Pacific Gas and Electric Company

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April 26, 2023 **BY ELECTRONIC COMMUNICATION**

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

Re: **Submission of PG&E's 2023-2025 Wildfire Mitigation Plan Non-Substantive Errata**

To Electric Safety Policy Division:

Pursuant to Section 4.3 2023-2025 Wildfire Mitigation Plan (WMP) Process and Evaluation Guidelines (the Process Guidelines), Pacific Gas and Electric Company (PG&E) hereby submits its Non-Substantive Errata for our 2023-2025 WMP.

The Errata changes identified herein include:

- Attachment 1: Table of identified errata including narrative updates and corrections, figure and title corrections, etc.
- Attachment 2: Updated Table 7-4: Summary of Risk Reduction for Top Risk Circuit Segments (in its entirety)
- Attachment 3: Table 9-2: List of Frequently De-Energized Circuits (in its entirety)
- A revised 2023-2025 WMP Excel Attachment '2023-04-06_PGE_2023_WMP_R2_Section 6.4.2_Atch01' will be uploaded to the Docket

The corrections noted above were identified during our review of the 2023-2025 WMP as well as during the discovery process. We appreciate Energy Safety's review of our errata for the 2023-2025 WMP. Please let us know if you need any additional materials or clarifications.

Sincerely

_____/S/_____

Jay Leyno
Director, Community Wildfire Safety Program
Attachments: 3 (plus on updated R2 attachment; separate excel

Attachment 1

Errata to Pacific Gas and Electric Company's 2023 Wildfire Mitigation Plan

	Issue	Location of Issue	Adjustment(s) Made
1	Clarified VMOM description	1) Executive Summary, Pg. 5 2) 7.2.1 Overview of Mitigation Initiative and Activities, document, Pg. 270 3) 8.2.2.2.3 VM for Operational Mitigations, Pg. 527	Existing sentence: "EPSS-enabled devices vegetation outages extent of condition inspections may generate additional tree work." does not make sense. Replace with "Vegetation outage extent of condition inspections conducted on EPSS-enabled devices may generate additional tree work."
2	Incorrect Figure Titles - Inverted	Section 6.2.2.2 Consequence: - Figure 6.2.2-6, Pg. 166 - Figure PG&E 6.2.2-7, Pg. 167	Titles for FIGURE PG&E-6.2.2-7 and FIGURE PG&E-6.2.2-6 – Figure titles switched so that the title is associated with the correct figure.
3	Figure error	Figure 7.1.4-2, Pg. 259	Change: Figure updated to show that 'DCD' will be implemented on "3 wire", not "4 wire"
4	PG&E used an incorrect and outdated effectiveness value for covered conductor when calculating values in Table 7-4.[1]	Section 7.2.2.3 Projected Risk Reduction on Highest-Risk Circuits Over the 3-Year WMP Cycle, TABLE 7-4: SUMMARY OF RISK REDUCTION FOR TOP RISK CIRCUIT SEGMENTS, Pg. 308	1) Table 7-4 in the WMP; replace entire table in narrative 2) Attachment 2023-04-06_PGE_2023_WMP_R2_Section 6.4.2_Atch01; replaced the existing attachment with R2 that uses the correct effectiveness value for covered conductor. 3) Updated the reference to the 6.4.2 attachment in Appendix G from "R1" to "R2."

[1] The changes to the mitigation effectiveness resulted in minor changes to the report risk reduction values but does not change PG&E's approach to wildfire mitigation.

	Issue	Location of Issue	Adjustment(s) Made
5	Quarterly targets incorrectly stated after internal approval prior to the 2023-2025 WMP pre-submission. *Annual Target was not impacted.*	AI-07 Q2, Q3 target unit update; Table 8-4, Pg. 334	From: Q2 Units # ~~123,699~~ Distribution Poles - To: Q2 Units: 30,000 From: Q3 Units # ~~193,699~~ Distribution Poles - To: Q2 Units: 72,532
6	Incorrect citation	Section 8.1.2.2, Pg. 347	Change reference of Critical Issue RN-PG&E-22-04 to Critical Issue RN-PG&E-22-03.
7	Typographical error	Section 8.1.3.2.7 Pilot Inspections, Pg. 407 & 408	page 407: While we are not setting a target in this area, we will attempt to complete up to 38,500 inspections by drone in the HFTD/HFRA, page 408: We will attempt an aerial inspection for all of the Extreme and Severe plat maps and half some of the High consequence plat maps as well, inspecting up to ~~37,000~~ 38,500 structures.
8	Remove "random" / "randomized" language from various sections related to QA/QC	Section 8.1.6.1 Quality Assurance, Pg. 443 Section 8.2.5.1 Quality Assurance and Quality Verification, Pg. 550 Section 8.2.5.2 Quality Control, Pg. 552	Section 8.1.6.1 - QV uses a statistically valid ~~random~~ sample of QC complete locations. Sample sizes are based on completed QC work. QV audits will be ongoing so long as QC is operational. Section 8.2.5.1 - Sample sizes are determined using a 95 percent confidence level, 5 percent margin of error sampling calculation. QVVM samples will be sourced from completed work verification inspection locations ~~randomized~~ systemwide. Section 8.2.5.2 - Minimum sample sizes are determined using a 99 percent confidence level, 5

	Issue	Location of Issue	Adjustment(s) Made
			percent margin of error sampling calculation. QCWV samples will be sourced from completed Vegetation Management work locations ~~randomized~~ systemwide.
9	Updated Record of Evidence for accuracy	Section 8.4 Emergency Preparedness; Sub-section 8.4.1.1 Objectives - Table 8-33 Emergency Preparedness Initiative Objectives (3-Year Plan) Pg. 626 - Table 8-34 Emergency Preparedness Initiative Objectives (10-Year Plan) Pg. 627	Remove "Check-in/check-out records or After-Action Review (AAR) items" as record of evidence for EP-02/EP-03/EP-04/EP-05 Update ROE for EP-04/EP-05 to "new annexes being developed" Update ROE for EP-02/EP-03 to "publish the report per GO-166"
10	Citation Adjustment	Section 8.4 Emergency Preparedness; Sub-section 8.4.1.1 Objectives - Table 8-33 Emergency Preparedness Initiative Objectives (3-Year Plan) Pg. 626 - Table 8-34 Emergency Preparedness Initiative Objectives (10-Year Plan) Pg. 627	Update to say 'Standard 1 'to 'Standard 1.A' for clarification
11	Frequently De-Energized Circuits Table (PSPS table) [2]	Appendix F, Table 9-2: LIST OF FREQUENTLY DE-ENERGIZED CIRCUITS, Pg. 1323 Section 9.1.2 Identification of Frequently De-Energized Circuits, Table 9-2	Updated the, "Number of Customers Served by Circuit (as of 12/1/22)" based on an update to the PSPS Guidance and fixed a formula error in the Transmission PSPS Protocols. Changes are primarily reflected in the column, "Measures Taken, or Planned to be Taken, to Reduce the need for

[2] The updates to Table 9.2, List of Frequently De-Energized Circuits, does not change PG&E's approach to wildfire mitigation.

	Issue	Location of Issue	Adjustment(s) Made
		sample in narrative, Pg. 752-753 Appendix F, Table 9-2: LIST OF FREQUENTLY DE-ENERGIZED CIRCUITS, Pg. 1323	and Impact of Future PSPS of Circuit." Pg. 752 – Replaced Table 9-2 with the updated information provided in Appendix F, Table 9-2[3]
12	Minor wording change	ACI PG&E-22-35, Pg. 972	We concluded that none of the ~~2022~~ mitigation initiatives described in this analysis will completely eliminate any event.

[3] Please reference Attachment 3 in this errata filing for the update to Table 9-2

Attachment 2

TABLE 7-4: SUMMARY OF RISK REDUCTION FOR TOP RISK CIRCUIT SEGMENTS

TABLE 7-4:
SUMMARY OF RISK REDUCTION FOR TOP RISK CIRCUIT SEGMENTS

Circuit Segment ID	Wildfire Mean Risk Score	HFTD Miles	Total Overall Risk Score(a)	Jan 1, 2023 Overall Risk(b)	Jan. 1, 2023 – Dec. 31, 2023 Mitigation Initiatives	Jan. 1, 2024 Overall Risk	Jan. 1, 2024 – Dec. 31, 2024 Mitigation Initiatives	Jan. 1, 2025 Overall Risk	Jan. 1, 2025 – Dec. 31, 2025 Mitigation Initiatives(c)	Jan. 1, 2026 Overall Risk
INDIAN FLAT 1104CB	0.0393	13.80	118.47	41.46	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog	41.38	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog Pole Backlog	38.78	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog Pole Backlog Undergrounding in 2026	38.57
BONNIE NOOK 1101CB	0.0295	17.80	91.28	35.51	EPSS Veg Mgmt. (Annual & Second Patrol) Expulsion Fuse Replacement Aerial Inspection Ground Inspection Non-Pole Backlog Pole Backlog	33.99	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog Tree Removal Pole Backlog	33.61	EPSS Veg Mgmt. (Annual & Second Patrol) Undergrounding Aerial Inspection Ground Inspection Non-Pole Backlog Line Removal Pole Backlog	18.68
ALLEGHANY 1102CB	0.0240	18.91	88.61	32.68	EPSS Veg Mgmt. (Annual & Second Patrol) Surge Arrestor Replacement Aerial Inspection Non-Pole Backlog Line Removal Pole Backlog	30.64	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog Pole Backlog	30.26	EPSS Veg Mgmt. (Annual & Second Patrol) Undergrounding Aerial Inspection Ground Inspection Non-Pole Backlog Pole Backlog	22.09
OAK HURST 110310140	0.0288	18.76	88.41	31.42	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog Tree Removal DCD Line Sensors Pilot Pole Backlog	29.97	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog Pole Backlog	29.41	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog Pole Backlog	29.41

TABLE 7-4:
SUMMARY OF RISK REDUCTION FOR TOP RISK CIRCUIT SEGMENTS

(CONTINUED)

Circuit Segment ID	Wildfire Mean Risk Score	HFTD Miles	Total Overall Risk Score(a)	Jan 1, 2023 Overall Risk(b)	Jan. 1, 2023 – Dec. 31, 2023 Mitigation Initiatives	Jan. 1, 2024 Overall Risk	Jan. 1, 2024 – Dec. 31, 2024 Mitigation Initiatives	Jan. 1, 2025 Overall Risk	Jan. 1, 2025 – Dec. 31, 2025 Mitigation Initiatives(c)	Jan. 1, 2026 Overall Risk
HIGHLANDS 1102628	0.0261	15.78	75.58	23.83	EPSS Veg Mgmt. (Annual & Second Patrol) Undergrounding Overhead Hardening Aerial Inspection Ground Inspection Non-Pole Backlog DCD Line Removal Pole Backlog	11.69	EPSS Veg Mgmt. (Annual & Second Patrol) Surge Arrestor Replacement Aerial Inspection Ground Inspection Non-Pole Backlog Line Removal Pole Backlog	< 1	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Line Removal	< 1
UPPER LAKE 11011276	0.0250	12.29	67.22	23.53	EPSS Veg Mgmt. (Annual & Second Patrol) Undergrounding Overhead Hardening Ground Inspection Non-Pole Backlog Pole Backlog	14.08	EPSS Veg Mgmt. (Annual & Second Patrol) Surge Arrestor Replacement Aerial Inspection Non-Pole Backlog Tree Removal Pole Backlog	13.19	EPSS Veg Mgmt. (Annual & Second Patrol) Undergrounding Overhead Hardening Ground Inspection Non-Pole Backlog Pole Backlog	4.61
MIDDLETOWN 110148212	0.0352	9.83	58.82	15.17	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Undergrounding Overhead Hardening	11.65	EPSS Veg Mgmt. (Annual & Second Patrol) Ground Inspection Undergrounding Overhead Hardening Tree Removal Surge Arrestor Replacement	5.54	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Overhead Hardening	<1
APPLE HILL 21026552	0.0258	13.02	57.11	20.87	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog DCD Pole Backlog	20.14	EPSS Veg Mgmt. (Annual & Second Patrol) Undergrounding Aerial Inspection Ground Inspection Non-Pole Backlog Tree Removal Pole Backlog	5.01	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog Pole Backlog	4.97
NOTRE DAME 11042028	0.0245	11.39	50.10	17.90	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection	17.56	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection	17.28	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection	17.26

TABLE 7-4:
SUMMARY OF RISK REDUCTION FOR TOP RISK CIRCUIT SEGMENTS

(CONTINUED)

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					Non-Pole Backlog DCD		Non-Pole Backlog Pole Backlog		Non-Pole Backlog Pole Backlog Undergrounding in 2026	
CLAYTON 221296224	0.0341	10.18	47.28	16.85	EPSS Veg Mgmt. (Annual & Second Patrol) Undergrounding Expulsion Fuse Replacement Aerial Inspection Ground Inspection Non-Pole Backlog Line Sensor Pilot Pole Backlog	14.53	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog Pole Backlog	14.22	EPSS Veg Mgmt. (Annual & Second Patrol) Overhead Hardening Aerial Inspection Ground Inspection Tree Removal Pole Backlog Undergrounding in 2026	12.50
ANTLER 11011384	0.0387	10.34	46.88	16.70	EPSS Veg Mgmt. (Annual & Second Patrol) Ground Inspection Non-Pole Backlog DCD Line Sensor Pilot Pole Backlog	16.23	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Non-Pole Backlog	16.00	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Undergrounding in 2026	16.00
MONTICELLO 1101654	0.0268	8.30	43.06	15.70	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection	15.70	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog DCD	15.54	EPSS Aerial Inspection Ground Inspection Non-Pole Backlog Pole Backlog	14.93
BALCH NO 1 1101105414	0.0313	7.47	42.19	14.78	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog DCD Pole Backlog	13.90	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Pole Backlog	13.90	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Pole Backlog	13.89
CURTIS 170356972	0.0250	8.42	41.10	14.49	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog	13.71	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection	13.71	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Undergrounding in 2026	13.71

TABLE 7-4:
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(CONTINUED)

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MONTICELLO 1101630	0.0396	4.94	41.08	14.96	EPSS Veg Mgmt. (Annual & Second Patrol) Expulsion Fuse Replacement Aerial Inspection Ground Inspection Non-Pole Backlog	14.36	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog DCD Pole Backlog	13.80	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection	13.80
PINE GROVE 1101CB	0.0473	5.05	32.00	11.89	EPSS Veg Mgmt. (Annual & Second Patrol) Ground Inspection Non-Pole Backlog Pole Backlog	11.63	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Non-Pole Backlog Pole Backlog	11.25	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog Pole Backlog Undergrounding in 2026	11.21
BUCKS CREEK 1101CB	0.0292	4.81	28.51	9.98	EPSS Veg Mgmt. (Annual & Second Patrol) Undergrounding Overhead Hardening	5.42	EPSS Veg Mgmt. (Annual & Second Patrol)	5.42	EPSS Veg Mgmt. (Annual & Second Patrol)	5.42
SILVERADO 2104646776	0.0343	5.69	26.59	11.69	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog Pole Backlog	11.32	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog	11.27	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Undergrounding in 2026	11.27
CALISTOGA 1102131531	0.0272	5.04	26.03	9.55	EPSS Veg Mgmt. (Annual & Second Patrol) Expulsion Fuse Replacement Non-Pole Backlog Pole Backlog Existing REFCL Circuit	9.02	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection	9.02	EPSS Veg Mgmt. (Annual & Second Patrol) Ground Inspection Non-Pole Backlog Tree Removal Pole Backlog	8.85
APPLE HILL 1104CB	0.0260	5.65	16.86	6.60	EPSS Veg Mgmt. (Annual & Second Patrol) Ground Inspection Non-Pole Backlog Line Sensor Pilot Pole Backlog	6.28	EPSS Veg Mgmt. (Annual & Second Patrol) Undergrounding Aerial Inspection Non-Pole Backlog Pole Backlog	2.39	EPSS Veg Mgmt. (Annual & Second Patrol) Ground Inspection Non-Pole Backlog	2.39

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(CONTINUED)

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MIDDLETOWN 1101171414	0.0245	3.59	16.55	5.81	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Non-Pole Backlog DCD Pole Backlog	5.49	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog	5.48	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog Pole Backlog Undergrounding in 2026	5.47
ELECTRA 1102CB	0.0264	2.60	13.93	4.88	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection	4.88	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog	4.52	EPSS Aerial Inspection Ground Inspection Pole Backlog	4.52
ORO FINO 1102CB	0.0317	2.73	12.60	4.56	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Non-Pole Backlog Pole Backlog	4.44	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog Pole Backlog	4.31	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Undergrounding in 2026	4.31
FRENCH GULCH 1101CB	0.0250	2.71	12.22	4.50	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Non-Pole Backlog Pole Backlog	4.20	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection	4.20	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection	4.20
PARADISE 1103283794	0.0278	2.55	12.12	4.52	EPSS Veg Mgmt. (Annual & Second Patrol)	4.52	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Undergrounding (Butte)	4.52	EPSS Veg Mgmt. (Annual & Second Patrol) Ground Inspection	4.52
PARADISE 11061212	0.0270	2.37	12.04	6.21	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection	6.21	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection Undergrounding (Butte)	6.21	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection	6.21
CRESTA 1101103126	0.0240	0.87	4.95	1.76	EPSS Veg Mgmt. (Annual & Second Patrol)	1.76	EPSS Veg Mgmt. (Annual & Second Patrol)	1.68	EPSS Veg Mgmt. (Annual & Second Patrol)	1.68

TABLE 7-4:
SUMMARY OF RISK REDUCTION FOR TOP RISK CIRCUIT SEGMENTS

(CONTINUED)

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					DCD Existing Overhead Hardened Circuit		Ground Inspection Non-Pole Backlog		Aerial Inspection	
CRESTA 1101546650	0.0259	0.90	4.36	1.53	EPSS Veg Mgmt. (Annual & Second Patrol) DCD Existing Overhead Hardened Circuit	1.53	EPSS Veg Mgmt. (Annual & Second Patrol) Ground Inspection Non-Pole Backlog	1.43	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection	1.43
MONTICELLO 1101CB	0.0305	0.54	3.06	1.07	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Non-Pole Backlog	1.03	EPSS Veg Mgmt. (Annual & Second Patrol) Ground Inspection Non-Pole Backlog Pole Backlog	1.00	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection	1.00
TIGER CREEK 0201CB	0.0409	0.40	2.30	0.81	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection	0.81	EPSS Veg Mgmt. (Annual & Second Patrol) Undergrounding Ground Inspection Pole Backlog	<0.1	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection	<0.1
INDIAN FLAT 11044440	0.0386	0.24	1.74	0.61	EPSS Veg Mgmt. (Annual & Second Patrol) Circuit Segment is Associated with INDIAN FLAT 1104CB	0.61	EPSS Veg Mgmt. (Annual & Second Patrol) Circuit Segment is Associated with INDIAN FLAT 1104CB	0.61	EPSS Veg Mgmt. (Annual & Second Patrol) Undergrounding in 2026 with INDIAN FLAT 1104CB	0.61
CALPINE 1144304	0.0684	0.05	1.71	0.61	Privately Owned Line	0.61	Privately Owned Line	0.61	Privately Owned Line	0.61
APPLE HILL 2102CB	0.0901	0.17	1.43	0.53	EPSS Veg Mgmt. (Annual & Second Patrol) Ground Inspection Non-Pole Backlog	0.51	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Undergrounding with APPLE HILL 210236878(d)	0.51	EPSS Veg Mgmt. (Annual & Second Patrol) Ground Inspection	0.51
MIDDLETOWN 1103CB	0.0270	0.05	1.09	0.38	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Undergrounding in 2022 with MIDDLETOWN 11018494, MIDDLETOWN 1103830	0.38	EPSS Veg Mgmt. (Annual & Second Patrol) Ground Inspection	0.38	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection	0.38

TABLE 7-4:
SUMMARY OF RISK REDUCTION FOR TOP RISK CIRCUIT SEGMENTS

(CONTINUED)

Circuit Segment ID	Wildfire Mean Risk Score	HFTD Miles	Total Overall Risk Score(a)	Jan 1, 2023 Overall Risk(b)	Jan. 1, 2023 – Dec. 31, 2023 Mitigation Initiatives	Jan. 1, 2024 Overall Risk	Jan. 1, 2024 – Dec. 31, 2024 Mitigation Initiatives	Jan. 1, 2025 Overall Risk	Jan. 1, 2025 – Dec. 31, 2025 Mitigation Initiatives(c)	Jan. 1, 2026 Overall Risk
PLACERVILLE 210658118	0.1047	0.11	0.90	0.32	EPSS Veg Mgmt. (Annual & Second Patrol) Ground Inspection	0.32	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Veg Mgmt. (Annual & Second Patrol) Undergrounding with PLACERVILLE 210611132	0.32	EPSS Veg Mgmt. (Annual & Second Patrol) Ground Inspection	0.32
BALCH NO 1 1101CB	0.0533	0.01	0.82	0.29	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection	0.29	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection	0.29	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Ground Inspection	0.29
ALLEGHANY 11021101/2	0.0661	0.01	0.34	0.12	EPSS Veg Mgmt. (Annual & Second Patrol)	0.12	EPSS Veg Mgmt. (Annual & Second Patrol) Ground Inspection	0.12	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Undergrounding with ALLEGHANY 1102CB	0.12
CALPINE 1144962	0.0244	0.04	0.21	0.07	Privately Owned Line	0.07	Privately Owned Line	0.07	Privately Owned Line	0.07
CAMP EVERS 2105BL 2101	0.0449	0.00	0.09	0.03	EPSS Veg Mgmt. (Annual & Second Patrol) Interconnected with BEN LOMOND 1104BL, BEN LOMOND 0401CB and BURNS 2101BL at substation	0.03	EPSS Veg Mgmt. (Annual & Second Patrol) Ground Inspection Interconnected with BEN LOMOND 1104BL, BEN LOMOND 0401CB and BURNS 2101BL at substation	0.03	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Interconnected with BEN LOMOND 1104BL, BEN LOMOND 0401CB and BURNS 2101BL at substation	0.03
MARIPOSA 2101929360	0.0334	0.07	0.09	0.03	EPSS Veg Mgmt. (Annual & Second Patrol) Previously Overhead Hardened with MARIPOSA 2101241564	0.03	EPSS Veg Mgmt. (Annual & Second Patrol) Ground Inspection Previously Overhead Hardened with MARIPOSA 2101241564	0.03	EPSS Veg Mgmt. (Annual & Second Patrol) Aerial Inspection Previously Overhead Hardened with MARIPOSA 2101241564	0.03

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Note: Circuit segments are selected from highest to lowest mean wildfire or ignition risk and sorted by total overall utility risk. Based on that ranking, PG&E identifies 41 circuit segments that fall within the top 5 percent of risk.

Excludes the risk reduction associated with EPSS.

Accounts for risk reduction associated with EPSS.

Projected 2026 underground miles are listed for awareness only. They are not factored into the Jan. 1, 2026 Overall Risk value as risk reduction benefits do not occur until Jan. 1, 2027.

TABLE 7-4:
SUMMARY OF RISK REDUCTION FOR TOP RISK CIRCUIT SEGMENTS

(CONTINUED)

Circuit Segment ID	Wildfire Mean Risk Score	HFTD Miles	Total Overall Risk Score(a)	Jan 1, 2023 Overall Risk(b)	Jan. 1, 2023 – Dec. 31, 2023 Mitigation Initiatives	Jan. 1, 2024 Overall Risk	Jan. 1, 2024 – Dec. 31, 2024 Mitigation Initiatives	Jan. 1, 2025 Overall Risk	Jan. 1, 2025 – Dec. 31, 2025 Mitigation Initiatives(c)	Jan. 1, 2026 Overall Risk
Where undergrounding work is associated with a different circuit segment we do not calculate risk reduction for the “original” circuit segment. For example, APPLE HILL 2102CB undergrounding is associated with circuit segment APPLE HILL 210236878 and the risk reduction is calculated only for APPLE HILL 210236878.										

Attachment 3

TABLE 9-2: LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
1	152101101	ALLEGHANY 1101	Dx	SIERRA	10/9/2019	1,036	1,043	● 1 Sectionalizing device added or replaced ● Temporary Generation deployed that benefited 994 customers
					10/23/2019		1,038	
					10/26/2019		1,037	
					9/7/2020		1,028	
					9/27/2020		1,032	
					10/14/2020		957	
					10/25/2020		1,033	
2	152101102	ALLEGHANY 1102	Dx	NEVADA	10/9/2019	151	151	● 0.4 miles of overhead hardening completed ● Planned underground hardening
					10/23/2019		151	
					10/26/2019		152	
					9/7/2020		151	
					9/27/2020		153	
					10/25/2020		153	
3	163561101	ALPINE 1101	Dx	ALPINE	10/9/2019	278	278	● 553 customer-events mitigated by PSPS protocols
					10/23/2019		278	
					10/26/2019		277	
					9/7/2020		276	
					9/27/2020		278	
					10/25/2020		278	
4	163561102	ALPINE 1102	Dx	ALPINE	10/9/2019	306	303	● 596 customer-events mitigated by PSPS protocols
					10/23/2019		303	
					10/26/2019		304	
					9/7/2020		303	
					9/27/2020		303	
					10/25/2020		304	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
5	103261103	ANDERSON 1103	Dx	SHASTA	10/9/2019	895	886	● 3 Sectionalizing devices added or replaced ● Planned overhead hardening ● Planned underground hardening ● 2492 customer-events mitigated by PSPS protocols
					10/26/2019		886	
					11/20/2019		436	
					10/21/2020		437	
					10/25/2020		438	
					8/17/2021		68	
					10/11/2021		68	
6	42861101	ANNAPOLIS 1101	Dx	SONOMA	10/9/2019	223	219	● 445 customer-events mitigated by PSPS protocols
					10/23/2019		9	
					10/26/2019		218	
					10/25/2020		222	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
7	153661103	APPLE HILL 1103	Dx	EL DORADO	10/14/2018	1,269	1,258	● 1148 customer-events mitigated by PSPS protocols
					10/9/2019		1,256	
					10/23/2019		1,256	
					10/26/2019		1,256	
					9/7/2020		1,260	
					9/27/2020		1,261	
					10/25/2020		1,266	
8	153661104	APPLE HILL 1104	Dx	EL DORADO	10/14/2018	2,427	2,192	● 1.16 miles of overhead hardening completed ● Planned underground hardening ● 1752 customer-events mitigated by PSPS protocols
					10/9/2019		2,424	
					10/23/2019		2,425	
					10/26/2019		2,205	
					9/7/2020		2,413	
					9/27/2020		2,425	
					10/25/2020		2,428	
9	153662102	APPLE HILL 2102	Dx	EL DORADO	10/14/2018	4,634	4,373	● 1.3 miles of overhead hardening completed ● Planned underground hardening ● 3148 customer-events mitigated by PSPS protocols
					10/9/2019		4,382	
					10/23/2019		4,384	
					10/26/2019		4,379	
					9/7/2020		4,375	
					9/27/2020		4,386	
					10/25/2020		4,397	
10	62081101	ARBUCKLE 1101	Dx	COLUSA	10/25/2020	595	3	● 1 Sectionalizing device added or replaced
					8/17/2021		3	
					9/20/2021		3	
					10/11/2021		3	
11	62081104	ARBUCKLE 1104	Dx	COLUSA	10/9/2019	1,142	1,135	● 1129 customer-events mitigated by PSPS protocols
					10/26/2019		13	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					11/20/2019		13	
					10/25/2020		13	
					8/17/2021		12	
					9/20/2021		13	
					10/11/2021		12	
12	103191101	BANGOR 1101	Dx	YUBA	6/8/2019	1,966	2,290	● 10 Sectionalizing devices added or replaced ● 0.2 miles of overhead hardening completed ● 5217 customer-events mitigated by PSPS protocols
					9/23/2019		2,299	
					9/25/2019		2,299	
					10/9/2019		2,299	
					10/23/2019		2,297	
					10/26/2019		2,299	
					9/7/2020		291	
					9/27/2020		391	
					10/14/2020		110	
					10/25/2020		2,136	
13	152701107	BELL 1107	Dx	PLACER	10/9/2019	1,498	1,420	● 2 Sectionalizing devices added or replaced ● 2251 customer-events mitigated by PSPS protocols
					10/23/2019		833	
					10/26/2019		855	
14	152701108	BELL 1108	Dx	PLACER	10/9/2019	3,418	3,618	● 2 Sectionalizing devices added or replaced ● Planned overhead hardening ● Planned underground hardening ● 6111 customer-events mitigated by PSPS protocols
					10/23/2019		725	
					10/26/2019		1,859	
					10/25/2020		1,559	
15	103751101	BIG BEND 1101	Dx	BUTTE	9/23/2019	279	190	● 0.09 miles of overhead hardening completed
					9/25/2019		190	
					10/5/2019		191	
					10/9/2019		191	
					10/23/2019		192	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					10/26/2019		192	
					9/7/2020		234	
					9/27/2020		237	
					10/14/2020		237	
					10/21/2020		239	
					10/25/2020		239	
					8/17/2021		259	
					10/11/2021		264	
16	103751102	BIG BEND 1102	Dx	BUTTE	9/23/2019	156	368	● 0.4 miles of overhead hardening completed ● Planned overhead hardening ● 22 line miles undergrounded ● Planned underground hardening ● 1658 customer-events mitigated by PSPS protocols
					9/25/2019		368	
					10/5/2019		368	
					10/9/2019		368	
					10/23/2019		366	
					10/26/2019		366	
					9/7/2020		318	
					9/27/2020		9	
					10/14/2020		80	
					10/21/2020		80	
					10/25/2020		81	
17	152301101	BONNIE NOOK 1101	Dx	PLACER	10/14/2018	347	493	● Planned underground hardening ● 785 customer-events mitigated by PSPS protocols
					10/9/2019		496	
					10/23/2019		496	
					10/26/2019		496	
					9/7/2020		486	
					9/27/2020		490	
					10/25/2020		489	
18	152301102	BONNIE NOOK 1102	Dx	PLACER	10/14/2018	525	518	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					10/9/2019		520	● Planned underground hardening ● 341 customer-events mitigated by PSPS protocols
					10/23/2019		522	
					10/26/2019		522	
					9/7/2020		521	
					9/27/2020		522	
					10/25/2020		522	
19	192461102	BRIDGEVILLE 1102	Dx	HUMBOLDT	10/9/2019	251	263	● 1 Sectionalizing device added or replaced ● 1048 customer-events mitigated by PSPS protocols
					10/26/2019		264	
					9/7/2020		262	
					10/14/2020		39	
					10/25/2020		269	
20	152921101	BROWNS VALLEY 1101	Dx	YUBA	9/23/2019	592	565	● 2380 customer-events mitigated by PSPS protocols
					9/25/2019		565	
					10/9/2019		570	
					10/23/2019		569	
					10/26/2019		569	
					10/25/2020		116	
21	152481102	BRUNSWICK 1102	Dx	NEVADA	9/25/2019	1,393	1,379	● Planned overhead hardening ● Planned underground hardening ● 5732 customer-events mitigated by PSPS protocols ● Temporary Generation deployed
					10/9/2019		1,380	
					10/23/2019		1,378	
					10/26/2019		1,378	
					9/7/2020		1,378	
					9/27/2020		328	
					10/25/2020		1,381	
22	152481103	BRUNSWICK 1103	Dx	NEVADA	10/9/2019	3,454	3,199	● 7 Sectionalizing devices added or replaced ● 2 MSO device replaced ● 29.2 miles of overhead hardening completed
					10/23/2019		3,197	
					10/26/2019		3,198	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					9/7/2020		3,177	● 0.1 line miles undergrounded ● 9059 customer-events mitigated by PSPS protocols ● Temporary Generation deployed that benefited 4185 customers
					10/25/2020		3,198	
23	152481104	BRUNSWICK 1104	Dx	NEVADA	10/9/2019	2,523	2,522	● 1 Sectionalizing device added or replaced ● 7541 customer-events mitigated by PSPS protocols ● Temporary Generation deployed that benefited 4184 customers
					10/23/2019		2,520	
					10/26/2019		2,521	
					9/7/2020		2,508	
					10/25/2020		2,520	
24	152481105	BRUNSWICK 1105	Dx	NEVADA	9/25/2019	3,585	3,400	● 1 Sectionalizing device added or replaced ● 3 MSO device replaced ● 4.77 miles of overhead hardening completed ● 15713 customer-events mitigated by PSPS protocols ● Temporary Generation deployed that benefited 4184 customers
					10/9/2019		3,666	
					10/23/2019		3,665	
					10/26/2019		3,666	
					9/7/2020		3,675	
					9/27/2020		1,831	
					10/25/2020		3,687	
25	152481106	BRUNSWICK 1106	Dx	NEVADA	9/25/2019	4,124	4,475	● 2.6 miles of overhead hardening completed ● 0.2 line miles undergrounded ● Planned underground hardening ● 18553 customer-events mitigated by PSPS protocols ● Temporary Generation deployed
					10/9/2019		4,475	
					10/23/2019		4,473	
					10/26/2019		4,474	
					9/7/2020		4,480	
					9/27/2020		360	
					10/25/2020		4,498	
26	152481107	BRUNSWICK 1107	Dx	NEVADA	10/9/2019	2,703	2,442	● 1 Sectionalizing device added or replaced ● 1 MSO device replaced ● 7678 customer-events mitigated by PSPS protocols ● Temporary Generation
					10/23/2019		2,659	
					10/26/2019		2,657	
					9/7/2020		2,650	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					10/25/2020		2,672	deployed that benefited 4184 customers
27	152481110	BRUNSWICK 1110	Dx	NEVADA	10/9/2019	3,118	3,307	● 2 Sectionalizing devices added or replaced ● 0.03 line miles undergrounded ● 9577 customer-events mitigated by PSPS protocols ● Temporary Generation deployed that benefited 4184 customers
					10/23/2019		3,309	
					10/26/2019		3,074	
					9/7/2020		3,048	
					10/25/2020		3,075	
28	102211101	BUCKS CREEK 1101	Dx	PLUMAS	9/25/2019	Circuit not longer active	3	● 4.11 miles of overhead hardening completed ● Planned overhead hardening ● Planned underground hardening ● 35 customer-events mitigated by PSPS protocols
					10/5/2019		4	
					10/9/2019		4	
					10/26/2019		4	
					9/7/2020		4	
					9/27/2020		4	
					10/14/2020		4	
					10/21/2020		4	
					10/25/2020		4	
29	102211102	BUCKS CREEK 1102	Dx	PLUMAS	10/9/2019	0	124	● Planned underground hardening ● 725 customer-events mitigated by PSPS protocols
					10/26/2019		123	
					9/7/2020		120	
					9/27/2020		120	
					10/21/2020		119	
					10/25/2020		119	
30	102211103	BUCKS CREEK 1103	Dx	PLUMAS	10/9/2019	322	313	● Planned overhead hardening
					10/26/2019		314	
					9/7/2020		311	
					9/27/2020		314	
					10/21/2020		310	
					10/25/2020		311	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					8/17/2021		316	
					10/11/2021		314	
31	103081105	BUTTE 1105	Dx	BUTTE	6/8/2019	1,093	190	● 5 Sectionalizing devices added or replaced ● 0.26 miles of overhead hardening completed ● 1850 customer-events mitigated by PSPS protocols
					9/25/2019		228	
					10/5/2019		230	
					10/9/2019		1,022	
					10/23/2019		230	
					10/26/2019		230	
					9/7/2020		266	
					9/27/2020		271	
					10/14/2020		244	
					10/21/2020		103	
					10/25/2020		175	
					8/17/2021		53	
32	162211101	CALAVERAS CEMENT 1101	Dx	CALAVERAS	10/9/2019	3,374	3,289	● 6804 customer-events mitigated by PSPS protocols
					10/23/2019		750	
					10/26/2019		3,292	
					10/25/2020		1,159	
33	42711101	CALISTOGA 1101	Dx	NAPA	10/14/2018	1,632	1,543	● 6 Sectionalizing devices added or replaced ● 1.26 miles of overhead hardening completed ● Planned underground hardening ● 6759 customer-events mitigated by PSPS protocols ● Temporary Generation deployed that benefited 1576 customers
					9/25/2019		1,077	
					10/9/2019		1,566	
					10/23/2019		1,551	
					10/26/2019		1,551	
					11/20/2019		1,548	
					9/7/2020		1,549	
					9/27/2020		173	
					10/14/2020		1,224	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					10/25/2020		1,219	
					8/17/2021		1,603	
					10/11/2021		88	
34	42711102	CALISTOGA 1102	Dx	NAPA	10/14/2018	2,073	2,073	● 6 Sectionalizing devices added or replaced ● 1 MSO device replaced ● 0.1 miles of overhead hardening completed ● 9612 customer-events mitigated by PSPS protocols ● Temporary Generation deployed that benefited 1580 customers
					10/9/2019		2,117	
					10/23/2019		2,116	
					10/26/2019		2,115	
					11/20/2019		2,113	
					9/7/2020		919	
					10/14/2020		608	
					10/25/2020		753	
					8/17/2021		2,076	
35	255451102	CALWATER 1102	Dx	KERN	10/9/2019	2,485	2,357	● 1 Sectionalizing device added or replaced ● 2435 customer-events mitigated by PSPS protocols
					10/23/2019		13	
					10/26/2019		13	
					9/7/2020		13	
					12/3/2020		13	
					1/18/2021		13	
					10/14/2021		13	
36	103321101	CEDAR CREEK 1101	Dx	SHASTA	10/9/2019	708	733	Please see footnote.
					10/26/2019		732	
					11/20/2019		490	
					9/7/2020		731	
					10/14/2020		731	
					10/21/2020		733	
					10/25/2020		733	
					8/17/2021		721	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
37	103201101	CHALLENGE 1101	Dx	PLUMAS	10/9/2019	671	672	● 635 customer-events mitigated by PSPS protocols
					10/23/2019		670	
					10/26/2019		671	
					9/7/2020		668	
					9/27/2020		666	
					10/14/2020		669	
					10/25/2020		669	
38	103201102	CHALLENGE 1102	Dx	YUBA	9/23/2019	829	819	● 1837 customer-events mitigated by PSPS protocols
					9/25/2019		817	
					10/9/2019		821	
					10/23/2019		822	
					10/26/2019		822	
					9/7/2020		827	
					9/27/2020		826	
					10/14/2020		404	
					10/25/2020		829	
39	103091101	CLARK ROAD 1101	Dx	BUTTE	6/8/2019	14	13	● 87 customer-events mitigated by PSPS protocols
					9/25/2019		14	
					10/5/2019		15	
					10/9/2019		15	
					10/23/2019		15	
					10/26/2019		15	
40	103091102	CLARK ROAD 1102	Dx	BUTTE	6/8/2019	1,128	1,039	● 4 Sectionalizing devices added or replaced ● 0.05 miles of overhead hardening completed ● Planned underground hardening
					9/25/2019		1,056	
					10/5/2019		1,053	
					10/9/2019		1,055	
					10/23/2019		1,056	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					10/26/2019		1,054	● 2164 customer-events mitigated by PSPS protocols
					9/7/2020		1,093	
					9/27/2020		663	
					10/14/2020		839	
					10/21/2020		838	
					10/25/2020		672	
					8/17/2021		490	
					10/11/2021		480	
41	42821102	CLOVERDALE 1102	Dx	SONOMA	10/9/2019	2,537	2,543	● 4 Sectionalizing devices added or replaced ● 2 MSO device replaced ● 1 MSO device installations or replacement planned ● 2914 customer-events mitigated by PSPS protocols
					10/23/2019		919	
					10/26/2019		2,527	
					11/20/2019		15	
					10/14/2020		39	
					10/25/2020		252	
					8/17/2021		70	
					10/11/2021		38	
42	152471101	COLUMBIA HILL 1101	Dx	NEVADA	10/9/2019	1,128	1,121	● 0.3 miles of overhead hardening completed ● 4311 customer-events mitigated by PSPS protocols
					10/23/2019		1,121	
					10/26/2019		976	
					9/7/2020		1,126	
					9/27/2020		229	
					10/14/2020		18	
					10/25/2020		1,126	
43	103331101	CORNING 1101	Dx	TEHAMA	10/9/2019	2,079	884	● 1 Sectionalizing device added or replaced
					10/26/2019		881	
					10/25/2020		822	
					8/17/2021		840	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					9/20/2021		841	
					10/11/2021		895	
44	103331102	CORNING 1102	Dx	TEHAMA	10/9/2019	1,604	293	● 1 Sectionalizing device added or replaced ● Planned underground hardening ● Temporary Generation deployed that benefited 1 customer
					10/26/2019		294	
					10/21/2020		291	
					10/25/2020		292	
					8/17/2021		286	
					9/20/2021		291	
					10/11/2021		292	
45	63121101	CORTINA 1101	Dx	COLUSA	10/9/2019	315	311	● 2 Sectionalizing devices added or replaced ● 319 customer-events mitigated by PSPS protocols ● Temporary Generation deployed that benefited 1 customer
					10/26/2019		8	
					11/20/2019		8	
					10/25/2020		8	
					8/17/2021		8	
					9/20/2021		8	
					10/11/2021		8	
46	102931103	COTTONWOOD 1103	Dx	TEHAMA	10/9/2019	2,754	2,473	● 4 Sectionalizing devices added or replaced ● 2706 customer-events mitigated by PSPS protocols
					10/26/2019		2,704	
					11/20/2019		1,490	
					10/25/2020		2,419	
					8/17/2021		2,435	
					10/11/2021		683	
47	103351101	DESCHUTES 1101	Dx	SHASTA	10/9/2019	1,168	1,160	● 2917 customer-events mitigated by PSPS protocols
					10/26/2019		1,162	
					11/20/2019		904	
					9/7/2020		24	
					9/27/2020		170	

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LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
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Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					10/14/2020		295	
					10/21/2020		1,168	
					10/25/2020		1,171	
					8/17/2021		253	
					10/11/2021		74	
48	103351104	DESCHUTES 1104	Dx	SHASTA	10/9/2019	2,143	2,360	● 7 Sectionalizing devices added or replaced ● 37.1 miles of overhead hardening completed ● Planned overhead hardening ● 0.2 line miles undergrounded ● Planned underground hardening ● 2716 customer-events mitigated by PSPS protocols
					10/26/2019		2,362	
					11/20/2019		491	
					10/21/2020		2,366	
					10/25/2020		2,372	
					8/17/2021		389	
					10/11/2021		88	
49	152261103	DIAMOND SPRINGS 1103	Dx	EL DORADO	10/14/2018	2,442	2,182	● 4 Sectionalizing devices added or replaced ● 4454 customer-events mitigated by PSPS protocols
					10/9/2019		1,464	
					10/23/2019		1,496	
					10/26/2019		1,995	
					9/27/2020		677	
					10/25/2020		1,495	
50	152261104	DIAMOND SPRINGS 1104	Dx	EL DORADO	10/14/2018	1,010	1,001	● 1 MSO device replaced ● 1088 customer-events mitigated by PSPS protocols
					10/9/2019		583	
					10/23/2019		466	
					10/26/2019		586	
					10/25/2020		463	
51	152261105	DIAMOND SPRINGS 1105	Dx	EL DORADO	10/9/2019	2,480	2,460	● 0.4 miles of overhead hardening completed ● 7360 customer-events mitigated by PSPS protocols
					10/23/2019		2,459	
					10/26/2019		2,459	
					10/25/2020		2,464	

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Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
52	152261106	DIAMOND SPRINGS 1106	Dx	EL DORADO	10/9/2019	3,172	2,334	● 6 Sectionalizing devices added or replaced ● 0.1 miles of overhead hardening completed ● 1.3 line miles undergrounded ● 8762 customer-events mitigated by PSPS protocols
					10/23/2019		2,337	
					10/26/2019		2,336	
					9/7/2020		68	
					9/27/2020		1,678	
					10/25/2020		2,349	
53	152261107	DIAMOND SPRINGS 1107	Dx	EL DORADO	10/14/2018	1,799	1,795	● 4 Sectionalizing devices added or replaced ● 7.4 miles of overhead hardening completed ● 1 line miles undergrounded ● Planned underground hardening ● 3964 customer-events mitigated by PSPS protocols
					10/9/2019		1,294	
					10/23/2019		1,294	
					10/26/2019		1,294	
					10/25/2020		1,286	
54	153741101	DOBBINS 1101	Dx	YUBA	9/23/2019	867	847	● 1 Sectionalizing device added or replaced ● 715 customer-events mitigated by PSPS protocols
					9/25/2019		846	
					10/9/2019		846	
					10/23/2019		845	
					10/26/2019		845	
					9/7/2020		857	
					9/27/2020		478	
					10/14/2020		668	
					10/25/2020		861	
55	152321101	DRUM 1101	Dx	PLACER	10/9/2019	193	191	● 179 customer-events mitigated by PSPS protocols
					10/23/2019		191	
					10/26/2019		191	
					9/7/2020		188	
					9/27/2020		191	
					10/25/2020		192	
56	43071101	DUNBAR 1101	Dx	SONOMA	10/9/2019	2,351	3,205	

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Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					10/23/2019		2,649	
					10/26/2019		3,213	● 11 Sectionalizing devices added or replaced ● 0.4 miles of overhead hardening completed ● Planned underground hardening ● 10952 customer-events mitigated by PSPS protocols
					11/20/2019		136	
					9/7/2020		2,528	
					10/14/2020		201	
					10/25/2020		3,191	
					8/17/2021		131	
57	43071103	DUNBAR 1103	Dx	SONOMA	10/9/2019	3,210	2,340	● 11 Sectionalizing devices added or replaced
					10/23/2019		291	
					10/26/2019		2,339	
					11/20/2019		148	
					9/7/2020		272	
					10/14/2020		308	
					10/25/2020		946	
					8/17/2021		253	
58	152762101	EL DORADO PH 2101	Dx	EL DORADO	10/14/2018	3,811	4,096	● 1 MSO device replaced ● 45 miles of overhead hardening completed ● Planned overhead hardening ● 12.8 line miles undergrounded ● Planned underground hardening ● 9843 customer-events mitigated by PSPS protocols
					10/9/2019		4,543	
					10/23/2019		4,560	
					10/26/2019		4,539	
					9/7/2020		4,552	
					9/27/2020		4,570	
					10/14/2020		438	
					10/25/2020		4,572	
59	152762102	EL DORADO PH 2102	Dx	EL DORADO	10/14/2018	1,607	1,592	● 14.7 miles of overhead hardening completed ● Planned underground hardening ● 1778 customer-events mitigated by PSPS protocols
					10/9/2019		1,592	
					10/23/2019		1,592	
					10/26/2019		1,593	

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Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					9/7/2020		1,581	
					9/27/2020		1,587	
					10/25/2020		1,599	
60	162161101	ELECTRA 1101	Dx	AMADOR	10/9/2019	1,883	1,879	● 4 Sectionalizing devices added or replaced ● Planned underground hardening ● 1990 customer-events mitigated by PSPS protocols
					10/23/2019		1,878	
					10/26/2019		1,879	
					10/25/2020		1,342	
61	42751113	FITCH MOUNTAIN 1113	Dx	SONOMA	10/9/2019	2,241	2,314	● 4 Sectionalizing devices added or replaced ● 5.1 miles of overhead hardening completed ● 5686 customer-events mitigated by PSPS protocols
					10/23/2019		545	
					10/26/2019		2,314	
					10/25/2020		568	
62	152181101	FORESTHILL 1101	Dx	PLACER	10/14/2018	2,246	2,198	● Planned underground hardening ● 2083 customer-events mitigated by PSPS protocols
					9/25/2019		2,210	
					10/9/2019		2,213	
					10/23/2019		2,214	
					10/26/2019		2,212	
					9/7/2020		2,206	
					9/27/2020		2,219	
					10/25/2020		2,220	
63	152181102	FORESTHILL 1102	Dx	PLACER	10/14/2018	425	417	● 407 customer-events mitigated by PSPS protocols
					9/25/2019		421	
					10/9/2019		420	
					10/23/2019		421	
					10/26/2019		421	
					9/7/2020		420	
					9/27/2020		421	
					10/25/2020		421	

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Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
64	192321122	FORT SEWARD 1122	Dx	HUMBOLDT	10/9/2019	89	91	● 1 Sectionalizing device added or replaced ● 318 customer-events mitigated by PSPS protocols
					10/26/2019		91	
					9/7/2020		89	
					10/14/2020		47	
					10/25/2020		89	
65	163451701	FROGTOWN 1701	Dx	CALAVERAS	10/9/2019	1,986	1,914	● 0.6 miles of overhead hardening completed ● 6137 customer-events mitigated by PSPS protocols
					10/23/2019		1,740	
					10/26/2019		1,916	
					9/7/2020		1,251	
					10/25/2020		1,926	
66	42561102	FULTON 1102	Dx	SONOMA	10/9/2019	2,250	942	● 2 Sectionalizing devices added or replaced ● 2 MSO device replaced ● 1 MSO device installations or replacement planned ● 2089 customer-events mitigated by PSPS protocols
					10/23/2019		861	
					10/26/2019		578	
					10/25/2020		315	
67	42561107	FULTON 1107	Dx	SONOMA	9/25/2019	3,134	168	● 2 Sectionalizing devices added or replaced ● 1 MSO device replaced ● 4.2 miles of overhead hardening completed ● 2.4 line miles undergrounded ● 2895 customer-events mitigated by PSPS protocols
					10/9/2019		843	
					10/23/2019		736	
					10/26/2019		848	
					11/20/2019		378	
					10/25/2020		372	
68	42891101	GEYSERVILLE 1101	Dx	SONOMA	10/9/2019	1,438	1,445	● 4 Sectionalizing devices added or replaced ● 1 MSO device replaced ● Planned underground hardening ● 4119 customer-events mitigated by PSPS protocols
					10/23/2019		1,113	
					10/26/2019		1,446	
					10/25/2020		89	
					8/17/2021		26	
69	42891102	GEYSERVILLE 1102	Dx	SONOMA	10/9/2019	1,142	1,173	● 15 Sectionalizing devices added or replaced ● 909 customer-events mitigated
					10/23/2019		787	

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Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					10/26/2019		396	by PSPS protocols ● Temporary Generation deployed that benefited 2 customers
					10/14/2020		57	
					10/25/2020		535	
					8/17/2021		297	
					10/11/2021		28	
70	103401101	GIRVAN 1101	Dx	SHASTA	10/9/2019	1,219	1,264	Please see footnote.
					10/26/2019		1,264	
					11/20/2019		1,266	
					10/21/2020		1,173	
					10/25/2020		1,187	
					8/17/2021		1,207	
					10/11/2021		1,090	
71	102601101	GLENN 1101	Dx	GLENN	10/9/2019	1,778	47	● 99 customer-events mitigated by PSPS protocols
					10/26/2019		47	
					11/20/2019		5	
					10/25/2020		5	
					8/17/2021		5	
					9/20/2021		5	
					10/11/2021		5	
72	152031101	GRASS VALLEY 1101	Dx	NEVADA	10/9/2019	797	745	● 2 Sectionalizing devices added or replaced ● 160 customer-events mitigated by PSPS protocols
					10/23/2019		746	
					10/26/2019		726	
					10/25/2020		331	
73	152031103	GRASS VALLEY 1103	Dx	NEVADA	10/9/2019	1,459	1,451	● 1425 customer-events mitigated by PSPS protocols
					10/23/2019		1,449	
					10/26/2019		1,448	
					10/25/2020		1,446	

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Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
74	24101103	HALF MOON BAY 1103	Dx	SAN MATEO	10/9/2019	4,856	4,863	● 10 Sectionalizing devices added or replaced ● Planned overhead hardening ● 2.5 line miles undergrounded ● Planned underground hardening ● 11702 customer-events mitigated by PSPS protocols
					10/23/2019		651	
					10/26/2019		4,866	
					10/14/2020		730	
					10/25/2020		1,936	
75	152241101	HALSEY 1101	Dx	PLACER	10/9/2019	2,347	2,257	● 0.54 miles of overhead hardening completed ● 6123 customer-events mitigated by PSPS protocols
					10/23/2019		1,671	
					10/26/2019		2,259	
					10/25/2020		2,283	
76	152241102	HALSEY 1102	Dx	PLACER	10/9/2019	1,889	2,057	● 7 Sectionalizing devices added or replaced ● 5157 customer-events mitigated by PSPS protocols
					10/23/2019		873	
					10/26/2019		2,058	
					10/25/2020		2,059	
77	152691103	HIGGINS 1103	Dx	NEVADA	10/9/2019	2,823	1,931	● 1 Sectionalizing device added or replaced ● 3006 customer-events mitigated by PSPS protocols
					10/23/2019		1,934	
					10/26/2019		1,935	
					10/25/2020		1,914	
78	152691104	HIGGINS 1104	Dx	NEVADA	10/9/2019	3,074	2,706	● 6431 customer-events mitigated by PSPS protocols
					10/23/2019		2,707	
					10/26/2019		2,699	
					10/25/2020		2,709	
79	152691107	HIGGINS 1107	Dx	NEVADA	10/9/2019	1,694	1,678	● 5023 customer-events mitigated by PSPS protocols
					10/23/2019		1,678	
					10/26/2019		1,678	
					10/25/2020		1,685	
80	152691109	HIGGINS 1109	Dx	NEVADA	10/9/2019	1,057	1,613	● 1 Sectionalizing device added or replaced ● 0.1 line miles undergrounded
					10/23/2019		1,617	

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Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					10/26/2019		1,616	● 5415 customer-events mitigated by PSPS protocols
					10/25/2020		1,609	
81	152691110	HIGGINS 1110	Dx	NEVADA	10/9/2019	1,371	1,357	● 3 Sectionalizing devices added or replaced ● 1.63 miles of overhead hardening completed ● 3673 customer-events mitigated by PSPS protocols
					10/23/2019		1,358	
					10/26/2019		1,358	
					10/25/2020		972	
82	43361102	HIGHLANDS 1102	Dx	LAKE	10/14/2018	3,386	22	● 6 Sectionalizing devices added or replaced ● 1.5 miles of overhead hardening completed ● Planned overhead hardening ● Planned underground hardening
					10/9/2019		3,391	
					10/26/2019		3,395	
					11/20/2019		3,399	
					10/25/2020		24	
					8/17/2021		10	
					10/11/2021		15	
83	43361103	HIGHLANDS 1103	Dx	LAKE	10/9/2019	2,387	2,416	● 2 Sectionalizing devices added or replaced ● 5171 customer-events mitigated by PSPS protocols ● Temporary Generation deployed that benefited 1 customer
					10/26/2019		2,418	
					11/20/2019		2,426	
					10/14/2020		52	
					10/25/2020		1,926	
					8/17/2021		1,325	
					9/20/2021		51	
					10/11/2021		1,032	
84	43361104	HIGHLANDS 1104	Dx	LAKE	10/9/2019	2,742	2,718	● Planned underground hardening ● 4853 customer-events mitigated by PSPS protocols ● Temporary Generation deployed that benefited 4 customers
					10/26/2019		2,714	
					11/20/2019		2,710	
					10/25/2020		23	
85	42251101	HOPLAND 1101	Dx	MENDOCINO	10/9/2019	1,255	1,245	● 2747 customer-events mitigated by PSPS protocols
					10/23/2019		162	

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Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					10/26/2019		1,246	
					11/20/2019		162	
					10/25/2020		58	
86	103441101	JESSUP 1101	Dx	SHASTA	10/9/2019	1,953	1,941	● 4 Sectionalizing devices added or replaced
					10/26/2019		1,946	
					11/20/2019		1,710	
					10/21/2020		1,527	
					10/25/2020		1,526	
					8/17/2021		1,459	
87	103441102	JESSUP 1102	Dx	SHASTA	10/9/2019	2,260	2,232	● 3 Sectionalizing devices added or replaced ● Planned underground hardening
					10/26/2019		2,236	
					11/20/2019		1,520	
					10/21/2020		1,487	
					10/25/2020		1,549	
					8/17/2021		1,504	
					10/11/2021		199	
88	103441103	JESSUP 1103	Dx	SHASTA	10/9/2019	1,581	1,560	● 2 Sectionalizing devices added or replaced ● Planned overhead hardening ● Planned underground hardening ● 2803 customer-events mitigated by PSPS protocols
					10/26/2019		1,561	
					11/20/2019		360	
					10/21/2020		145	
					10/25/2020		159	
					8/17/2021		113	
89	103221101	KANAKA 1101	Dx	BUTTE	9/23/2019	468	609	● 7.7 miles of overhead hardening completed ● Planned overhead hardening ● 2.9 line miles undergrounded ● Planned underground hardening
					9/25/2019		609	
					10/5/2019		609	
					10/9/2019		609	
					10/23/2019		607	

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Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					10/26/2019		604	● 1087 customer-events mitigated by PSPS protocols
					11/20/2019		41	
					9/7/2020		581	
					10/14/2020		354	
					10/25/2020		367	
					10/11/2021		9	
90	253911102	LAMONT 1102	Dx	KERN	10/9/2019	456	5	● 1 MSO device replaced ● 15 customer-events mitigated by PSPS protocols
					10/23/2019		5	
					10/26/2019		5	
					9/7/2020		5	
					12/3/2020		5	
					1/18/2021		5	
					10/11/2021		5	
91	153701104	LINCOLN 1104	Dx	PLACER	10/9/2019	1,307	1,240	● 2 Sectionalizing devices added or replaced ● 1 MSO device replaced ● Planned overhead hardening ● Planned underground hardening ● 2129 customer-events mitigated by PSPS protocols
					10/23/2019		217	
					10/26/2019		672	
92	103142102	LOGAN CREEK 2102	Dx	GLENN	10/9/2019	1,372	1,369	● 1 Sectionalizing device added or replaced ● 1349 customer-events mitigated by PSPS protocols
					10/26/2019		9	
					11/20/2019		9	
					10/25/2020		9	
					8/17/2021		8	
					10/11/2021		8	
93	192411101	LOW GAP 1101	Dx	TRINITY	10/9/2019	607	693	● 1 Sectionalizing device added or replaced ● 347 customer-events mitigated by PSPS protocols
					10/26/2019		692	
					9/7/2020		700	

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					10/14/2020		225	
					10/25/2020		670	
94	43351103	LUCERNE 1103	Dx	LAKE	10/9/2019	2,116	2,108	● 2 Sectionalizing devices added or replaced ● Planned overhead hardening
					10/23/2019		1	
					10/26/2019		2,111	
					10/25/2020		2,128	
95	63172101	MADISON 2101	Dx	YOLO	10/9/2019	1,971	1,943	● 10 Sectionalizing devices added or replaced ● 3 MSO device replaced ● 1 MSO device installations or replacement planned ● 3589 customer-events mitigated by PSPS protocols
					10/26/2019		1,944	
					11/20/2019		341	
					10/14/2020		10	
					10/21/2020		10	
					10/25/2020		10	
					8/17/2021		222	
					9/20/2021		10	
					10/11/2021		242	
96	163011101	MARTELL 1101	Dx	AMADOR	10/9/2019	2,254	2,234	● 10 Sectionalizing devices added or replaced ● 0.13 miles of overhead hardening completed ● 0.5 line miles undergrounded ● 4936 customer-events mitigated by PSPS protocols
					10/23/2019		634	
					10/26/2019		2,236	
					10/25/2020		475	
97	62881105	MAXWELL 1105	Dx	COLUSA	10/9/2019	798	43	● 59 customer-events mitigated by PSPS protocols
					10/26/2019		43	
					10/25/2020		44	
					8/17/2021		44	
					9/20/2021		44	
					10/11/2021		44	
98	43141101	MIDDLETOWN 1101	Dx	LAKE	10/14/2018	1,981	1,862	● 8 Sectionalizing devices added or replaced ● 14.1 miles of overhead
					10/9/2019		1,905	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					10/23/2019		1,339	hardening completed ● Planned overhead hardening ● 3.2 line miles undergrounded ● Planned underground hardening ● 3803 customer-events mitigated by PSPS protocols ● Temporary Generation deployed that benefited 1 customer
					10/26/2019		1,917	
					11/20/2019		1,907	
					9/7/2020		82	
					9/27/2020		113	
					10/14/2020		54	
					10/25/2020		1,936	
					8/17/2021		1,216	
					10/11/2021		487	
99	43141102	MIDDLETOWN 1102	Dx	LAKE	10/14/2018	2,331	2,293	● 1 Sectionalizing device added or replaced ● 1.1 miles of overhead hardening completed ● Planned overhead hardening ● 0.6 line miles undergrounded ● Planned underground hardening ● 3539 customer-events mitigated by PSPS protocols ● Temporary Generation deployed that benefited 6 customers
					10/9/2019		2,298	
					10/26/2019		2,296	
					11/20/2019		1,817	
					10/25/2020		2,313	
					8/17/2021		691	
					10/11/2021		2,301	
100	43141103	MIDDLETOWN 1103	Dx	LAKE	10/14/2018	142	146	● 7 miles of overhead hardening completed ● Planned overhead hardening ● 6.9 line miles undergrounded ● Planned underground hardening ● 434 customer-events mitigated by PSPS protocols
					10/9/2019		145	
					10/26/2019		145	
					11/20/2019		145	
					10/25/2020		143	
					10/11/2021		5	
101	43302103	MONROE 2103	Dx	SONOMA	10/9/2019	4,206	202	● 1 Sectionalizing device added or replaced
					10/23/2019		10	
					10/26/2019		10	
102	43302107	MONROE 2107	Dx	SONOMA	10/9/2019	2,651	2,634	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					10/23/2019		106	● 1 Sectionalizing device added or replaced ● 2828 customer-events mitigated by PSPS protocols
					10/26/2019		106	
103	43051101	MONTICELLO 1101	Dx	NAPA	6/8/2019	1,163	1,330	● 2 Sectionalizing devices added or replaced
					9/25/2019		18	
					10/9/2019		1,331	
					10/23/2019		28	
					10/26/2019		1,324	
					11/20/2019		1,334	
					10/14/2020		444	
					10/25/2020		1,100	
					8/17/2021		932	
					9/20/2021		8	
					10/11/2021		1,133	
104	152282101	MOUNTAIN QUARRIES 2101	Dx	EL DORADO	10/14/2018	3,632	595	● 1.8 miles of overhead hardening completed ● Planned overhead hardening ● 3.3 line miles undergrounded ● Planned underground hardening ● 9152 customer-events mitigated by PSPS protocols
					10/9/2019		3,613	
					10/23/2019		2,447	
					10/26/2019		3,498	
					9/7/2020		1,774	
					9/27/2020		282	
					10/25/2020		3,613	
105	153132101	NARROWS 2101	Dx	YUBA	9/23/2019	518	503	● 1609 customer-events mitigated by PSPS protocols
					9/25/2019		503	
					10/9/2019		504	
					10/23/2019		504	
					10/26/2019		504	
					10/25/2020		264	
106	153132102	NARROWS 2102	Dx	NEVADA	9/23/2019	3,412	3,392	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					9/25/2019		3,392	
					10/9/2019		3,387	● Planned underground hardening ● 16928 customer-events mitigated by PSPS protocols
					10/23/2019		3,388	
					10/26/2019		3,387	
					10/25/2020		3,395	
107	153132105	NARROWS 2105	Dx	NEVADA	9/23/2019	3,963	3,904	● 19450 customer-events mitigated by PSPS protocols
					9/25/2019		3,904	
					10/9/2019		3,903	
					10/23/2019		3,901	
					10/26/2019		3,901	
					10/25/2020		3,913	
108	102041104	NOTRE DAME 1104	Dx	BUTTE	6/8/2019	2,555	223	● 1 Sectionalizing device added or replaced ● Planned underground hardening ● 4148 customer-events mitigated by PSPS protocols
					9/25/2019		217	
					10/5/2019		303	
					10/9/2019		2,265	
					10/23/2019		217	
					10/26/2019		217	
					9/7/2020		226	
					9/27/2020		221	
					10/14/2020		218	
					10/25/2020		211	
109	163541102	OLETA 1102	Dx	AMADOR	10/14/2018	1,092	49	● 3 Sectionalizing devices added or replaced ● 2614 customer-events mitigated by PSPS protocols
					10/9/2019		1,056	
					10/23/2019		500	
					10/26/2019		1,058	
110	103521103	OREGON TRAIL 1103	Dx	SHASTA	10/9/2019	1,757	1,706	● 21.5 miles of overhead hardening completed ● Planned overhead hardening
					10/26/2019		1,708	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					11/20/2019		138	● 7.7 line miles undergrounded ● Planned underground hardening
					10/14/2020		236	
					10/21/2020		1,734	
					10/25/2020		1,735	
					8/17/2021		1,130	
111	103521104	OREGON TRAIL 1104	Dx	SHASTA	10/9/2019	1,222	958	Please see footnote.
					10/26/2019		960	
					11/20/2019		67	
					10/21/2020		952	
					10/25/2020		956	
					8/17/2021		325	
112	103031101	ORO FINO 1101	Dx	BUTTE	6/8/2019	1,829	2,281	● Planned underground hardening ● 13248 customer-events mitigated by PSPS protocols
					9/25/2019		2,277	
					10/5/2019		2,277	
					10/9/2019		2,277	
					10/23/2019		2,279	
					10/26/2019		2,280	
					9/7/2020		2,275	
					9/27/2020		2,287	
					10/14/2020		2,290	
					10/21/2020		2,294	
					10/25/2020		2,284	
					8/17/2021		2,290	
113	103031102	ORO FINO 1102	Dx	BUTTE	6/8/2019	1,966	1,950	● 1 Sectionalizing device added or replaced ● Planned underground hardening ● 11165 customer-events mitigated by PSPS protocols
					9/25/2019		1,952	
					10/5/2019		1,948	
					10/9/2019		1,949	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					10/23/2019		1,951	
					10/26/2019		1,950	
					9/7/2020		1,968	
					9/27/2020		1,971	
					10/14/2020		1,975	
					10/21/2020		1,974	
					10/25/2020		1,974	
					8/17/2021		1,185	
114	102521104	OROVILLE 1104	Dx	BUTTE	6/8/2019	1,333	1,269	● 2591 customer-events mitigated by PSPS protocols
					9/25/2019		1,265	
					10/9/2019		57	
115	103461101	PANORAMA 1101	Dx	SHASTA	10/9/2019	1,474	794	● 2 Sectionalizing devices added or replaced ● Planned overhead hardening ● Planned underground hardening ● 870 customer-events mitigated by PSPS protocols
					10/26/2019		794	
					11/20/2019		772	
					10/21/2020		1,117	
					10/25/2020		808	
					8/17/2021		791	
					10/11/2021		791	
116	103461102	PANORAMA 1102	Dx	SHASTA	10/9/2019	2,437	212	● 2 Sectionalizing devices added or replaced ● 577 customer-events mitigated by PSPS protocols
					10/26/2019		214	
					11/20/2019		215	
					10/14/2020		72	
					10/21/2020		66	
					10/25/2020		92	
					8/17/2021		19	
					10/11/2021		120	
117	102831103	PARADISE 1103	Dx	BUTTE	6/8/2019	1,943	737	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					9/25/2019		805	
					10/5/2019		833	
					10/9/2019		839	
					10/23/2019		857	● 4 Sectionalizing devices added or replaced ● 0.05 miles of overhead hardening completed ● Temporary Generation deployed
					10/26/2019		859	
					9/7/2020		62	
					9/27/2020		242	
					10/14/2020		249	
					10/21/2020		249	
					10/25/2020		508	
118	102831104	PARADISE 1104	Dx	BUTTE	6/8/2019	2,265	670	● 1 Sectionalizing device added or replaced ● 0.06 miles of overhead hardening completed ● Planned overhead hardening ● Planned underground hardening
					9/25/2019		783	
					10/5/2019		791	
					10/9/2019		792	
					10/23/2019		806	
					10/26/2019		830	
					9/7/2020		1,872	
					9/27/2020		1,782	
					10/14/2020		1,900	
					10/21/2020		1,907	
					10/25/2020		1,943	
					8/17/2021		1,301	
119	102831105	PARADISE 1105	Dx	BUTTE	9/25/2019	1,752	1,016	● 0.15 miles of overhead hardening completed ● Temporary Generation deployed that benefited 34 customers
					10/5/2019		1,020	
					10/9/2019		1,020	
					10/23/2019		1,029	
					10/26/2019		1,030	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					9/7/2020		1,347	
					9/27/2020		1,368	
					10/14/2020		1,396	
					10/21/2020		1,410	
					10/25/2020		1,412	
					8/17/2021		881	
120	102831106	PARADISE 1106	Dx	BUTTE	9/25/2019	739	243	● 0.11 miles of overhead hardening completed
					10/5/2019		289	
					10/9/2019		289	
					10/23/2019		290	
					10/26/2019		292	
					9/7/2020		402	
					9/27/2020		415	
					10/14/2020		423	
					10/21/2020		434	
					10/25/2020		435	
					8/17/2021		107	
121	152201101	PIKE CITY 1101	Dx	YUBA	10/9/2019	385	392	● 1 Sectionalizing device added or replaced ● Planned underground hardening
					10/23/2019		390	
					10/26/2019		391	
					9/7/2020		384	
					9/27/2020		384	
					10/25/2020		388	
122	152201102	PIKE CITY 1102	Dx	SIERRA	10/9/2019	24	24	Please see footnote.
					10/23/2019		24	
					10/26/2019		24	
					9/7/2020		24	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					9/27/2020		24	
					10/25/2020		24	
123	163751101	PINE GROVE 1101	Dx	AMADOR	10/14/2018	1,338	1,335	● Planned underground hardening ● 2672 customer-events mitigated by PSPS protocols
					10/9/2019		1,336	
					10/23/2019		1,335	
					10/26/2019		1,334	
					10/25/2020		1,345	
124	163751102	PINE GROVE 1102	Dx	AMADOR	10/14/2018	4,243	2,967	● 1 Sectionalizing device added or replaced ● 11.3 miles of overhead hardening completed ● Planned overhead hardening ● Planned underground hardening ● 7803 customer-events mitigated by PSPS protocols ● Temporary Generation deployed that benefited 1 customer
					10/9/2019		4,239	
					10/23/2019		4,237	
					10/26/2019		4,238	
					9/7/2020		3,458	
					9/27/2020		3,626	
					10/25/2020		4,229	
125	103732101	PIT NO 3 2101	Dx	SHASTA	9/7/2020	145	150	● Planned overhead hardening ● Planned underground hardening ● 167 customer-events mitigated by PSPS protocols
					10/21/2020		25	
					10/25/2020		126	
126	103501101	PIT NO 7 1101	Dx	SHASTA	10/9/2019	2	2	● 4 customer-events mitigated by PSPS protocols
					10/26/2019		2	
					9/7/2020		2	
					10/14/2020		2	
					10/21/2020		2	
					10/25/2020		2	
					8/17/2021		2	
127	153081109	PLACERVILLE 1109	Dx	EL DORADO	10/14/2018	570	505	● 1 MSO device replaced ● 1225 customer-events mitigated by PSPS protocols
					10/9/2019		572	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					10/23/2019		570	● Temporary Generation deployed that benefited 563 customers
					10/26/2019		571	
					9/7/2020		502	
					9/27/2020		506	
					10/25/2020		571	
128	153081110	PLACERVILLE 1110	Dx	EL DORADO	10/14/2018	1,544	1,575	● 3 Sectionalizing devices added or replaced ● 5859 customer-events mitigated by PSPS protocols ● Temporary Generation deployed that benefited 563 customers
					10/9/2019		1,574	
					10/23/2019		1,574	
					10/26/2019		1,573	
					9/27/2020		1,197	
					10/25/2020		1,542	
129	153081111	PLACERVILLE 1111	Dx	EL DORADO	10/9/2019	869	1,061	● 8 Sectionalizing devices added or replaced ● 5517 customer-events mitigated by PSPS protocols ● Temporary Generation deployed that benefited 563 customers
					10/23/2019		1,063	
					10/26/2019		1,064	
					9/7/2020		1,087	
					9/27/2020		1,021	
					10/25/2020		1,091	
130	153081112	PLACERVILLE 1112	Dx	EL DORADO	10/9/2019	2,079	2,049	● 7 Sectionalizing devices added or replaced ● 0.1 line miles undergrounded ● Planned underground hardening ● 10254 customer-events mitigated by PSPS protocols ● Temporary Generation deployed that benefited 563 customers
					10/23/2019		2,053	
					10/26/2019		2,055	
					9/7/2020		2,052	
					9/27/2020		2,059	
					10/25/2020		2,065	
131	153082106	PLACERVILLE 2106	Dx	EL DORADO	10/14/2018	5,169	5,094	● 0.2 line miles undergrounded ● Planned underground hardening ● 4258 customer-events mitigated by PSPS protocols ● Temporary Generation
					10/9/2019		5,142	
					10/23/2019		4,903	
					10/26/2019		5,109	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					9/7/2020		5,139	deployed that benefited 563 customers
					9/27/2020		5,155	
					10/25/2020		5,165	
132	42281105	POTTER VALLEY P H 1105	Dx	MENDOCINO	10/9/2019	786	778	● 1 Sectionalizing device added or replaced ● 1.6 miles of overhead hardening completed ● Planned overhead hardening ● 0.1 line miles undergrounded ● Planned underground hardening ● 1662 customer-events mitigated by PSPS protocols
					10/23/2019		71	
					10/26/2019		780	
					10/25/2020		120	
133	43291104	PUEBLO 1104	Dx	NAPA	10/9/2019	2,005	1,926	● 3 Sectionalizing devices added or replaced ● 1 MSO device replaced ● 374 customer-events mitigated by PSPS protocols
					10/26/2019		604	
					11/20/2019		611	
					10/14/2020		265	
					10/25/2020		265	
					8/17/2021		257	
					10/11/2021		37	
134	43291105	PUEBLO 1105	Dx	NAPA	10/9/2019	2,095	2,034	● 3 Sectionalizing devices added or replaced ● 2 MSO device replaced ● 1.27 miles of overhead hardening completed ● 1771 customer-events mitigated by PSPS protocols
					10/26/2019		478	
					11/20/2019		449	
					10/14/2020		434	
					10/25/2020		477	
					8/17/2021		117	
					10/11/2021		117	
135	43292102	PUEBLO 2102	Dx	NAPA	10/9/2019	2,212	382	● 9 Sectionalizing devices added or replaced ● 2 miles of overhead hardening completed ● Planned overhead hardening
					10/23/2019		81	
					10/26/2019		359	
					11/20/2019		220	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					9/7/2020		42	● 615 customer-events mitigated by PSPS protocols
					10/14/2020		72	
					10/25/2020		379	
					8/17/2021		66	
136	43292103	PUEBLO 2103	Dx	NAPA	10/9/2019	4,674	4,605	● 7 Sectionalizing devices added or replaced ● Planned underground hardening ● 4699 customer-events mitigated by PSPS protocols
					10/23/2019		158	
					10/26/2019		651	
					11/20/2019		181	
					9/7/2020		11	
					10/14/2020		35	
					10/25/2020		559	
					8/17/2021		216	
137	63681102	PUTAH CREEK 1102	Dx	YOLO	6/8/2019	863	276	● 26.6 miles of overhead hardening completed ● Planned overhead hardening ● 0.4 line miles undergrounded ● 1322 customer-events mitigated by PSPS protocols
					10/9/2019		909	
					10/26/2019		911	
					11/20/2019		9	
					10/25/2020		185	
					8/17/2021		159	
					10/11/2021		272	
138	63681105	PUTAH CREEK 1105	Dx	YOLO	10/9/2019	1,065	869	● 4 Sectionalizing devices added or replaced ● 1631 customer-events mitigated by PSPS protocols
					10/26/2019		876	
					8/17/2021		9	
					9/20/2021		9	
					10/11/2021		36	
139	103541101	RED BLUFF 1101	Dx	TEHAMA	10/9/2019	1,574	1,560	● 2 Sectionalizing devices added or replaced ● 2 MSO device replaced
					10/26/2019		746	
					11/20/2019		745	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					10/25/2020		173	● 2388 customer-events mitigated by PSPS protocols
					8/17/2021		685	
					10/11/2021		1,014	
140	103541103	RED BLUFF 1103	Dx	TEHAMA	10/9/2019	2,646	2,641	● 2782 customer-events mitigated by PSPS protocols
					10/26/2019		212	
					11/20/2019		212	
					8/17/2021		214	
					10/11/2021		214	
141	103541104	RED BLUFF 1104	Dx	TEHAMA	10/9/2019	1,494	1,492	● 2 Sectionalizing devices added or replaced ● 820 customer-events mitigated by PSPS protocols
					10/26/2019		911	
					11/20/2019		852	
					8/17/2021		865	
					10/11/2021		865	
142	103541105	RED BLUFF 1105	Dx	TEHAMA	10/9/2019	1,911	1,847	● 8 Sectionalizing devices added or replaced ● 3341 customer-events mitigated by PSPS protocols
					10/26/2019		934	
					11/20/2019		936	
					8/17/2021		981	
143	43191101	REDBUD 1101	Dx	LAKE	10/14/2018	1,957	660	● 2 Sectionalizing devices added or replaced ● 1.43 miles of overhead hardening completed ● Planned overhead hardening ● Planned underground hardening
					10/9/2019		1,957	
					10/26/2019		1,956	
					11/20/2019		9	
					10/25/2020		1,282	
					8/17/2021		560	
					10/11/2021		124	
144	43321101	RINCON 1101	Dx	SONOMA	10/9/2019	3,598	3,665	● 5 Sectionalizing devices added or replaced ● 15945 customer-events mitigated by PSPS protocols
					10/23/2019		3,666	
					10/26/2019		3,666	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					11/20/2019		3,471	● Temporary Generation deployed
					9/7/2020		3,649	
					10/25/2020		1,571	
					8/17/2021		21	
145	43321102	RINCON 1102	Dx	SONOMA	10/9/2019	4,793	4,574	● 3 Sectionalizing devices added or replaced ● 18186 customer-events mitigated by PSPS protocols
					10/23/2019		4,576	
					10/26/2019		4,577	
					9/7/2020		4,558	
146	43321103	RINCON 1103	Dx	SONOMA	9/25/2019	1,906	147	● 1 Sectionalizing device added or replaced ● 0.3 miles of overhead hardening completed ● 1.5 line miles undergrounded ● 9211 customer-events mitigated by PSPS protocols
					10/9/2019		2,014	
					10/23/2019		2,016	
					10/26/2019		2,017	
					11/20/2019		2,013	
					9/7/2020		2,020	
					10/14/2020		20	
					10/25/2020		166	
					8/17/2021		281	
147	43321104	RINCON 1104	Dx	SONOMA	10/9/2019	3,987	4,016	● 1 Sectionalizing device added or replaced ● 0.1 miles of overhead hardening completed ● 1.3 line miles undergrounded ● 12564 customer-events mitigated by PSPS protocols
					10/23/2019		4,016	
					10/26/2019		4,014	
					9/7/2020		3,951	
148	163692101	SALT SPRINGS 2101	Dx	CALAVERAS	10/9/2019	392	387	● 910 customer-events mitigated by PSPS protocols
					10/23/2019		387	
					10/26/2019		387	
					9/7/2020		384	
					9/27/2020		384	
					10/25/2020		386	

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LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
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Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
149	163692102	SALT SPRINGS 2102	Dx	CALAVERAS	10/9/2019	1,991	1,990	● 1 MSO device installations or replacement planned ● 1.2 miles of overhead hardening completed ● Planned underground hardening ● 3931 customer-events mitigated by PSPS protocols
					10/23/2019		1,989	
					10/26/2019		1,989	
					9/7/2020		1,973	
					9/27/2020		1,976	
					10/25/2020		1,978	
150	42151104	SANTA ROSA A 1104	Dx	SONOMA	10/9/2019	3,394	3,288	● 3 Sectionalizing devices added or replaced ● 4 MSO device replaced ● 1 MSO device installations or replacement planned ● 6395 customer-events mitigated by PSPS protocols
					10/23/2019		2,309	
					10/26/2019		2,310	
					11/20/2019		428	
					9/7/2020		456	
					10/25/2020		458	
151	258131101	SCE TEHACHAPI 1101	Dx	KERN	12/3/2020	2	3	Please see footnote.
					1/18/2021		3	
					9/20/2021		3	
					10/14/2021		3	
152	152431101	SHADY GLEN 1101	Dx	PLACER	10/9/2019	1,699	1,833	● 8 Sectionalizing devices added or replaced ● 1.4 miles of overhead hardening completed ● 3.3 line miles undergrounded ● Planned underground hardening ● Temporary Generation deployed
					10/23/2019		1,834	
					10/26/2019		1,834	
					9/7/2020		22	
					10/25/2020		1,852	
153	152431102	SHADY GLEN 1102	Dx	PLACER	10/9/2019	889	736	● 1.52 miles of overhead hardening completed
					10/23/2019		736	
					10/26/2019		736	
					9/7/2020		667	
					9/27/2020		463	
					10/25/2020		736	

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(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
154	153652109	SHINGLE SPRINGS 2109	Dx	EL DORADO	10/14/2018	3,558	326	● 19.2 miles of overhead hardening completed ● Planned overhead hardening ● 5.6 line miles undergrounded ● Planned underground hardening ● 4434 customer-events mitigated by PSPS protocols
					10/9/2019		3,500	
					10/23/2019		579	
					10/26/2019		3,498	
					10/25/2020		1,695	
155	43432102	SILVERADO 2102	Dx	NAPA	10/14/2018	1,299	200	● 7 Sectionalizing devices added or replaced ● 2 MSO device replaced ● 2 MSO device installations or replacement planned ● 3.6 miles of overhead hardening completed ● 3229 customer-events mitigated by PSPS protocols
					10/9/2019		1,278	
					10/23/2019		759	
					10/26/2019		885	
					11/20/2019		986	
					9/7/2020		344	
					10/14/2020		690	
					10/25/2020		543	
					8/17/2021		182	
					10/11/2021		335	
156	43432103	SILVERADO 2103	Dx	NAPA	10/9/2019	939	935	● 3 Sectionalizing devices added or replaced ● 1832 customer-events mitigated by PSPS protocols
					10/23/2019		14	
					10/26/2019		388	
					11/20/2019		362	
					9/7/2020		3	
					10/25/2020		278	
					8/17/2021		3	
157	43432104	SILVERADO 2104	Dx	NAPA	10/14/2018	3,613	2,222	● 17 Sectionalizing devices added or replaced ● 7 miles of overhead hardening completed ● Planned overhead hardening ● 5.3 line miles undergrounded ● Planned underground hardening
					10/9/2019		3,772	
					10/23/2019		2,224	
					10/26/2019		2,369	
					11/20/2019		2,372	

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LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
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Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					9/7/2020		2,350	● 4109 customer-events mitigated by PSPS protocols ● Temporary Generation deployed that benefited 731 customers
					10/14/2020		1,010	
					10/25/2020		2,080	
					8/17/2021		1,815	
					10/11/2021		774	
158	43432105	SILVERADO 2105	Dx	NAPA	10/9/2019	2,186	2,272	● 10 Sectionalizing devices added or replaced ● 3 MSO device replaced ● 1.8 miles of overhead hardening completed ● Planned underground hardening ● 4743 customer-events mitigated by PSPS protocols ● Temporary Generation deployed
					10/23/2019		342	
					10/26/2019		1,041	
					11/20/2019		921	
					9/7/2020		159	
					10/14/2020		179	
					10/25/2020		433	
159	153791101	SMARTVILLE 1101	Dx	YUBA	9/23/2019	264	255	● 1275 customer-events mitigated by PSPS protocols
					9/25/2019		255	
					10/9/2019		255	
					10/23/2019		255	
					10/26/2019		255	
160	42721102	SONOMA 1102	Dx	SONOMA	10/9/2019	3,396	3,372	● 2 Sectionalizing devices added or replaced ● 3568 customer-events mitigated by PSPS protocols
					10/23/2019		270	
					10/26/2019		270	
					10/14/2020		153	
					10/25/2020		153	
161	42721103	SONOMA 1103	Dx	SONOMA	10/9/2019	2,145	2,101	● 3 Sectionalizing devices added or replaced ● 1679 customer-events mitigated by PSPS protocols
					10/23/2019		314	
					10/26/2019		314	
					10/14/2020		311	
					10/25/2020		287	

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Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					8/17/2021		37	
162	42721106	SONOMA 1106	Dx	SONOMA	10/9/2019	3,133	3,103	● 4 Sectionalizing devices added or replaced ● 3576 customer-events mitigated by PSPS protocols
					10/23/2019		167	
					10/26/2019		167	
					10/14/2020		95	
					10/25/2020		79	
163	152251101	SPAULDING 1101	Dx	NEVADA	10/9/2019	163	161	Please see footnote.
					10/26/2019		161	
					9/7/2020		160	
					9/27/2020		70	
					10/25/2020		163	
164	162821701	STANISLAUS 1701	Dx	CALAVERAS	10/9/2019	2,124	1,780	● Planned overhead hardening ● Planned underground hardening ● 3892 customer-events mitigated by PSPS protocols
					10/23/2019		1,778	
					10/26/2019		1,778	
					9/7/2020		1,785	
					10/25/2020		1,790	
165	162821702	STANISLAUS 1702	Dx	CALAVERAS	10/9/2019	4,891	4,889	● 1 MSO device installations or replacement planned ● 1.6 miles of overhead hardening completed ● Planned overhead hardening ● Planned underground hardening ● 7537 customer-events mitigated by PSPS protocols
					10/23/2019		4,894	
					10/26/2019		4,894	
					9/7/2020		4,882	
					10/25/2020		4,891	
166	103561101	STILLWATER 1101	Dx	SHASTA	10/9/2019	680	695	● 1.8 miles of overhead hardening completed ● Planned underground hardening
					10/26/2019		695	
					10/14/2020		36	
					10/21/2020		700	
					10/25/2020		702	
					8/17/2021		706	

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Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
167	103561102	STILLWATER 1102	Dx	SHASTA	10/9/2019	1,363	1,371	● 2.8 miles of overhead hardening completed
					10/26/2019		1,374	
					10/14/2020		724	
					10/21/2020		1,367	
					10/25/2020		1,370	
					8/17/2021		1,384	
168	102971111	SYCAMORE CREEK 1111	Dx	BUTTE	10/5/2019	2,118	578	● 4 Sectionalizing devices added or replaced ● Planned underground hardening ● 5027 customer-events mitigated by PSPS protocols ● Temporary Generation deployed
					10/9/2019		1,882	
					10/23/2019		596	
					10/26/2019		595	
					9/27/2020		456	
					10/14/2020		508	
					10/25/2020		509	
					10/11/2021		580	
169	252931102	TEJON 1102	Dx	KERN	10/9/2019	686	596	● Planned overhead hardening ● Planned underground hardening ● Temporary Generation deployed that benefited 2 customers
					10/26/2019		597	
					9/7/2020		592	
					12/3/2020		594	
					9/20/2021		598	
					10/11/2021		595	
					10/14/2021		595	
170	252931103	TEJON 1103	Dx	KERN	10/9/2019	110	83	● 1 Sectionalizing device added or replaced ● 160 customer-events mitigated by PSPS protocols
					10/23/2019		15	
					10/26/2019		15	
					9/7/2020		15	
					12/3/2020		2	
					1/18/2021		2	

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Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					10/11/2021		15	
					10/14/2021		15	
171	161380201	TIGER CREEK 0201	Dx	AMADOR	10/14/2018	14	12	● 1 Sectionalizing device added or replaced ● Planned underground hardening ● 36 customer-events mitigated by PSPS protocols
					10/9/2019		13	
					10/23/2019		13	
					10/26/2019		13	
					9/7/2020		14	
					9/27/2020		14	
					10/25/2020		14	
172	103571105	TYLER 1105	Dx	TEHAMA	10/9/2019	1,914	1,654	● 2 Sectionalizing devices added or replaced ● 4447 customer-events mitigated by PSPS protocols ● Temporary Generation deployed
					10/26/2019		1,657	
					11/20/2019		763	
					10/25/2020		227	
					8/17/2021		765	
					9/20/2021		237	
					10/11/2021		766	
173	42871101	UPPER LAKE 1101	Dx	LAKE	10/9/2019	1,160	1,131	● 1 MSO device replaced ● 1.1 miles of overhead hardening completed ● Planned overhead hardening ● Planned underground hardening ● 2687 customer-events mitigated by PSPS protocols
					10/23/2019		10	
					10/26/2019		1,231	
					10/25/2020		538	
174	63601104	VACAVILLE 1104	Dx	SOLANO	10/9/2019	2,044	2,738	● 2 Sectionalizing devices added or replaced ● 2 MSO device replaced ● 9.9 miles of overhead hardening completed ● 2.7 line miles undergrounded ● Planned underground hardening
					10/26/2019		1,537	
					10/25/2020		52	
					8/17/2021		25	
					9/20/2021		802	
					10/11/2021		302	

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Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
175	63601108	VACAVILLE 1108	Dx	SOLANO	10/9/2019	2,324	2,314	● 1 Sectionalizing device added or replaced ● 1 MSO device replaced ● 1 MSO device installations or replacement planned ● Planned underground hardening ● 1551 customer-events mitigated by PSPS protocols
					10/26/2019		367	
					11/20/2019		78	
					10/25/2020		230	
					8/17/2021		295	
					9/20/2021		45	
					10/11/2021		374	
176	102541101	VOLTA 1101	Dx	TEHAMA	10/9/2019	1,267	1,285	● 36.8 miles of overhead hardening completed ● Planned overhead hardening ● 3.7 line miles undergrounded ● Planned underground hardening ● 1144 customer-events mitigated by PSPS protocols ● Temporary Generation deployed that benefited 87 customers
					10/23/2019		748	
					10/26/2019		1,285	
					11/20/2019		1,277	
					9/7/2020		1,289	
					9/27/2020		1,291	
					10/14/2020		1,287	
					10/25/2020		1,290	
					8/17/2021		1,126	
					10/11/2021		604	
177	102541102	VOLTA 1102	Dx	SHASTA	10/9/2019	2,582	2,563	● 26.3 miles of overhead hardening completed ● 7938 customer-events mitigated by PSPS protocols ● Temporary Generation deployed that benefited 90 customers
					10/26/2019		2,562	
					11/20/2019		2,513	
					9/7/2020		2,558	
					9/27/2020		2,573	
					10/14/2020		2,572	
					10/25/2020		2,574	
					8/17/2021		2,584	
178	152491101	WEIMAR 1101	Dx	PLACER	10/9/2019	1,764	1,616	● 0.57 miles of overhead hardening completed
					10/23/2019		1,617	

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					10/26/2019		1,617	
					9/7/2020		27	
					10/25/2020		1,625	
179	152491102	WEIMAR 1102	Dx	PLACER	10/9/2019	825	631	Please see footnote.
					10/23/2019		632	
					10/26/2019		632	
					10/25/2020		635	
180	163201101	WEST POINT 1101	Dx	AMADOR	10/14/2018	1,755	1,755	● 4.3 miles of overhead hardening completed ● Planned underground hardening ● 3505 customer-events mitigated by PSPS protocols
					10/9/2019		1,757	
					10/23/2019		1,754	
					10/26/2019		1,755	
					9/7/2020		1,750	
					9/27/2020		1,755	
					10/25/2020		1,758	
181	163201102	WEST POINT 1102	Dx	CALAVERAS	10/14/2018	2,848	2,176	● 1 Sectionalizing device added or replaced ● Planned underground hardening ● 5495 customer-events mitigated by PSPS protocols ● Temporary Generation deployed
					10/9/2019		2,815	
					10/23/2019		2,815	
					10/26/2019		2,812	
					9/7/2020		2,808	
					9/27/2020		2,815	
					10/25/2020		2,826	
182	152811105	WHEATLAND 1105	Dx	YUBA	10/9/2019	637	627	● 1 Sectionalizing device added or replaced ● 1021 customer-events mitigated by PSPS protocols
					10/23/2019		197	
					10/26/2019		197	
183	103601101	WHITMORE 1101	Dx	SHASTA	10/9/2019	507	514	Please see footnote.
					10/26/2019		513	
					11/20/2019		190	

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					9/7/2020		311	
					10/25/2020		517	
					8/17/2021		271	
184	152271102	WISE 1102	Dx	PLACER	10/9/2019	1,740	1,700	● 2309 customer-events mitigated by PSPS protocols ● Temporary Generation deployed
					10/23/2019		648	
					10/26/2019		1,702	
185	24251101	WOODSIDE 1101	Dx	SAN MATEO	10/9/2019	1,762	1,742	● 2 Sectionalizing devices added or replaced ● 1 miles of overhead hardening completed ● Planned underground hardening ● 2171 customer-events mitigated by PSPS protocols
					10/23/2019		360	
					10/26/2019		1,601	
					10/14/2020		74	
					10/25/2020		699	
186	102911102	WYANDOTTE 1102	Dx	BUTTE	6/8/2019	2,562	146	● 3090 customer-events mitigated by PSPS protocols
					9/23/2019		33	
					9/25/2019		33	
					10/9/2019		2,850	
					10/23/2019		33	
					10/26/2019		33	
187	102911103	WYANDOTTE 1103	Dx	BUTTE	6/8/2019	1,715	1,602	● 1 Sectionalizing device added or replaced ● 0.1 miles of overhead hardening completed ● 50.4 line miles undergrounded ● Planned underground hardening ● 6430 customer-events mitigated by PSPS protocols
					9/23/2019		1,603	
					9/25/2019		1,600	
					10/5/2019		770	
					10/9/2019		2,160	
					10/23/2019		1,598	
					10/26/2019		1,598	
					11/20/2019		241	
					9/7/2020		1,350	
					9/27/2020		27	

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					10/21/2020		23	
					10/25/2020		533	
188	102911105	WYANDOTTE 1105	Dx	BUTTE	9/23/2019	520	331	● 1 Sectionalizing device added or replaced ● 2369 customer-events mitigated by PSPS protocols
					9/25/2019		331	
					10/5/2019		330	
					10/9/2019		330	
					10/23/2019		329	
					10/26/2019		330	
					9/7/2020		516	
					9/27/2020		1	
					10/14/2020		1	
					10/21/2020		1	
					10/25/2020		1	
189	102911106	WYANDOTTE 1106	Dx	BUTTE	6/8/2019	1,575	164	● 2224 customer-events mitigated by PSPS protocols
					9/23/2019		166	
					9/25/2019		166	
					10/9/2019		1,552	
					10/23/2019		9	
					10/26/2019		167	
190	102911107	WYANDOTTE 1107	Dx	BUTTE	6/8/2019	2,880	1,912	● 3 Sectionalizing devices added or replaced ● 4745 customer-events mitigated by PSPS protocols
					9/23/2019		1,911	
					9/25/2019		1,911	
					10/9/2019		2,735	
					10/23/2019		1,913	
					10/26/2019		1,913	
					9/7/2020		945	
					9/27/2020		547	

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					10/25/2020		757	
191	102911109	WYANDOTTE 1109	Dx	BUTTE	6/8/2019	3,392	2,171	● 3 Sectionalizing devices added or replaced ● 0.01 miles of overhead hardening completed ● 0.4 line miles undergrounded ● 13805 customer-events mitigated by PSPS protocols
					9/23/2019		2,288	
					9/25/2019		2,287	
					10/9/2019		3,460	
					10/23/2019		2,287	
					10/26/2019		2,289	
192	102911110	WYANDOTTE 1110	Dx	BUTTE	9/23/2019	2,669	1,638	● 3 Sectionalizing devices added or replaced ● Planned underground hardening ● 1460 customer-events mitigated by PSPS protocols
					9/25/2019		1,638	
					10/9/2019		2,673	
					10/23/2019		1,637	
					10/26/2019		1,638	
193	ETL.6220	BRIDGEVILLE-GARBERVILLE 60 KV	Tx	HUMBOLDT	10/26/2019	0	0	● Mitigated by PSPS Protocols ● Transmission Islanding ● 1224 Transmission tags completed ● 38.1 ROW Expansion miles completed
					9/7/2020		0	
					10/14/2020		0	
					10/25/2020		0	
194	ETL.1180	BUTTE VALLEY-CARIBOU 115 KV	Tx	PLUMAS	9/7/2020	0	0	● Mitigated by PSPS Protocols ● 90 Transmission tags completed ● 0.1 ROW Expansion miles completed
					9/27/2020		0	
					10/14/2020		0	
					10/21/2020		0	
					10/25/2020		0	
195	ETL.3190	CARIBOU-PALERMO 115 KV	Tx	BUTTE, PLUMAS	10/9/2019	0	0	● 23.5 miles replaced or eliminated ● Mitigated by PSPS Protocols ● 1215 Transmission tags completed
					10/23/2019		0	
					10/26/2019		0	
196	ETL.4440	CARIBOU-TABLE MOUNTAIN 230 KV	Tx	BUTTE, PLUMAS	9/7/2020	0	0	● Mitigated by PSPS Protocols ● Transmission Islanding ● 1344 Transmission tags completed
					9/27/2020		0	
					10/14/2020		0	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					10/21/2020		0	
					10/25/2020		0	
197	ETL.6300	CARIBOU-WESTWOOD 60 KV	Tx	LASSEN, PLUMAS	9/7/2020	0	6	● Mitigated by PSPS Protocols (8 transmission customer-events) ● 674 Transmission tags completed ● 18.7 ROW Expansion miles completed
					10/14/2020		1	
					10/21/2020		1	
					10/25/2020		1	
198	ETL.6320	CENTERVILLE-TABLE MOUNTAIN 60 KV	Tx	BUTTE	6/8/2019	1	1	● 3 segmentation devices installed ● Mitigated by PSPS Protocols (4 transmission customer-events) ● 356 Transmission tags completed ● 21.5 ROW Expansion miles completed
					9/25/2019		0	
					10/5/2019		0	
					10/9/2019		1	
					10/23/2019		1	
					10/26/2019		1	
199	ETL.6330	CENTERVILLE-TABLE MOUNTAIN-OROVILLE 60 KV	Tx	BUTTE	6/8/2019	0	0	● 3 segmentation devices installed ● 395 Transmission tags completed ● 25.6 ROW Expansion miles completed
					9/25/2019		0	
					10/5/2019		0	
					10/9/2019		0	
					10/23/2019		0	
					10/26/2019		0	
200	ETL.6470	COLGATE-ALLEGHANY 60 KV	Tx	NEVADA, SIERRA, YUBA	10/9/2019	0	0	Please see footnote.
					10/23/2019		0	
					10/26/2019		0	
					9/7/2020		0	
					10/25/2020		0	
201	ETL.6480	COLGATE-CHALLENGE 60 KV	Tx	YUBA	10/9/2019	0	0	● 247 Transmission tags completed ● 13.1 ROW Expansion miles completed
					10/23/2019		0	
					10/26/2019		0	
					9/7/2020		0	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					10/25/2020		0	
202	ETL.6490	COLGATE-GRASS VALLEY 60 KV	Tx	NEVADA, YUBA	10/9/2019	0	0	● Mitigated by PSPS Protocols ● 396 Transmission tags completed ● 13.2 ROW Expansion miles completed
					10/23/2019		0	
					10/26/2019		0	
203	ETL.6500	COLGATE-PALERMO 60 KV	Tx	BUTTE, NEVADA, YUBA	6/8/2019	0	0	● 2 segmentation devices installed ● 587 Transmission tags completed
					9/23/2019		0	
					9/25/2019		0	
					10/9/2019		0	
					10/26/2019		0	
204	ETL.6520	COLGATE-SMARTVILLE #2 60 KV	Tx	NEVADA, YUBA	9/23/2019	0	0	● Mitigated by PSPS Protocols ● 313 Transmission tags completed
					9/25/2019		0	
					10/9/2019		0	
					10/26/2019		0	
205	ETL.6650	COTTONWOOD-BENTON #2 60 KV	Tx	SHASTA	10/9/2019	0	0	● Mitigated by PSPS Protocols ● 278 Transmission tags completed
					10/26/2019		0	
					11/20/2019		0	
206	ETL.6690	DEER CREEK-DRUM 60 KV	Tx	NEVADA, PLACER	10/9/2019	0	0	● Mitigated by PSPS Protocols ● 316 Transmission tags completed ● 6.2 ROW Expansion miles completed
					10/23/2019		0	
					10/26/2019		0	
					9/7/2020		0	
					10/25/2020		0	
207	ETL.6720	DESABLA-CENTERVILLE 60 KV	Tx	BUTTE	6/8/2019	0	1	● Mitigated by PSPS Protocols (1 transmission customer-events) ● 326 Transmission tags completed ● 5.9 ROW Expansion miles completed
					9/25/2019		0	
					10/5/2019		0	
					10/9/2019		0	
					10/23/2019		0	
					10/26/2019		0	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
208	ETL.6760	DRUM-GRASS VALLEY-WEIMAR 60 KV	Tx	NEVADA, PLACER	10/14/2018	0	0	● 2 segmentation devices installed ● Mitigated by PSPS Protocols (2 transmission customer-events) ● 1648 Transmission tags completed
					10/9/2019		0	
					10/23/2019		1	
					10/26/2019		1	
					9/7/2020		0	
					10/25/2020		0	
209	ETL.4393	DRUM-HIGGINS 115 KV	Tx	NEVADA, PLACER	10/9/2019	0	0	● 735 Transmission tags completed ● 27.3 ROW Expansion miles completed
					10/23/2019		0	
					10/26/2019		0	
					9/7/2020		0	
					10/25/2020		0	
210	ETL.1420	DRUM-RIO OSO #1 115 KV	Tx	NEVADA, PLACER, SUTTER	10/9/2019	0	0	● 7.7 miles replaced or eliminated ● Mitigated by PSPS Protocols ● 852 Transmission tags completed ● 18.1 ROW Expansion miles completed
					10/23/2019		0	
					10/26/2019		0	
					9/7/2020		0	
					10/25/2020		0	
211	ETL.1430	DRUM-RIO OSO #2 115 KV	Tx	NEVADA, PLACER, SUTTER	10/9/2019	0	0	● Mitigated by PSPS Protocols ● 495 Transmission tags completed ● 18.1 ROW Expansion miles completed
					10/23/2019		0	
					10/26/2019		0	
					9/7/2020		0	
					10/25/2020		0	
212	ETL.1470	EAGLE ROCK-CORTINA 115 KV	Tx	COLUSA, LAKE, SONOMA	10/9/2019	0	0	● 3 segmentation devices installed ● Mitigated by PSPS Protocols (1 transmission customer-events) ● 293 Transmission tags completed
					10/26/2019		0	
					11/20/2019		1	
213	ETL.1480	EAGLE ROCK-REDBUD 115 KV	Tx	LAKE, SONOMA	10/9/2019	0	1	● Mitigated by PSPS Protocols (1 transmission customer-events)
					10/26/2019		0	

TABLE 9-2
LIST OF FREQUENTLY DE-ENRGIZED CIRCUITS
(CONTINUED)

Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
					11/20/2019		0	● 284 Transmission tags completed
214	ETL.1530	EL DORADO-MISSOURI FLAT #1 115 KV	Tx	EL DORADO	10/9/2019	0	1	● Mitigated by PSPS Protocols (1 transmission customer-events) ● 289 Transmission tags completed
					10/23/2019		0	
					10/26/2019		0	
					10/25/2020		0	
215	ETL.1540	EL DORADO-MISSOURI FLAT #2 115 KV	Tx	EL DORADO	10/9/2019	0	0	● Mitigated by PSPS Protocols ● 66 Transmission tags completed
					10/23/2019		0	
					10/26/2019		0	
					9/7/2020		0	
					10/25/2020		0	
216	ETL.6722	FORKS OF THE BUTTE TAP 60 KV	Tx	BUTTE	6/8/2019	0	1	● Mitigated by PSPS Protocols (1 transmission customer-events) ● 19 Transmission tags completed
					9/25/2019		0	
					10/5/2019		0	
217	ETL.6870	FRENCH MEADOWS-MIDDLE FORK 60 KV	Tx	PLACER	10/14/2018	4	3	● Mitigated by PSPS Protocols ● 602 Transmission tags completed ● 13.2 ROW Expansion miles completed
					10/9/2019		0	
					10/26/2019		0	
					9/7/2020		0	
					9/27/2020		0	
					10/25/2020		0	
218	ETL.6880	FULTON-CALISTOGA 60 KV	Tx	LAKE, NAPA, SONOMA	10/14/2018	0	0	● 3 segmentation devices installed ● 812 Transmission tags completed ● 50.6 ROW Expansion miles completed
					10/23/2019		0	
					10/26/2019		0	
					11/20/2019		0	
					10/25/2020		0	
					8/17/2021		0	
219	ETL.6890	FULTON-HOPLAND 60 KV	Tx	MENDOCINO, SONOMA	10/9/2019	0	0	● 774 Transmission tags completed
					10/23/2019		0	

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(CONTINUED)

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					10/26/2019		0	
220	ETL.2823	FULTON-LAKEVILLE-IGNACIO 230 KV	Tx	SONOMA	10/23/2019	0	0	● Mitigated by PSPS Protocols ● 7 Transmission tags completed
					10/26/2019		0	
					11/20/2019		0	
221	ETL.7290	KILARC-CEDAR CREEK 60 KV	Tx	SHASTA	10/9/2019	0	0	● 2 segmentation devices installed ● 646 Transmission tags completed ● 12.2 ROW Expansion miles completed
					10/26/2019		0	
					11/20/2019		0	
					9/7/2020		0	
					10/14/2020		0	
					10/21/2020		0	
					10/25/2020		0	
222	ETL.3505	KM GREEN 115 KV TAP	Tx	AMADOR	9/7/2020	1	1	● Mitigated by PSPS Protocols ● 64 Transmission tags completed
					9/27/2020		1	
					10/25/2020		0	
223	ETL.8405	MIDDLE FORK #1 60 KV	Tx	PLACER	10/14/2018	3	0	● Mitigated by PSPS Protocols ● 566 Transmission tags completed ● 9.4 ROW Expansion miles completed
					9/25/2019		0	
					10/9/2019		0	
					10/23/2019		0	
					10/26/2019		0	
					9/7/2020		0	
					9/27/2020		0	
					10/25/2020		0	
224	ETL.5140	MIDDLE FORK-GOLD HILL 230 KV	Tx	EL DORADO, PLACER, SACRAMENTO	10/9/2019	0	0	● Mitigated by PSPS Protocols ● 1100 Transmission tags completed
					10/26/2019		0	
					9/7/2020		0	
					9/27/2020		0	
					10/25/2020		0	

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Entry Number	ID of Circuit	Circuit Name	Transmission (Tx) / Distribution (Dx)	County	Dates of Outages	Number of Customers Served by Circuit (as of December 1, 2022)	Number of Customers affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
225	ETL.6721	ORO FINO TAP 60 KV	Tx	BUTTE	6/8/2019	0	0	● Mitigated by PSPS Protocols ● 60 Transmission tags completed
					9/25/2019		0	
					10/5/2019		0	
226	ETL.7730	PALERMO-OROVILLE #1 60 KV	Tx	BUTTE	6/8/2019	0	2	● Mitigated by PSPS Protocols (7 transmission customer-events) ● 88 Transmission tags completed
					9/23/2019		1	
					9/25/2019		1	
					10/9/2019		1	
					10/23/2019		1	
					10/26/2019		1	
227	ETL.7740	PALERMO-OROVILLE #2 60 KV	Tx	BUTTE	6/8/2019	0	2	● Mitigated by PSPS Protocols (4 transmission customer-events)
					9/23/2019		1	
					9/25/2019		1	
228	ETL.3500	SALT SPRINGS-TIGER CREEK 115 KV	Tx	AMADOR, CALAVERAS	10/26/2019	0	1	● Mitigated by PSPS Protocols (2 transmission customer-events) ● 512 Transmission tags completed ● 9.6 ROW Expansion miles completed
					9/7/2020		0	
					9/27/2020		0	
					10/25/2020		1	
229	ETL.7980	SMARTVILLE-MARYSVILLE 60 KV	Tx	YUBA	9/23/2019	1	1	● 2 segmentation devices installed ● Mitigated by PSPS Protocols ● 177 Transmission tags completed
					10/9/2019		1	
					10/26/2019		1	
230	ETL.8000	SMARTVILLE-NICOLAUS #2 60 KV	Tx	PLACER, SUTTER, YUBA	9/23/2019	0	0	● Mitigated by PSPS Protocols (1 transmission customer-events) ● 68 Transmission tags completed
					10/9/2019		1	
					10/26/2019		0	
231	ETL.5780	TIGER CREEK-ELECTRA 230KV	Tx	AMADOR	10/9/2019	0	1	● Mitigated by PSPS Protocols (2 transmission customer-events) ● 206 Transmission tags completed
					10/23/2019		1	
					10/26/2019		0	
232	ETL.5790	TIGER CREEK-VALLEY SPRINGS 230 KV	Tx	AMADOR, CALAVERAS	10/9/2019	0	0	
					10/23/2019		0	

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					10/26/2019		0	● Mitigated by PSPS Protocols ● 245 Transmission tags completed
233	ETL.7560	WEIMAR #1 60 KV	Tx	PLACER	10/14/2018	0	1	● Mitigated by PSPS Protocols ● 547 Transmission tags completed ● 14 ROW Expansion miles completed
					9/25/2019		0	
					10/9/2019		0	
					10/23/2019		0	
					10/26/2019		0	
					9/7/2020		0	
234	ETL.8340	WEIMAR-HALSEY 60 KV	Tx	PLACER	10/9/2019	0	0	● Mitigated by PSPS Protocols ● 178 Transmission tags completed
					10/23/2019		0	
					10/26/2019		0	
235	ETL.8350	WEST POINT-VALLEY SPRINGS 60 KV	Tx	AMADOR, CALAVERAS	10/14/2018	0	1	● Mitigated by PSPS Protocols ● Transmission Islanding ● 468 Transmission tags completed ● 21.6 ROW Expansion miles completed
					10/9/2019		0	
					10/23/2019		0	
					10/26/2019		0	
					9/7/2020		0	
					10/25/2020		0	
236	ETL.4220	WOODLEAF-PALERMO 115 KV	Tx	BUTTE	9/25/2019	0	0	● 2 segmentation devices installed ● Mitigated by PSPS Protocols ● 505 Transmission tags completed ● 19.6 ROW Expansion miles completed
					10/5/2019		0	
					10/9/2019		0	
					10/23/2019		0	
					10/26/2019		0	
					9/7/2020		0	
					10/25/2020		0	

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Footnotes: - Planned undergrounding numbers are based on the current workplan and exceed annual targets. Please review our response to ACI 22-16 for additional details. - In several instances, we have identified transmission lines as “mitigated by PSPS protocols” even if there has been no change in the transmission customer counts because our PSPS protocols may have mitigated impacted downstream distribution circuits and customers and removed them from scope. - Other than mitigations stated in the Frequently De-energized Table, PG&E plans to implement in-event alternatives such as asset and vegetation tags and disabling automatic reclosers, that could reduce customer impact. Some customers could also receive back-up power support to reduce the significance of the PSPS impact. - The count of customers mitigated by PSPS Protocols may also include customers mitigated by asset-based mitigations, and may be impacted by changes to the number of active customers served by each circuit.								