UG-PAS		11/29/2028	2028	55	0.080566102	0.144541341	0.011024861	0.830567612	1.603544308	0.027833581
Proj00028-3UG-UGAS	Scoping	11/3/2028	2028	55	0.004792895	1.231320984	0.093918758	7.075452062	13.66029775	0.000354561
Proj00018-3UG-PAS		8/15/2028	2028	55	0.022617177	0.126435696	0.009643857	0.726528433	1.402679947	0.003687129
Proj00028-3UG-UGAS	Scoping	11/3/2028	2028	55	0.004792895	1.231320984	0.093918758	7.075452062	13.66029775	0.000354561
Proj00019-3UG-PAS	Scoping	10/30/2028	2028	55	0.087050782	0.215676126	0.016450653	1.239324361	2.392714929	0.005471512
Proj00019-3UG-UGAS	Scoping	11/27/2028	2028	55	0.087050782	0.215676126	0.016450653	1.239324361	2.392714929	0.005516035
Proj00026-3UG-ALT1	Designing	9/1/2028	2028	48	0.031928444	0.197686047	0.015078463	1.135949251	2.19313266	0.020003967
Proj00026-3UG-ALT1	Designing	9/1/2028	2028	48	0.031928444	0.197686047	0.015078463	1.135949251	2.19313266	0.020003967
Proj00026-3UG-ALT1	Designing	9/1/2028	2028	48	0.031928444	0.197686047	0.015078463	1.135949251	2.19313266	0.020003967
Proj00020-3UG-PAS		7/3/2028	2028	55	0.060034002	0.148893156	0.011356795	0.855574135	1.651823421	0.003586607
Proj00020-3UG-UGAS	Scoping	7/3/2028	2028	55	0.060034002	0.148893156	0.011356795	0.855574135	1.651823421	0.003646305
Proj00021-3UG-PAS	Permitting	3/13/2029	2028	55	0.031880978	2.980351373	0.227325695	17.1257808	33.06407319	0.002285749
Proj00021-3UG-UGAS	Scoping	3/13/2029	2028	55	0.031880978	2.980351373	0.227325695	17.1257808	33.06407319	0.002285749
Proj00022-3UG-PAS	Scoping	8/8/2028	2028	55	0.007439318	1.828139979	0.139441005	10.50491054	20.2814187	0.003905178
Proj00022-3UG-UGAS	Designing	5/1/2028	2028	55	0.000863839	1.828139979	0.139441005	10.50491054	20.2814187	7.56E-05
Proj00027-3UG-ALT1			2028	48	0.024724523	0.76135095	0.058071889	4.374896729	8.446441502	0.013800867
Proj00027-3UG-ALT1			2028	48	0.024724523	0.76135095	0.058071889	4.374896729	8.446441502	0.013800867
Proj00027-3UG-ALT1			2028	48	0.024724523	0.76135095	0.058071889	4.374896729	8.446441502	0.013800867
Proj00023-3UG-PAS		11/30/2028	2028	55	0.059927617	2.051081319	0.156445811	11.78598248	22.75473404	0.004531439
Proj00023-3UG-UGAS	Scoping	12/26/2028	2028	55	0.059450991	2.051081319	0.156445811	11.78598248	22.75473404	0.004299212
Proj00024-3UG-PAS		11/16/2028	2028	55	0.006035938	0.273972814	0.020897221	1.574310465	3.03945946	0.0003804
Proj00024-3UG-UGAS	Designing	12/11/2028	2028	55	0.006035938	0.273972814	0.020897221	1.574310465	3.03945946	0.000378623
Proj00025-3UG-PAS	Designing	11/8/2028	2028	55	0.029321136	0.526675137	0.040172039	3.026395821	5.842943697	0.001879402
Proj00025-3UG-UGAS	Scoping	8/24/2028	2028	55	0.029321136	0.526675137	0.040172039	3.026395821	5.842943697	0.001893998
Proj00028-3UG-ALT1	Designing	11/3/2028	2028	48	0.006035973	1.231320984	0.093918758	7.075452062	13.66029775	0.004185732
Proj00028-3UG-ALT1	Designing	11/3/2028	2028	48	0.006035973	1.231320984	0.093918758	7.075452062	13.66029775	0.004185732
Proj00028-3UG-ALT1	Designing	11/3/2028	2028	48	0.006035973	1.231320984	0.093918758	7.075452062	13.66029775	0.004185732
Proj00026-3UG-PAS		7/3/2028	2028	55	0.031928444	0.197686047	0.015078463	1.135949251	2.19313266	0.00181383
Proj00026-3UG-UGAS	Scoping	7/3/2028	2028	55	0.031928444	0.197686047	0.015078463	1.135949251	2.19313266	0.00181383
Proj00027-3UG-PAS	Permitting	12/11/2028	2028	55	0.024724523	0.76135095	0.058071889	4.374896729	8.446441502	0.001539168
Proj00027-3UG-UGAS	Designing	9/1/2028	2028	55	0.024724523	0.76135095	0.058071889	4.374896729	8.446441502	0.001524825
Proj00028-3UG-PAS	Scoping	7/10/2028	2028	55	0.006035973	1.231320984	0.093918758	7.075452062	13.66029775	0.001279217
Proj00028-3UG-UGAS	Scoping	11/3/2028	2028	55	0.004792895	1.231320984	0.093918758	7.075452062	13.66029775	0.000354561

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rru_id	ignition_post_mitigated_safety_consequences	ignition_post_mitigated_residential_reliability_consequences	ignition_post_mitigated_non_residential_reliability_consequences	ignition_post_mitigated_financial_consequences	outage_program_pre_mitigated_likelihood	outage_program_pre_mitigated_safety_consequences
Proj00001-3UG-ALT1	0.20907354	0.015947042	1.20138439	2.319465716	3410.949437	2.78E-05
Proj00001-3UG-ALT1	0.20907354	0.015947042	1.20138439	2.319465716	3410.949437	2.78E-05
Proj00001-3UG-ALT1	0.20907354	0.015947042	1.20138439	2.319465716	3410.949437	2.78E-05
Proj00001-3UG-PAS	0.20907354	0.015947042	1.20138439	2.319465716	3410.949437	2.78E-05
Proj00001-3UG-UGAS	0.20907354	0.015947042	1.20138439	2.319465716	3410.949437	2.78E-05
Proj00002-3UG-PAS	0.248861446	0.018981856	1.430014799	2.760873478	324.3914932	
Proj00002-3UG-UGAS	0.248861446	0.018981856	1.430014799	2.760873478	182.8659442	
Proj00003-3UG-PAS	0.345171644	0.026327897	1.983435233	3.8293406	3657.05198	3.94E-05
Proj00003-3UG-UGAS	0.345171644	0.026327897	1.983435233	3.8293406	3393.443253	3.94E-05
Proj00002-3UG-ALT1	0.248861446	0.018981856	1.430014799	2.760873478	324.3914932	
Proj00002-3UG-ALT1	0.248861446	0.018981856	1.430014799	2.760873478	324.3914932	
Proj00002-3UG-ALT1	0.248861446	0.018981856	1.430014799	2.760873478	324.3914932	
Proj00004-3UG-PAS	1.634349235	0.124659656	9.391344592	18.13150061	374.3691259	3.41E-05
Proj00004-3UG-UGAS	1.634349235	0.124659656	9.391344592	18.13150061	374.3691259	3.41E-05
Proj00005-3UG-PAS	0.639423905	0.048771928	3.674276036	7.093780613	843.0066332	8.35E-06
Proj00005-3UG-UGAS	0.639423905	0.048771928	3.674276036	7.093780613	843.0066332	8.35E-06
Proj00006-3UG-PAS	0.387692067	0.029571134	2.227767307	4.301062951	1393.246218	2.50E-05
Proj00006-3UG-UGAS	0.387692067	0.029571134	2.227767307	4.301062951	681.6792228	2.50E-05
Proj00003-3UG-ALT1	0.345171644	0.026327897	1.983435233	3.8293406	3657.05198	3.94E-05
Proj00003-3UG-ALT1	0.345171644	0.026327897	1.983435233	3.8293406	3657.05198	3.94E-05
Proj00003-3UG-ALT1	0.345171644	0.026327897	1.983435233	3.8293406	3657.05198	3.94E-05
Proj00007-3UG-PAS	2.708287253	0.20657406	15.56243812	30.04578882	1121.251228	1.25E-05
Proj00006-3UG-UGAS	0.387692067	0.029571134	2.227767307	4.301062951	681.6792228	2.50E-05
Proj00008-3UG-PAS	3.642677634	0.277844496	20.93165901	40.41193297	3808.714283	1.90E-05
Proj00006-3UG-UGAS	0.387692067	0.029571134	2.227767307	4.301062951	681.6792228	2.50E-05
Proj00009-3UG-PAS	0.236931314	0.018071888	1.361461534	2.628520378	1720.982076	2.06E-05
Proj00007-3UG-UGAS	2.708287253	0.20657406	15.56243812	30.04578882	140.3766854	1.25E-05
Proj00004-3UG-ALT1	1.634349235	0.124659656	9.391344592	18.13150061	374.3691259	3.41E-05
Proj00004-3UG-ALT1	1.634349235	0.124659656	9.391344592	18.13150061	374.3691259	3.41E-05
Proj00004-3UG-ALT1	1.634349235	0.124659656	9.391344592	18.13150061	374.3691259	3.41E-05
Proj00010-3UG-PAS	0.135632257	0.010345323	0.779373975	1.504706761	903.6831352	
Proj00010-3UG-UGAS	0.135632257	0.010345323	0.779373975	1.504706761	770.0632809	
Proj00011-3UG-PAS	0.305071258	0.023269248	1.753009238	3.384466171	3439.483702	5.23E-05
Proj00007-3UG-UGAS	2.708287253	0.20657406	15.56243812	30.04578882	140.3766854	1.25E-05
Proj00012-3UG-PAS	0.3177241	0.024234341	1.825715361	3.52483703	3882.940823	1.48E-05
Proj00007-3UG-UGAS	2.708287253	0.20657406	15.56243812	30.04578882	140.3766854	1.25E-05
Proj00005-3UG-ALT1	0.639423905	0.048771928	3.674276036	7.093780613	843.0066332	8.35E-06
Proj00005-3UG-ALT1	0.639423905	0.048771928	3.674276036	7.093780613	843.0066332	8.35E-06
Proj00005-3UG-ALT1	0.639423905	0.048771928	3.674276036	7.093780613	843.0066332	8.35E-06
Proj00013-3UG-PAS	0.141865896	0.010820792	0.815193894	1.573862873	1325.549468	3.55E-05
Proj00008-3UG-UGAS	3.642677634	0.277844496	20.93165901	40.41193297	2262.55535	1.90E-05
Proj00014-3UG-PAS	0.605269929	0.046166841	3.478019478	6.714875776	75.93918898	
Proj00014-3UG-UGAS	0.605269929	0.046166841	3.478019478	6.714875776	75.93918898	
Proj00015-3UG-PAS	2.693456185	0.205442823	15.47721541	29.88125268	4158.88394	3.19E-05
Proj00008-3UG-UGAS	3.642677634	0.277844496	20.93165901	40.41193297	2262.55535	1.90E-05
Proj00006-3UG-ALT1	0.387692067	0.029571134	2.227767307	4.301062951	1393.246218	2.50E-05
Proj00006-3UG-ALT1	0.387692067	0.029571134	2.227767307	4.301062951	1393.246218	2.50E-05
Proj00006-3UG-ALT1	0.387692067	0.029571134	2.227767307	4.301062951	1393.246218	2.50E-05
Proj00016-3UG-PAS	2.766387628	0.211005654	15.89629617	30.69035545	388.9214214	
Proj00016-3UG-UGAS	2.766387628	0.211005654	15.89629617	30.69035545	21.18969543	
Proj00017-3UG-PAS	0.144541341	0.011024861	0.830567612	1.603544308	1089.35219	4.54E-05
Proj00008-3UG-UGAS	3.642677634	0.277844496	20.93165901	40.41193297	2262.55535	1.90E-05
Proj00018-3UG-PAS	0.126435696	0.009643857	0.726528433	1.402679947	913.3353501	5.43E-05
Proj00009-3UG-UGAS	0.236931314	0.018071888	1.361461534	2.628520378	1861.445644	2.06E-05
Proj00007-3UG-ALT1	2.708287253	0.20657406	15.56243812	30.04578882	1121.251228	1.25E-05
Proj00007-3UG-ALT1	2.708287253	0.20657406	15.56243812	30.04578882	1121.251228	1.25E-05
Proj00007-3UG-ALT1	2.708287253	0.20657406	15.56243812	30.04578882	1121.251228	1.25E-05
Proj00019-3UG-PAS	0.215676126	0.016450653	1.239324361	2.392714929	1141.555531	4.95E-05
Proj00019-3UG-UGAS	0.215676126	0.016450653	1.239324361	2.392714929	1141.555531	4.95E-05
Proj00020-3UG-PAS	0.148893156	0.011356795	0.855574135	1.651823421	605.7768869	
Proj00020-3UG-UGAS	0.148893156	0.011356795	0.855574135	1.651823421	605.7768869	
Proj00021-3UG-PAS	2.980351373	0.227325695	17.1257808	33.06407319	1209.027281	8.97E-06
Proj00021-3UG-UGAS	2.980351373	0.227325695	17.1257808	33.06407319	1209.027281	8.97E-06
Proj00008-3UG-ALT1	3.642677634	0.277844496	20.93165901	40.41193297	3808.714283	1.90E-05
Proj00008-3UG-ALT1	3.642677634	0.277844496	20.93165901	40.41193297	3808.714283	1.90E-05
Proj00008-3UG-ALT1	3.642677634	0.277844496	20.93165901	40.41193297	3808.714283	1.90E-05
Proj00022-3UG-PAS	1.828139979	0.139441005	10.50491054	20.2814187	59.31931545	
Proj00022-3UG-UGAS	1.828139979	0.139441005	10.50491054	20.2814187	6.88804081	
Proj00023-3UG-PAS	2.051081319	0.156445811	11.78598248	22.75473404	1120.258011	4.46E-05
Proj00023-3UG-UGAS	2.051081319	0.156445811	11.78598248	22.75473404	1111.348182	4.46E-05
Proj00024-3UG-PAS	0.273972814	0.020897221	1.574310465	3.03945948	372.1575865	5.54E-06
Proj00024-3UG-UGAS	0.273972814	0.020897221	1.574310465	3.03945946	372.1575865	5.54E-06
Proj00009-3UG-ALT1	0.236931314	0.018071888	1.361461534	2.628520378	1720.982076	2.06E-05
Proj00009-3UG-ALT1	0.236931314	0.018071888	1.361461534	2.628520378	1720.982076	2.06E-05
Proj00009-3UG-ALT1	0.236931314	0.018071888	1.361461534	2.628520378	1720.982076	2.06E-05
Proj00025-3UG-PAS	0.526675137	0.040172039	3.026395821	5.842943697	48.44933764	
Proj00025-3UG-UGAS	0.526675137	0.040172039	3.026395821	5.842943697	48.44933764	
Proj00026-3UG-PAS	0.197686047	0.015078463	1.135949251	2.19313266	280.2253992	
Proj00026-3UG-UGAS	0.197686047	0.015078463	1.135949251	2.19313266	280.2253992	
Proj00027-3UG-PAS	0.76135095	0.058071889	4.374896729	8.446441502	11091.54147	1.88E-05
Proj00027-3UG-UGAS	0.76135095	0.058071889	4.374896729	8.446441502	11091.54147	1.88E-05
Proj00010-3UG-ALT1	0.135632257	0.010345323	0.779373975	1.504706761	903.6831352	
Proj00010-3UG-ALT1	0.135632257	0.010345323	0.779373975	1.504706761	903.6831352	
Proj00010-3UG-ALT1	0.135632257	0.010345323	0.779373975	1.504706761	903.6831352	

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rru_id	ignition_post_mitigated_safety_consequences	ignition_post_mitigated_residential_reliability_consequences	ignition_post_mitigated_non_residential_reliability_consequences	ignition_post_mitigated_financial_consequences	outage_program_pre_mitigated_likelihood	outage_program_pre_mitigated_safety_consequences
Proj00028-3UG-PAS	1.23132098	0.093918758	7.075452062	13.66029775	8270.245107	1.59E-05
Proj00009-3UG-UGAS	0.236931314	0.018071888	1.361461534	2.628520378	1861.445644	2.06E-05
Proj00001-3UG-PAS	0.20907354	0.015947042	1.20138439	2.319465716	3410.949437	2.78E-05
Proj00001-3UG-UGAS	0.20907354	0.015947042	1.20138439	2.319465716	3410.949437	2.78E-05
Proj00002-3UG-PAS	0.248861446	0.018981856	1.430014799	2.760873478	324.3914932	
Proj00002-3UG-UGAS	0.248861446	0.018981856	1.430014799	2.760873478	182.8659442	
Proj00011-3UG-ALT1	0.305071258	0.023269248	1.753009238	3.384466171	3439.483702	5.23E-05
Proj00011-3UG-ALT1	0.305071258	0.023269248	1.753009238	3.384466171	3439.483702	5.23E-05
Proj00011-3UG-ALT1	0.305071258	0.023269248	1.753009238	3.384466171	3439.483702	5.23E-05
Proj00003-3UG-PAS	0.345171644	0.026327897	1.983435233	3.8293406	3657.05198	3.94E-05
Proj00003-3UG-UGAS	0.345171644	0.026327897	1.983435233	3.8293406	3393.443253	3.94E-05
Proj00004-3UG-PAS	1.634349235	0.124659656	9.391344592	18.13150061	374.3691259	3.41E-05
Proj00004-3UG-UGAS	1.634349235	0.124659656	9.391344592	18.13150061	374.3691259	3.41E-05
Proj00005-3UG-PAS	0.639423905	0.048771928	3.674276036	7.093780613	843.0066332	8.35E-06
Proj00005-3UG-UGAS	0.639423905	0.048771928	3.674276036	7.093780613	843.0066332	8.35E-06
Proj00012-3UG-ALT1	0.3177241	0.024234341	1.825715361	3.52483703	3882.940823	1.48E-05
Proj00012-3UG-ALT1	0.3177241	0.024234341	1.825715361	3.52483703	3882.940823	1.48E-05
Proj00012-3UG-ALT1	0.3177241	0.024234341	1.825715361	3.52483703	3882.940823	1.48E-05
Proj00006-3UG-PAS	0.387692067	0.029571134	2.227767307	4.301062951	1393.246218	2.50E-05
Proj00009-3UG-UGAS	0.236931314	0.018071888	1.361461534	2.628520378	1861.445644	2.06E-05
Proj00007-3UG-PAS	2.708287253	0.20657406	15.56243812	30.04578882	1121.251228	1.25E-05
Proj00011-3UG-UGAS	0.305071258	0.023269248	1.753009238	3.384466171	2157.471429	5.23E-05
Proj00008-3UG-PAS	3.642677634	0.277844496	20.93165901	40.41193297	3808.714283	1.80E-05
Proj00011-3UG-UGAS	0.305071258	0.023269248	1.753009238	3.384466171	2157.471429	5.23E-05
Proj00013-3UG-ALT1	0.141865896	0.010820792	0.815193894	1.573862873	1325.549468	3.55E-05
Proj00013-3UG-ALT1	0.141865896	0.010820792	0.815193894	1.573862873	1325.549468	3.55E-05
Proj00013-3UG-ALT1	0.141865896	0.010820792	0.815193894	1.573862873	1325.549468	3.55E-05
Proj00009-3UG-PAS	0.236931314	0.018071888	1.361461534	2.628520378	1720.982076	2.06E-05
Proj00011-3UG-UGAS	0.305071258	0.023269248	1.753009238	3.384466171	2157.471429	5.23E-05
Proj00010-3UG-PAS	0.135632257	0.010345323	0.779373975	1.504706761	903.6831352	
Proj00010-3UG-UGAS	0.135632257	0.010345323	0.779373975	1.504706761	770.0632809	
Proj00011-3UG-PAS	0.305071258	0.023269248	1.753009238	3.384466171	3439.483702	5.23E-05
Proj00012-3UG-UGAS	0.3177241	0.024234341	1.825715361	3.52483703	3648.996969	1.48E-05
Proj00014-3UG-ALT1	0.605269929	0.046166841	3.478019478	6.714875776	75.93918898	
Proj00014-3UG-ALT1	0.605269929	0.046166841	3.478019478	6.714875776	75.93918898	
Proj00014-3UG-ALT1	0.605269929	0.046166841	3.478019478	6.714875776	75.93918898	
Proj00012-3UG-PAS	0.3177241	0.024234341	1.825715361	3.52483703	3882.940823	1.48E-05
Proj00012-3UG-UGAS	0.3177241	0.024234341	1.825715361	3.52483703	3648.996969	1.48E-05
Proj00013-3UG-PAS	0.141865896	0.010820792	0.815193894	1.573862873	1325.549468	3.55E-05
Proj00012-3UG-UGAS	0.3177241	0.024234341	1.825715361	3.52483703	3648.996969	1.48E-05
Proj00014-3UG-PAS	0.605269929	0.046166841	3.478019478	6.714875776	75.93918898	
Proj00014-3UG-UGAS	0.605269929	0.046166841	3.478019478	6.714875776	75.93918898	
Proj00015-3UG-ALT1	2.693456185	0.205442823	15.47721541	29.88125268	4158.88394	3.19E-05
Proj00015-3UG-ALT1	2.693456185	0.205442823	15.47721541	29.88125268	4158.88394	3.19E-05
Proj00015-3UG-ALT1	2.693456185	0.205442823	15.47721541	29.88125268	4158.88394	3.19E-05
Proj00015-3UG-PAS	2.693456185	0.205442823	15.47721541	29.88125268	4158.88394	3.19E-05
Proj00013-3UG-UGAS	0.141865896	0.010820792	0.815193894	1.573862873	1222.279851	3.55E-05
Proj00016-3UG-PAS	2.766387628	0.211005654	15.89629617	30.69035545	388.9214214	
Proj00016-3UG-UGAS	2.766387628	0.211005654	15.89629617	30.69035545	21.18969543	
Proj00017-3UG-PAS	0.144541341	0.011024861	0.830567612	1.603544308	1089.35219	4.54E-05
Proj00013-3UG-UGAS	0.141865896	0.010820792	0.815193894	1.573862873	1222.279851	3.55E-05
Proj00016-3UG-ALT1	2.766387628	0.211005654	15.89629617	30.69035545	388.9214214	
Proj00016-3UG-ALT1	2.766387628	0.211005654	15.89629617	30.69035545	388.9214214	
Proj00016-3UG-ALT1	2.766387628	0.211005654	15.89629617	30.69035545	388.9214214	
Proj00018-3UG-PAS	0.126435696	0.009643857	0.726528433	1.402679947	913.3353501	5.43E-05
Proj00013-3UG-UGAS	0.141865896	0.010820792	0.815193894	1.573862873	1222.279851	3.55E-05
Proj00019-3UG-PAS	0.215676126	0.016450653	1.239324361	2.392714929	1141.555531	4.95E-05
Proj00019-3UG-UGAS	0.215676126	0.016450653	1.239324361	2.392714929	1141.555531	4.95E-05
Proj00020-3UG-PAS	0.148893156	0.011356795	0.855574135	1.651823421	605.7768869	
Proj00020-3UG-UGAS	0.148893156	0.011356795	0.855574135	1.651823421	605.7768869	
Proj00017-3UG-ALT1	0.144541341	0.011024861	0.830567612	1.603544308	1089.35219	4.54E-05
Proj00017-3UG-ALT1	0.144541341	0.011024861	0.830567612	1.603544308	1089.35219	4.54E-05
Proj00017-3UG-ALT1	0.144541341	0.011024861	0.830567612	1.603544308	1089.35219	4.54E-05
Proj00021-3UG-PAS	2.980351373	0.227325695	17.1257808	33.06407319	1209.027281	8.97E-06
Proj00021-3UG-UGAS	2.980351373	0.227325695	17.1257808	33.06407319	1209.027281	8.97E-06
Proj00022-3UG-PAS	1.828139979	0.139441005	10.50491054	20.2814187	59.31931545	
Proj00022-3UG-UGAS	1.828139979	0.139441005	10.50491054	20.2814187	6.88804081	
Proj00023-3UG-PAS	2.051081319	0.156445811	11.78598248	22.75473404	1120.258011	4.46E-05
Proj00023-3UG-UGAS	2.051081319	0.156445811	11.78598248	22.75473404	1111.348182	4.46E-05
Proj00018-3UG-ALT1	0.126435696	0.009643857	0.726528433	1.402679947	913.3353501	5.43E-05
Proj00018-3UG-ALT1	0.126435696	0.009643857	0.726528433	1.402679947	913.3353501	5.43E-05
Proj00018-3UG-ALT1	0.126435696	0.009643857	0.726528433	1.402679947	913.3353501	5.43E-05
Proj00024-3UG-PAS	0.273972814	0.020897221	1.574310465	3.03945946	372.1575865	5.54E-06
Proj00024-3UG-UGAS	0.273972814	0.020897221	1.574310465	3.03945946	372.1575865	5.54E-06
Proj00025-3UG-PAS	0.526675137	0.040172039	3.026395821	5.842943697	48.44933764	
Proj00025-3UG-UGAS	0.526675137	0.040172039	3.026395821	5.842943697	48.44933764	
Proj00026-3UG-PAS	0.197686047	0.015078463	1.135949251	2.19313266	280.2253992	
Proj00026-3UG-UGAS	0.197686047	0.015078463	1.135949251	2.19313266	280.2253992	
Proj00019-3UG-ALT1	0.215676126	0.016450653	1.239324361	2.392714929	1141.555531	4.95E-05
Proj00019-3UG-ALT1	0.215676126	0.016450653	1.239324361	2.392714929	1141.555531	4.95E-05
Proj00019-3UG-ALT1	0.215676126	0.016450653	1.239324361	2.392714929	1141.555531	4.95E-05
Proj00027-3UG-PAS	0.76135095	0.058071889	4.374896729	8.446441502	11091.54147	1.88E-05
Proj00027-3UG-UGAS	0.76135095	0.058071889	4.374896729	8.446441502	11091.54147	1.88E-05
Proj00028-3UG-PAS	1.23132098	0.093918758	7.075452062	13.66029775	8270.245107	1.59E-05

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rru_id	ignition_post_mitigated_safety_consequences	ignition_post_mitigated_residential_reliability_consequences	ignition_post_mitigated_non_residential_reliability_consequences	ignition_post_mitigated_financial_consequences	outage_program_pre_mitigated_likelihood	outage_program_pre_mitigated_safety_consequences
Proj00015-3UG-UGAS	2.693456185	0.205442823	15.47721541	29.88125268	4122.563	3.19E-05
Proj00001-3UG-PAS	0.20907354	0.015947042	1.20138439	2.319465716	3410.949437	2.78E-05
Proj00001-3UG-UGAS	0.20907354	0.015947042	1.20138439	2.319465716	3410.949437	2.78E-05
Proj00020-3UG-ALT1	0.148893156	0.011356795	0.855574135	1.651823421	605.7768869	
Proj00020-3UG-ALT1	0.148893156	0.011356795	0.855574135	1.651823421	605.7768869	
Proj00020-3UG-ALT1	0.148893156	0.011356795	0.855574135	1.651823421	605.7768869	
Proj00002-3UG-PAS	0.248861446	0.018981856	1.430014799	2.760873478	324.3914932	
Proj00002-3UG-UGAS	0.248861446	0.018981856	1.430014799	2.760873478	182.8659442	
Proj00003-3UG-PAS	0.345171644	0.026327897	1.983435233	3.8293406	3657.05198	3.94E-05
Proj00003-3UG-UGAS	0.345171644	0.026327897	1.983435233	3.8293406	3393.443253	3.94E-05
Proj00004-3UG-PAS	1.634349235	0.124659656	9.391344592	18.13150061	374.3691259	3.41E-05
Proj00004-3UG-UGAS	1.634349235	0.124659656	9.391344592	18.13150061	374.3691259	3.41E-05
Proj00021-3UG-ALT1	2.980351373	0.227325695	17.1257808	33.06407319	1209.027281	8.97E-06
Proj00021-3UG-ALT1	2.980351373	0.227325695	17.1257808	33.06407319	1209.027281	8.97E-06
Proj00021-3UG-ALT1	2.980351373	0.227325695	17.1257808	33.06407319	1209.027281	8.97E-06
Proj00005-3UG-PAS	0.639423905	0.048771928	3.674276036	7.093780613	843.0066332	8.35E-06
Proj00005-3UG-UGAS	0.639423905	0.048771928	3.674276036	7.093780613	843.0066332	8.35E-06
Proj00006-3UG-PAS	0.387692067	0.029571134	2.227767307	4.301062951	1393.246218	2.50E-05
Proj00015-3UG-UGAS	2.693456185	0.205442823	15.47721541	29.88125268	4122.563	3.19E-05
Proj00007-3UG-PAS	2.708287253	0.20657406	15.56243812	30.04578882	1121.251228	1.25E-05
Proj00015-3UG-UGAS	2.693456185	0.205442823	15.47721541	29.88125268	4122.563	3.19E-05
Proj00022-3UG-ALT1	1.828139979	0.139441005	10.50491054	20.2814187	59.31931545	
Proj00022-3UG-ALT1	1.828139979	0.139441005	10.50491054	20.2814187	59.31931545	
Proj00022-3UG-ALT1	1.828139979	0.139441005	10.50491054	20.2814187	59.31931545	
Proj00008-3UG-PAS	3.642677634	0.277844496	20.93165901	40.41193297	3808.714283	1.90E-05
Proj00017-3UG-UGAS	0.144541341	0.011024861	0.830567612	1.603544308	615.9088551	4.54E-05
Proj00009-3UG-PAS	0.236931314	0.018071888	1.361461534	2.628520378	1720.982076	2.06E-05
Proj00017-3UG-UGAS	0.144541341	0.011024861	0.830567612	1.603544308	615.9088551	4.54E-05
Proj00010-3UG-PAS	0.135632257	0.010345323	0.779373975	1.504706761	903.6831352	
Proj00010-3UG-UGAS	0.135632257	0.010345323	0.779373975	1.504706761	770.0632809	
Proj00023-3UG-ALT1	2.051081319	0.156445811	11.78598248	22.75473404	1120.258011	4.46E-05
Proj00023-3UG-ALT1	2.051081319	0.156445811	11.78598248	22.75473404	1120.258011	4.46E-05
Proj00023-3UG-ALT1	2.051081319	0.156445811	11.78598248	22.75473404	1120.258011	4.46E-05
Proj00011-3UG-PAS	0.305071258	0.023269248	1.753009238	3.384466171	3439.483702	5.23E-05
Proj00017-3UG-UGAS	0.144541341	0.011024861	0.830567612	1.603544308	615.9088551	4.54E-05
Proj00012-3UG-PAS	0.3177241	0.024234341	1.825715361	3.52483703	3882.940823	1.48E-05
Proj00018-3UG-UGAS	0.126435696	0.009643857	0.726528433	1.402679947	999.5461419	5.43E-05
Proj00013-3UG-PAS	0.141865896	0.010820792	0.815193894	1.573862873	1325.549468	3.55E-05
Proj00018-3UG-UGAS	0.126435696	0.009643857	0.726528433	1.402679947	999.5461419	5.43E-05
Proj00024-3UG-ALT1	0.273972814	0.020897221	1.574310465	3.03945946	372.1575865	5.54E-06
Proj00024-3UG-ALT1	0.273972814	0.020897221	1.574310465	3.03945946	372.1575865	5.54E-06
Proj00024-3UG-ALT1	0.273972814	0.020897221	1.574310465	3.03945946	372.1575865	5.54E-06
Proj00014-3UG-PAS	0.605269929	0.046166841	3.478019478	6.714875776	75.93918898	
Proj00014-3UG-UGAS	0.605269929	0.046166841	3.478019478	6.714875776	75.93918898	
Proj00015-3UG-PAS	2.693456185	0.205442823	15.47721541	29.88125268	4158.88394	3.19E-05
Proj00018-3UG-UGAS	0.126435696	0.009643857	0.726528433	1.402679947	999.5461419	5.43E-05
Proj00016-3UG-PAS	2.766387628	0.211005654	15.89629617	30.69035545	388.9214214	
Proj00016-3UG-UGAS	2.766387628	0.211005654	15.89629617	30.69035545	21.18969543	
Proj00025-3UG-ALT1	0.526675137	0.040172039	3.026395821	5.842943697	48.44933764	
Proj00025-3UG-ALT1	0.526675137	0.040172039	3.026395821	5.842943697	48.44933764	
Proj00025-3UG-ALT1	0.526675137	0.040172039	3.026395821	5.842943697	48.44933764	
Proj00017-3UG-PAS	0.144541341	0.011024861	0.830567612	1.603544308	1089.35219	4.54E-05
Proj00028-3UG-UGAS	1.231320984	0.093918758	7.075452062	13.66029775	7949.098047	1.59E-05
Proj00018-3UG-PAS	0.126435696	0.009643857	0.726528433	1.402679947	913.3353501	5.43E-05
Proj00028-3UG-UGAS	1.231320984	0.093918758	7.075452062	13.66029775	7949.098047	1.59E-05
Proj00019-3UG-PAS	0.215676126	0.016450653	1.239324361	2.392714929	1141.555531	4.95E-05
Proj00019-3UG-UGAS	0.215676126	0.016450653	1.239324361	2.392714929	1141.555531	4.95E-05
Proj00026-3UG-ALT1	0.197686047	0.015078463	1.135949251	2.19313266	280.2253992	
Proj00026-3UG-ALT1	0.197686047	0.015078463	1.135949251	2.19313266	280.2253992	
Proj00026-3UG-ALT1	0.197686047	0.015078463	1.135949251	2.19313266	280.2253992	
Proj00020-3UG-PAS	0.148893156	0.011356795	0.855574135	1.651823421	605.7768869	
Proj00020-3UG-UGAS	0.148893156	0.011356795	0.855574135	1.651823421	605.7768869	
Proj00021-3UG-PAS	2.980351373	0.227325695	17.1257808	33.06407319	1209.027281	8.97E-06
Proj00021-3UG-UGAS	2.980351373	0.227325695	17.1257808	33.06407319	1209.027281	8.97E-06
Proj00022-3UG-PAS	1.828139979	0.139441005	10.50491054	20.2814187	59.31931545	
Proj00022-3UG-UGAS	1.828139979	0.139441005	10.50491054	20.2814187	6.88804081	
Proj00027-3UG-ALT1	0.76135095	0.058071889	4.374896729	8.446441502	11091.54147	1.88E-05
Proj00027-3UG-ALT1	0.76135095	0.058071889	4.374896729	8.446441502	11091.54147	1.88E-05
Proj00027-3UG-ALT1	0.76135095	0.058071889	4.374896729	8.446441502	11091.54147	1.88E-05
Proj00023-3UG-PAS	2.051081319	0.156445811	11.78598248	22.75473404	1120.258011	4.46E-05
Proj00023-3UG-UGAS	2.051081319	0.156445811	11.78598248	22.75473404	1111.348182	4.46E-05
Proj00024-3UG-PAS	0.273972814	0.020897221	1.574310465	3.03945946	372.1575865	5.54E-06
Proj00024-3UG-UGAS	0.273972814	0.020897221	1.574310465	3.03945946	372.1575865	5.54E-06
Proj00025-3UG-PAS	0.526675137	0.040172039	3.026395821	5.842943697	48.44933764	
Proj00025-3UG-UGAS	0.526675137	0.040172039	3.026395821	5.842943697	48.44933764	
Proj00028-3UG-ALT1	1.231320984	0.093918758	7.075452062	13.66029775	8270.245107	1.59E-05
Proj00028-3UG-ALT1	1.231320984	0.093918758	7.075452062	13.66029775	8270.245107	1.59E-05
Proj00028-3UG-ALT1	1.231320984	0.093918758	7.075452062	13.66029775	8270.245107	1.59E-05
Proj00026-3UG-PAS	0.197686047	0.015078463	1.135949251	2.19313266	280.2253992	
Proj00026-3UG-UGAS	0.197686047	0.015078463	1.135949251	2.19313266	280.2253992	
Proj00027-3UG-PAS	0.76135095	0.058071889	4.374896729	8.446441502	11091.54147	1.88E-05
Proj00027-3UG-UGAS	0.76135095	0.058071889	4.374896729	8.446441502	11091.54147	1.88E-05
Proj00028-3UG-PAS	1.231320984	0.093918758	7.075452062	13.66029775	8270.245107	1.59E-05
Proj00028-3UG-UGAS	1.231320984	0.093918758	7.075452062	13.66029775	7949.098047	1.59E-05

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rru_id	outage_program_pre_mitigated_residential_reliability_consequences	outage_program_pre_mitigated_non_residential_reliability_consequences	outage_program_pre_mitigated_financial_consequences	outage_program_post_mitigated_likelihood	outage_program_post_mitigated_safety_consequences	outage_program_post_mitigated_residential_reliability_consequences
Proj00001-3UG-ALT1	1.47E-05	0.001007015	0	3257.461895	2.78E-05	1.47E-05
Proj00001-3UG-ALT1	1.47E-05	0.001007015	0	3257.461895	2.78E-05	1.47E-05
Proj00001-3UG-ALT1	1.47E-05	0.001007015	0	3257.461895	2.78E-05	1.47E-05
Proj00001-3UG-PAS	1.47E-05	0.001007015	0	0	2.78E-05	1.47E-05
Proj00001-3UG-UGAS	1.47E-05	0.001007015	0	0	2.78E-05	1.47E-05
Proj00002-3UG-PAS	0.000257369	0.005267008	0	141.6172917		0.000257369
Proj00002-3UG-UGAS	0.000257369	0.005267008	0	0		0.000257369
Proj00003-3UG-PAS	2.85E-05	0.001252914	0	251.4855447	3.94E-05	2.85E-05
Proj00003-3UG-UGAS	2.85E-05	0.001252914	0	0	3.94E-05	2.85E-05
Proj00002-3UG-ALT1	0.000257369	0.005267008	0	229.3489084		0.000257369
Proj00002-3UG-ALT1	0.000257369	0.005267008	0	229.3489084		0.000257369
Proj00002-3UG-ALT1	0.000257369	0.005267008	0	229.3489084		0.000257369
Proj00004-3UG-PAS	4.48E-06	0.000119058	0	2.389520227	3.41E-05	4.48E-06
Proj00004-3UG-UGAS	4.48E-06	0.000119058	0	0	3.41E-05	4.48E-06
Proj00005-3UG-PAS	1.85E-06	0.000303419	0	0.133593598	8.35E-06	1.85E-06
Proj00005-3UG-UGAS	1.85E-06	0.000303419	0	0	8.35E-06	1.85E-06
Proj00006-3UG-PAS	1.29E-05	0.000813814	0	395.5617359	2.50E-05	1.29E-05
Proj00006-3UG-UGAS	1.29E-05	0.000813814	0	0	2.50E-05	1.29E-05
Proj00003-3UG-ALT1	2.85E-05	0.001252914	0	2834.494498	3.94E-05	2.85E-05
Proj00003-3UG-ALT1	2.85E-05	0.001252914	0	2834.494498	3.94E-05	2.85E-05
Proj00003-3UG-ALT1	2.85E-05	0.001252914	0	2834.494498	3.94E-05	2.85E-05
Proj00007-3UG-PAS	8.49E-07	0.000465494	0	953.1857103	1.25E-05	8.49E-07
Proj00006-3UG-UGAS	1.29E-05	0.000813814	0	0	2.50E-05	1.29E-05
Proj00008-3UG-PAS	3.28E-07	0.000698799	0	1609.249745	1.90E-05	3.28E-07
Proj00006-3UG-UGAS	1.29E-05	0.000813814	0	0	2.50E-05	1.29E-05
Proj00009-3UG-PAS	2.78E-05	0.000788946	0	26.39123199	2.06E-05	2.78E-05
Proj00007-3UG-UGAS	8.49E-07	0.000465494	0	0	1.25E-05	8.49E-07
Proj00004-3UG-ALT1	4.48E-06	0.000119058	0	187.55209	3.41E-05	4.48E-06
Proj00004-3UG-ALT1	4.48E-06	0.000119058	0	187.55209	3.41E-05	4.48E-06
Proj00004-3UG-ALT1	4.48E-06	0.000119058	0	187.55209	3.41E-05	4.48E-06
Proj00010-3UG-PAS	5.87E-05	0.001403083	0	64.38006529		5.87E-05
Proj00010-3UG-UGAS	5.87E-05	0.001403083	0	0		5.87E-05
Proj00011-3UG-PAS	2.92E-05	0.001777666	0	1518.143899	5.23E-05	2.92E-05
Proj00007-3UG-UGAS	8.49E-07	0.000465494	0	0	1.25E-05	8.49E-07
Proj00012-3UG-PAS	7.66E-06	0.000447944	0	502.8948057	1.48E-05	7.66E-06
Proj00007-3UG-UGAS	8.49E-07	0.000465494	0	0	1.25E-05	8.49E-07
Proj00005-3UG-ALT1	1.85E-06	0.000303419	0	785.285084	8.35E-06	1.85E-06
Proj00005-3UG-ALT1	1.85E-06	0.000303419	0	785.285084	8.35E-06	1.85E-06
Proj00005-3UG-ALT1	1.85E-06	0.000303419	0	785.285084	8.35E-06	1.85E-06
Proj00013-3UG-PAS	4.87E-05	0.001502186	0	230.2031929	3.55E-05	4.87E-05
Proj00008-3UG-UGAS	3.28E-07	0.000698799	0	0	1.90E-05	3.28E-07
Proj00014-3UG-PAS	0.00024625	0.00427329	0	0.0493886		0.00024625
Proj00014-3UG-UGAS	0.00024625	0.00427329	0	0		0.00024625
Proj00015-3UG-PAS	1.52E-05	0.000825703	0	217.6807418	3.19E-05	1.52E-05
Proj00008-3UG-UGAS	3.28E-07	0.000698799	0	0	1.90E-05	3.28E-07
Proj00006-3UG-ALT1	1.29E-05	0.000813814	0	972.963162	2.50E-05	1.29E-05
Proj00006-3UG-ALT1	1.29E-05	0.000813814	0	972.963162	2.50E-05	1.29E-05
Proj00006-3UG-ALT1	1.29E-05	0.000813814	0	972.963162	2.50E-05	1.29E-05
Proj00016-3UG-PAS	2.02E-05	0.000305602	0	176.5404339		2.02E-05
Proj00016-3UG-UGAS	2.02E-05	0.000305602	0	0		2.02E-05
Proj00017-3UG-PAS	0.000107815	0.002724139	0	272.8509797	4.54E-05	0.000107815
Proj00008-3UG-UGAS	3.28E-07	0.000698799	0	0	1.90E-05	3.28E-07
Proj00018-3UG-PAS	1.25E-05	0.001709971	0	18.44672875	5.43E-05	1.25E-05
Proj00009-3UG-UGAS	2.78E-05	0.000788946	0	0	2.06E-05	2.78E-05
Proj00007-3UG-ALT1	8.49E-07	0.000465494	0	1071.889071	1.25E-05	8.49E-07
Proj00007-3UG-ALT1	8.49E-07	0.000465494	0	1071.889071	1.25E-05	8.49E-07
Proj00007-3UG-ALT1	8.49E-07	0.000465494	0	1071.889071	1.25E-05	8.49E-07
Proj00019-3UG-PAS	9.96E-05	0.001798369	0	0.406323711	4.95E-05	9.96E-05
Proj00019-3UG-UGAS	9.96E-05	0.001798369	0	0	4.95E-05	9.96E-05
Proj00020-3UG-PAS	9.01E-05	0.000146689	0	0		9.01E-05
Proj00020-3UG-UGAS	9.01E-05	0.000146689	0	0		9.01E-05
Proj00021-3UG-PAS	1.54E-05	0.000353526	0	0	8.97E-06	1.54E-05
Proj00021-3UG-UGAS	1.54E-05	0.000353526	0	0	8.97E-06	1.54E-05
Proj00008-3UG-ALT1	3.28E-07	0.000698799	0	3662.541523	1.90E-05	3.28E-07
Proj00008-3UG-ALT1	3.28E-07	0.000698799	0	3662.541523	1.90E-05	3.28E-07
Proj00008-3UG-ALT1	3.28E-07	0.000698799	0	3662.541523	1.90E-05	3.28E-07
Proj00022-3UG-PAS	1.97E-05	0.000152795	0	25.18415321		1.97E-05
Proj00022-3UG-UGAS	1.97E-05	0.000152795	0	0		1.97E-05
Proj00023-3UG-PAS	6.62E-05	0.003312488	0	3.974811083	4.46E-05	6.62E-05
Proj00023-3UG-UGAS	6.62E-05	0.003312488	0	0	4.46E-05	6.62E-05
Proj00024-3UG-PAS	6.04E-07	0.000204173	0	0.048947465	5.54E-06	6.04E-07
Proj00024-3UG-UGAS	6.04E-07	0.000204173	0	0	5.54E-06	6.04E-07
Proj00009-3UG-ALT1	2.78E-05	0.000788946	0	1282.22072	2.06E-05	2.78E-05
Proj00009-3UG-ALT1	2.78E-05	0.000788946	0	1282.22072	2.06E-05	2.78E-05
Proj00009-3UG-ALT1	2.78E-05	0.000788946	0	1282.22072	2.06E-05	2.78E-05
Proj00025-3UG-PAS	2.57E-05	0.000269206	0	0.023530852		2.57E-05
Proj00025-3UG-UGAS	2.57E-05	0.000269206	0	0		2.57E-05
Proj00026-3UG-PAS	6.27E-06	6.89E-05	0	0		6.27E-06
Proj00026-3UG-UGAS	6.27E-06	6.89E-05	0	0		6.27E-06
Proj00027-3UG-PAS	2.22E-07	0.000247624	0	6.3072719	1.88E-05	2.22E-07
Proj00027-3UG-UGAS	2.22E-07	0.000247624	0	0	1.88E-05	2.22E-07
Proj00010-3UG-ALT1	5.87E-05	0.001403083	0	433.7679049		5.87E-05
Proj00010-3UG-ALT1	5.87E-05	0.001403083	0	433.7679049		5.87E-05
Proj00010-3UG-ALT1	5.87E-05	0.001403083	0	433.7679049		5.87E-05

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rru_id	outage_program_pre_mitigated_residential_reliability_consequences	outage_program_pre_mitigated_non_residential_reliability_consequences	outage_program_pre_mitigated_financial_consequences	outage_program_post_mitigated_likelihood	outage_program_post_mitigated_safety_consequences	outage_program_post_mitigated_residential_reliability_consequences
Proj00028-3UG-PAS	2.39E-06	0.000289132	0	1115.203811	1.59E-05	2.39E-06
Proj00009-3UG-UGAS	2.78E-05	0.000788946	0	0	2.06E-05	2.78E-05
Proj00001-3UG-PAS	1.47E-05	0.001007015	0	0	2.78E-05	1.47E-05
Proj00001-3UG-UGAS	1.47E-05	0.001007015	0	0	2.78E-05	1.47E-05
Proj00002-3UG-PAS	0.000257369	0.005267008	0	141.6172917		0.000257369
Proj00002-3UG-UGAS	0.000257369	0.005267008	0	0		0.000257369
Proj00011-3UG-ALT1	2.92E-05	0.001777666	0	3152.395791	5.23E-05	2.92E-05
Proj00011-3UG-ALT1	2.92E-05	0.001777666	0	3152.395791	5.23E-05	2.92E-05
Proj00011-3UG-ALT1	2.92E-05	0.001777666	0	3152.395791	5.23E-05	2.92E-05
Proj00003-3UG-PAS	2.85E-05	0.001252914	0	251.4855447	3.94E-05	2.85E-05
Proj00003-3UG-UGAS	2.85E-05	0.001252914	0	0	3.94E-05	2.85E-05
Proj00004-3UG-PAS	4.48E-06	0.000119058	0	2.389520227	3.41E-05	4.48E-06
Proj00004-3UG-UGAS	4.48E-06	0.000119058	0	0	3.41E-05	4.48E-06
Proj00005-3UG-PAS	1.85E-06	0.000303419	0	0.133593598	8.35E-06	1.85E-06
Proj00005-3UG-UGAS	1.85E-06	0.000303419	0	0	8.35E-06	1.85E-06
Proj00012-3UG-ALT1	7.66E-06	0.000447944	0	3472.163484	1.48E-05	7.66E-06
Proj00012-3UG-ALT1	7.66E-06	0.000447944	0	3472.163484	1.48E-05	7.66E-06
Proj00012-3UG-ALT1	7.66E-06	0.000447944	0	3472.163484	1.48E-05	7.66E-06
Proj00006-3UG-PAS	1.29E-05	0.000813814	0	395.5617359	2.50E-05	1.29E-05
Proj00009-3UG-UGAS	2.78E-05	0.000788946	0	0	2.06E-05	2.78E-05
Proj00007-3UG-PAS	8.49E-07	0.000465494	0	953.1857103	1.25E-05	8.49E-07
Proj00011-3UG-UGAS	2.92E-05	0.001777666	0	0	5.23E-05	2.92E-05
Proj00008-3UG-PAS	3.28E-07	0.000698799	0	1609.249745	1.80E-05	3.28E-07
Proj00011-3UG-UGAS	2.92E-05	0.001777666	0	0	5.23E-05	2.92E-05
Proj00013-3UG-ALT1	4.87E-05	0.001502186	0	755.6148225	3.55E-05	4.87E-05
Proj00013-3UG-ALT1	4.87E-05	0.001502186	0	755.6148225	3.55E-05	4.87E-05
Proj00013-3UG-ALT1	4.87E-05	0.001502186	0	755.6148225	3.55E-05	4.87E-05
Proj00009-3UG-PAS	2.78E-05	0.000788946	0	26.39123199	2.06E-05	2.78E-05
Proj00011-3UG-UGAS	2.92E-05	0.001777666	0	0	5.23E-05	2.92E-05
Proj00010-3UG-PAS	5.87E-05	0.001403083	0	64.38006529		5.87E-05
Proj00010-3UG-UGAS	5.87E-05	0.001403083	0	0		5.87E-05
Proj00011-3UG-PAS	2.92E-05	0.001777666	0	1518.143899	5.23E-05	2.92E-05
Proj00012-3UG-UGAS	7.66E-06	0.000447944	0	0	1.48E-05	7.66E-06
Proj00014-3UG-ALT1	0.00024625	0.00427329	0	36.47649278		0.00024625
Proj00014-3UG-ALT1	0.00024625	0.00427329	0	36.47649278		0.00024625
Proj00014-3UG-ALT1	0.00024625	0.00427329	0	36.47649278		0.00024625
Proj00012-3UG-PAS	7.66E-06	0.000447944	0	502.8948057	1.48E-05	7.66E-06
Proj00012-3UG-UGAS	7.66E-06	0.000447944	0	0	1.48E-05	7.66E-06
Proj00013-3UG-PAS	4.87E-05	0.001502186	0	230.2031929	3.55E-05	4.87E-05
Proj00012-3UG-UGAS	7.66E-06	0.000447944	0	0	1.48E-05	7.66E-06
Proj00014-3UG-PAS	0.00024625	0.00427329	0	0.0493886		0.00024625
Proj00014-3UG-UGAS	0.00024625	0.00427329	0	0		0.00024625
Proj00015-3UG-ALT1	1.52E-05	0.000825703	0	3075.870807	3.19E-05	1.52E-05
Proj00015-3UG-ALT1	1.52E-05	0.000825703	0	3075.870807	3.19E-05	1.52E-05
Proj00015-3UG-ALT1	1.52E-05	0.000825703	0	3075.870807	3.19E-05	1.52E-05
Proj00015-3UG-PAS	1.52E-05	0.000825703	0	217.6807418	3.19E-05	1.52E-05
Proj00013-3UG-UGAS	4.87E-05	0.001502186	0	0	3.55E-05	4.87E-05
Proj00016-3UG-PAS	2.02E-05	0.000305602	0	176.5404339		2.02E-05
Proj00016-3UG-UGAS	2.02E-05	0.000305602	0	0		2.02E-05
Proj00017-3UG-PAS	0.000107815	0.002724139	0	272.8509797	4.54E-05	0.000107815
Proj00013-3UG-UGAS	4.87E-05	0.001502186	0	0	3.55E-05	4.87E-05
Proj00018-3UG-ALT1	2.02E-05	0.000305602	0	186.6822823		2.02E-05
Proj00018-3UG-ALT1	2.02E-05	0.000305602	0	186.6822823		2.02E-05
Proj00018-3UG-ALT1	2.02E-05	0.000305602	0	186.6822823		2.02E-05
Proj00018-3UG-PAS	1.25E-05	0.001709971	0	18.44672875	5.43E-05	1.25E-05
Proj00013-3UG-UGAS	4.87E-05	0.001502186	0	0	3.55E-05	4.87E-05
Proj00019-3UG-PAS	9.96E-05	0.001798369	0	0.406323711	4.95E-05	9.96E-05
Proj00019-3UG-UGAS	9.96E-05	0.001798369	0	0	4.95E-05	9.96E-05
Proj00020-3UG-PAS	9.01E-05	0.000146689	0	0		9.01E-05
Proj00020-3UG-UGAS	9.01E-05	0.000146689	0	0		9.01E-05
Proj00017-3UG-ALT1	0.000107815	0.002724139	0	593.8067865	4.54E-05	0.000107815
Proj00017-3UG-ALT1	0.000107815	0.002724139	0	593.8067865	4.54E-05	0.000107815
Proj00017-3UG-ALT1	0.000107815	0.002724139	0	593.8067865	4.54E-05	0.000107815
Proj00021-3UG-PAS	1.54E-05	0.000353526	0	0	8.97E-06	1.54E-05
Proj00021-3UG-UGAS	1.54E-05	0.000353526	0	0	8.97E-06	1.54E-05
Proj00022-3UG-PAS	1.97E-05	0.000152795	0	25.18415321		1.97E-05
Proj00022-3UG-UGAS	1.97E-05	0.000152795	0	0		1.97E-05
Proj00023-3UG-PAS	6.62E-05	0.003312488	0	3.974811083	4.46E-05	6.62E-05
Proj00023-3UG-UGAS	6.62E-05	0.003312488	0	0	4.46E-05	6.62E-05
Proj00018-3UG-ALT1	1.25E-05	0.001709971	0	834.3462	5.43E-05	1.25E-05
Proj00018-3UG-ALT1	1.25E-05	0.001709971	0	834.3462	5.43E-05	1.25E-05
Proj00018-3UG-ALT1	1.25E-05	0.001709971	0	834.3462	5.43E-05	1.25E-05
Proj00024-3UG-PAS	6.04E-07	0.000204173	0	0.048947465	5.54E-06	6.04E-07
Proj00024-3UG-UGAS	6.04E-07	0.000204173	0	0	5.54E-06	6.04E-07
Proj00025-3UG-PAS	2.57E-05	0.000269206	0	0.02353085		2.57E-05
Proj00025-3UG-UGAS	2.57E-05	0.000269206	0	0		2.57E-05
Proj00026-3UG-PAS	6.27E-06	6.89E-05	0	0		6.27E-06
Proj00026-3UG-UGAS	6.27E-06	6.89E-05	0	0		6.27E-06
Proj00019-3UG-ALT1	9.96E-05	0.001798369	0	695.44428	4.95E-05	9.96E-05
Proj00019-3UG-ALT1	9.96E-05	0.001798369	0	695.44428	4.95E-05	9.96E-05
Proj00019-3UG-ALT1	9.96E-05	0.001798369	0	695.44428	4.95E-05	9.96E-05
Proj00027-3UG-PAS	2.22E-07	0.000247624	0	6.3072719	1.88E-05	2.22E-07
Proj00027-3UG-UGAS	2.22E-07	0.000247624	0	0	1.88E-05	2.22E-07
Proj00028-3UG-PAS	2.39E-06	0.000289132	0	1115.203811	1.59E-05	2.39E-06

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rru_id	outage_program_pre_mitigated_residential_reliability_consequences	outage_program_pre_mitigated_non_residential_reliability_consequences	outage_program_pre_mitigated_financial_consequences	outage_program_post_mitigated_likelihood	outage_program_post_mitigated_safety_consequences	outage_program_post_mitigated_residential_reliability_consequences
Proj00015-3UG-UGAS	1.52E-05	0.000825703	0	0	3.19E-05	1.52E-05
Proj00001-3UG-PAS	1.47E-05	0.001007015	0	0	2.78E-05	1.47E-05
Proj00001-3UG-UGAS	1.47E-05	0.001007015	0	0	2.78E-05	1.47E-05
Proj00020-3UG-ALT1	9.01E-05	0.000146689	0	290.7729057		9.01E-05
Proj00020-3UG-ALT1	9.01E-05	0.000146689	0	290.7729057		9.01E-05
Proj00020-3UG-ALT1	9.01E-05	0.000146689	0	290.7729057		9.01E-05
Proj00002-3UG-PAS	0.000257369	0.005267008	0	141.6172917		0.000257369
Proj00002-3UG-UGAS	0.000257369	0.005267008	0	0		0.000257369
Proj00003-3UG-PAS	2.85E-05	0.001252914	0	251.4855447	3.94E-05	2.85E-05
Proj00003-3UG-UGAS	2.85E-05	0.001252914	0	0	3.94E-05	2.85E-05
Proj00004-3UG-PAS	4.48E-06	0.000119058	0	2.389520227	3.41E-05	4.48E-06
Proj00004-3UG-UGAS	4.48E-06	0.000119058	0	0	3.41E-05	4.48E-06
Proj00021-3UG-ALT1	1.54E-05	0.000353526	0	900.1116505	8.97E-06	1.54E-05
Proj00021-3UG-ALT1	1.54E-05	0.000353526	0	900.1116505	8.97E-06	1.54E-05
Proj00021-3UG-ALT1	1.54E-05	0.000353526	0	900.1116505	8.97E-06	1.54E-05
Proj00005-3UG-PAS	1.85E-06	0.000303419	0	0.133593598	8.35E-06	1.85E-06
Proj00005-3UG-UGAS	1.85E-06	0.000303419	0	0	8.35E-06	1.85E-06
Proj00006-3UG-PAS	1.29E-05	0.000813814	0	395.5617359	2.50E-05	1.29E-05
Proj00015-3UG-UGAS	1.52E-05	0.000825703	0	0	3.19E-05	1.52E-05
Proj00007-3UG-PAS	8.49E-07	0.000465494	0	953.1857103	1.25E-05	8.49E-07
Proj00015-3UG-UGAS	1.52E-05	0.000825703	0	0	3.19E-05	1.52E-05
Proj00022-3UG-ALT1	1.97E-05	0.000152795	0	28.4904128		1.97E-05
Proj00022-3UG-ALT1	1.97E-05	0.000152795	0	28.4904128		1.97E-05
Proj00022-3UG-ALT1	1.97E-05	0.000152795	0	28.4904128		1.97E-05
Proj00008-3UG-PAS	3.28E-07	0.000698799	0	1609.249745	1.90E-05	3.28E-07
Proj00017-3UG-UGAS	0.000107815	0.002724139	0	0	4.54E-05	0.000107815
Proj00009-3UG-PAS	2.78E-05	0.000788946	0	26.39123199	2.06E-05	2.78E-05
Proj00017-3UG-UGAS	0.000107815	0.002724139	0	0	4.54E-05	0.000107815
Proj00010-3UG-PAS	5.87E-05	0.001403083	0	64.38006529		5.87E-05
Proj00010-3UG-UGAS	5.87E-05	0.001403083	0	0		5.87E-05
Proj00023-3UG-ALT1	6.62E-05	0.003312488	0	588.3214649	4.46E-05	6.62E-05
Proj00023-3UG-ALT1	6.62E-05	0.003312488	0	588.3214649	4.46E-05	6.62E-05
Proj00023-3UG-ALT1	6.62E-05	0.003312488	0	588.3214649	4.46E-05	6.62E-05
Proj00011-3UG-PAS	2.92E-05	0.001777666	0	1518.143899	5.23E-05	2.92E-05
Proj00017-3UG-UGAS	0.000107815	0.002724139	0	0	4.54E-05	0.000107815
Proj00012-3UG-PAS	7.66E-06	0.000447944	0	502.8948057	1.48E-05	7.66E-06
Proj00018-3UG-UGAS	1.25E-05	0.001709971	0	0	5.43E-05	1.25E-05
Proj00013-3UG-PAS	4.87E-05	0.001502186	0	230.2031929	3.55E-05	4.87E-05
Proj00018-3UG-UGAS	1.25E-05	0.001709971	0	0	5.43E-05	1.25E-05
Proj00024-3UG-ALT1	6.04E-07	0.000204173	0	352.2835748	5.54E-06	6.04E-07
Proj00024-3UG-ALT1	6.04E-07	0.000204173	0	352.2835748	5.54E-06	6.04E-07
Proj00024-3UG-ALT1	6.04E-07	0.000204173	0	352.2835748	5.54E-06	6.04E-07
Proj00014-3UG-PAS	0.00024625	0.00427329	0	0.0493886		0.00024625
Proj00014-3UG-UGAS	0.00024625	0.00427329	0	0		0.00024625
Proj00015-3UG-PAS	1.52E-05	0.000825703	0	217.6807418	3.19E-05	1.52E-05
Proj00018-3UG-UGAS	1.25E-05	0.001709971	0	0	5.43E-05	1.25E-05
Proj00016-3UG-PAS	2.02E-05	0.000305602	0	176.5404339		2.02E-05
Proj00016-3UG-UGAS	2.02E-05	0.000305602	0	0		2.02E-05
Proj00025-3UG-ALT1	2.57E-05	0.000269206	0	23.26791811		2.57E-05
Proj00025-3UG-ALT1	2.57E-05	0.000269206	0	23.26791811		2.57E-05
Proj00025-3UG-ALT1	2.57E-05	0.000269206	0	23.26791811		2.57E-05
Proj00017-3UG-PAS	0.000107815	0.002724139	0	272.8509797	4.54E-05	0.000107815
Proj00028-3UG-UGAS	2.39E-06	0.000289132	0	0	1.59E-05	2.39E-06
Proj00018-3UG-PAS	1.25E-05	0.001709971	0	18.44672875	5.43E-05	1.25E-05
Proj00028-3UG-UGAS	2.39E-06	0.000289132	0	0	1.59E-05	2.39E-06
Proj00019-3UG-PAS	9.96E-05	0.001798369	0	0.406323711	4.95E-05	9.96E-05
Proj00019-3UG-UGAS	9.96E-05	0.001798369	0	0	4.95E-05	9.96E-05
Proj00026-3UG-ALT1	6.27E-06	6.89E-05	0	134.5902457		6.27E-06
Proj00026-3UG-ALT1	6.27E-06	6.89E-05	0	134.5902457		6.27E-06
Proj00026-3UG-ALT1	6.27E-06	6.89E-05	0	134.5902457		6.27E-06
Proj00020-3UG-PAS	9.01E-05	0.000146689	0	0		9.01E-05
Proj00020-3UG-UGAS	9.01E-05	0.000146689	0	0		9.01E-05
Proj00021-3UG-PAS	1.54E-05	0.000353526	0	0	8.97E-06	1.54E-05
Proj00021-3UG-UGAS	1.54E-05	0.000353526	0	0	8.97E-06	1.54E-05
Proj00022-3UG-PAS	1.97E-05	0.000152795	0	25.18415321		1.97E-05
Proj00022-3UG-UGAS	1.97E-05	0.000152795	0	0		1.97E-05
Proj00027-3UG-ALT1	2.22E-07	0.000247624	0	9000.086673	1.88E-05	2.22E-07
Proj00027-3UG-ALT1	2.22E-07	0.000247624	0	9000.086673	1.88E-05	2.22E-07
Proj00027-3UG-ALT1	2.22E-07	0.000247624	0	9000.086673	1.88E-05	2.22E-07
Proj00023-3UG-PAS	6.62E-05	0.003312488	0	3.974811083	4.46E-05	6.62E-05
Proj00023-3UG-UGAS	6.62E-05	0.003312488	0	0	4.46E-05	6.62E-05
Proj00024-3UG-PAS	6.04E-07	0.000204173	0	0.048947465	5.54E-06	6.04E-07
Proj00024-3UG-UGAS	6.04E-07	0.000204173	0	0	5.54E-06	6.04E-07
Proj00025-3UG-PAS	2.57E-05	0.000269206	0	0.02353085		2.57E-05
Proj00025-3UG-UGAS	2.57E-05	0.000269206	0	0		2.57E-05
Proj00028-3UG-ALT1	2.39E-06	0.000289132	0	8007.932721	1.59E-05	2.39E-06
Proj00028-3UG-ALT1	2.39E-06	0.000289132	0	8007.932721	1.59E-05	2.39E-06
Proj00028-3UG-ALT1	2.39E-06	0.000289132	0	8007.932721	1.59E-05	2.39E-06
Proj00026-3UG-PAS	6.27E-06	6.89E-05	0	0		6.27E-06
Proj00026-3UG-UGAS	6.27E-06	6.89E-05	0	0		6.27E-06
Proj00027-3UG-PAS	2.22E-07	0.000247624	0	6.3072719	1.88E-05	2.22E-07
Proj00027-3UG-UGAS	2.22E-07	0.000247624	0	0	1.88E-05	2.22E-07
Proj00028-3UG-PAS	2.39E-06	0.000289132	0	1115.203811	1.59E-05	2.39E-06
Proj00028-3UG-UGAS	2.39E-06	0.000289132	0	0	1.59E-05	2.39E-06

SPD-37
Pacific Gas and Electric Company
Electrical Undergrounding Program
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rru_id	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	post_mitigated_outage_program_risk	pre_mitigated_overall_utility_risk	post_mitigated_overall_utility_risk	discount_rate_scenario
Proj00001-3UG-ALT1	0.001007015	0	0.144927872	0.07949449	3.484985707	3.328166645	3.629913579	3.407661135	Societal Discount Rate Scenario
Proj00001-3UG-ALT1	0.001007015	0	0.144927872	0.07949449	3.484985707	3.328166645	3.629913579	3.407661135	Hybrid Discount Rate Scenario
Proj00001-3UG-ALT1	0.001007015	0	0.144927872	0.07949449	3.484985707	3.328166645	3.629913579	3.407661135	WACC Discount Rate Scenario
Proj00001-3UG-PAS	0.001007015	0	0.144927872	0.009171117	3.484985707	0	3.629913579	0.009171117	WACC Discount Rate Scenario
Proj00001-3UG-UGAS	0.001007015	0	0.144927872	0.009171117	3.484985707	0	3.629913579	0.009171117	WACC Discount Rate Scenario
Proj00002-3UG-PAS	0.005267008	0	0.084876472	0.042233475	1.792060839	0.782347281	1.876937311	0.824580755	WACC Discount Rate Scenario
Proj00002-3UG-UGAS	0.005267008	0	0.047846557	0.005224375	1.01022038	0	1.058066937	0.005224375	WACC Discount Rate Scenario
Proj00003-3UG-PAS	0.001252914	0	0.227406399	0.035240688	4.686161629	0.322254624	4.913568028	0.357495312	WACC Discount Rate Scenario
Proj00003-3UG-UGAS	0.001252914	0	0.211014422	0.01905642	4.348372309	0	4.559386732	0.01905642	WACC Discount Rate Scenario
Proj00002-3UG-ALT1	0.005267008	0	0.084876472	0.065020611	1.792060839	1.267009789	1.876937311	1.3320304	WACC Discount Rate Scenario
Proj00002-3UG-ALT1	0.005267008	0	0.084876472	0.065020611	1.792060839	1.267009789	1.876937311	1.3320304	Hybrid Discount Rate Scenario
Proj00002-3UG-ALT1	0.005267008	0	0.084876472	0.065020611	1.792060839	1.267009789	1.876937311	1.3320304	Societal Discount Rate Scenario
Proj00004-3UG-PAS	0.000119058	0	0.039826272	0.002453746	0.046249038	0.000295198	0.08607531	0.002748944	WACC Discount Rate Scenario
Proj00004-3UG-UGAS	0.000119058	0	0.039826272	0.002229891	0.046249038	0	0.08607531	0.002229891	WACC Discount Rate Scenario
Proj00005-3UG-PAS	0.000303419	0	0.118826243	0.008081014	0.257345778	4.08E-05	0.376172021	0.008121796	WACC Discount Rate Scenario
Proj00005-3UG-UGAS	0.000303419	0	0.118826243	0.008178753	0.257345778	0	0.376172021	0.008178753	WACC Discount Rate Scenario
Proj00006-3UG-PAS	0.000813814	0	0.089932028	0.025986291	1.15177317	0.327004221	1.241705198	0.352990512	WACC Discount Rate Scenario
Proj00006-3UG-UGAS	0.000813814	0	0.037917083	0.003420049	0.506611063	0	0.544528146	0.003420049	WACC Discount Rate Scenario
Proj00003-3UG-ALT1	0.001252914	0	0.227406399	0.137304843	4.686161629	3.632133048	4.913568028	3.769437891	Societal Discount Rate Scenario
Proj00003-3UG-ALT1	0.001252914	0	0.227406399	0.137304843	4.686161629	3.632133048	4.913568028	3.769437891	Hybrid Discount Rate Scenario
Proj00003-3UG-ALT1	0.001252914	0	0.227406399	0.137304843	4.686161629	3.632133048	4.913568028	3.769437891	WACC Discount Rate Scenario
Proj00007-3UG-PAS	0.000465494	0	0.623535001	0.299977996	0.522887856	0.444511649	1.146422857	0.744489645	WACC Discount Rate Scenario
Proj00006-3UG-UGAS	0.000813814	0	0.037917083	0.003420049	0.506611063	0	0.544528146	0.003420049	Societal Discount Rate Scenario
Proj00008-3UG-PAS	0.000698799	0	1.736828409	0.671386733	2.662774219	1.12506962	4.399602627	1.796456354	WACC Discount Rate Scenario
Proj00006-3UG-UGAS	0.000813814	0	0.037917083	0.003420049	0.506611063	0	0.544528146	0.003420049	Hybrid Discount Rate Scenario
Proj00009-3UG-PAS	0.000788946	0	0.280658615	0.027429741	1.405558119	0.021554211	1.686216734	0.048983952	WACC Discount Rate Scenario
Proj00007-3UG-UGAS	0.000465494	0	0.088338821	0.004953064	0.058611615	0	0.146950436	0.004953064	WACC Discount Rate Scenario
Proj00004-3UG-ALT1	0.000119058	0	0.039826272	0.023989536	0.046249038	0.023169923	0.08607531	0.047159459	WACC Discount Rate Scenario
Proj00004-3UG-ALT1	0.000119058	0	0.039826272	0.023989536	0.046249038	0.023169923	0.08607531	0.047159459	Hybrid Discount Rate Scenario
Proj00004-3UG-ALT1	0.000119058	0	0.039826272	0.023989536	0.046249038	0.023169923	0.08607531	0.047159459	Societal Discount Rate Scenario
Proj00010-3UG-PAS	0.001403083	0	0.203216569	0.029656813	1.320995235	0.094110154	1.524211804	0.123766968	WACC Discount Rate Scenario
Proj00010-3UG-UGAS	0.001403083	0	0.173188683	0.012444461	1.125671029	0	1.298839711	0.012444461	WACC Discount Rate Scenario
Proj00011-3UG-PAS	0.001777666	0	0.208897726	0.110958506	6.214823378	2.743143161	6.423721104	2.854101667	WACC Discount Rate Scenario
Proj00007-3UG-UGAS	0.000465494	0	0.088338821	0.004953064	0.058611615	0	0.146950436	0.004953064	Societal Discount Rate Scenario
Proj00012-3UG-PAS	0.000447844	0	0.204327555	0.01703064	1.780669108	0.229119038	1.973396663	0.276155438	WACC Discount Rate Scenario
Proj00007-3UG-UGAS	0.000465494	0	0.088338821	0.004953064	0.058611615	0	0.146950436	0.004953064	Hybrid Discount Rate Scenario
Proj00005-3UG-ALT1	0.000303419	0	0.118826243	0.072400351	0.257345778	0.239725043	0.376172021	0.312125394	Hybrid Discount Rate Scenario
Proj00005-3UG-ALT1	0.000303419	0	0.118826243	0.072400351	0.257345778	0.239725043	0.376172021	0.312125394	Societal Discount Rate Scenario
Proj00005-3UG-ALT1	0.000303419	0	0.118826243	0.072400351	0.257345778	0.239725043	0.376172021	0.312125394	WACC Discount Rate Scenario
Proj00013-3UG-PAS	0.001502186	0	0.211213037	0.014596963	2.055802951	0.35702357	2.267015988	0.371620532	WACC Discount Rate Scenario
Proj00008-3UG-UGAS	0.000698799	0	0.718404599	0.05153747	1.416233603	0	2.134638202	0.05153747	WACC Discount Rate Scenario
Proj00014-3UG-PAS	0.00427329	0	0.093214105	0.006256638	0.343210187	0.000223214	0.436424292	0.006479852	WACC Discount Rate Scenario
Proj00014-3UG-UGAS	0.00427329	0	0.093214105	0.006287385	0.343210187	0	0.436424292	0.006287385	WACC Discount Rate Scenario
Proj00015-3UG-PAS	0.000825703	0	2.075247385	0.304292313	3.497412819	0.183058587	5.572660204	0.487350899	WACC Discount Rate Scenario
Proj00008-3UG-UGAS	0.000698799	0	0.718404599	0.05153747	1.416233603	0	2.134638202	0.05153747	Societal Discount Rate Scenario
Proj00006-3UG-ALT1	0.000813814	0	0.089932028	0.051202071	1.15177317	0.80433225	1.241705198	0.855534321	Hybrid Discount Rate Scenario
Proj00006-3UG-ALT1	0.000813814	0	0.089932028	0.051202071	1.15177317	0.80433225	1.241705198	0.855534321	WACC Discount Rate Scenario
Proj00006-3UG-ALT1	0.000813814	0	0.089932028	0.051202071	1.15177317	0.80433225	1.241705198	0.855534321	Societal Discount Rate Scenario
Proj00016-3UG-PAS	0.000305602	0	2.025751737	1.085215427	0.126705428	0.057514526	2.152457165	1.142729953	WACC Discount Rate Scenario
Proj00016-3UG-UGAS	0.000305602	0	0.110369499	0.007566197	0.006903321	0	0.117272782	0.007566197	WACC Discount Rate Scenario
Proj00017-3UG-PAS	0.002724139	0	0.208640272	0.072080016	3.084995557	0.77270149	3.293635829	0.844781505	WACC Discount Rate Scenario
Proj00008-3UG-UGAS	0.000698799	0	0.718404599	0.05153747	1.416233603	0	2.134638202	0.05153747	Hybrid Discount Rate Scenario
Proj00018-3UG-PAS	0.001709971	0	0.051234418	0.00835241	1.573232409	0.031774738	1.624468827	0.040127148	WACC Discount Rate Scenario
Proj00009-3UG-UGAS	0.000788946	0	0.259904467	0.017250832	1.348415086	0	1.608319553	0.017250832	WACC Discount Rate Scenario
Proj00007-3UG-ALT1	0.000465494	0	0.623535001	0.343726733	0.522887856	0.499868151	1.146422857	0.843594884	Societal Discount Rate Scenario
Proj00007-3UG-ALT1	0.000465494	0	0.623535001	0.343726733	0.522887856	0.499868151	1.146422857	0.843594884	WACC Discount Rate Scenario
Proj00007-3UG-ALT1	0.000465494	0	0.623535001	0.343726733	0.522887856	0.499868151	1.146422857	0.843594884	Hybrid Discount Rate Scenario
Proj00019-3UG-PAS	0.001798369	0	0.336378677	0.02114283	2.16662363	0.000771185	2.503002307	0.021914015	WACC Discount Rate Scenario
Proj00019-3UG-UGAS	0.001798369	0	0.336378677	0.021314875	2.16662363	0	2.503002307	0.021314875	WACC Discount Rate Scenario
Proj00020-3UG-PAS	0.000146689	0	0.160149556	0.009567803	0.14346501	0	0.303614567	0.009567803	WACC Discount Rate Scenario
Proj00020-3UG-UGAS	0.000146689	0	0.160149556	0.009727057	0.14346501	0	0.303614567	0.009727057	WACC Discount Rate Scenario
Proj00021-3UG-PAS	0.000353526	0	1.702365495	0.122053366	0.445987222	0	2.148352717	0.122070441	WACC Discount Rate Scenario
Proj00021-3UG-UGAS	0.000353526	0	1.702365495	0.122053366	0.445987222	0	2.148352717	0.122070441	WACC Discount Rate Scenario
Proj00008-3UG-ALT1	0.000698799	0	1.736828409	1.018356045	2.662774219	2.560580925	4.399602627	3.57893697	WACC Discount Rate Scenario
Proj00008-3UG-ALT1	0.000698799	0	1.736828409	1.018356045	2.662774219	2.560580925	4.399602627	3.57893697	Societal Discount Rate Scenario
Proj00008-3UG-ALT1	0.000698799	0	1.736828409	1.018356045	2.662774219	2.560580925	4.399602627	3.57893697	Hybrid Discount Rate Scenario
Proj00022-3UG-PAS	0.000152795	0	0.243666742	0.12790985	0.010230824	0.00434352	0.253897566	0.13225337	WACC Discount Rate Scenario
Proj00022-3UG-UGAS	0.000152795	0	0.028294907	0.002478653	0.001187983	0	0.02948208	0.002478653	WACC Discount Rate Scenario
Proj00023-3UG-PAS	0.003312488	0	2.202234688	0.166522442	3.784982853	0.013429578	5.987217541	0.17995202	WACC Discount Rate Scenario
Proj00023-3UG-UGAS	0.003312488	0	2.184719495	0.15798849	3.754879474	0	5.939598969	0.15798849	WACC Discount Rate Scenario
Proj00024-3UG-PAS	0.000204173	0	0.029628248	0.001867247	0.076209214	1.00E-05	0.105837462	0.00187727	WACC Discount Rate Scenario
Proj00024-3UG-UGAS	0.000204173	0	0.029628248	0.001858524	0.076209214	0	0.105837462	0.001858524	WACC Discount Rate Scenario
Proj00009-3UG-ALT1	0.000788946	0	0.280658615	0.157776414	1.405558119	1.047213546	1.686216734	1.204989959	WACC Discount Rate Scenario
Proj00009-3UG-ALT1	0.000788946	0	0.280658615	0.157776414	1.405558119	1.047213546	1.686216734	1.204989959	Hybrid Discount Rate Scenario
Proj00009-3UG-ALT1	0.000788946	0	0.280658615	0.157776414	1.405558119	1.047213546	1.686216734	1.204989959	Societal Discount Rate Scenario
Proj00025-3UG-PAS	0.000269206	0	0.276679714	0.017143386	0.014289247	6.94E-06	0.290968962	0.017141326	WACC Discount Rate Scenario
Proj00025-3UG-UGAS	0.000269206	0	0.276679714	0.017872121	0.014289247	0	0.290968962	0.017872121	WACC Discount Rate Scenario
Proj00026-3UG-PAS	6.89E-05	0	0.113085647	0.006424306	0.021060482	0	0.134146129	0.006436166	WACC Discount Rate Scenario
Proj00026-3UG-UGAS	6.89E-05	0	0.113085647	0.006424306	0.021060482	0	0.134146129	0.006436166	WACC Discount Rate Scenario
Proj00027-3UG-PAS	0.000247624	0	0.337261317	0.020995424	2.748995023	0.001563233	3.086256341	0.022558657	WACC Discount Rate Scenario
Proj00027-3UG-UGAS	0.000247624	0	0.337261317	0.020799772	2.748995023	0	3.086256341	0.020799772	WACC Discount Rate Scenario
Proj00010-3UG-ALT1	0.001403083	0	0.203216569	0.117163704	1.320995235	0.634077713	1.524211804	0.751241416	WACC Discount Rate Scenario
Proj00010-3UG-ALT1	0.001403083	0	0.203216569	0.117163704	1.320995235	0.634077713	1.524211804	0.751241416	Societal Discount Rate Scenario
Proj00010-3UG-ALT1	0.001403083	0	0.203216569	0.117163704	1.320995235	0.634077713	1.524211804	0.751241416	Hybrid Discount Rate Scenario

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rru_id	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	post_mitigated_outage_program_risk	pre_mitigated_overall_utility_risk	post_mitigated_overall_utility_risk	discount_rate_scenario
Proj00028-3UG-PAS	0.000289132	0	0.133159541	0.028220803	2.410964152	0.325107222	2.544123693	0.353328025	WACC Discount Rate Scenario
Proj00009-3UG-UGAS	0.000788946	0	0.259904467	0.017250832	1.348415086	0	1.608319553	0.017250832	Societal Discount Rate Scenario
Proj00001-3UG-PAS	0.001007015	0	0.144927872	0.009171117	3.484985707	0	3.629913579	0.009171117	Societal Discount Rate Scenario
Proj00001-3UG-UGAS	0.001007015	0	0.144927872	0.009171117	3.484985707	0	3.629913579	0.009171117	Societal Discount Rate Scenario
Proj00002-3UG-PAS	0.005267008	0	0.084876472	0.042233475	1.792060839	0.782347281	1.876937311	0.824580755	Societal Discount Rate Scenario
Proj00002-3UG-UGAS	0.005267008	0	0.047846557	0.005224375	1.01022038	0	1.058066937	0.005224375	Societal Discount Rate Scenario
Proj00011-3UG-ALT1	0.001777666	0	0.208897726	0.163188919	6.214823378	5.69608254	6.423721104	5.859271458	Societal Discount Rate Scenario
Proj00011-3UG-ALT1	0.001777666	0	0.208897726	0.163188919	6.214823378	5.69608254	6.423721104	5.859271458	WACC Discount Rate Scenario
Proj00011-3UG-ALT1	0.001777666	0	0.208897726	0.163188919	6.214823378	5.69608254	6.423721104	5.859271458	Hybrid Discount Rate Scenario
Proj00003-3UG-PAS	0.001252914	0	0.227406399	0.035240688	4.886161629	0.322254624	4.913568028	0.357495312	Societal Discount Rate Scenario
Proj00003-3UG-UGAS	0.001252914	0	0.211014422	0.01905642	4.348372309	0	4.559386732	0.01905642	Societal Discount Rate Scenario
Proj00004-3UG-PAS	0.000119058	0	0.039826272	0.002453746	0.046249038	0.000295198	0.08607531	0.002748944	Societal Discount Rate Scenario
Proj00004-3UG-UGAS	0.000119058	0	0.039826272	0.002229891	0.046249038	0	0.08607531	0.002229891	Societal Discount Rate Scenario
Proj00005-3UG-PAS	0.000303419	0	0.118826243	0.008081014	0.257345778	4.08E-05	0.376172021	0.008121796	Societal Discount Rate Scenario
Proj00005-3UG-UGAS	0.000303419	0	0.118826243	0.008178753	0.257345778	0	0.376172021	0.008178753	Societal Discount Rate Scenario
Proj00012-3UG-ALT1	0.000447944	0	0.204327555	0.123636012	1.769069108	1.581918818	1.973396663	1.70555483	WACC Discount Rate Scenario
Proj00012-3UG-ALT1	0.000447944	0	0.204327555	0.123636012	1.769069108	1.581918818	1.973396663	1.70555483	Hybrid Discount Rate Scenario
Proj00012-3UG-ALT1	0.000447944	0	0.204327555	0.123636012	1.769069108	1.581918818	1.973396663	1.70555483	Societal Discount Rate Scenario
Proj00006-3UG-PAS	0.000813814	0	0.089932028	0.025986291	1.15177317	0.327004221	1.241705198	0.352990512	Societal Discount Rate Scenario
Proj00009-3UG-UGAS	0.000788946	0	0.259904467	0.017250832	1.348415086	0	1.608319553	0.017250832	Hybrid Discount Rate Scenario
Proj00007-3UG-PAS	0.000465494	0	0.623535001	0.299977996	0.522887856	0.444511649	1.146422857	0.744489645	Societal Discount Rate Scenario
Proj00011-3UG-UGAS	0.001777666	0	0.107479894	0.009612997	3.471680217	0	3.579160111	0.009612997	WACC Discount Rate Scenario
Proj00008-3UG-PAS	0.000698799	0	1.736828409	0.671386733	2.662774219	1.12506962	4.399602627	1.796456354	Societal Discount Rate Scenario
Proj00011-3UG-UGAS	0.001777666	0	0.107479894	0.009612997	3.471680217	0	3.579160111	0.009612997	Societal Discount Rate Scenario
Proj00013-3UG-ALT1	0.001502186	0	0.211213037	0.126896184	2.055802951	1.171887748	2.267015988	1.298783932	Societal Discount Rate Scenario
Proj00013-3UG-ALT1	0.001502186	0	0.211213037	0.126896184	2.055802951	1.171887748	2.267015988	1.298783932	WACC Discount Rate Scenario
Proj00013-3UG-ALT1	0.001502186	0	0.211213037	0.126896184	2.055802951	1.171887748	2.267015988	1.298783932	Hybrid Discount Rate Scenario
Proj00009-3UG-PAS	0.000788946	0	0.280658615	0.027429741	1.405558119	0.021554211	1.688216734	0.048983952	Societal Discount Rate Scenario
Proj00011-3UG-UGAS	0.001777666	0	0.107479894	0.009612997	3.471680217	0	3.579160111	0.009612997	Hybrid Discount Rate Scenario
Proj00010-3UG-PAS	0.001403083	0	0.203216569	0.029656813	1.320995235	0.094110154	1.524211804	0.123766968	Societal Discount Rate Scenario
Proj00010-3UG-UGAS	0.001403083	0	0.173168883	0.01244461	1.125671029	0	1.298839711	0.01244461	Societal Discount Rate Scenario
Proj00011-3UG-PAS	0.001777666	0	0.208897726	0.110958506	6.214823378	2.743143161	6.423721104	2.854101667	Societal Discount Rate Scenario
Proj00012-3UG-UGAS	0.000447944	0	0.147304355	0.012615427	1.487856691	0	1.635161046	0.012615427	WACC Discount Rate Scenario
Proj00014-3UG-ALT1	0.00427329	0	0.093214105	0.052742571	0.343210187	0.164856961	0.436424292	0.217599532	Hybrid Discount Rate Scenario
Proj00014-3UG-ALT1	0.00427329	0	0.093214105	0.052742571	0.343210187	0.164856961	0.436424292	0.217599532	Societal Discount Rate Scenario
Proj00014-3UG-ALT1	0.00427329	0	0.093214105	0.052742571	0.343210187	0.164856961	0.436424292	0.217599532	WACC Discount Rate Scenario
Proj00012-3UG-PAS	0.000447944	0	0.204327555	0.0470364	1.769069108	0.229119038	1.973396663	0.276155438	Societal Discount Rate Scenario
Proj00012-3UG-UGAS	0.000447944	0	0.147304355	0.012615427	1.487856691	0	1.635161046	0.012615427	Societal Discount Rate Scenario
Proj00013-3UG-PAS	0.001502186	0	0.211213037	0.014598963	2.055802951	0.35702357	2.267015988	0.371620532	Societal Discount Rate Scenario
Proj00012-3UG-UGAS	0.000447944	0	0.147304355	0.012615427	1.487856691	0	1.635161046	0.012615427	Hybrid Discount Rate Scenario
Proj00014-3UG-PAS	0.00427329	0	0.093214105	0.006258638	0.343210187	0.000223214	0.436424292	0.006479852	Societal Discount Rate Scenario
Proj00014-3UG-UGAS	0.00427329	0	0.093214105	0.006287385	0.343210187	0	0.436424292	0.006287385	Societal Discount Rate Scenario
Proj00015-3UG-ALT1	0.000825703	0	2.075247385	1.199333261	3.497412819	2.586653088	5.572660204	3.785986349	WACC Discount Rate Scenario
Proj00015-3UG-ALT1	0.000825703	0	2.075247385	1.199333261	3.497412819	2.586653088	5.572660204	3.785986349	Societal Discount Rate Scenario
Proj00015-3UG-ALT1	0.000825703	0	2.075247385	1.199333261	3.497412819	2.586653088	5.572660204	3.785986349	Hybrid Discount Rate Scenario
Proj00015-3UG-PAS	0.000825703	0	2.075247385	0.30429213	3.497412819	0.183058587	5.572660204	0.487350899	Societal Discount Rate Scenario
Proj00013-3UG-UGAS	0.001502186	0	0.211213037	0.014648065	1.697633705	0	1.908846742	0.014648065	WACC Discount Rate Scenario
Proj00016-3UG-PAS	0.000305602	0	2.025751737	1.085215427	0.126705428	0.057514526	2.152457165	1.142729953	Societal Discount Rate Scenario
Proj00016-3UG-UGAS	0.000305602	0	0.110369499	0.007566197	0.006903321	0	0.11727282	0.007566197	Societal Discount Rate Scenario
Proj00017-3UG-PAS	0.002724139	0	0.208640272	0.072080016	3.084995557	0.77270149	3.293635829	0.844781505	Societal Discount Rate Scenario
Proj00013-3UG-UGAS	0.001502186	0	0.211213037	0.014648065	1.697633705	0	1.908846742	0.014648065	Societal Discount Rate Scenario
Proj00016-3UG-ALT1	0.000305602	0	2.025751737	1.13969475	0.126705428	0.060818605	2.152457165	1.200513355	Societal Discount Rate Scenario
Proj00016-3UG-ALT1	0.000305602	0	2.025751737	1.13969475	0.126705428	0.060818605	2.152457165	1.200513355	Hybrid Discount Rate Scenario
Proj00016-3UG-ALT1	0.000305602	0	2.025751737	1.13969475	0.126705428	0.060818605	2.152457165	1.200513355	WACC Discount Rate Scenario
Proj00018-3UG-PAS	0.001709971	0	0.051234418	0.00835241	1.573232409	0.031774738	1.624466827	0.040127148	Societal Discount Rate Scenario
Proj00013-3UG-UGAS	0.001502186	0	0.211213037	0.014648065	1.697633705	0	1.908846742	0.014648065	Hybrid Discount Rate Scenario
Proj00019-3UG-PAS	0.001798369	0	0.336378677	0.02114283	2.16662363	0.000771185	2.503002307	0.021914015	Societal Discount Rate Scenario
Proj00019-3UG-UGAS	0.001798369	0	0.336378677	0.021314875	2.16662363	0	2.503002307	0.021314875	Societal Discount Rate Scenario
Proj00020-3UG-PAS	0.000146689	0	0.160149556	0.009567803	0.14346501	0	0.303614567	0.009567803	Societal Discount Rate Scenario
Proj00020-3UG-UGAS	0.000146689	0	0.160149556	0.009727057	0.14346501	0	0.303614567	0.009727057	Societal Discount Rate Scenario
Proj00017-3UG-ALT1	0.002724139	0	0.208640272	0.111373399	3.084995557	1.681633648	3.293635829	1.793007047	Societal Discount Rate Scenario
Proj00017-3UG-ALT1	0.002724139	0	0.208640272	0.111373399	3.084995557	1.681633648	3.293635829	1.793007047	WACC Discount Rate Scenario
Proj00017-3UG-ALT1	0.002724139	0	0.208640272	0.111373399	3.084995557	1.681633648	3.293635829	1.793007047	Hybrid Discount Rate Scenario
Proj00021-3UG-PAS	0.000353526	0	1.702365495	0.122053366	0.445987222	0	2.148352717	0.122070441	Societal Discount Rate Scenario
Proj00021-3UG-UGAS	0.000353526	0	1.702365495	0.122053366	0.445987222	0	2.148352717	0.122070441	Societal Discount Rate Scenario
Proj00022-3UG-PAS	0.000152795	0	0.243666742	0.12790985	0.010230824	0.00434352	0.253897566	0.13225337	Societal Discount Rate Scenario
Proj00022-3UG-UGAS	0.000152795	0	0.028294097	0.002478653	0.001187983	0	0.02948208	0.002476653	Societal Discount Rate Scenario
Proj00023-3UG-PAS	0.003312488	0	2.202234688	0.166522442	3.784982853	0.013429578	5.987217541	0.17995202	Societal Discount Rate Scenario
Proj00023-3UG-UGAS	0.003312488	0	2.18471949	0.15798849	3.75487974	0	5.939589969	0.15798849	Societal Discount Rate Scenario
Proj00018-3UG-ALT1	0.001709971	0	0.051234418	0.030963611	1.573232409	1.437172537	1.624466827	1.468136147	Hybrid Discount Rate Scenario
Proj00018-3UG-ALT1	0.001709971	0	0.051234418	0.030963611	1.573232409	1.437172537	1.624466827	1.468136147	Societal Discount Rate Scenario
Proj00018-3UG-ALT1	0.001709971	0	0.051234418	0.030963611	1.573232409	1.437172537	1.624466827	1.468136147	WACC Discount Rate Scenario
Proj00024-3UG-PAS	0.000204173	0	0.029628248	0.001867247	0.076209214	1.00E-05	0.105837462	0.00187727	Societal Discount Rate Scenario
Proj00024-3UG-UGAS	0.000204173	0	0.029628248	0.001858524	0.076209214	0	0.105837462	0.001858524	Societal Discount Rate Scenario
Proj00025-3UG-PAS	0.000269206	0	0.276679714	0.017734386	0.014289247	6.94E-06	0.290968962	0.017741326	Societal Discount Rate Scenario
Proj00025-3UG-UGAS	0.000269206	0	0.276679714	0.017872121	0.014289247	0	0.290968962	0.017872121	Societal Discount Rate Scenario
Proj00026-3UG-PAS	6.89E-05	0	0.113085647	0.006424306	0.021060482	0	0.134146129	0.006436166	Societal Discount Rate Scenario
Proj00026-3UG-UGAS	6.89E-05	0	0.113085647	0.006424306	0.021060482	0	0.134146129	0.006436166	Societal Discount Rate Scenario
Proj00019-3UG-ALT1	0.001798369	0	0.336378677	0.182171776	2.16662363	1.319923534	2.503002307	1.502095309	Hybrid Discount Rate Scenario
Proj00019-3UG-ALT1	0.001798369	0	0.336378677	0.182171776	2.16662363	1.319923534	2.503002307	1.502095309	WACC Discount Rate Scenario
Proj00019-3UG-ALT1	0.001798369	0	0.336378677	0.182171776	2.16662363	1.319923534	2.503002307	1.502095309	Societal Discount Rate Scenario
Proj00027-3UG-PAS	0.000247624	0	0.337261317	0.020995424	2.748995023	0.001563233	3.086256341	0.022558657	Societal Discount Rate Scenario
Proj00027-3UG-UGAS	0.000247624	0	0.337261317	0.020799772	2.748995023	0	3.086256341	0.020799772	Societal Discount Rate Scenario
Proj00028-3UG-PAS	0.000289132	0	0.133159541	0.028220803	2.410964152	0.325107222	2.544123693	0.353328025	Societal Discount Rate Scenario

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

rru_id	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	post_mitigated_outage_program_risk	pre_mitigated_overall_utility_risk	post_mitigated_overall_utility_risk	discount_rate_scenario
Proj00015-3UG-UGAS	0.000825703	0	1.692655536	0.108183536	3.083849249	0	4.776504785	0.108183536	WACC Discount Rate Scenario
Proj00001-3UG-PAS	0.001007015	0	0.144927872	0.009171117	3.484985707	0	3.629913579	0.009171117	Hybrid Discount Rate Scenario
Proj00001-3UG-UGAS	0.001007015	0	0.144927872	0.009171117	3.484985707	0	3.629913579	0.009171117	Hybrid Discount Rate Scenario
Proj00020-3UG-ALT1	0.000146689	0	0.160149556	0.099558969	0.14346501	0.068863205	0.303614567	0.168422174	WACC Discount Rate Scenario
Proj00020-3UG-ALT1	0.000146689	0	0.160149556	0.099558969	0.14346501	0.068863205	0.303614567	0.168422174	Hybrid Discount Rate Scenario
Proj00020-3UG-ALT1	0.000146689	0	0.160149556	0.099558969	0.14346501	0.068863205	0.303614567	0.168422174	Societal Discount Rate Scenario
Proj00002-3UG-PAS	0.005267008	0	0.084876472	0.042233475	1.792060839	0.782347281	1.876937311	0.824580755	Hybrid Discount Rate Scenario
Proj00002-3UG-UGAS	0.005267008	0	0.047846557	0.005224375	1.01022038	0	1.058066937	0.005224375	Hybrid Discount Rate Scenario
Proj00003-3UG-PAS	0.001252914	0	0.227406399	0.035240688	4.886161629	0.322254624	4.913568028	0.357495312	Hybrid Discount Rate Scenario
Proj00003-3UG-UGAS	0.001252914	0	0.211014422	0.01905642	4.348372309	0	4.559386732	0.01905642	Hybrid Discount Rate Scenario
Proj00004-3UG-PAS	0.000119058	0	0.039826272	0.002453746	0.046249038	0.000295198	0.08607531	0.002748944	Hybrid Discount Rate Scenario
Proj00004-3UG-UGAS	0.000119058	0	0.039826272	0.002229891	0.046249038	0	0.08607531	0.002229891	Hybrid Discount Rate Scenario
Proj00021-3UG-ALT1	0.000353526	0	1.702365495	0.963650739	0.445987222	0.332034108	2.148352717	1.295684847	Societal Discount Rate Scenario
Proj00021-3UG-ALT1	0.000353526	0	1.702365495	0.963650739	0.445987222	0.332034108	2.148352717	1.295684847	WACC Discount Rate Scenario
Proj00021-3UG-ALT1	0.000353526	0	1.702365495	0.963650739	0.445987222	0.332034108	2.148352717	1.295684847	Hybrid Discount Rate Scenario
Proj00005-3UG-PAS	0.000303419	0	0.118826243	0.008081014	0.257345778	4.08E-05	0.376172021	0.008121796	Hybrid Discount Rate Scenario
Proj00005-3UG-UGAS	0.000303419	0	0.118826243	0.008178753	0.257345778	0	0.376172021	0.008178753	Hybrid Discount Rate Scenario
Proj00006-3UG-PAS	0.000813814	0	0.089932028	0.025986291	1.15177317	0.327004221	1.241705198	0.352990512	Hybrid Discount Rate Scenario
Proj00015-3UG-UGAS	0.000825703	0	1.692655536	0.108183536	3.083849249	0	4.776504785	0.108183536	Societal Discount Rate Scenario
Proj00007-3UG-PAS	0.000465494	0	0.623535001	0.299977996	0.522887856	0.444511649	1.146422857	0.744489645	Hybrid Discount Rate Scenario
Proj00015-3UG-UGAS	0.000825703	0	1.692655536	0.108183536	3.083849249	0	4.776504785	0.108183536	Hybrid Discount Rate Scenario
Proj00022-3UG-ALT1	0.000152795	0	0.243666742	0.141934999	0.010230824	0.004913752	0.253897566	0.14684875	Hybrid Discount Rate Scenario
Proj00022-3UG-ALT1	0.000152795	0	0.243666742	0.141934999	0.010230824	0.004913752	0.253897566	0.14684875	WACC Discount Rate Scenario
Proj00022-3UG-ALT1	0.000152795	0	0.243666742	0.141934999	0.010230824	0.004913752	0.253897566	0.14684875	Societal Discount Rate Scenario
Proj00008-3UG-PAS	0.000698799	0	1.736828409	0.671386733	2.662774219	1.12506962	4.399602627	1.796456354	Hybrid Discount Rate Scenario
Proj00017-3UG-UGAS	0.002724139	0	0.084293985	0.005773976	1.476083937	0	1.560377922	0.005773976	WACC Discount Rate Scenario
Proj00009-3UG-PAS	0.000788946	0	0.280658615	0.027429741	1.405558119	0.021554211	1.686216734	0.048983952	Hybrid Discount Rate Scenario
Proj00017-3UG-UGAS	0.002724139	0	0.084293985	0.005773976	1.476083937	0	1.560377922	0.005773976	Societal Discount Rate Scenario
Proj00010-3UG-PAS	0.001403083	0	0.203216569	0.029656813	1.320995235	0.094110154	1.524211804	0.123766968	Hybrid Discount Rate Scenario
Proj00010-3UG-UGAS	0.001403083	0	0.173168683	0.012444461	1.125671029	0	1.298839711	0.012444461	Hybrid Discount Rate Scenario
Proj00023-3UG-ALT1	0.003312488	0	2.202234688	1.320360898	3.784982853	1.987744462	5.987217541	3.308105359	Hybrid Discount Rate Scenario
Proj00023-3UG-ALT1	0.003312488	0	2.202234688	1.320360898	3.784982853	1.987744462	5.987217541	3.308105359	WACC Discount Rate Scenario
Proj00023-3UG-ALT1	0.003312488	0	2.202234688	1.320360898	3.784982853	1.987744462	5.987217541	3.308105359	Societal Discount Rate Scenario
Proj00011-3UG-PAS	0.001777666	0	0.208997726	0.110958506	6.214823378	2.743143161	6.423721104	2.854101667	Hybrid Discount Rate Scenario
Proj00017-3UG-UGAS	0.002724139	0	0.084293985	0.005773976	1.476083937	0	1.560377922	0.005773976	Hybrid Discount Rate Scenario
Proj00012-3UG-PAS	0.000447944	0	0.204327555	0.0470364	1.769069108	0.229119038	1.973396663	0.276155438	Hybrid Discount Rate Scenario
Proj00018-3UG-UGAS	0.001709971	0	0.04569341	0.00286471	1.541457671	0	1.587151081	0.00286471	WACC Discount Rate Scenario
Proj00013-3UG-PAS	0.001502186	0	0.211219037	0.014596963	2.055802951	0.35702357	2.267015988	0.371620532	Hybrid Discount Rate Scenario
Proj00018-3UG-UGAS	0.001709971	0	0.04569341	0.00286471	1.541457671	0	1.587151081	0.00286471	Societal Discount Rate Scenario
Proj00024-3UG-ALT1	0.000204173	0	0.029628248	0.017685399	0.076209214	0.072139479	0.105837462	0.089824878	Hybrid Discount Rate Scenario
Proj00024-3UG-ALT1	0.000204173	0	0.029628248	0.017685399	0.076209214	0.072139479	0.105837462	0.089824878	WACC Discount Rate Scenario
Proj00024-3UG-ALT1	0.000204173	0	0.029628248	0.017685399	0.076209214	0.072139479	0.105837462	0.089824878	Societal Discount Rate Scenario
Proj00014-3UG-PAS	0.00427329	0	0.093214105	0.006256638	0.343210187	0.000223214	0.436424292	0.006479852	Hybrid Discount Rate Scenario
Proj00014-3UG-UGAS	0.00427329	0	0.093214105	0.006287385	0.343210187	0	0.436424292	0.006287385	Hybrid Discount Rate Scenario
Proj00015-3UG-PAS	0.000825703	0	2.075247385	0.304292313	3.497412819	0.183058587	5.572660204	0.487350899	Hybrid Discount Rate Scenario
Proj00018-3UG-UGAS	0.001709971	0	0.04569341	0.00286471	1.541457671	0	1.587151081	0.00286471	Hybrid Discount Rate Scenario
Proj00016-3UG-PAS	0.000305602	0	2.025751737	1.085215427	0.126705428	0.057514526	2.152457165	1.142729953	Hybrid Discount Rate Scenario
Proj00016-3UG-UGAS	0.000305602	0	0.110369499	0.007566197	0.006903321	0	0.11727282	0.007566197	Hybrid Discount Rate Scenario
Proj00025-3UG-ALT1	0.000269206	0	0.276679714	0.149099622	0.014289247	0.006862447	0.290968962	0.155962069	Societal Discount Rate Scenario
Proj00025-3UG-ALT1	0.000269206	0	0.276679714	0.149099622	0.014289247	0.006862447	0.290968962	0.155962069	WACC Discount Rate Scenario
Proj00025-3UG-ALT1	0.000269206	0	0.276679714	0.149099622	0.014289247	0.006862447	0.290968962	0.155962069	Hybrid Discount Rate Scenario
Proj00017-3UG-PAS	0.002724139	0	0.208640272	0.072080016	3.084995557	0.77270149	3.293635829	0.844781505	Hybrid Discount Rate Scenario
Proj00028-3UG-UGAS	0.000289132	0	0.105736009	0.007821956	2.072702547	0	2.178438557	0.007821956	WACC Discount Rate Scenario
Proj00018-3UG-PAS	0.001709971	0	0.051234418	0.00835241	1.573232409	0.031774738	1.624466827	0.040127148	Hybrid Discount Rate Scenario
Proj00028-3UG-UGAS	0.000289132	0	0.105736009	0.007821956	2.072702547	0	2.178438557	0.007821956	Societal Discount Rate Scenario
Proj00019-3UG-PAS	0.001798369	0	0.336378677	0.02114283	2.16662363	0.000771185	2.503002307	0.021914015	Hybrid Discount Rate Scenario
Proj00019-3UG-UGAS	0.001798369	0	0.336378677	0.021314875	2.16662363	0	2.503002307	0.021314875	Hybrid Discount Rate Scenario
Proj00026-3UG-ALT1	6.89E-05	0	0.113085647	0.070850979	0.021060482	0.010115198	0.134146129	0.080966177	WACC Discount Rate Scenario
Proj00026-3UG-ALT1	6.89E-05	0	0.113085647	0.070850979	0.021060482	0.010115198	0.134146129	0.080966177	Societal Discount Rate Scenario
Proj00026-3UG-ALT1	6.89E-05	0	0.113085647	0.070850979	0.021060482	0.010115198	0.134146129	0.080966177	Hybrid Discount Rate Scenario
Proj00020-3UG-PAS	0.000146689	0	0.160149556	0.009567803	0.14346501	0	0.303614567	0.009567803	Hybrid Discount Rate Scenario
Proj00020-3UG-UGAS	0.000146689	0	0.160149556	0.009727057	0.14346501	0	0.303614567	0.009727057	Hybrid Discount Rate Scenario
Proj00021-3UG-PAS	0.000353526	0	1.702365495	0.122053366	0.445987222	0	2.148352717	0.122070441	Hybrid Discount Rate Scenario
Proj00021-3UG-UGAS	0.000353526	0	1.702365495	0.122053366	0.445987222	0	2.148352717	0.122070441	Hybrid Discount Rate Scenario
Proj00022-3UG-PAS	0.000152795	0	0.243666742	0.12790985	0.010230824	0.00434352	0.253897566	0.13225337	Hybrid Discount Rate Scenario
Proj00022-3UG-UGAS	0.000152795	0	0.028294097	0.002476653	0.001187983	0	0.02948208	0.002476853	Hybrid Discount Rate Scenario
Proj00027-3UG-ALT1	0.000247624	0	0.337261317	0.188254327	2.748995023	2.23063616	3.086256341	2.418890487	Hybrid Discount Rate Scenario
Proj00027-3UG-ALT1	0.000247624	0	0.337261317	0.188254327	2.748995023	2.23063616	3.086256341	2.418890487	WACC Discount Rate Scenario
Proj00027-3UG-ALT1	0.000247624	0	0.337261317	0.188254327	2.748995023	2.23063616	3.086256341	2.418890487	Societal Discount Rate Scenario
Proj00023-3UG-PAS	0.003312488	0	2.202234688	0.166522442	3.784982853	0.013429578	5.987217541	0.17995202	Hybrid Discount Rate Scenario
Proj00023-3UG-UGAS	0.003312488	0	2.184719495	0.15798849	3.754879474	0	5.939598969	0.15798849	Hybrid Discount Rate Scenario
Proj00024-3UG-PAS	0.000204173	0	0.029628248	0.001867247	0.076209214	1.00E-05	0.105837462	0.00187727	Hybrid Discount Rate Scenario
Proj00024-3UG-UGAS	0.000204173	0	0.029628248	0.001858524	0.076209214	0	0.105837462	0.001858524	Hybrid Discount Rate Scenario
Proj00025-3UG-PAS	0.000269206	0	0.276679714	0.017734386	0.014289247	6.94E-06	0.290968962	0.017741326	Hybrid Discount Rate Scenario
Proj00025-3UG-UGAS	0.000269206	0	0.276679714	0.017872121	0.014289247	0	0.290968962	0.017872121	Hybrid Discount Rate Scenario
Proj00028-3UG-ALT1	0.000289132	0	0.133159541	0.092341386	2.410964152	2.334494138	2.544123693	2.426835524	Societal Discount Rate Scenario
Proj00028-3UG-ALT1	0.000289132	0	0.133159541	0.092341386	2.410964152	2.334494138	2.544123693	2.426835524	WACC Discount Rate Scenario
Proj00028-3UG-ALT1	0.000289132	0	0.133159541	0.092341386	2.410964152	2.334494138	2.544123693	2.426835524	Hybrid Discount Rate Scenario
Proj00026-3UG-PAS	6.89E-05	0	0.113085647	0.006424306	0.021060482	0	0.134146129	0.006436166	Hybrid Discount Rate Scenario
Proj00026-3UG-UGAS	6.89E-05	0	0.113085647	0.006424306	0.021060482	0	0.134146129	0.006436166	Hybrid Discount Rate Scenario
Proj00027-3UG-PAS	0.000247624	0	0.337261317	0.020995424	2.748995023	0.001563233	3.086256341	0.022558657	Hybrid Discount Rate Scenario
Proj00027-3UG-UGAS	0.000247624	0	0.337261317	0.020799772	2.748995023	0	3.086256341	0.020799772	Hybrid Discount Rate Scenario
Proj00028-3UG-PAS	0.000289132	0	0.133159541	0.028220803	2.410964152	0.325107222	2.544123693	0.353328025	Hybrid Discount Rate Scenario
Proj00028-3UG-UGAS	0.000289132	0	0.105736009	0.007821956	2.072702547	0	2.178438557	0.007821956	Hybrid Discount Rate Scenario

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

rru_id	ignition_risk_mitigation_benefit	outage_program_risk_mitigation_benefit	total_om_costs_nbb	total_om_costs_nbb_pv	incremental_om_costs	incremental_om_savings	incremental_om_cost_pv	incremental_om_savings_pv	total_mitigation_benefit_scaled	total_mitigation_benefit_unscaled	average_unit_cost_per_mile	total_capex
Proj00001-3UG-ALT1	0.065433382	0.156819062	1.189380319	61.13991176	0.008392938	0	0.429586934	0	29.55236788	18.40570717	0.946685807	2.88739171
Proj00001-3UG-ALT1	0.065433382	0.156819062	1.189380319	23.89320317	0.008392938	0	0.168441916	-1.08E-16	11.9102993	7.672032496	0.946685807	2.88739171
Proj00001-3UG-ALT1	0.065433382	0.156819062	1.189380319	23.89320317	0.008392938	0	0.168441916	-1.08E-16	10.9176706	6.736248338	0.946685807	2.88739171
Proj00001-3UG-PAS	0.135756755	3.484985707	1.189380319	24.70765818	0.001263181	-1.083283707	0.026240755	-22.47519752	116.294484	78.63507015	3.062763727	11.11783233
Proj00001-3UG-UGAS	0.135756755	3.484985707	1.189380319	23.99856682	0.001263181	-1.083283707	0.026240755	-22.47519752	116.294484	78.63507015	3.062763727	11.11783233
Proj00002-3UG-PAS	0.042642997	1.009713558	0.538855935	6.30708889	0.001014738	-0.269423569	0.02107972	-5.566937503	45.672686	42.77912879	3.059524	7.83238144
Proj00002-3UG-UGAS	0.042622183	1.01022038	0.538855935	6.30708889	0.001014738	-0.269423569	0.02107972	-5.566937503	45.672686	42.77912879	3.059524	7.83238144
Proj00003-3UG-PAS	0.192165711	4.363907006	1.539063464	29.66721814	0.004008776	-1.339983309	0.083276538	-27.74553163	153.4120952	119.9967826	3.059524	35.24571648
Proj00003-3UG-UGAS	0.191958002	4.348372309	1.539063464	29.66721814	0.004008776	-1.339983309	0.083276538	-27.74553163	153.4120952	119.9967826	3.059524	35.24571648
Proj00002-3UG-ALT1	0.019855861	0.52505105	0.538855935	6.093323926	0.007072083	0	0.141933041	0	25.98170853	24.68614984	0.904287	2.32401759
Proj00002-3UG-ALT1	0.019855861	0.52505105	0.538855935	6.093323926	0.007072083	0	0.141933041	0	29.82970119	28.51651597	0.904287	2.32401759
Proj00002-3UG-ALT1	0.019855861	0.52505105	0.538855935	15.54022102	0.007072083	0	0.361981537	0	69.84769208	66.41031041	0.904287	2.32401759
Proj00004-3UG-PAS	0.037372626	0.04595384	0.054302871	1.120610347	0.000167032	-0.048039455	0.003469839	-0.996677698	4.059124221	1.709624314	2.467274	1.18429152
Proj00004-3UG-UGAS	0.037596381	0.046249038	0.054302871	1.120610347	0.000167032	-0.048039455	0.003469839	-0.996677698	4.059124221	1.709624314	2.467274	1.18429152
Proj00005-3UG-PAS	0.110745229	0.257304996	1.287588531	26.74359402	0.002293214	-1.227385609	0.047638201	-25.4754709	17.40585477	8.385012218	2.467274	16.25933566
Proj00005-3UG-UGAS	0.11064749	0.257345778	1.287588531	26.74359402	0.002293214	-1.227385609	0.047638201	-25.4754709	17.40585477	8.385012218	2.467274	16.25933566
Proj00006-3UG-PAS	0.063945737	0.824768949	0.142853329	2.915497949	0.001687792	-0.054112727	0.034015221	-1.120098365	29.76012295	23.06275483	2.387232143	2.6737
Proj00006-3UG-UGAS	0.034497034	0.506611063	0.142853329	1.251185593	0.00020183	-0.054112727	0.004192735	-1.120098365	17.18199526	12.96796612	3.06	1.7748
Proj00003-3UG-ALT1	0.090101556	1.054028581	1.539063464	72.92320828	0.022977413	0	1.176089049	0	119.6004652	105.0689881	0.904287	7.55079645
Proj00003-3UG-ALT1	0.090101556	1.054028581	1.539063464	28.59320528	0.022977413	0	0.461144776	-4.11E-16	49.00720135	43.37964831	0.904287	7.55079645
Proj00003-3UG-ALT1	0.090101556	1.054028581	1.539063464	28.59320528	0.022977413	0	0.461144776	-4.11E-16	42.9490696	37.39536344	0.904287	7.55079645
Proj00007-3UG-PAS	0.323557005	0.078376207	0.57843645	11.66650866	0.019717407	-0.062669885	0.395980301	-1.300370631	34.02602204	10.51380734	1.18867284	9.62825
Proj00006-3UG-UGAS	0.034497034	0.506611063	0.142853329	3.566780622	0.00020183	-0.054112727	0.011952317	-3.15870958	51.044252	38.58120525	3.06	1.7748
Proj00008-3UG-PAS	1.965441675	1.537704599	0.94984221	17.4807562	0.032457426	-0.27259211	0.655059912	131.9634516	56.40769925	2.202406505	2.467274	54.65602104
Proj00006-3UG-UGAS	0.034497034	0.506611063	0.142853329	1.251185593	0.00020183	-0.054112727	0.004192735	-1.120098365	19.63197458	15.05391974	3.06	1.7748
Proj00009-3UG-PAS	0.253228674	1.384003908	1.315205475	27.25550698	0.004288801	-1.060606058	0.088223189	-22.01608591	72.52615522	50.47135395	2.945342584	26.94988464
Proj00007-3UG-UGAS	0.083385757	0.058611615	0.57843645	1.699154252	0.000372343	-0.062669885	0.00773489	-1.300370631	10.21519789	3.568459433	3.059	3.27313
Proj00004-3UG-ALT1	0.015836736	0.023079115	0.054302871	1.082629714	0.001183262	0	0.023747458	-6.89E-18	1.721858077	0.768572453	0.600573	0.25824639
Proj00004-3UG-ALT1	0.015836736	0.023079115	0.054302871	1.082629714	0.001183262	0	0.023747458	-6.89E-18	1.816466945	0.850711492	0.600573	0.25824639
Proj00004-3UG-ALT1	0.015836736	0.023079115	0.054302871	2.761104653	0.001183262	0	0.060564765	0	4.411693547	1.950765206	0.600573	0.25824639
Proj00010-3UG-PAS	0.173559756	1.22688508	0.60340918	12.47188852	0.005916783	-0.38623114	0.120066174	-7.997592181	66.07509396	2.781428903	2.781428903	25.00504584
Proj00010-3UG-UGAS	0.160724222	1.125671029	0.60340918	10.67450958	0.002724713	-0.38623114	0.056601987	-7.997592181	71.36508094	60.63694384	3.059524	23.95607292
Proj00011-3UG-PAS	0.09793922	3.471680217	1.858745724	19.86097917	0.002084424	-0.905170076	0.043300897	-18.7634621	144.1629609	115.1884237	3.059	18.32341
Proj00007-3UG-UGAS	0.083385757	0.058611615	0.57843645	4.843814135	0.000372343	-0.062669885	0.022050011	-3.694101976	32.4470807	11.17655107	3.059	3.27313
Proj00012-3UG-PAS	0.157281155	1.53995007	0.701238126	14.41523683	0.005607944	-0.464368242	0.113981376	-9.632702788	69.38650333	47.48609445	2.659368189	18.05711
Proj00007-3UG-UGAS	0.083385757	0.058611615	0.57843645	1.699154252	0.000372343	-0.062669885	0.00773489	-1.300370631	10.79478867	3.965788292	3.059	3.27313
Proj00005-3UG-ALT1	0.046425892	0.017620736	1.287588531	25.83717848	0.015602618	0	0.313136456	-3.47E-18	4.800034641	1.937415748	1.036335	5.87601945
Proj00005-3UG-ALT1	0.046425892	0.017620736	1.287588531	65.89432451	0.015602618	0	0.79861313	0	11.95533684	4.589913792	1.036335	5.87601945
Proj00005-3UG-ALT1	0.046425892	0.017620736	1.287588531	25.83717848	0.015602618	0	0.313136456	-3.47E-18	4.586737373	1.761478812	1.036335	5.87601945
Proj00013-3UG-PAS	0.196616074	1.698779381	0.945024686	19.63066052	0.003691789	-0.796253489	0.076672209	-16.48566843	94.25720043	82.04571151	2.967778073	31.28038089
Proj00008-3UG-UGAS	0.666867129	1.416233603	0.94984221	8.160038069	0.005187225	-0.272593211	0.107757102	-5.644961677	95.53408497	43.9562846	3.059524	45.60679451
Proj00014-3UG-PAS	0.666657467	0.342986973	0.222922853	4.627888521	0.000438461	-0.19241766	0.009108391	-3.989486411	15.44609565	9.76491583	3.059524	3.85500024
Proj00014-3UG-UGAS	0.08692672	0.343210187	0.222922853	4.627888521	0.000438461	-0.19241766	0.009108391	-3.989486411	15.44609565	9.76491583	3.059524	3.85500024
Proj00015-3UG-PAS	1.770955072	3.314354232	1.57894037	32.61740358	0.018598251	-1.040398518	0.379066964	-21.54412354	255.9771393	126.4088926	2.78833051	76.6021311
Proj00008-3UG-UGAS	0.666867129	1.416233603	0.94984221	23.26198913	0.005187225	-0.272593211	0.307185367	-15.94008225	265.0076311	121.8002013	3.059524	45.60679451
Proj00006-3UG-ALT1	0.037429957	0.34744092	0.142853329	2.85922819	0.003384691	0	0.067928995	0	14.27553708	11.88730635	1.049	1.29027
Proj00006-3UG-ALT1	0.037429957	0.34744092	0.142853329	2.85922819	0.003384691	0	0.067928995	0	12.73707054	10.38026366	1.049	1.29027
Proj00006-3UG-ALT1	0.037429957	0.34744092	0.142853329	7.292085332	0.003384691	0	0.173243959	0	33.5746751	27.38609615	1.049	1.29027
Proj00016-3UG-PAS	0.94053631	0.069190902	1.65289579	33.23598467	0.067605659	-0.071431353	1.357329641	-1.477890697	88.19964884	24.47951093	1.057526328	27.66488874
Proj00016-3UG-UGAS	0.102803302	0.006903121	1.65289579	1.865389091	0.000727271	-0.071431353	0.015315747	-1.477890697	9.928085428	2.715233185	3.059524	5.69071464
Proj00017-3UG-PAS	0.136560256	2.312294067	1.009765881	20.54659316	0.013189169	-0.337362116	0.265616107	-6.992088167	144.7496643	132.7496464	1.981679901	15.97234
Proj00008-3UG-UGAS	0.666867129	1.416233603	0.94984221	8.160038069	0.005187225	-0.272593211	0.107757102	-5.644961677	103.2671201	49.44231317	3.059524	45.60679451
Proj00018-3UG-PAS	0.042882009	0.376153948	6.968964012	0.00085604	-0.270875045	0.017782996	-5.621088853	56.80169086	41.83884134	3.069976705	7.552142955
Proj00009-3UG-UGAS	0.242653635	1.348415086	1.315205475	25.30112378	0.00302398	-1.060606058	0.062818818	-22.01608591	70.0515368	48.67903069	3.059524	26.58726356
Proj00007-3UG-ALT1	0.279808268	0.023019705	0.57843645	29.60702201	0.022537137	0	1.15355371	0	77.44182618	22.51839993	0.904	7.40376
Proj00007-3UG-ALT1	0.279808268	0.023019705	0.57843645	11.60891955	0.022537137	0	0.452308665	-1.74E-18	27.73232802	8.089206196	0.904	7.40376
Proj00007-3UG-ALT1	0.279808268	0.023019705	0.57843645	11.60891955	0.022537137	0	0.452308665	-1.74E-18	28.66159584	8.735133648	0.904	7.40376
Proj00019-3UG-PAS	0.315235847	2.165852445	1.301033912	27.01430587	0.003904381	-1.094884654	0.081107875	-22.70525552	122.3187897	97.39515709	3.74	41.9628
Proj00019-3UG-UGAS	0.315063802	2.16662363	1.301033912	27.01430587	0.003904381	-1.094884654	0.081107875	-22.70525552	122.3187897	97.39515709	3.74	41.9628
Proj00020-3UG-PAS	0.150581754	0.14346501	1.039412457	21.59229244	0.001910434	-0.945377913	0.0396865	-19.61804878	18.38476524	9.055013711	3.059	16.79391
Proj00020-3UG-UGAS	0.150422499	0.14346501	1.039412457	21.59229244	0.001910434	-0.945377913	0.0396865	-19.61804878	18.38476524	9.055013711	3.059	16.79391
Proj00021-3UG-PAS	1.580312129	0.445987222	1.624893777	33.75217326	0.008142826	-1.377513335	0.169155443	-28.53093661	149.3402667	46.0518379	2.469675513	57.790407
Proj00021-3UG-UGAS	1.580312129	0.445987222	1.624893777	33.50079163	0.008142826	-1.377513335	0.169155443	-28.53093661	149.3402667	46.0518379	2.469675513	57.790407
Proj00008-3UG-ALT1	0.718472363	0.102193294	0.94984221	17.20413716	0.051375848	0	1.031086659	0	62.30894867	20.18049951	0.908986844	16.97078065
Proj00008-3UG-ALT1	0.718472363	0.102193294	0.94984221	43.99675273	0.051375848	0	2.629650798	0	158.2652046	51.99769235	0.908986844	16.97078065
Proj00008-3UG-ALT1	0.718472363	0.102193294	0.94984221	17.20413716	0.051375848	0	1.031086659	0	64.56391791	21.90013309	0.908986844	16.97078065
Proj00022-3UG-PAS	0.115756892	0.005887304	0.153889016	3.099337761	0.005958739	-0.014098027	0.119657405	-0.29071533	9.954133805	2.757541376	0.987735776	2.38044322
Proj00022-3UG-UGAS	0.025817444	0.001187983	0.153889016	0.371208609	9.74E-05	-0.014098027	0.002024082	-0.29071533	2.220878415	0.617056824	0.538937	0.71090236
Proj00023-3UG-PAS	2.035712246	3.771553276	3.346426923	69.49811276	0.012173024	-3.060442671	0.252489504	-63.44475067	311.4856088	177.6725824	3.045321429	102.3228
Proj00023-3UG-UGAS	2.026731004	3.754879474	3.346426923	68.95444164	0.011622667	-3.060442671	0.241444121	-63.44475067	310.3567481	176.9840491	3.059	102.1706
Proj00024-3UG-PAS	0.027761001	0.07619919	0.244700239	5.076792153	0.000428021	-0.218223379	0.008891509	-4.532378125	5.441874881	2.787145882	2.549712	3.13614576
Proj00024-3UG-UGAS	0.027769724	0.076209214	0.244700239	5.076792153	0.000428021	-0.218223379	0.008891509	-4.532378125	5.441874881	2.787145882	2.549712	3.13614576
Proj00009-3UG-ALT1	0.122882201	0.358344573	1.315205475	26.3979808	0.019234975	0	0.386035988	0	27.58591723	20.2033786	0.906038519	6.33320925
Proj00009-3UG-ALT1	0.122882201	0.358344573	1.315205475	26.3979808	0.019234975	0	0.386035988	0	30.84684607	23.36656955	0.906038519	6.33320925
Proj00009-3UG-ALT1	0.122882201	0.358344573	1.315205475	67.39440171	0.019234975	0	0.984533972	0	77.14474169	57.82756808	0.906038519	6.33320925
Proj00025-3UG-PAS	0.258945328	0.014282307	0.534510718	11.09829526	0.001245784	-0.465820254	0.025879364	-9.671449096	8.369801423	3.740208	13.38994464	
Proj00025-3UG-UGAS	0.258807593	0.014289247	0.534510718	11.09829526	0.001245784	-0.465820254	0.025879364	-9.671449096	24.45394237	8.369801423	3.740208	13.38994464
Proj00026-3UG-PAS	0.10666134	0.021060482	0.716454763	14.87493195	0.001144867	-0.631718824	0.023782954	-13.11171126	10.10595087	3.288293917	3.070367781	10.10151
Proj00026-3UG-UGAS	0.10666134	0.021060482	0.716454763	14.43614339	0.001144867	-0.631718824	0.023782954	-13.11171126	10.10595087	3.288293917	3.070367781	10.10151
Proj00027-3UG-PAS	0.316265893	2.74743179	0.232453808	4.821331379	0.000455858	-0.213161893	0.009469797	-4.38987666	105.6505656	68.68670704	2.467274	3.23212894
Proj00027-3UG-UGAS	0.316461546	2.748995023	0.232453808	4.821331379	0.000455858	-0.213161893	0.009469797	-4.38987666	105.6505656	68.68670704	2.467274	3.23212894
Proj00010-3UG-ALT1	0.086052865	0.686917522	0.60340918	12.11010939	0.021518953	0	0.43187424	0	42.13844069	36.6401459	0.960487	7.51100834
Proj00010-3UG-ALT1	0.086052865	0.686917522	0.60340918	30.88524078	0.021518953	0	1.101438401	0	124.7176707	114.0123832	0.960487	7.51100834
Proj00010-3UG-ALT1	0.086052865	0.686917522	0.60340918	12.11010939	0.021518953	0	0.43187424	0	48.85274889	43.27935121	0.960487	7.51100834

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

rru_id	ignition_risk_mitigation_benefit	outage_program_risk_mitigation_benefit	total_om_costs_nbb	total_om_costs_nbb_pv	incremental_om_costs	incremental_om_savings	incremental_om_cost_pv	incremental_om_savings_pv	total_mitigation_benefit_scaled	total_mitigation_benefit_unscaled	average_unit_cost_per_mile	total_capex
Proj00028-3UG-PAS	0.104938738	2.08585693	0.751962415	14.87838029	0.002515677	-0.565926343	0.051193949	-11.74377676	83.90060194	58.77367471	2.736696793	9.38687
Proj00009-3UG-UGAS	0.242653635	1.348415086	1.315205475	72.12643634	0.00302398	-1.060606058	0.179078898	-62.620671	218.1343199	155.4314338	3.059524	26.58726356
Proj00001-3UG-PAS	0.135756755	3.484985707	1.189380319	70.4346317	0.001263181	-1.083283707	0.07480506	-63.826871	335.308101	226.7907917	3.062763727	11.11783233
Proj00001-3UG-UGAS	0.135756755	3.484985707	1.189380319	68.4132103	0.001263181	-1.083283707	0.07480506	-63.826871	335.308101	226.7907917	3.062763727	11.11783233
Proj00002-3UG-PAS	0.042642997	1.009713558	0.538855935	17.97974862	0.001014738	-0.269423569	0.060092391	-15.61338313	139.5718604	130.9201802	3.059524	7.83238144
Proj00002-3UG-UGAS	0.042622183	1.01022038	0.538855935	17.97974862	0.001014738	-0.269423569	0.060092391	-15.61338313	139.571 8604	130.9201802	3.059524	7.83238144
Proj00011-3UG-ALT1	0.045708807	0.518740838	1.858745724	48.93604821	0.013236087	0	0.677483457	0	110.8362187	103.3786324	1.049	5.04569
Proj00011-3UG-ALT1	0.045708807	0.518740838	1.858745724	19.18783478	0.013236087	0	0.265641413	0	40.7899561	37.95488696	1.049	5.04569
Proj00011-3UG-ALT1	0.045708807	0.518740838	1.858745724	19.18783478	0.013236087	0	0.265641413	0	46.76928524	43.89327369	1.049	5.04569
Proj00003-3UG-PAS	0.192165711	4.363907006	1.539063464	84.57295176	0.004008776	-1.339983309	0.237398142	-78.3183448	470.3144976	372.7928009	3.059524	35.24571648
Proj00003-3UG-UGAS	0.191958002	4.348372309	1.539063464	84.57295176	0.004008776	-1.339983309	0.237398142	-78.3183448	470.3144976	372.7928009	3.059524	35.24571648
Proj00004-3UG-PAS	0.037372526	0.84595384	0.054302871	3.194547073	0.000167032	-0.048039455	0.00989154	-2.830354075	11.71825363	4.877776087	2.467274	1.18429152
Proj00004-3UG-UGAS	0.037596381	0.846249038	0.054302871	3.19547073	0.000167032	-0.048039455	0.00989154	-2.830354075	11.71825363	4.877776087	2.467274	1.18429152
Proj00005-3UG-PAS	0.110745229	0.257304996	1.287588531	76.23851608	0.002293214	-1.227385609	0.135803201	-72.43772551	50.97751052	24.45917037	2.467274	16.25933566
Proj00005-3UG-UGAS	0.11064749	0.257345778	1.287588531	76.23851608	0.002293214	-1.227385609	0.135803201	-72.43772551	50.97751052	24.45917037	2.467274	16.25933566
Proj00012-3UG-ALT1	0.080691542	0.18715029	0.701238126	14.05931028	0.013346162	0	0.267850565	-5.55E-17	18.80541571	13.68854064	1.049	5.08765
Proj00012-3UG-ALT1	0.080691542	0.18715029	0.701238126	14.05931028	0.013346162	0	0.267850565	-5.55E-17	20.8146397	15.62779541	1.049	5.08765
Proj00012-3UG-ALT1	0.080691542	0.18715029	0.701238126	35.85642119	0.013346162	0	0.683117608	0	50.02263236	36.32072248	1.049	5.08765
Proj00006-3UG-PAS	0.063945737	0.824768949	0.142853329	7.934246835	0.001687792	-0.054112727	0.08801064	-3.15870958	86.47934084	67.01325873	2.387232143	2.6737
Proj00009-3UG-UGAS	0.242653635	1.348415086	1.315205475	25.30112378	0.00302398	-1.060606058	0.062818818	-22.01608591	79.49555797	56.91925601	3.059524	26.58726356
Proj00007-3UG-PAS	0.323557005	0.078376207	0.57843645	30.26424022	0.019717407	-0.062669885	1.012218824	-3.694101976	98.93820628	30.51072527	1.18867284	9.62825
Proj00011-3UG-UGAS	0.097866897	3.471680217	1.858745724	19.86097917	0.002084424	-0.905170076	0.043300897	-18.7634621	144.1629609	115.1884237	3.059	18.32341
Proj00008-3UG-PAS	1.065441675	1.537704599	0.94984221	47.1535833	0.032457426	-0.272593211	1.70299896	-15.94008225	358.1041035	154.1871587	2.202406505	54.65602104
Proj00011-3UG-UGAS	0.097866897	3.471680217	1.858745724	56.6181037	0.002084424	-0.905170076	0.123438759	-53.14573615	435.2338844	350.1804898	3.059	18.32341
Proj00013-3UG-ALT1	0.084316853	0.883915203	0.945024686	48.37068427	0.021243782	0	1.087353885	0	141.7866538	128.7760929	1.225497	9.46083684
Proj00013-3UG-ALT1	0.084316853	0.883915203	0.945024686	18.96615546	0.021243782	0	0.426351699	0	47.48690358	42.4499565	1.225497	9.46083684
Proj00013-3UG-ALT1	0.084316853	0.883915203	0.945024686	18.96615546	0.021243782	0	0.426351699	0	55.05848307	49.95572154	1.225497	9.46083684
Proj00009-3UG-PAS	0.253228874	1.384003908	1.315205475	77.18065823	0.004288601	-1.060606058	0.243869402	-62.620671	225.2552082	160.7047042	2.945342584	26.94988464
Proj00011-3UG-UGAS	0.097866897	3.471680217	1.858745724	19.86097917	0.002084424	-0.905170076	0.043300897	-18.7634621	167.4656272	134.6899672	3.059	18.32341
Proj00010-3UG-PAS	0.173559756	1.22688508	0.60340918	35.01404904	0.005916783	-0.38623114	0.324741174	-22.57799678	275.8431232	240.9873274	2.781428903	25.00504584
Proj00010-3UG-UGAS	0.160724222	1.125671029	0.60340918	30.43300493	0.002724713	-0.38623114	0.161139449	-22.57799678	256.7387774	224.0655493	3.059524	23.95697232
Proj00011-3UG-PAS	0.09793922	3.471680217	1.858745724	56.618 1037	0.002084424	-0.905170076	0.123438759	-53.14573615	435.2338844	350.1804898	3.059	18.32341
Proj00012-3UG-UGAS	0.134688928	1.487856691	0.701238126	10.50183056	0.001893033	-0.464366242	0.039325033	-9.632702768	64.13200618	43.67588211	3.059	16.64096
Proj00014-3UG-ALT1	0.040471533	0.178353226	0.222922853	4.471036376	0.003467258	0	0.069586069	0	8.113632246	5.54151438	0.904287	1.13940162
Proj00014-3UG-ALT1	0.040471533	0.178353226	0.222922853	11.40272506	0.003467258	0	0.17747011	0	19.51516887	12.79846363	0.904287	1.13940162
Proj00014-3UG-ALT1	0.040471533	0.178353226	0.222922853	4.471036376	0.003467258	0	0.069586069	0	7.422200545	4.886998343	0.904287	1.13940162
Proj00012-3UG-PAS	0.157291155	1.53995007	0.701238126	39.9184387	0.005607944	-0.464366242	0.302250819	-27.34169243	206.8307011	141.2970319	2.659368189	18.05711
Proj00012-3UG-UGAS	0.134688928	1.487856691	0.701238126	29.93778538	0.001893033	-0.464366242	0.112104681	-27.34169243	192.9068756	131.18714	3.059	16.64096
Proj00013-3UG-PAS	0.196616074	1.698773381	0.945024686	55.9541461	0.003691789	-0.796253489	0.218405168	-46.52212776	329.8495354	294.1871031	2.967778073	31.28038089
Proj00012-3UG-UGAS	0.134688928	1.487856691	0.701238126	10.50183056	0.001893033	-0.464366242	0.039325033	-9.632702768	73.25675436	50.730303	3.059	16.64096
Proj00014-3UG-PAS	0.086957467	0.342986973	0.222922853	13.19281743	0.000438461	-0.19241766	0.025965478	-11.30687926	46.059725	28.93671543	3.059524	3.85500024
Proj00014-3UG-UGAS	0.08692672	0.343210187	0.222922853	13.19281743	0.000438461	-0.19241766	0.025965478	-11.30687926	46.059725	28.93671543	3.059524	3.85500024
Proj00015-3UG-ALT1	0.875914124	0.910759731	1.57894037	31.71058946	0.062795753	0	1.260278235	0	103.5811805	49.21602601	1.053491649	24.04067942
Proj00015-3UG-ALT1	0.875914124	0.910759731	1.57894037	81.06931127	0.062795753	0	3.214173742	0	277.1662136	133.4105453	1.053491649	24.04067942
Proj00015-3UG-ALT1	0.875914124	0.910759731	1.57894037	31.71058946	0.062795753	0	1.260278235	0	110.3230311	55.22720906	1.053491649	24.04067942
Proj00015-3UG-PAS	3.314354232	1.770955072	1.57894037	91.44603394	0.018598251	-1.040398518	1.018244895	-60.82850133	760.4409158	379.1557565	2.78833051	76.60213111
Proj00013-3UG-UGAS	0.196564972	1.697633705	0.945024686	19.60607778	0.003664271	-0.796253489	0.07611994	-16.48566843	94.19565087	81.99069053	2.966782543	31.269888
Proj00016-3UG-PAS	0.94053631	0.069190902	1.65289579	85.32428122	0.067605659	-0.071431353	3.466290698	-4.16174865	241.7520301	67.16527626	1.057526328	27.66488874
Proj00016-3UG-UGAS	0.102803302	0.006903321	1.65289579	5.317714087	0.000737271	-0.071431353	0.043600914	-4.16174865	30.33674497	8.310683376	3.059524	5.69071464
Proj00017-3UG-PAS	0.136560256	1.312294067	1.009765881	54.94981079	0.013189169	-0.337362116	0.685539223	-19.79445562	462.8334499	428.4870021	1.981679901	15.97234
Proj00013-3UG-UGAS	0.196564972	1.697633705	0.945024686	55.89145104	0.003664271	-0.796253489	0.216996679	-46.52217276	329.6657603	294.0201916	2.966782543	31.269888
Proj00016-3UG-ALT1	0.886056987	0.065886822	1.65289579	84.80276333	0.070720887	0	3.619818332	0	223.5606147	62.23565603	0.904287	23.2401759
Proj00016-3UG-ALT1	0.886056987	0.065886822	1.65289579	33.17276127	0.070720887	0	1.419331568	0	85.26761511	24.68316588	0.904287	23.2401759
Proj00016-3UG-ALT1	0.886056987	0.065886822	1.65289579	33.17276127	0.070720887	0	1.419331568	0	82.76808758	23.01458624	0.904287	23.2401759
Proj00018-3UG-PAS	0.042882009	1.541457671	0.376153946	19.86656971	0.00085604	-0.270875045	0.050694353	-15.97322062	167.8737221	123.6613909	3.069976705	7.552142695
Proj00013-3UG-UGAS	0.196564972	1.697633705	0.945024686	19.60607778	0.003664271	-0.796253489	0.07611994	-16.48566843	110.7406806	98.36014794	2.966782543	31.269888
Proj00019-3UG-PAS	0.315203847	2.165852445	1.301033912	77.01023993	0.003904381	-1.094884654	0.23121589	-64.38908303	411.1150878	337.0741315	3.74	41.9628
Proj00019-3UG-UGAS	0.315063802	2.16662363	1.301033912	77.01023993	0.003904381	-1.094884654	0.23121589	-64.38908303	411.1150878	337.0741315	3.74	41.9628
Proj00020-3UG-PAS	0.150581754	0.14346501	1.039412457	61.55359421	0.001910434	-0.945377913	0.113135123	-55.74739083	55.87982715	28.28939101	3.059	16.79391
Proj00020-3UG-UGAS	0.150422499	0.14346501	1.039412457	61.55359421	0.001910434	-0.945377913	0.113135123	-55.74739083	55.87982715	28.28939101	3.059	16.79391
Proj00017-3UG-ALT1	0.097266873	1.403361908	1.009765881	51.66882729	0.019950438	0	1.02115461	0	296.1371071	280.3376782	1.0526	7.63135
Proj00017-3UG-ALT1	0.097266873	1.403361908	1.009765881	20.25935803	0.019950438	0	0.400394948	0	100.9890464	94.99673026	1.0526	7.63135
Proj00017-3UG-ALT1	0.097266873	1.403361908	1.009765881	20.25935803	0.019950438	0	0.400394948	0	117.4780395	111.405436	1.0526	7.63135
Proj00021-3UG-PAS	1.580312129	0.445987222	1.624893777	96.21801773	0.008142826	-1.377513335	0.482214902	-80.60673914	451.6997994	139.3593259	2.469675513	57.790407
Proj00021-3UG-UGAS	1.580312129	0.445987222	1.624893777	95.50139893	0.008142826	-1.377513335	0.482214902	-80.60673914	451.6997994	139.3593259	2.469675513	57.790407
Proj00022-3UG-PAS	0.115756892	0.005887304	0.153889016	8.015946534	0.005958739	-0.014098027	0.305778399	-0.810333945	26.58251646	7.36150095	0.987735776	2.38044322
Proj00022-3UG-UGAS	0.025817444	0.001187983	0.153889016	1.058212052	9.74E-05	-0.014098027	0.005770093	-0.810333945	6.630052508	1.801302087	2.538937	0.71090236
Proj00023-3UG-PAS	2.035712246	3.771553276	3.346426923	197.9564132	0.012173924	-3.060442671	0.71645952	-179.7371917	984.4889276	585.9219121	3.045321429	102.3228
Proj00023-3UG-UGAS	2.026731094	3.754879474	3.346426923	196.5698516	0.011622667	-3.060442671	0.688289723	-179.7371917	981.3633125	583.9533689	3.059	102.1706
Proj00018-3UG-ALT1	0.020270808	0.136059872	0.376153946	6.677256861	0.006466692	0	0.129783154	-2.44E-17	10.90276768	9.564553489	0.905936782	2.128951438
Proj00018-3UG-ALT1	0.020270808	0.136059872	0.376153946	17.04553608	0.006466692	0	0.330994849	-9.74E-17	25.60996187	22.06862396	0.905936782	2.128951438
Proj00018-3UG-ALT1	0.020270808	0.136059872	0.376153946	6.677256861	0.006466692	0	0.129783154	-2.44E-17	9.647613074	8.327547149	0.905936782	2.128951438
Proj00024-3UG-PAS	0.027761001	0.076199119	0.244700239	14.47251629	0.000428021	-0.218223379	0.025347208	-12.91285982	17.03698129	8.653850567	2.549712	3.13614576
Proj00024-3UG-UGAS	0.027769724	0.076209214	0.244700239	14.47251629	0.000428021	-0.218223379	0.025347208	-12.91285982	17.03698129	8.653850567	2.549712	3.13614576
Proj00025-3UG-PAS	0.258945328	0.014282307	0.534510718	31.63813962	0.001245784	-0.465820254	0.073774836	-27.52527369	71.38802353	24.59496812	3.740208	13.38994464
Proj00025-3UG-UGAS	0.258807593	0.014289247	0.534510718	31.63813962	0.001245784	-0.465820254	0.073774836	-27.52527369	71.38802353	24.59496812	3.740208	13.38994464
Proj00026-3UG-PAS	0.10666134	0.021060482	0.716454763	42.40427586	0.001144867	-0.631718824	0.067798555	-37.28077921	29.99910961	9.775414958	3.070367781	10.10151
Proj00026-3UG-UGAS	0.10666134	0.021060482	0.716454763	41.15341226	0.001144867	-0.631718824	0.067798555	-37.28077921	29.99910961	9.775414958	3.070367781	10.10151
Proj00019-3UG-ALT1	0.154206902	0.846700096	1.301033912	26.09871514	0.023472734	0	0.471085603	0	63.36284826	53.76748096	1.065773	9.09104369
Proj00019-3UG-ALT1	0.154206902	0.846700096	1.301033912	26.09871514	0.023472734	0	0.471085603	0	55.39106737	45.92229564	1.065773	9.09104369
Proj00019-3UG-ALT1	0.154206902	0.846700096	1.301033912	66.56133935	0.023472734	0	1.20144182	-8.88E-16	162.2352696	137.3130842	1.065773	9.09104369
Proj00027-3UG-PAS	0.316265893	2.747431791	0.232453808	13.74426899	0.000455858	-0.213161893	0.026995746	-12.18680206	319.9662212	208.5834169	2.467274	3.23212894
Proj00027-3UG-UGAS	0.316461546	2.748995023	0.232453808	13.74426899	0.000455858	-0.213161893	0.026995746	-12.18680206	319.9662212	208.5834169	2.467274	3.23212894
Proj00028-3UG-PAS	0.104938738	2.08585693	0.751962415	41.66708898	0.002515677	-0.565926343	0.136816503	-33.37098602	248.8888375	173.8964819	2.736696793	9.38687

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

rru_id	ignition_risk_mitigation_benefit	outage_program_risk_mitigation_benefit	total_om_costs_nbb	total_om_costs_nbb_pv	incremental_om_costs	incremental_om_savings	incremental_om_cost_pv	incremental_om_savings_pv	total_mitigation_benefit_scaled	total_mitigation_benefit_unscaled	average_unit_cost_per_mile	total_capex
Proj00015-3UG-UGAS	1.584472	3.083849249	1.57894037	26.75317169	0.008251537	-1.040398518	0.171413758	-21.54412354	232.8128305	115.2401755	3.059524	72.5486569
Proj00001-3UG-PAS	0.135756755	3.484985707	1.189380319	24.70765818	0.001263181	-1.083283707	0.026240755	-22.47519752	133.4252286	91.05566966	3.062763727	11.11783233
Proj00001-3UG-UGAS	0.135756755	3.484985707	1.189380319	23.99856682	0.001263181	-1.083283707	0.026240755	-22.47519752	133.4252286	91.05566966	3.062763727	11.11783233
Proj00020-3UG-ALT1	0.060590587	0.074601805	1.039412457	20.86046898	0.01348376	0	0.270612075	0	8.151135776	4.548166439	1.04	5.096
Proj00020-3UG-ALT	0.060590587	0.074601805	1.039412457	20.86046898	0.01348376	0	0.270612075	0	8.805767919	5.155405232	1.04	5.096
Proj00020-3UG-ALT1	0.060590587	0.074601805	1.039412457	53.20188167	0.01348376	0	0.690160475	0	21.75909583	12.38434331	1.04	5.096
Proj00002-3UG-PAS	0.042642997	1.009713558	0.538855935	6.30708889	0.001014738	-0.269423569	0.02107972	-5.566937503	53.03112106	50.09441643	3.059524	7.83238144
Proj00002-3UG-UGAS	0.042622183	1.01022038	0.538855935	6.30708889	0.001014738	-0.269423569	0.02107972	-5.566937503	53.03112106	50.09441643	3.059524	7.83238144
Proj00003-3UG-PAS	0.192165711	4.363907006	1.539063464	29.66721814	0.004008776	-1.339983309	0.083276538	-27.74553163	177.5998674	140.5906495	3.059524	35.24571648
Proj00003-3UG-UGAS	0.191958002	4.348372309	1.539063464	29.66721814	0.004008776	-1.339983309	0.083276538	-27.74553163	177.5998674	140.5906495	3.059524	35.24571648
Proj00004-3UG-PAS	0.037372526	0.04595384	0.054302871	1.120610347	0.000167032	-0.048039455	0.003469839	-0.996677698	4.288551256	1.902575236	2.467274	1.18429152
Proj00004-3UG-UGAS	0.037596381	0.046249038	0.054302871	1.120610347	0.000167032	-0.048039455	0.003469839	-0.996677698	4.288551256	1.902575236	2.467274	1.18429152
Proj00021-3UG-ALT1	0.738714756	0.113953114	1.624893777	83.26020038	0.055008194	0	2.815570836	-1.10E-16	171.1709396	51.17962636	0.917864176	18.34810487
Proj00021-3UG-ALT1	0.738714756	0.113953114	1.624893777	32.6167373	0.055008194	0	1.103985947	0	64.54384037	19.2087451	0.917864176	18.34810487
Proj00021-3UG-ALT1	0.738714756	0.113953114	1.624893777	32.6167373	0.055008194	0	1.103985947	0	66.65754533	20.71027585	0.917864176	18.34810487
Proj00005-3UG-PAS	0.110745229	0.257304996	1.287588531	26.74359402	0.002293214	-1.227385609	0.047638201	-25.4754709	18.95904526	9.511455345	2.467274	16.25933566
Proj00005-3UG-UGAS	0.11064749	0.257345778	1.287588531	26.74359402	0.002293214	-1.227385609	0.047638201	-25.4754709	18.95904526	9.511455345	2.467274	16.25933566
Proj00006-3UG-PAS	0.063945737	0.824768949	0.142853329	2.915497949	0.001687792	-0.054112727	0.034015221	-1.120098365	33.89878325	26.7035204	2.387232143	2.6737
Proj00015-3UG-UGAS	1.584472	3.083849249	1.57894037	76.26581933	0.008251537	-1.040398518	0.488652727	-60.82850133	696.5558234	347.9133795	3.059524	72.5486569
Proj00007-3UG-PAS	0.323557005	0.078376207	0.57843645	11.66650866	0.019717407	-0.062666985	0.395980301	-1.300370631	35.40347705	11.46572595	1.18867284	9.62825
Proj00015-3UG-UGAS	1.584472	3.083849249	1.57894037	26.75317169	0.008251537	-1.040398518	0.171413758	-21.54412354	252.8178234	131.2507926	3.059524	72.5486569
Proj00022-3UG-ALT1	0.101731744	0.005317072	0.153889016	3.086756458	0.006631803	0	0.133096859	-1.73E-18	8.943055416	2.58878284	0.783822	1.88901102
Proj00022-3UG-ALT1	0.101731744	0.005317072	0.153889016	3.086756458	0.006631803	0	0.133096859	-1.73E-18	8.693263057	2.421863029	0.783822	1.88901102
Proj00022-3UG-ALT1	0.101731744	0.005317072	0.153889016	7.872366245	0.006631803	0	0.339446018	-3.47E-18	22.57532307	6.291117023	0.783822	1.88901102
Proj00008-3UG-PAS	1.065441675	1.537704599	0.94984221	17.4807562	0.032457426	-0.272593211	0.655055912	-5.644961677	141.1645708	63.04079832	2.202406505	54.65602104
Proj00017-3UG-UGAS	0.078520009	1.476083937	1.009765881	8.474810168	0.00130146	-0.337362116	0.027035945	-6.992088167	84.59410089	76.14469811	3.059	11.44066
Proj00008-3UG-PAS	0.253228874	1.384003908	1.315305475	27.25550698	0.004289801	-1.060606058	0.088223189	-22.01808591	82.27275159	58.99767036	2.945342584	26.94988464
Proj00017-3UG-UGAS	0.078520009	1.476083937	1.009765881	24.15931646	0.00130146	-0.337362116	0.077071925	-19.79445562	286.3765805	261.4444132	3.059	11.44066
Proj00010-3UG-PAS	0.173559756	1.22688508	0.60340918	12.47189852	0.005916783	-0.38623114	0.120665174	-7.997592181	91.22171755	79.50439144	2.781428903	25.00504584
Proj00010-3UG-UGAS	0.160724222	1.125671029	0.60340918	10.67450958	0.002724713	-0.38623114	0.056601987	-7.997592181	83.97096633	73.0808469	3.059524	23.95607292
Proj00023-3UG-ALT1	0.88187379	3.346426923	67.16105298	0.067996629	0	1.36465712	0	152.7471279	97.62581084	1.049	25.92079
Proj00023-3UG-ALT1	0.88187379	1.797238391	3.346426923	67.16105298	0.067996629	0	1.36465712	0	139.4509891	85.05624372	1.049	25.92079
Proj00023-3UG-ALT1	0.88187379	1.797238391	3.346426923	171.2854298	0.067996629	0	3.48037835	0	386.1150474	243.1790626	1.049	25.92079
Proj00011-3UG-PAS	0.09793922	3.471680217	1.856745724	19.86097917	0.002084424	-0.905170076	0.043300897	-18.7634621	167.4656272	134.6899672	3.059	18.32341
Proj00017-3UG-UGAS	0.078520009	1.476083937	1.009765881	8.474810168	0.00130146	-0.337362116	0.027035945	-6.992088167	99.81417799	90.84171799	3.059	11.44066
Proj00012-3UG-PAS	0.157291155	1.53995007	0.701238126	14.41524683	0.005607944	-0.464366242	0.113881376	-9.632702768	79.05052005	55.08030791	2.659368189	18.05711
Proj00018-3UG-UGAS	0.0428287	1.541457671	0.376153946	6.807308297	0.00085604	-0.270875045	0.017782996	-5.621088853	56.80169086	41.83884134	3.069976705	7.552142695
Proj00013-3UG-PAS	0.196816074	1.698779381	0.945024686	19.63066052	0.003691789	-0.796253489	0.076672209	-16.48568843	110.812439	98.42489743	2.967778073	31.28308089
Proj00018-3UG-UGAS	0.0428287	1.541457671	0.376153946	19.40573442	0.00085604	-0.270875045	0.050984353	-15.97322062	167.8737221	123.6613909	3.069976705	7.552142695
Proj00024-3UG-ALT1	0.011942849	0.004069735	0.244700239	4.904725402	0.003137037	0	0.062958713	0	1.529617387	0.705462121	0.912275	1.0399935
Proj00024-3UG-ALT1	0.011942849	0.004069735	0.244700239	4.904725402	0.003137037	0	0.062958713	0	1.444153496	0.631585734	0.912275	1.0399935
Proj00024-3UG-ALT1	0.011942849	0.004069735	0.244700239	12.50885686	0.003137037	0	0.16056791	-8.66E-19	3.988861478	1.736030675	0.912275	1.0399935
Proj00014-3UG-PAS	0.086957467	0.342986973	0.222922853	4.627888521	0.000438461	-0.19241766	0.009108391	-3.989486411	16.95373567	11.1877604	3.059524	3.85500024
Proj00014-3UG-UGAS	0.08692672	0.343210187	0.222922853	4.627888521	0.000438461	-0.19241766	0.009108391	-3.989486411	16.95373567	11.1877604	3.059524	3.85500024
Proj00015-3UG-PAS	1.770955072	3.314354232	1.57894037	32.61740358	0.018598251	-1.040398518	0.379066964	-21.54412354	277.6280126	143.8371031	2.78833051	76.60213111
Proj00018-3UG-UGAS	0.0428287	1.541457671	0.376153946	6.807308297	0.00085604	-0.270875045	0.017782996	-5.621088853	65.70905723	48.70755791	3.069976705	7.552142695
Proj00016-3UG-PAS	0.94053631	0.069190902	1.65289579	33.23598467	0.067605659	-0.071431353	1.357329641	-1.477890697	90.88412602	26.26801566	1.057526328	27.66488874
Proj00016-3UG-UGAS	0.102803302	0.006903321	1.65289579	1.865392901	0.000737271	-0.071431353	0.015315747	-1.477890697	10.24882637	2.925806844	3.059524	5.690714664
Proj00025-3UG-ALT1	0.127580093	0.0074268	0.534510718	27.34541471	0.007815079	0	0.400011487	0	31.59238811	11.92182818	1.487546	4.22463064
Proj00025-3UG-ALT1	0.127580093	0.0074268	0.534510718	10.72214285	0.007815079	0	0.156844592	0	12.19703132	4.568780228	1.487546	4.22463064
Proj00025-3UG-ALT1	0.127580093	0.0074268	0.534510718	10.72214285	0.007815079	0	0.156844592	0	12.74855189	5.020716099	1.487546	4.22463064
Proj00017-3UG-PAS	0.136560256	2.312294067	1.009765881	20.54659316	0.013189169	-0.337362116	0.265616107	-6.992088167	169.9126176	157.2239916	1.981679901	15.97234
Proj00028-3UG-UGAS	0.097914054	2.072702547	0.751962415	12.3912432	0.001002194	-0.565926343	0.020819138	-11.74377676	81.56733831	56.88463202	3.059	8.80992
Proj00018-3UG-PAS	0.042882009	1.541457671	0.376153946	6.868964012	0.00085604	-0.270875045	0.017782996	-5.621088853	65.70905723	48.70755791	3.069976705	7.552142695
Proj00028-3UG-UGAS	0.097914054	2.072702547	0.751962415	35.32397303	0.001002194	-0.565926343	0.059349546	-33.37098602	242.7571639	168.950395	3.059	8.80992
Proj00019-3UG-PAS	0.315235847	2.166852445	1.301033912	27.01430587	0.003904381	-1.094884654	0.081107875	-22.70525552	141.8464688	115.8631107	3.74	41.9628
Proj00019-3UG-UGAS	0.315063802	2.16662363	1.301033912	27.01430587	0.003904381	-1.094884654	0.081107875	-22.70525552	141.8464688	115.8631107	3.74	41.9628
Proj00026-3UG-ALT1	0.042234668	0.010945284	0.716454763	14.37077871	0.009328548	0	0.187219129	0	4.047574343	1.454638221	1.049	3.55611
Proj00026-3UG-ALT1	0.042234668	0.010945284	0.716454763	36.65078044	0.009328548	0	0.477477744	0	10.60936709	3.81988975	1.049	3.55611
Proj00026-3UG-ALT1	0.042234668	0.010945284	0.716454763	14.37077871	0.009328548	0	0.187219129	0	4.22089949	1.593467557	1.049	3.55611
Proj00020-3UG-PAS	0.150581754	0.14346501	1.039412457	21.59229244	0.001910434	-0.945377913	0.0396865	-19.61804878	19.78868217	10.32446295	3.059	16.79391
Proj00020-3UG-UGAS	0.150422499	0.14346501	1.039412457	21.59229244	0.001910434	-0.945377913	0.0396865	-19.61804878	19.78868217	10.32446295	3.059	16.79391
Proj00021-3UG-PAS	1.580312129	0.445987222	1.624893777	33.75217326	0.008142826	-1.377513335	0.169155443	-28.53093661	155.4216574	50.27761968	2.469675513	57.790407
Proj00021-3UG-UGAS	1.580312129	0.445987222	1.624893777	33.50079163	0.008142826	-1.377513335	0.169155443	-28.53093661	155.4216574	50.27761968	2.469675513	57.790407
Proj00022-3UG-PAS	0.115756892	0.005887304	0.153889016	3.099337761	0.005958739	-0.014098027	0.011965705	-0.29071533	10.24343237	2.949658134	0.987735776	2.38044322
Proj00022-3UG-UGAS	0.025817444	0.001187983	0.153889016	0.371208609	9.74E-05	-0.014098027	0.002024082	-0.29071533	2.339404136	0.661646744	2.538937	0.71090236
Proj00027-3UG-ALT1	0.14900699	0.518358864	0.232453808	4.657922912	0.003632351	0	0.0728994	0	27.28203869	17.72958056	0.575159	0.75920988
Proj00027-3UG-ALT1	0.14900699	0.518358864	0.232453808	4.657922912	0.003632351	0	0.0728994	0	15.59607837	10.13678954	0.575159	0.75920988
Proj00027-3UG-ALT1	0.14900699	0.518358864	0.232453808	11.87941958	0.003632351	0	0.185920323	-2.77E-17	67.70544161	42.4723166	0.575159	0.75920988
Proj00023-3UG-PAS	2.035712246	3.771553276	3.346426923	69.49811276	0.012173024	-3.060442671	0.252489504	-63.44475067	342.5363424	206.300128	3.045321429	102.3228
Proj00023-3UG-UGAS	2.026731004	3.754879474	3.346426923	68.95444164	0.011622667	-3.060442671	0.241444121	-63.44475067	341.2998486	205.5098436	3.059	102.1706
Proj00024-3UG-PAS	0.027761001	0.07619919	0.244700239	5.076792153	0.000428021	-0.218223379	0.008891509	-4.532378125	6.002537825	3.200523507	2.549712	3.13614576
Proj00024-3UG-UGAS	0.027769724	0.076209214	0.244700239	5.076792153	0.000428021	-0.218223379	0.008891509	-4.532378125	6.002537825	3.200523507	2.549712	3.13614576
Proj00025-3UG-PAS	0.258945328	0.014282307	0.534510718	11.09829526	0.001245784	-0.465820254	0.025879364	-9.671449096	25.51805723	9.203164144	3.740208	13.38994464
Proj00025-3UG-UGAS	0.258807593	0.014289247	0.534510718	11.09829526	0.001245784	-0.465820254	0.025879364	-9.671449096	25.51805723	9.203164144	3.740208	13.38994464
Proj00028-3UG-ALT1	0.040818155	0.076470014	0.751962415	36.87426095	0.008805717	0	0.450716839	-5.32E-17	35.64509652	28.7529952	1.049	3.3568
Proj00028-3UG-ALT1	0.040818155	0.076470014	0.751962415	14.45840625	0.008805717	0	0.176726172	0	13.56389784	10.98152036	1.049	3.3568
Proj00028-3UG-ALT1	0.040818155	0.076470014	0.751962415	14.45840625	0.008805717	0	0.176726172	0	15.17891349	12.56135664	1.049	3.3568
Proj00026-3UG-PAS	0.10666134	0.021060482	0.716454763	14.8749195	0.001144867	-0.631718824	0.023782954	-13.11171126	10.51777485	3.600175974	3.070367781	10.10151
Proj00026-3UG-UGAS	0.10666134	0.021060482	0.716454763	14.43614339	0.001144867	-0.631718824	0.023782954	-13.11171126	10.51777485	3.600175974	3.070367781	10.10151
Proj00027-3UG-PAS	0.316265893	2.747431791	0.232453808	4.821331379	0.000455858	-0.213161893	0.009469797	-4.38987666	119.5819231	79.64422346	2.467274	3.23212894
Proj00027-3UG-UGAS	0.316461546	2.748995023	0.232453808	4.821331379	0.000455858	-0.213161893	0.009469797	-4.38987666	119.5819231	79.64422346	2.467274	3.23212894
Proj00028-3UG-PAS	0.104938738	2.08585693	0.751962415	14.87838029	0.002515677	-0.565926343	0.051139949	-11.74377676	96.57141224	68.30396801	2.736696793	9.38687
Proj00028-3UG-UGAS	0.097914054	2.072702547	0.751962415	12.3912432	0.001002194	-0.565926343	0.020819138	-11.74377676	93.96306239	66.14316131	3.059	8.80992

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rru_id	total_project_costs	present_value_project_costs	benefit_cost_ratio_scaled	benefit_cost_ratio_unscaled	backcasted_total_mitigation_benefit	backcasted_present_value_project_costs	backcasted_benefit_cost_ratio	unit_cost_percentage_difference	bcr_percentage_difference	risk_model	reporting_date	calculated_date
Proj00001-3UG-ALT1	2.895784648	4.436711149	11.7935655	7.345229114						WBCA_v1c0	9/30/2026	9/4/2026
Proj00001-3UG-ALT1	2.895784648	4.175564131	3.404670048	2.193121985						WBCA_v1c0	9/30/2026	9/4/2026
Proj00001-3UG-ALT1	2.895784648	4.175564131	3.120917885	1.925619363						WBCA_v1c0	9/30/2026	9/4/2026
Proj00001-3UG-PAS	11.11909551	15.45556846	-15.641261	-10.57618224						WBCA_v1c0	9/30/2026	9/4/2026
Proj00001-3UG-UGAS	11.11909551	15.45556846	-15.641261	-10.57618224	116.294484	15.45556846	-15.641261			WBCA_v1c0	9/30/2026	9/4/2026
Proj00002-3UG-PAS	7.833396178	10.89085868	8.631804238	8.084943048						WBCA_v1c0	9/30/2026	9/4/2026
Proj00002-3UG-UGAS	7.833396178	10.89085868	8.631804238	8.084943048	45.672686	10.89085868	8.631804238			WBCA_v1c0	9/30/2026	9/4/2026
Proj00003-3UG-PAS	35.24972526	48.99728187	7.017135363	5.48870456						WBCA_v1c0	9/30/2026	9/4/2026
Proj00003-3UG-UGAS	35.24972526	48.99728187	7.017135363	5.48870456	153.4120952	48.99728187	7.017135363			WBCA_v1c0	9/30/2026	9/4/2026
Proj00002-3UG-ALT1	2.331089673	3.367204652	7.716106394	7.33134845						WBCA_v1c0	9/30/2026	9/4/2026
Proj00002-3UG-ALT1	2.331089673	3.367204652	8.858891932	8.468899222						WBCA_v1c0	9/30/2026	9/4/2026
Proj00002-3UG-ALT1	2.331089673	3.587253149	19.47108114	18.51285996						WBCA_v1c0	9/30/2026	9/4/2026
Proj00004-3UG-PAS	1.184458552	1.64702961	6.120390026	2.577288994						WBCA_v1c0	9/30/2026	9/4/2026
Proj00004-3UG-UGAS	1.184458552	1.64702961	6.120390026	2.577288994	4.059912421	1.64702961	6.120390026			WBCA_v1c0	9/30/2026	9/4/2026
Proj00005-3UG-PAS	16.26162887	22.61234423	-6.488484923	-3.125731318						WBCA_v1c0	9/30/2026	9/4/2026
Proj00005-3UG-UGAS	16.26162887	22.61234423	-6.488484923	-3.125731318	17.40585477	22.61234423	-6.488484923			WBCA_v1c0	9/30/2026	9/4/2026
Proj00006-3UG-PAS	2.675387792	3.744576081	13.36882909	10.36024038						WBCA_v1c0	9/30/2026	9/4/2026
Proj00006-3UG-UGAS	1.77500183	2.467260175	12.65421061	9.550658816	17.18199526	2.467260175	12.65421061			WBCA_v1c0	9/30/2026	9/4/2026
Proj00003-3UG-ALT1	7.573773863	11.65508436	10.2422336	8.997800448						WBCA_v1c0	9/30/2026	9/4/2026
Proj00003-3UG-ALT1	7.573773863	10.94014009	4.476031543	3.962043717						WBCA_v1c0	9/30/2026	9/4/2026
Proj00003-3UG-ALT1	7.573773863	10.94014009	3.922717172	3.415474088						WBCA_v1c0	9/30/2026	9/4/2026
Proj00007-3UG-PAS	9.647967407	13.75806565	2.73777597	0.845953989						WBCA_v1c0	9/30/2026	9/4/2026
Proj00006-3UG-UGAS	1.77500183	2.475019757	-74.22276405	-56.10041448						WBCA_v1c0	9/30/2026	9/4/2026
Proj00008-3UG-PAS	54.68847846	76.50968191	1.826962985	0.781289476						WBCA_v1c0	9/30/2026	9/4/2026
Proj00006-3UG-UGAS	1.77500183	2.467260175	14.45857348	11.08692372						WBCA_v1c0	9/30/2026	9/4/2026
Proj00009-3UG-PAS	26.95417444	37.48927309	4.447979048	3.095373307						WBCA_v1c0	9/30/2026	9/4/2026
Proj00007-3UG-UGAS	3.273502343	4.550184704	3.171965373	1.108057805	10.21519789	4.550184704	3.171965373			WBCA_v1c0	9/30/2026	9/4/2026
Proj00004-3UG-ALT1	0.259429652	0.382141798	4.505811197	2.011223234						WBCA_v1c0	9/30/2026	9/4/2026
Proj00004-3UG-ALT1	0.259429652	0.382141798	4.753384682	2.226167112						WBCA_v1c0	9/30/2026	9/4/2026
Proj00004-3UG-ALT1	0.259429652	0.418959105	10.53012956	4.656218785						WBCA_v1c0	9/30/2026	9/4/2026
Proj00010-3UG-PAS	25.01096282	34.82266779	2.845986101	2.422706995						WBCA_v1c0	9/30/2026	9/4/2026
Proj00010-3UG-UGAS	23.95879763	33.30283999	2.771091154	2.354519836	71.36508094	33.30283999	2.771091154			WBCA_v1c0	9/30/2026	9/4/2026
Proj00011-3UG-PAS	18.32549442	25.4725293	20.80776012	16.62572047						WBCA_v1c0	9/30/2026	9/4/2026
Proj00007-3UG-UGAS	3.273502343	4.564499825	41.93021094	14.44306032						WBCA_v1c0	9/30/2026	9/4/2026
Proj00012-3UG-PAS	18.06271794	25.17353863	4.335114609	2.967881112						WBCA_v1c0	9/30/2026	9/4/2026
Proj00007-3UG-UGAS	3.273502343	4.550184704	3.351936617	1.231434111						WBCA_v1c0	9/30/2026	9/4/2026
Proj00005-3UG-ALT1	5.891622068	8.467876249	0.566852243	0.228795945						WBCA_v1c0	9/30/2026	9/4/2026
Proj00005-3UG-ALT1	5.891622068	8.953353106	1.33529156	0.512647467						WBCA_v1c0	9/30/2026	9/4/2026
Proj00005-3UG-ALT1	5.891622068	8.467876249	0.541663251	0.20801898						WBCA_v1c0	9/30/2026	9/4/2026
Proj00013-3UG-PAS	31.28407268	43.48758481	3.356233709	2.921416947						WBCA_v1c0	9/30/2026	9/4/2026
Proj00008-3UG-UGAS	45.61198173	63.40086652	1.605803325	0.738847794	95.53408497	63.40086652	1.605803325			WBCA_v1c0	9/30/2026	9/4/2026
Proj00014-3UG-PAS	3.855438701	5.359077724	11.34175566	7.170180212						WBCA_v1c0	9/30/2026	9/4/2026
Proj00014-3UG-UGAS	3.855438701	5.359077724	11.34175566	7.170180212	15.44609565	5.359077724	11.34175566			WBCA_v1c0	9/30/2026	9/4/2026
Proj00015-3UG-PAS	76.62072935	106.6875045	2.990164738	1.47662957						WBCA_v1c0	9/30/2026	9/4/2026
Proj00008-3UG-UGAS	45.61198173	63.6002948	5.051602828	2.321768014						WBCA_v1c0	9/30/2026	9/4/2026
Proj00006-3UG-ALT1	1.293654691	1.858565701	7.680943113	6.395957176						WBCA_v1c0	9/30/2026	9/4/2026
Proj00006-3UG-ALT1	1.293654691	1.858565701	6.853172231	5.585093876						WBCA_v1c0	9/30/2026	9/4/2026
Proj00006-3UG-ALT1	1.293654691	1.963880665	17.09608814	13.94488889						WBCA_v1c0	9/30/2026	9/4/2026
Proj00016-3UG-PAS	27.7324944	39.75066223	2.296909581	0.6374994						WBCA_v1c0	9/30/2026	9/4/2026
Proj00016-3UG-UGAS	5.691451911	7.912889524	1.513082525	0.413813108	9.928085428	7.912889524	1.513082525			WBCA_v1c0	9/30/2026	9/4/2026
Proj00017-3UG-PAS	15.98552917	22.43202956	9.145698244	8.386345247						WBCA_v1c0	9/30/2026	9/4/2026
Proj00008-3UG-UGAS	45.61198173	63.40086652	1.735785556	0.831060777						WBCA_v1c0	9/30/2026	9/4/2026
Proj00018-3UG-PAS	7.552998735	10.49864863	11.85560145	8.732568002						WBCA_v1c0	9/30/2026	9/4/2026
Proj00009-3UG-UGAS	26.59028754	36.96062319	4.37569315	3.040682773	70.0515368	36.96062319	4.37569315			WBCA_v1c0	9/30/2026	9/4/2026
Proj00007-3UG-ALT1	7.426297137	11.42849184	6.771493454	1.969003125						WBCA_v1c0	9/30/2026	9/4/2026
Proj00007-3UG-ALT1	7.426297137	10.72724679	2.584471768	0.753861163						WBCA_v1c0	9/30/2026	9/4/2026
Proj00007-3UG-ALT1	7.426297137	10.72724679	2.671073457	0.814057381						WBCA_v1c0	9/30/2026	9/4/2026
Proj00019-3UG-PAS	41.96670438	58.31708172	3.313175051	2.638083694						WBCA_v1c0	9/30/2026	9/4/2026
Proj00019-3UG-UGAS	41.96670438	58.31708172	3.313175051	2.638083694	122.3187897	58.31708172	3.313175051			WBCA_v1c0	9/30/2026	9/4/2026
Proj00020-3UG-PAS	16.79582043	23.3462748	4.66010282	2.295231643						WBCA_v1c0	9/30/2026	9/4/2026
Proj00020-3UG-UGAS	16.79582043	23.3462748	4.66010282	2.295231643	18.38476524	23.3462748	4.66010282			WBCA_v1c0	9/30/2026	9/4/2026
Proj00021-3UG-PAS	57.79854983	80.37068228	2.853449373	0.879913977						WBCA_v1c0	9/30/2026	9/4/2026
Proj00021-3UG-UGAS	57.79854983	80.37068228	2.853449373	0.879913977	149.3402667	80.37068228	2.853449373			WBCA_v1c0	9/30/2026	9/4/2026
Proj00008-3UG-ALT1	17.0221565	24.58313605	2.576447324	0.834454682						WBCA_v1c0	9/30/2026	9/4/2026
Proj00008-3UG-ALT1	17.0221565	26.18170018	6.319478532	2.076250414						WBCA_v1c0	9/30/2026	9/4/2026
Proj00008-3UG-ALT1	17.0221565	24.58313605	2.6696893	0.905560766						WBCA_v1c0	9/30/2026	9/4/2026
Proj00022-3UG-PAS	2.386401959	3.423236506	3.179858186	0.880899402						WBCA_v1c0	9/30/2026	9/4/2026
Proj00022-3UG-UGAS	0.710999796	0.988614377	3.263934153	0.886896432	2.270876415	0.988614377	3.263934153			WBCA_v1c0	9/30/2026	9/4/2026
Proj00023-3UG-PAS	102.334973	142.2560713	3.862480763	2.203173798						WBCA_v1c0	9/30/2026	9/4/2026
Proj00023-3UG-UGAS	102.1822227	142.0338028	3.859119072	2.200701366	310.3567481	142.0338028	3.859119072			WBCA_v1c0	9/30/2026	9/4/2026
Proj00024-3UG-PAS	3.136573781	4.361234595	-42.14206202	-21.5837514						WBCA_v1c0	9/30/2026	9/4/2026
Proj00024-3UG-UGAS	3.136573781	4.361234595	-42.14206202	-21.5837514	5.441874881	4.361234595	-42.14206202			WBCA_v1c0	9/30/2026	9/4/2026
Proj00009-3UG-ALT1	6.352444225	9.175263785	3.084711141	2.259181253						WBCA_v1c0	9/30/2026	9/4/2026
Proj00009-3UG-ALT1	6.352444225	9.175263785	3.449354574	2.612895443						WBCA_v1c0	9/30/2026	9/4/2026
Proj00009-3UG-ALT1	6.352444225	9.773761769	8.467173932	6.34697906						WBCA_v1c0	9/30/2026	9/4/2026
Proj00025-3UG-PAS	13.39119042	18.60844454	2.62886083	0.899774882						WBCA_v1c0	9/30/2026	9/4/2026
Proj00025-3UG-UGAS	13.39119042	18.60844454	2.62886083	0.899774882	24.45394237	18.60844454	2.62886083			WBCA_v1c0	9/30/2026	9/4/2026
Proj00026-3UG-PAS	10.10265487	14.04265853	21.01798769	6.838873645						WBCA_v1c0	9/30/2026	9/4/2026
Proj00026-3UG-UGAS	10.10265487	14.04265853	21.01798769	6.838873645	10.10595087	14.04265853	21.01798769			WBCA_v1c0	9/30/2026	9/4/2026
Proj00027-3UG-PAS	3.232584798	4.49501834	1653.137739	1074.756079						WBCA_v1c0	9/30/2026	9/4/2026
Proj00027-3UG-UGAS	3.232584798	4.49501834	1653.137739	1074.756079	105.6505656	4.49501834	1653.137739			WBCA_v1c0	9/30/2026	9/4/2026
Proj00010-3UG-ALT1	7.532527293	10.85565161	3.879285665	3.37310993						WBCA_v1c0	9/30/2026	9/4/2026
Proj00010-3UG-ALT1	7.532527293	11.52521578	11.15164328	9.877629234						WBCA_v1c0	9/30/2026	9/4/2026
Proj00010-3UG-ALT1	7.532527293	10.85565161	4.497408194	3.984318451						WBCA_v1c0	9/30/2026	9/4/2026

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rru_id	total_project_costs	present_value_project_costs	benefit_cost_ratio_scaled	benefit_cost_ratio_unscaled	backcasted_total_mitigation_benefit	backcasted_present_value_project_costs	backcasted_benefit_cost_ratio	unit_cost_percentage_difference	bcr_percentage_difference	risk_model	reporting_date	calculated_date
Proj00028-3UG-PAS	9.389385677	13.07829214	60.32400827	42.25790468						WBCA_v1c0	9/30/2026	9/4/2026
Proj00009-3UG-UGAS	26.59028754	37.07688327	-9.630804	-6.862421625						WBCA_v1c0	9/30/2026	9/4/2026
Proj00001-3UG-PAS	11.11909551	15.50413277	-6.739753611	-4.558536023						WBCA_v1c0	9/30/2026	9/4/2026
Proj00001-3UG-UGAS	11.11909551	15.50413277	-6.739753611	-4.558536023						WBCA_v1c0	9/30/2026	9/4/2026
Proj00002-3UG-PAS	7.833396178	10.92987135	-27.73044267	-26.01150791						WBCA_v1c0	9/30/2026	9/4/2026
Proj00002-3UG-UGAS	7.833396178	10.92987135	-27.73044267	-26.01150791						WBCA_v1c0	9/30/2026	9/4/2026
Proj00011-3UG-ALT1	5.058926087	7.679892039	14.43200268	13.46094912						WBCA_v1c0	9/30/2026	9/4/2026
Proj00011-3UG-ALT1	5.058926087	7.268049995	5.612228418	5.222155814						WBCA_v1c0	9/30/2026	9/4/2026
Proj00011-3UG-ALT1	5.058926087	7.268049995	6.434502514	6.039209196						WBCA_v1c0	9/30/2026	9/4/2026
Proj00003-3UG-PAS	35.24972526	49.15140347	-16.67646443	-13.21852912						WBCA_v1c0	9/30/2026	9/4/2026
Proj00003-3UG-UGAS	35.24972526	49.15140347	-16.67646443	-13.21852912						WBCA_v1c0	9/30/2026	9/4/2026
Proj00004-3UG-PAS	1.184458552	1.653451312	-10.18299436	-4.23871747						WBCA_v1c0	9/30/2026	9/4/2026
Proj00004-3UG-UGAS	1.184458552	1.653451312	-10.18299436	-4.23871747						WBCA_v1c0	9/30/2026	9/4/2026
Proj00005-3UG-PAS	16.26162887	22.70050923	-1.031761251	-0.495042303						WBCA_v1c0	9/30/2026	9/4/2026
Proj00005-3UG-UGAS	16.26162887	22.70050923	-1.031761251	-0.495042303						WBCA_v1c0	9/30/2026	9/4/2026
Proj00012-3UG-ALT1	5.100996162	7.328491235	2.566086227	1.867852508						WBCA_v1c0	9/30/2026	9/4/2026
Proj00012-3UG-ALT1	5.100996162	7.328491235	2.840235347	2.132471067						WBCA_v1c0	9/30/2026	9/4/2026
Proj00012-3UG-ALT1	5.100996162	7.743758278	6.459735865	4.690322412						WBCA_v1c0	9/30/2026	9/4/2026
Proj00006-3UG-PAS	2.675387792	3.7965715	-163.0983622	-126.3857083						WBCA_v1c0	9/30/2026	9/4/2026
Proj00006-3UG-UGAS	26.59028754	36.96062319	4.965603674	3.555399496						WBCA_v1c0	9/30/2026	9/4/2026
Proj00007-3UG-PAS	9.647967407	14.37430417	9.34822129	2.882819714						WBCA_v1c0	9/30/2026	9/4/2026
Proj00011-3UG-UGAS	18.32549442	25.4725293	20.80776012	16.62572047	144.1629609	25.4725293	20.80776012			WBCA_v1c0	9/30/2026	9/4/2026
Proj00008-3UG-PAS	54.68847846	77.55462495	5.486304903	2.362211873						WBCA_v1c0	9/30/2026	9/4/2026
Proj00011-3UG-UGAS	18.32549442	25.5526716	-15.93581853	-12.82164128						WBCA_v1c0	9/30/2026	9/4/2026
Proj00013-3UG-ALT1	9.482080622	14.21710325	9.952029868	9.038816342						WBCA_v1c0	9/30/2026	9/4/2026
Proj00013-3UG-ALT1	9.482080622	13.55610107	3.499963845	3.128721853						WBCA_v1c0	9/30/2026	9/4/2026
Proj00013-3UG-ALT1	9.482080622	13.55610107	4.058017802	3.681925037						WBCA_v1c0	9/30/2026	9/4/2026
Proj00009-3UG-PAS	26.95417444	37.64491931	-9.903793697	-7.065702271						WBCA_v1c0	9/30/2026	9/4/2026
Proj00011-3UG-UGAS	18.32549442	25.4725293	24.17115033	19.44047563						WBCA_v1c0	9/30/2026	9/4/2026
Proj00010-3UG-PAS	25.01096262	35.02674379	20.42455879	17.84369239						WBCA_v1c0	9/30/2026	9/4/2026
Proj00010-3UG-UGAS	23.95879763	33.40759445	21.599529	18.85071806						WBCA_v1c0	9/30/2026	9/4/2026
Proj00011-3UG-PAS	18.32549442	25.55266716	-15.93581853	-12.82164128						WBCA_v1c0	9/30/2026	9/4/2026
Proj00012-3UG-UGAS	16.64285303	23.13364932	4.593592382	3.128378656	64.13200618	23.13364932	4.593592382			WBCA_v1c0	9/30/2026	9/4/2026
Proj00014-3UG-ALT1	1.142868878	1.650847638	4.914828179	3.358366622						WBCA_v1c0	9/30/2026	9/4/2026
Proj00014-3UG-ALT1	1.142868878	1.758731678	11.10070993	7.277088985						WBCA_v1c0	9/30/2026	9/4/2026
Proj00014-3UG-ALT1	1.142868878	1.650847638	4.495993814	2.960296503						WBCA_v1c0	9/30/2026	9/4/2026
Proj00012-3UG-PAS	18.06271794	25.36190808	-263.0706312	-179.7175137						WBCA_v1c0	9/30/2026	9/4/2026
Proj00012-3UG-UGAS	16.64285303	23.20642897	-65.57674415	-44.59574336						WBCA_v1c0	9/30/2026	9/4/2026
Proj00013-3UG-PAS	31.28407268	43.62931777	-1172.268244	-1045.525798						WBCA_v1c0	9/30/2026	9/4/2026
Proj00012-3UG-UGAS	16.64285303	23.13364932	5.247172025	3.633666671						WBCA_v1c0	9/30/2026	9/4/2026
Proj00014-3UG-PAS	3.855438701	5.375934811	-7.652435323	-4.80759152						WBCA_v1c0	9/30/2026	9/4/2026
Proj00014-3UG-UGAS	3.855438701	5.375934811	-7.652435323	-4.80759152						WBCA_v1c0	9/30/2026	9/4/2026
Proj00015-3UG-ALT1	24.10347517	34.62393313	3.048961057	1.448697012						WBCA_v1c0	9/30/2026	9/4/2026
Proj00015-3UG-ALT1	24.10347517	36.57782864	7.982644259	3.842347556						WBCA_v1c0	9/30/2026	9/4/2026
Proj00015-3UG-ALT1	24.10347517	34.62393313	3.24741062	1.62563903						WBCA_v1c0	9/30/2026	9/4/2026
Proj00015-3UG-PAS	76.62072935	107.3266824	16.10071839	8.026757766						WBCA_v1c0	9/30/2026	9/4/2026
Proj00013-3UG-UGAS	31.27355227	43.47247051	3.355848146	2.921029838	94.19565087	43.47247051	3.355848146			WBCA_v1c0	9/30/2026	9/4/2026
Proj00016-3UG-PAS	27.7324944	41.85962329	6.360693899	1.767173424						WBCA_v1c0	9/30/2026	9/4/2026
Proj00016-3UG-UGAS	5.691451911	7.941234691	7.419491744	2.032553155						WBCA_v1c0	9/30/2026	9/4/2026
Proj00017-3UG-PAS	15.98552917	22.85195268	114.8668624	106.3426974						WBCA_v1c0	9/30/2026	9/4/2026
Proj00013-3UG-UGAS	31.27355227	43.61334725	-1108.687761	-988.8093552						WBCA_v1c0	9/30/2026	9/4/2026
Proj00016-3UG-ALT1	23.31089679	35.87253445	6.229784513	1.734271158						WBCA_v1c0	9/30/2026	9/4/2026
Proj00016-3UG-ALT1	23.31089679	33.67204768	2.53190647	0.732933216						WBCA_v1c0	9/30/2026	9/4/2026
Proj00016-3UG-ALT1	23.31089679	33.67204768	2.457686381	0.683387001						WBCA_v1c0	9/30/2026	9/4/2026
Proj00018-3UG-PAS	7.552998735	10.53155798	-29.25145804	-21.54760103						WBCA_v1c0	9/30/2026	9/4/2026
Proj00013-3UG-UGAS	31.27355227	43.47247051	3.945287326	3.504214016						WBCA_v1c0	9/30/2026	9/4/2026
Proj00019-3UG-PAS	41.96670438	58.46718973	-162.3011076	-133.071022						WBCA_v1c0	9/30/2026	9/4/2026
Proj00019-3UG-UGAS	41.96670438	58.46718973	-162.3011076	-133.071022						WBCA_v1c0	9/30/2026	9/4/2026
Proj00020-3UG-PAS	16.79582043	23.41972342	-1.752406057	-0.887162732						WBCA_v1c0	9/30/2026	9/4/2026
Proj00020-3UG-UGAS	16.79582043	23.41972342	-1.752406057	-0.887162732						WBCA_v1c0	9/30/2026	9/4/2026
Proj00017-3UG-ALT1	7.651300438	11.61194214	25.50280718	24.14218813						WBCA_v1c0	9/30/2026	9/4/2026
Proj00017-3UG-ALT1	7.651300438	10.99118248	9.188187775	8.642994732						WBCA_v1c0	9/30/2026	9/4/2026
Proj00017-3UG-ALT1	7.651300438	10.99118248	10.68838974	10.13589198						WBCA_v1c0	9/30/2026	9/4/2026
Proj00021-3UG-PAS	57.79854983	80.68374174	589.0466478	181.7338503						WBCA_v1c0	9/30/2026	9/4/2026
Proj00021-3UG-UGAS	57.79854983	80.68374174	589.0466478	181.7338503						WBCA_v1c0	9/30/2026	9/4/2026
Proj00022-3UG-PAS	2.386401959	3.6093575	9.581087748	2.653292311						WBCA_v1c0	9/30/2026	9/4/2026
Proj00022-3UG-UGAS	0.710999796	0.992360388	42.10069995	11.43823199						WBCA_v1c0	9/30/2026	9/4/2026
Proj00023-3UG-PAS	102.334973	142.7200414	-29.90642493	-17.79890986						WBCA_v1c0	9/30/2026	9/4/2026
Proj00023-3UG-UGAS	102.1822227	142.4806484	-29.59624677	-17.61103945						WBCA_v1c0	9/30/2026	9/4/2026
Proj00018-3UG-ALT1	2.13541813	3.084341959	3.597281832	3.155748659						WBCA_v1c0	9/30/2026	9/4/2026
Proj00018-3UG-ALT1	2.13541813	3.285553655	8.17420878	7.043881624						WBCA_v1c0	9/30/2026	9/4/2026
Proj00018-3UG-ALT1	2.13541813	3.084341959	3.183153511	2.747608216						WBCA_v1c0	9/30/2026	9/4/2026
Proj00024-3UG-PAS	3.136573781	4.377690293	-2.022652268	-1.027396238						WBCA_v1c0	9/30/2026	9/4/2026
Proj00024-3UG-UGAS	3.136573781	4.377690293	-2.022652268	-1.027396238						WBCA_v1c0	9/30/2026	9/4/2026
Proj00025-3UG-PAS	13.39119042	18.65634001	-9.066952029	-3.12379283						WBCA_v1c0	9/30/2026	9/4/2026
Proj00025-3UG-UGAS	13.39119042	18.65634001	-9.066952029	-3.12379283						WBCA_v1c0	9/30/2026	9/4/2026
Proj00026-3UG-PAS	10.10265487	14.08667413	-1.220749944	-0.397789715						WBCA_v1c0	9/30/2026	9/4/2026
Proj00026-3UG-UGAS	10.10265487	14.08667413	-1.220749944	-0.397789715						WBCA_v1c0	9/30/2026	9/4/2026
Proj00019-3UG-ALT1	9.114516424	13.08763604	4.841428139	4.108265371						WBCA_v1c0	9/30/2026	9/4/2026
Proj00019-3UG-ALT1	9.114516424	13.08763604	4.232320352	3.508830497						WBCA_v1c0	9/30/2026	9/4/2026
Proj00019-3UG-ALT1	9.114516424	13.81799225	11.74087184	9.937267817						WBCA_v1c0	9/30/2026	9/4/2026
Proj00027-3UG-PAS	3.232584798	4.512544289	-39.40805408	-25.68979482						WBCA_v1c0	9/30/2026	9/4/2026
Proj00027-3UG-UGAS	3.232584798	4.512544289	-39.40805408	-25.68979482						WBCA_v1c0	9/30/2026	9/4/2026
Proj00028-3UG-PAS	9.389385677	13.16391469	-12.34949434	-8.628485076						WBCA_v1c0	9/30/2026	9/4/2026

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

rru_id	total_project_costs	present_value_project_costs	benefit_cost_ratio_scaled	benefit_cost_ratio_unscaled	backcasted_total_mitigation_benefit	backcasted_present_value_project_costs	backcasted_benefit_cost_ratio	unit_cost_percentage_difference	bcr_percentage_difference	risk_model	reporting_date	calculated_date
Proj00015-3UG-UGAS	72.55690843	100.8544398	2.891367656	1.431199971	232.8128305	100.8544398	2.891367656			WBCA_v1c0	9/30/2026	9/4/2026
Proj00001-3UG-PAS	11.11909551	15.45556846	-17.94529502	-12.2467158						WBCA_v1c0	9/30/2026	9/4/2026
Proj00001-3UG-UGAS	11.11909551	15.45556846	-17.94529502	-12.2467158						WBCA_v1c0	9/30/2026	9/4/2026
Proj00020-3UG-ALT1	5.10948376	7.342840875	1.109751147	0.619218359						WBCA_v1c0	9/30/2026	9/4/2026
Proj00020-3UG-ALT1	5.10948376	7.342840875	1.198877226	0.701891985						WBCA_v1c0	9/30/2026	9/4/2026
Proj00020-3UG-ALT1	5.10948376	7.762389275	2.801145722	1.594291901						WBCA_v1c0	9/30/2026	9/4/2026
Proj00002-3UG-PAS	7.833396178	10.89085868	10.02249475	9.467479009						WBCA_v1c0	9/30/2026	9/4/2026
Proj00002-3UG-UGAS	7.833396178	10.89085868	10.02249475	9.467479009						WBCA_v1c0	9/30/2026	9/4/2026
Proj00003-3UG-PAS	35.24972526	48.99728187	8.123494488	6.430676908						WBCA_v1c0	9/30/2026	9/4/2026
Proj00003-3UG-UGAS	35.24972526	48.99728187	8.123494488	6.430676908						WBCA_v1c0	9/30/2026	9/4/2026
Proj00004-3UG-PAS	1,184458552	1,64702961	6,465067129	2,868165933						WBCA_v1c0	9/30/2026	9/4/2026
Proj00004-3UG-UGAS	1,184458552	1,64702961	6,465067129	2,868165933						WBCA_v1c0	9/30/2026	9/4/2026
Proj00021-3UG-ALT1	18.40311306	28.27907077	6.229886227	1.856860431						WBCA_v1c0	9/30/2026	9/4/2026
Proj00021-3UG-ALT1	18.40311306	26.56748589	2.452636601	0.729923584						WBCA_v1c0	9/30/2026	9/4/2026
Proj00021-3UG-ALT1	18.40311306	26.56748589	2.532956429	0.78698107						WBCA_v1c0	9/30/2026	9/4/2026
Proj00005-3UG-PAS	16.26162887	22.61234423	-7.067477065	-3.545642282						WBCA_v1c0	9/30/2026	9/4/2026
Proj00005-3UG-UGAS	16.26162887	22.61234423	-7.067477065	-3.545642282						WBCA_v1c0	9/30/2026	9/4/2026
Proj00006-3UG-PAS	2.675387792	3.744576081	15.22798722	11.99574346						WBCA_v1c0	9/30/2026	9/4/2026
Proj00015-3UG-UGAS	72.55690843	101.1716788	16.12256697	8.052845975						WBCA_v1c0	9/30/2026	9/4/2026
Proj00007-3UG-PAS	9.647967407	13.75806565	2.84860771	0.922546542						WBCA_v1c0	9/30/2026	9/4/2026
Proj00015-3UG-UGAS	72.55690843	100.8544398	3.139815258	1.630040303						WBCA_v1c0	9/30/2026	9/4/2026
Proj00022-3UG-ALT1	1.895642823	2.754666352	3.246511296	0.939780907						WBCA_v1c0	9/30/2026	9/4/2026
Proj00022-3UG-ALT1	1.895642823	2.754666352	3.155831581	0.879189615						WBCA_v1c0	9/30/2026	9/4/2026
Proj00022-3UG-ALT1	1.895642823	2.961015511	7.624128642	2.124648452						WBCA_v1c0	9/30/2026	9/4/2026
Proj00008-3UG-PAS	54.68847846	76.50668191	1.955236519	0.873162936						WBCA_v1c0	9/30/2026	9/4/2026
Proj00017-3UG-UGAS	11.44196146	15.90438389	9.094560259	8.186180101	84.59410089	15.90438389	9.094560259			WBCA_v1c0	9/30/2026	9/4/2026
Proj00009-3UG-PAS	26.95417444	37.48927309	5.04579302	3.618286408						WBCA_v1c0	9/30/2026	9/4/2026
Proj00017-3UG-UGAS	11.44196146	15.95441987	-99.84439285	-91.15186252						WBCA_v1c0	9/30/2026	9/4/2026
Proj00010-3UG-PAS	25.01096262	34.82266779	3.344732182	2.915105128						WBCA_v1c0	9/30/2026	9/4/2026
Proj00010-3UG-UGAS	23.95879763	33.30283999	3.260575045	2.837713987						WBCA_v1c0	9/30/2026	9/4/2026
Proj00023-3UG-ALT1	25.98878663	37.33752948	4.089940288	2.614017112						WBCA_v1c0	9/30/2026	9/4/2026
Proj00023-3UG-ALT1	25.98878663	37.33752948	3.733923117	2.277455876						WBCA_v1c0	9/30/2026	9/4/2026
Proj00023-3UG-ALT1	25.98878663	39.45325071	9.780632001	6.159938436						WBCA_v1c0	9/30/2026	9/4/2026
Proj00011-3UG-PAS	18.32549442	25.4725293	24.17115033	19.44047563						WBCA_v1c0	9/30/2026	9/4/2026
Proj00017-3UG-UGAS	11.44196146	15.90438389	10.74139047	9.766230383						WBCA_v1c0	9/30/2026	9/4/2026
Proj00012-3UG-PAS	18.06271794	25.17353863	4.940324909	3.442287502						WBCA_v1c0	9/30/2026	9/4/2026
Proj00018-3UG-UGAS	7.552998735	10.49864663	11.85560145	8.732568002	56.80169086	10.49864663	11.85560145			WBCA_v1c0	9/30/2026	9/4/2026
Proj00013-3UG-PAS	31.28407268	43.48758481	3.945705109	3.504633674						WBCA_v1c0	9/30/2026	9/4/2026
Proj00018-3UG-UGAS	7.552998735	10.53155798	-29.25145804	-21.54760103						WBCA_v1c0	9/30/2026	9/4/2026
Proj00024-3UG-ALT1	1.043130537	1.506261692	1.015505736	0.46835296						WBCA_v1c0	9/30/2026	9/4/2026
Proj00024-3UG-ALT1	1.043130537	1.506261692	0.958766664	0.419306776						WBCA_v1c0	9/30/2026	9/4/2026
Proj00024-3UG-ALT1	1.043130537	1.603870889	2.487021557	1.082400513						WBCA_v1c0	9/30/2026	9/4/2026
Proj00014-3UG-PAS	3.855438701	5.359077724	12.44878523	8.214946208						WBCA_v1c0	9/30/2026	9/4/2026
Proj00014-3UG-UGAS	3.855438701	5.359077724	12.44878523	8.214946208						WBCA_v1c0	9/30/2026	9/4/2026
Proj00015-3UG-PAS	76.62072935	106.6875045	3.24307669	1.680215018						WBCA_v1c0	9/30/2026	9/4/2026
Proj00018-3UG-UGAS	7.552998735	10.49864663	13.71473952	10.16620078						WBCA_v1c0	9/30/2026	9/4/2026
Proj00016-3UG-PAS	27.7324944	39.75066223	2.366819171	0.68407593						WBCA_v1c0	9/30/2026	9/4/2026
Proj00016-3UG-UGAS	5.691451911	7.912889524	1.561964811	0.445905431						WBCA_v1c0	9/30/2026	9/4/2026
Proj00025-3UG-ALT1	4.232445719	6.262953889	5.044327115	1.903547176						WBCA_v1c0	9/30/2026	9/4/2026
Proj00025-3UG-ALT1	4.232445719	6.019786995	2.02615663	0.758960456						WBCA_v1c0	9/30/2026	9/4/2026
Proj00025-3UG-ALT1	4.232445719	6.019786995	2.117774584	0.834035508						WBCA_v1c0	9/30/2026	9/4/2026
Proj00017-3UG-PAS	15.98552917	22.43202956	10.73408414	9.932491052						WBCA_v1c0	9/30/2026	9/4/2026
Proj00028-3UG-UGAS	8.810922194	12.24722611	145.7166783	101.8220438	81.56733831	12.24722611	145.7166783			WBCA_v1c0	9/30/2026	9/4/2026
Proj00018-3UG-PAS	7.552998735	10.49864663	13.71473952	10.16620078						WBCA_v1c0	9/30/2026	9/4/2026
Proj00028-3UG-UGAS	8.810922194	12.28575652	-11.54231753	-8.033044521						WBCA_v1c0	9/30/2026	9/4/2026
Proj00019-3UG-PAS	41.96670438	58.31708172	3.84210948	3.13831398						WBCA_v1c0	9/30/2026	9/4/2026
Proj00019-3UG-UGAS	41.96670438	58.31708172	3.84210948	3.13831398						WBCA_v1c0	9/30/2026	9/4/2026
Proj00026-3UG-ALT1	3.565438548	5.122388587	0.790173233	0.283976547						WBCA_v1c0	9/30/2026	9/4/2026
Proj00026-3UG-ALT1	3.565438548	5.412647202	1.960106895	0.70573411						WBCA_v1c0	9/30/2026	9/4/2026
Proj00026-3UG-ALT1	3.565438548	5.122388587	0.824010015	0.311079008						WBCA_v1c0	9/30/2026	9/4/2026
Proj00020-3UG-PAS	16.79582043	23.3462748	5.016266703	2.617006976						WBCA_v1c0	9/30/2026	9/4/2026
Proj00020-3UG-UGAS	16.79582043	23.3462748	5.016266703	2.617006976						WBCA_v1c0	9/30/2026	9/4/2026
Proj00021-3UG-PAS	57.79854983	80.37068228	2.969646704	0.960656128						WBCA_v1c0	9/30/2026	9/4/2026
Proj00021-3UG-UGAS	57.79854983	80.37068228	2.969646704	0.960656128						WBCA_v1c0	9/30/2026	9/4/2026
Proj00022-3UG-PAS	2.386401959	3.423236506	3.272274907	0.94271296						WBCA_v1c0	9/30/2026	9/4/2026
Proj00022-3UG-UGAS	0.710999796	0.988614377	3.362429152	0.95098588						WBCA_v1c0	9/30/2026	9/4/2026
Proj00027-3UG-ALT1	0.762842231	1.126530871	24.21774646	15.7382112						WBCA_v1c0	9/30/2026	9/4/2026
Proj00027-3UG-ALT1	0.762842231	1.126530871	22.18301033	13.81271148						WBCA_v1c0	9/30/2026	9/4/2026
Proj00027-3UG-ALT1	0.762842231	1.239551794	54.62090697	34.26425407						WBCA_v1c0	9/30/2026	9/4/2026
Proj00023-3UG-PAS	102.334973	142.2560713	4.247515763	2.558160805						WBCA_v1c0	9/30/2026	9/4/2026
Proj00023-3UG-UGAS	102.1822227	142.0338028	4.243879868	2.555404262						WBCA_v1c0	9/30/2026	9/4/2026
Proj00024-3UG-PAS	3.136573781	4.361234595	-46.48385471	-24.78496163						WBCA_v1c0	9/30/2026	9/4/2026
Proj00024-3UG-UGAS	3.136573781	4.361234595	-46.48385471	-24.78496163						WBCA_v1c0	9/30/2026	9/4/2026
Proj00025-3UG-PAS	13.39119042	18.60844454	2.743255877	0.989363489						WBCA_v1c0	9/30/2026	9/4/2026
Proj00025-3UG-UGAS	13.39119042	18.60844454	2.743255877	0.989363489						WBCA_v1c0	9/30/2026	9/4/2026
Proj00028-3UG-ALT1	3.365605717	5.109283879	6.934272153	5.593499454						WBCA_v1c0	9/30/2026	9/4/2026
Proj00028-3UG-ALT1	3.365605717	4.835293212	2.798120695	2.265397435						WBCA_v1c0	9/30/2026	9/4/2026
Proj00028-3UG-ALT1	3.365605717	4.835293212	3.131285157	2.591305095						WBCA_v1c0	9/30/2026	9/4/2026
Proj00026-3UG-PAS	10.10265487	14.04265853	21.87448417	7.487514564						WBCA_v1c0	9/30/2026	9/4/2026
Proj00026-3UG-UGAS	10.10265487	14.04265853	21.87448417	7.487514564						WBCA_v1c0	9/30/2026	9/4/2026
Proj00027-3UG-PAS	3.232584798	4.49501834	1871.124768	1246.210759						WBCA_v1c0	9/30/2026	9/4/2026
Proj00027-3UG-UGAS	3.232584798	4.49501834	1871.124768	1246.210759						WBCA_v1c0	9/30/2026	9/4/2026
Proj00028-3UG-PAS	9.389385677	13.07829214	69.4362038	49.11012598						WBCA_v1c0	9/30/2026	9/4/2026
Proj00028-3UG-UGAS	8.810922194	12.24722611	167.861127	118.1620237						WBCA_v1c0	9/30/2026	9/4/2026