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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SPD-37
Pacific Gas and Electric Company
Electrical Undergrounding Program
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rru_id	benefit_cost_ratio_scaled	benefit_cost_ratio_unscaled	backcasted_total_mitigation_benefit	backcasted_present_value_project_costs	backcasted_benefit_cost_ratio	unit_cost_percentage_difference	bcr_percentage_difference	risk_model	reporting_date	calculated_date
Proj00001-3UG-ALT1	3.382626698	2.172198699						WBCA_v1c0	10/30/2026	10/16/2026
Proj00001-3UG-ALT1	5.374957738	3.327677349						WBCA_v1c0	10/30/2026	10/16/2026
Proj00001-3UG-ALT1	3.120917891	1.925619367						WBCA_v1c0	10/30/2026	10/16/2026
Proj00001-3UG-PAS	-17.87607651	-12.19569106						WBCA_v1c0	10/30/2026	10/16/2026
Proj00001-3UG-PAS	-8.628000488	-5.833829331						WBCA_v1c0	10/30/2026	10/16/2026
Proj00001-3UG-PAS	-15.64126101	-10.57618225						WBCA_v1c0	10/30/2026	10/16/2026
Proj00001-3UG-UGAS	-17.87607651	-12.19569106	132.9105814	15.45556846	-17.87607651			WBCA_v1c0	10/30/2026	10/16/2026
Proj00001-3UG-UGAS	-8.628000488	-5.833829331	188.2182487	15.47207157	-8.628000488			WBCA_v1c0	10/30/2026	10/16/2026
Proj00001-3UG-UGAS	-15.64126101	-10.57618225	116.2944841	15.45556846	-15.64126101			WBCA_v1c0	10/30/2026	10/16/2026
Proj00002-3UG-ALT1	8.858891932	8.468899222						WBCA_v1c0	10/30/2026	10/16/2026
Proj00002-3UG-ALT1	12.07404556	11.47589278						WBCA_v1c0	10/30/2026	10/16/2026
Proj00002-3UG-ALT1	7.716106394	7.33134845						WBCA_v1c0	10/30/2026	10/16/2026
Proj00002-3UG-PAS	10.02249475	9.467479009						WBCA_v1c0	10/30/2026	10/16/2026
Proj00002-3UG-PAS	43.23257393	40.52304894						WBCA_v1c0	10/30/2026	10/16/2026
Proj00002-3UG-PAS	8.631804238	8.084943048						WBCA_v1c0	10/30/2026	10/16/2026
Proj00002-3UG-UGAS	10.02249475	9.467479009	53.03112106	10.89085868	10.02249475			WBCA_v1c0	10/30/2026	10/16/2026
Proj00002-3UG-UGAS	43.23257393	40.52304894	77.07430896	10.90411596	43.23257393			WBCA_v1c0	10/30/2026	10/16/2026
Proj00002-3UG-UGAS	8.631804238	8.084943048	45.672686	10.89085868	8.631804238			WBCA_v1c0	10/30/2026	10/16/2026
Proj00003-3UG-ALT1	4.476031543	3.962043717						WBCA_v1c0	10/30/2026	10/16/2026
Proj00003-3UG-ALT1	6.242564066	5.460985416						WBCA_v1c0	10/30/2026	10/16/2026
Proj00003-3UG-ALT1	3.922717172	3.415474088						WBCA_v1c0	10/30/2026	10/16/2026
Proj00003-3UG-PAS	8.123494488	6.430676908						WBCA_v1c0	10/30/2026	10/16/2026
Proj00003-3UG-PAS	53.38180705	42.04093713						WBCA_v1c0	10/30/2026	10/16/2026
Proj00003-3UG-PAS	7.017135363	5.48870456						WBCA_v1c0	10/30/2026	10/16/2026
Proj00003-3UG-UGAS	8.123494488	6.430676908	177.5998674	48.99728187	8.123494488			WBCA_v1c0	10/30/2026	10/16/2026
Proj00003-3UG-UGAS	53.38180705	42.04093713	258.8745883	49.04965544	53.38180705			WBCA_v1c0	10/30/2026	10/16/2026
Proj00003-3UG-UGAS	7.017135363	5.48870456	153.4120952	48.99728187	7.017135363			WBCA_v1c0	10/30/2026	10/16/2026
Proj00004-3UG-ALT1	4.753384682	2.226167112						WBCA_v1c0	10/30/2026	10/16/2026
Proj00004-3UG-ALT1	6.798240133	3.020129346						WBCA_v1c0	10/30/2026	10/16/2026
Proj00004-3UG-ALT1	4.505811197	2.011223234						WBCA_v1c0	10/30/2026	10/16/2026
Proj00004-3UG-PAS	6.465067129	2.868165933						WBCA_v1c0	10/30/2026	10/16/2026
Proj00004-3UG-PAS	141.7810266	59.36124038						WBCA_v1c0	10/30/2026	10/16/2026
Proj00004-3UG-PAS	6.120390026	2.577288994						WBCA_v1c0	10/30/2026	10/16/2026
Proj00004-3UG-UGAS	6.465067129	2.868165933	4.288551256	1.64702961	6.465067129			WBCA_v1c0	10/30/2026	10/16/2026
Proj00004-3UG-UGAS	141.7810266	59.36124038	6.645552173	1.649211831	141.7810266			WBCA_v1c0	10/30/2026	10/16/2026
Proj00004-3UG-UGAS	6.120390026	2.577288994	4.059912421	1.64702961	6.120390026			WBCA_v1c0	10/30/2026	10/16/2026
Proj00005-3UG-ALT1	0.566852243	0.228795945						WBCA_v1c0	10/30/2026	10/16/2026
Proj00005-3UG-ALT1	0.835588878	0.320907449						WBCA_v1c0	10/30/2026	10/16/2026
Proj00005-3UG-ALT1	0.541663251	0.20801896						WBCA_v1c0	10/30/2026	10/16/2026
Proj00005-3UG-PAS	-7.067477065	-3.545642282						WBCA_v1c0	10/30/2026	10/16/2026
Proj00005-3UG-PAS	-1.545734432	-0.743194947						WBCA_v1c0	10/30/2026	10/16/2026
Proj00005-3UG-PAS	-6.488484923	-3.125731318						WBCA_v1c0	10/30/2026	10/16/2026
Proj00005-3UG-UGAS	-7.067477065	-3.545642282	18.95904526	22.61234423	-7.067477065			WBCA_v1c0	10/30/2026	10/16/2026
Proj00005-3UG-UGAS	-1.545734432	-0.743194947	28.69019489	22.64230444	-1.545734432			WBCA_v1c0	10/30/2026	10/16/2026
Proj00005-3UG-UGAS	-6.488484923	-3.125731318	17.40585477	22.61234423	-6.488484923			WBCA_v1c0	10/30/2026	10/16/2026
Proj00006-3UG-ALT1	7.680943113	6.395957176						WBCA_v1c0	10/30/2026	10/16/2026
Proj00006-3UG-ALT1	10.63475459	8.671257895						WBCA_v1c0	10/30/2026	10/16/2026
Proj00006-3UG-ALT1	6.853172231	5.585093876						WBCA_v1c0	10/30/2026	10/16/2026
Proj00006-3UG-PAS	14.7728216	11.59450806						WBCA_v1c0	10/30/2026	10/16/2026
Proj00006-3UG-PAS	34.38238693	26.5848009						WBCA_v1c0	10/30/2026	10/16/2026
Proj00006-3UG-PAS	13.36882918	10.36024046						WBCA_v1c0	10/30/2026	10/16/2026
Proj00006-3UG-UGAS	14.45857348	11.08692372	19.63197458	2.467260175	14.45857348			WBCA_v1c0	10/30/2026	10/16/2026
Proj00006-3UG-UGAS	43.03852706	32.50820069	28.52156761	2.469897034	43.03852706			WBCA_v1c0	10/30/2026	10/16/2026
Proj00006-3UG-UGAS	12.65421061	9.550658816	17.18199526	2.467260175	12.65421061			WBCA_v1c0	10/30/2026	10/16/2026
Proj00007-3UG-ALT1	2.671073457	0.814057381						WBCA_v1c0	10/30/2026	10/16/2026
Proj00007-3UG-ALT1	4.119801477	1.19982261						WBCA_v1c0	10/30/2026	10/16/2026
Proj00007-3UG-ALT1	2.584471768	0.753861163						WBCA_v1c0	10/30/2026	10/16/2026
Proj00007-3UG-PAS	2.84860771	0.922546542						WBCA_v1c0	10/30/2026	10/16/2026
Proj00007-3UG-PAS	4.775209803	1.473319233						WBCA_v1c0	10/30/2026	10/16/2026
Proj00007-3UG-PAS	2.73777597	0.845953989						WBCA_v1c0	10/30/2026	10/16/2026
Proj00007-3UG-UGAS	3.351936617	1.231434111	10.79478867	4.550184704	3.351936617			WBCA_v1c0	10/30/2026	10/16/2026
Proj00007-3UG-UGAS	7.34924869	2.548903027	17.55772758	4.555049265	7.34924869			WBCA_v1c0	10/30/2026	10/16/2026
Proj00007-3UG-UGAS	3.171965373	1.108057805	10.21519789	4.550184704	3.171965373			WBCA_v1c0	10/30/2026	10/16/2026
Proj00008-3UG-ALT1	2.664742185	0.901825436						WBCA_v1c0	10/30/2026	10/16/2026
Proj00008-3UG-ALT1	3.872619719	1.263553364						WBCA_v1c0	10/30/2026	10/16/2026
Proj00008-3UG-ALT1	2.576447328	0.834454683						WBCA_v1c0	10/30/2026	10/16/2026
Proj00008-3UG-PAS	1.949770233	0.869253668						WBCA_v1c0	10/30/2026	10/16/2026
Proj00008-3UG-PAS	2.965101082	1.270430411						WBCA_v1c0	10/30/2026	10/16/2026
Proj00008-3UG-PAS	1.826962987	0.781289477						WBCA_v1c0	10/30/2026	10/16/2026
Proj00008-3UG-UGAS	1.735785556	0.831060777	103.2671201	63.40086652	1.735785556			WBCA_v1c0	10/30/2026	10/16/2026
Proj00008-3UG-UGAS	2.687591429	1.235927583	153.4697903	63.46863619	2.687591429			WBCA_v1c0	10/30/2026	10/16/2026
Proj00008-3UG-UGAS	1.605803325	0.738847794	95.53408497	63.40086652	1.605803325			WBCA_v1c0	10/30/2026	10/16/2026
Proj00009-3UG-ALT1	3.442275415	2.606060397						WBCA_v1c0	10/30/2026	10/16/2026
Proj00009-3UG-ALT1	4.954617904	3.674427711						WBCA_v1c0	10/30/2026	10/16/2026
Proj00009-3UG-ALT1	3.084711143	2.259181255						WBCA_v1c0	10/30/2026	10/16/2026
Proj00009-3UG-PAS	5.04007987	3.613260511						WBCA_v1c0	10/30/2026	10/16/2026
Proj00009-3UG-PAS	40.39738881	28.4796358						WBCA_v1c0	10/30/2026	10/16/2026
Proj00009-3UG-PAS	4.44797905	3.095373308						WBCA_v1c0	10/30/2026	10/16/2026
Proj00009-3UG-UGAS	4.965603674	3.555399496	79.49555797	36.96062319	4.965603674			WBCA_v1c0	10/30/2026	10/16/2026
Proj00009-3UG-UGAS	41.4535946	29.18740872	119.0624817	37.00013066	41.4535946			WBCA_v1c0	10/30/2026	10/16/2026
Proj00009-3UG-UGAS	4.37569315	3.040682773	70.0515368	36.96062319	4.37569315			WBCA_v1c0	10/30/2026	10/16/2026

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

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

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