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Pacific Gas & Electric Co. (PG&E),
Southern California Edison (SCE), and
San Diego Gas & Electric (SDG&E)

Proposed Customer Reliability Report Template Pursuant to Administrative Law Judge's Ruling

Grid Reliability OIR R.24-05-023

December 15, 2025

Contents

Introduction

Pursuant to the August 22, 2025 Assigned Commissioner's & Administrative Law Judge's Ruling Modifying Track 1 Schedule of Activities (Ruling Modifying Track 1), Pacific Gas and Electric (PG&E), Southern California Edison (SCE) and San Diego Gas and Electric (SDG&E) (collectively, the Joint IOUs) hereby submit the jointly developed Proposed Narrative Template and Proposed Customer Reliability Schema, attached hereto as Appendix A and Appendix B, respectively, along with Appendix C, which references back to each IOU's OEIS WMDR quarterly reports. Pursuant to Commission Rule of Practice and Procedure 11.6, on October 13, 2025, the Joint IOUs requested an extension of time for this submission to December 15, 2025. This extension was granted on October 27, 2025.[1]

Concurrently with this submission, the Joint IOUs provide the following comments, which are incorporated by reference into Appendix A and Appendix B.

1. Annual Reporting Template & Customer Reliability Schema Report

The Joint IOUs aim to provide the Commission with accurate reliability reporting that complies with the requirements of this rulemaking. Based on our experiences performing reliability reporting to various regulatory agencies, we strongly believe an annual cadence for both the Narrative report and Customer Reliability Schema. This will provide the Commission with its desired level of accuracy. More frequent reporting intervals would not provide sufficient time for event investigations or work programs to finalize data to ensure complete, accurate, and verifiable records at the time of submission. Annual reporting will help ensure that Energy Safety receives the most up-to-date information as it exists in each Joint IOUs' respective systems of record. The annual submittal timeframe should align with the Annual Electric Reliability Report of July 15 or later.[3] The Template and Customer Reliability Schema shall be submitted via advice letter within 30-days of July 15 each year beginning on July 15, 2027. The Annual Electric Reliability Report shall be submitted as part of this Template and Customer Reliability Schema on all service lists where the Annual Electric Reliability Report are filed and served.

If the Joint IOUs want to submit updates or enhancements they shall submit them via an advice letter every 3 years from the date of first submission on July 15, 2029, within 30-days and during this window of time every two years thereafter. Updates and enhancements shall focus on whether or how data and the mechanism of reporting the data is still relevant and whether proposals for submittal cadence, timing, sequencing and/or integrating existing reporting into this Template and Customer Reliability Schema is reasonable. Upon filing, the Advice Letter shall be served on the service list of this Rulemaking 24-05-023 and in accordance with General Order 96-B.[1]

[1] SPD Recommendation for added language detailing the submission methods of the Narrative Report and the Schema Report described by the Joint IOUs in Appendix C of this document. Compliance filing details based on SPD recommendations during management discussion for submission requirements.

Additionally, there is a significant amount of time, effort, and resources required to gather, validate, and report this information to the Commission. Given the substantial resources required, we further emphasize the recommendation that this report be submitted on an annual basis. Under this submission schedule, data on customer reliability would be provided for the previous calendar year (January 1 to December 31).

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[1] Email Ruling Re: Issuance of Ruling Modifying Track 2, dated October 27, 2025. *Please note that the title of the referenced ruling contains a typographical error. The title uses the phrasing "Track 2" but the ruling modifies Track 1.*

[3] CPUC Decision D.16-01-008 directs the California Investor Owned Utilities (PG&E, SCE, SDG&E, Bear Valley Electric Service, PacifiCorp, and Liberty Utilities/CalPeco Electric) to annually prepare electric system reliability reports detailing the previous year's electric reliability on the system and division levels.

2. Sufficient Time to Provide the First Report

We also respectfully urge the Commission to provide sufficient time for the Joint IOUs to establish processes and procedures for meeting new reporting obligations, gathering the required data, validating the data, and packaging the data in the most useful and understandable form before the Commission requires the submission of the initial report using this template. Because of the significant time and effort required for this work, the Joint IOUs request that the Commission allow at least six additional months from either the finalization of the template or the Annual Electric Reliability Report submission (whichever comes later) before the first report is due.

3. Confidentiality

The proposed template for the narrative report and data schema should be classified as a non-confidential public document since there is no apparent confidential information populating the template submittal. Once the submitted narrative report and data schema are fully populated, the Joint IOUs will protect all data deemed confidential; accordingly, this may require some or all these documents to be submitted to the CPUC under declaration of confidentiality.

4. Concerns Regarding Customer Outage Analysis Requirement 3.f.

The Ruling Modifying Track 1 requires that the Joint IOUs' proposed reporting template include "Infrastructure information about the primary circuit that serves the meter (e.g., overhead vs underground)."[4]) The Proposed Customer Reliability Schema currently includes this information on the "Customer Level" tab at lines 17-18.

The Joint IOUs note that the overhead (OH) vs. underground (UG) distinction fails to provide adequate context for the service provided to a customer. At the circuit level, the percentage of OH versus UG does not indicate whether, or to what extent, the service from the substation to the customer is OH or UG. Similarly, identifying the primary service point as OH or UG (e.g., via a padmount transformer or a pole-top transformer) does not necessarily correlate with whether or how much of the service from the substation to the customer is OH or UG. (The IOUs do not maintain how much of the service from the substation to the customer is OH or UG at a customer level.) As a result, the Joint IOUs believe no meaningful information, insights, or conclusions can be drawn from this data. This proposal still provides the percentage of overhead and underground infrastructure for each customer's primary circuit and will include the conductor type (i.e. bare/covered/Insulated) in the Customer information table of the data schema.[2] ~~Thus, the Joint IOUs recommend that requirement 3.f. be reconsidered, omitted, or revised.~~

[2] SPD recommendation to deny the Joint IOUs request to omit overhead vs underground circuit information is informed by the recommendation 3.f. referred to by IOUs in this section, ALJ's Ruling Modifying Track 1 Schedule of Activities filed August 22, 2025, at 6

[4] See Ruling Modifying Track 1 at Customer Outage Analysis 3.f, p.6, (underlining in original).

The Joint IOUs appreciate the opportunity to collaborate and prepare a draft reliability schema and proposed analysis to support our shared goals of a safe and reliable grid for our customers.

Narrative Requirements

Referenced Section Definitions from R.24-05-023:

- GP – Guiding Principles
- COA – Customer Outage Analysis
- DUA – Defining Units of Analysis

Ruling Reference	Requirement	Narrative Report Reference
1 GP	Must explain how customers are notified and communicated with before, during, and after planned and unplanned outages	Section 1.1
4 GP	Must propose which existing reports (or reporting requirements) may be redundant and capable of being consolidated in (and required for) any Customer Reliability Report	Section 4
5 GP	Methodologies, and supporting documents that will enable any Customer Reliability Report to enhance transparency and monitoring.	Section 3
1 COA	The joint draft Customer Reliability Report Template must define the requirements of an analysis that would, in any submitted Customer Reliability Report, measure and explain the causes of planned and unplanned outages for customers. A. Proposing outage cause definitions aligned with current Commission reporting requirements. B. Proposing the addition of outage cause definitions based on **OEIS Wildfire Mitigation Plan Guidelines**, and the Institute of Electrical and Electronics Engineers 1782. Other outage category definitions that are nationally recognized and industry standards may be considered. C. Proposing an analysis (and related metrics for reporting) on how Protective Equipment and Device Settings affect reliability performance. D. Utilizing demographic, economic, population, geographic units, infrastructure, and customer definitions established in the Defining Units of Analysis. E. Proposing an analysis of reliability in disadvantaged and vulnerable communities as well as Tribal governments as established in the Defining Units of Analysis	Section 1.2 Section 2

Ruling Reference	Requirement	Narrative Report Reference
2 COA	The joint draft Customer Reliability Report Template must define the requirements of a systemwide analysis that measures the frequency and duration of planned and unplanned outages, and number of people. This includes: a) Proposing reliability metrics that align with and/or supplement current Commission reliability reporting, and include, but are not limited to: i. Total number of outages and duration experienced by unique customers within a designated geographic area. ii. Existing reported reliability statistical categories used by the IOUs for customers within a designated geographic area. iii. Identifying groups of customers who experience repetitive outages and the causes. iv. Augmenting information to address gaps in outage reporting analysis. b) Utilizing demographic, economic, population, geographic units, infrastructure, and customer definitions established in the Defining Units of Analysis. c) Proposing an analysis of reliability in disadvantaged and vulnerable communities as established in the Defining Units of Analysis.	Section 2
3 DUA	The joint draft Customer Reliability Report Template must define **demographic, economic, and population data** for customer types that will be used in the Customer Outage Analysis that is included in any submitted Customer Reliability Report to assess patterns of planned and unplanned outages. A. Defining residential customer types to include medical baseline, multi-residential, and any other relevant categories. b. Categorizing commercial customers using the North American Industry Classification System (NAICS). c. Defining community characteristics that include disadvantaged, vulnerable communities as defined by existing tools or metrics (see Public Utilities Code section 1601(e)6)	Section 2

Appendix A: Proposed Narrative Report Template

Section 1: Utility Procedures

1. **Notifications:** ~~IOU must explain how customers are notified or communicated during the outage (planned, unplanned i.e., PSPS) event:~~ IOU must explain how customers are notified or communicated during different outage types: Planned outage report for PSPS, Fast-Trip, and EPSS events. Unplanned outage reporting for weather or extreme event and non-extreme event outages:
    a. Before an outage occurs (Planned outages only)
    b. During an outage
    c. After the outage
    d. Before, during, and after PSPS and PEDS events per ESRB-8 and D.19-05-042 or any follow up decision stemming from R.18-12-005[3]
    e. Communication efforts made to Public Safety Partners and customers with medical needs during outages[4]

2. **Mitigation Actions:** Each IOU must explain what steps were taken to prevent, restore and mitigate outages:
    a. Preventing outages
    b. Restoring outages
    c. Mitigating outages

3. **Shared Definitions:**
    a. Access and Functional Needs (AFN): Any customers falling under the GO166 definition for Access and Functional Needs Populations
    b. Essential Customers: Any customers falling under the GO166 definition for Essential Customers along with D. 02-04-060
    c. Region/District: IOUs' definition of Region and District

[3] See Opening comments of Center for Accessible Technology, January 9, 2026, at 4 ("The template should require separate explanations for: How customers are notified IN ADVANCE of planned maintenance outages; How customers are notified IN ADVANCE of PSPS/de-energization events (which have distinct notification requirements under R.18-12-005); How utilities communicate with customers DURING different types of outages, with separate discussions for: planned maintenance, PSPS, weather-related unplanned, fast-trip unplanned, and other unplanned outages; How utilities communicate with customers AFTER the conclusion of outages."); opening comments of Center for Accessible Technology, January 9, 2026, at 2 ("The template makes no reference to fast-trip outages (also called EPSS by PG&E). The Scoping Memo specifically addresses fast-trip outages, so the IOUs must clarify that the template incorporates this data."); reply comments of Joint Local Governments and Joint CCAs, January 26, 2026, at 2-3 ("De-energization (PSPS) and fast-trip (EPSS) outage information should be specifically identified and analyzed in the utilities' reports.").

[4] See opening comments of Center for Accessible Technology, January 9, 2026, at 4, 6 ("Notifications to Public Safety Partners should be discussed separately from general customer notifications. Public Safety Partners include first responders at local, state and federal levels, water and communication providers, CCAs, affected POUs and electrical cooperatives, the Commission, CalOES and CAL FIRE, as defined in R.18-12-005. These entities play critical roles in emergency response and require specific communication protocols. The template should include specific discussion of communication and outreach to the most vulnerable customer groups, particularly those with medical needs who face heightened health and safety risks during outages.").

d. Census Geographic Levels: Census County and Tract[5]
e. Customer Type:
    i. Residential
    ii. Multi-residential
    iii. Commercial
f. Public Safety Partners: Entities with critical emergency response roles during outages, as defined in R.18-12-005. First Responders at the local, state and federal level, water and communication providers, CCAs, affected POUs/electrical cooperatives, the Commission, California Office of Emergency Services and California Department of Fire and Forestry Protection. [6]
g. Community Type:
    i. Disadvantaged communities (DAC): Define by SB535
    ii. Tribal communities: Defined by California Native American Heritage Commission
h. Cause codes:
    i. IEEE 1782 Section 4.4 (Category ONLY – No subcategory)
i. Customer indices:
    i. CEMI: IEEE 1366
    ii. CELID (Total): IEEE 1366
j. Outage Definition:
    i. Planned: Outages where customers are able to be notified~~, excluding PSPS outages~~
        - Public Safety Power Shutoff/De-energization (PSPS)
        - Fast-Trip (Emergency Power Supply System – EPSS)[7]
    ii. ~~Unplanned: All other outages, including PSPS. No secondary outages.~~ Unplanned:

[5] See reply comments of Joint Local Governments and Joint CCAs, January 26, 2026, at 3 ("The Commission should adopt RCRC's recommendation to include a geospatial overlay of reliability metrics at the census tract or county level to provide more granular insight into reliability issues impacting vulnerable communities."); opening comments of City and County of San Francisco, January 9, 2026, at 2 ("Rather than relying solely on aggregated narrative descriptions of notification practices, the template should require disaggregated data showing notification performance by geography, demographics, and equity metrics. This would allow stakeholders to identify whether notification practices are reaching all affected populations effectively.").

[6] See opening comments of Center for Accessible Technology, January 9, 2026, at 5-6 ("The template should add a definition for 'Public Safety Partners' using the definition from R.18-12-005: 'First responders at local, state and federal level, water and communication providers, CCAs, affected POUs and electrical cooperatives, the Commission, CalOES and CAL FIRE.' The template should require utilities to report on notifications to Public Safety Partners and coordination with them for mitigation purposes.").

[7] See opening comments of Public Advocates Office, January 9, 2026, at 3-5 ("PSPS is the result of a utility executive decision to shut off power - it is the exemplar illustration of what a utility can accomplish when given advance notice. In no way is PSPS an unplanned outage. Classifying PSPS as 'unplanned' would mix outages that could cause a wildfire ignition with outages that are caused by a wildfire mitigation program."); opening comments of Center for Accessible Technology, January 9, 2026, at p. 3 ("PSPS events should be classified as planned outages, not unplanned. PSPS involves utilities making deliberate operational decisions to de-energize power lines based on fire weather forecasts and system conditions. These are planned events that trigger specific notification requirements under R.18-12-005."); reply comments of Center for Accessible Technology, January 26, 2026, at 4 ("In no way is a PSPS an unplanned outage."); reply comments of Joint Local Governments and Joint CCAs, January 26, 2026, at 3 ("We agree with Cal Advocates and CforAT that the proposal to designate de-energization events as 'unplanned' is questionable, given that the utilities control the decision to shut the power off and generally have lead-time before making that decision."); opening comments of Center for Accessible Technology, January 9, 2026, at 2, 4 ("The template makes no reference to fast-trip outages (also called EPSS by PG&E). The Scoping Memo specifically addresses fast-trip outages, so the IOUs must clarify that the template incorporates this data."); reply comments of Joint Local Governments and Joint CCAs, January 26, 2026, at 2-3 ("De-energization (PSPS) and fast-trip (EPSS) outage information should be specifically identified and analyzed in the utilities' reports.").

Outages that occur without advanced customer notification. No secondary outages.

- Extreme weather event outages (major storms, heat events, natural disasters)
- Non-extreme event outages. [8]

[8] See opening comments of Public Advocates Office, January 9, 2026, at 6 ("Without this information, it is impossible to evaluate utility performance in relation to weather conditions, Red Flag Warnings, seasonal patterns, or climate-driven events. This data is essential for analyzing the effectiveness of wildfire mitigation measures and understanding how utilities are responding to specific environmental conditions.").

Section 2: Proposed Reliability Metrics

IOU must explain and suggest reliability metrics for:

- Economics
- Geographics
- Demographics

**See 3 COA *Please note, Rulemaking does not require that we make metrics and share them within PDF. The Joint IOUS are only asked to suggest metrics for the above.*

1. CEMI (Customers Experiencing Multiple Interruptions) Summary from 5+ (Includes MED and exclude MED)
    a. Summary CEMI (5+) over the total number of customers served
    b. Summary CEMI (5+) over the districts
    c. Summary CEMI (5+) under AFN categorization
    d. Summary CEMI (5+) under different Customer Type
    e. Summary CEMI (5+) under different Community Type
    f. Summary CEMI (5+) for outages only with protective equipment enabled
2. CELID (Customers Experiencing Long Interruption Durations) (Total) Summary from 8+ (Includes MED and exclude MED)
    a. Summary CELID (8+) over the total number of customers served
    b. Summary CELID (8+) over the districts
    c. Summary CELID (8+) under AFN categorization
    d. Summary CELID (8+) under different Customer Type
    e. Summary CELID (8+) under different Community Type
    f. Summary CELID (8+) for outages only with protective equipment enabled
3. SAIDI (System Average Interruption Duration Index)
    a. Summary SAIDI across all customers served
    b. Summary SAIDI by district
    c. Summary SAIDI under AFN categorization
    d. Summary SAIDI under different Customer Type
    e. Summary SAIDI under different Community Type
    f. Summary SAIDI for outages only with protective equipment enabled
4. SAIFI (System Average Interruption Duration Index)
    a. Summary SAIFI across all customers served
    b. Summary SAIFI by district
    c. Summary SAIFI under AFN categorization
    d. Summary SAIFI under different Customer Type
    e. Summary SAIFI under different Community Type
    f. Summary SAIFI for outages only with protective equipment enabled
5. CAIDI (System Average Interruption Duration Index)
    a. Summary CAIDI across all customers served

b. Summary CAIDI by district
c. Summary CAIDI under AFN categorization
d. Summary CAIDI under different Customer Type
e. Summary CAIDI under different Community Type
f. Summary CAIDI for outages only with protective equipment enabled

6. MAIFI (System Average Interruption Frequency Index)[9]
    a. Summary MAIFI across all customers served
    b. Summary MAIFI by district
    c. Summary MAIFI under AFN categorization
    d. Summary MAIFI under different Customer Type
    e. Summary MAIFI under different Community Type
    f. Summary MAIFI for outages only with protective equipment enabled

All metrics will be sortable by individual economic indicators such as:

- Area median income, poverty level, geographic indicators (rural, suburban, urban), and demographic indicators (CalEnviroScreen score, life expectancy, etc.)[10]

Section 3: Methodology and Use Limitations

Describe the methodology for how the data were developed. This includes, at a minimum, identifying the sources (by filename) from which the data were derived and an explanation of how data were pulled from those sources. Also, describe any data field collection techniques aligned with Data Standards Metadata Guidelines.

Methodology will consist of CEMI, ~~and~~ CELID, SAIDI, and SAIFI[11] calculations for Section 2: Demographic Reliability Metrics. Pending limitations until analysis/data is established.

[9] SPD recommendation to include SAIDI (System Average Interruption Duration Index) and SAIFI (System Average Interruption Frequency Index) as standard IEEE 1366 reliability metrics, in addition to CEMI and CELID, to provide a view of system reliability performance. Informed by party requests for both averaged and un-averaged data. See opening comments of Joint Local Governments and Joint CCAs, January 9, 2026, at 6-7; reply comments of Joint Local Governments and Joint CCAs, January 26, 2026, at 4.

[10] SPD recommendation to provide these additional criteria based on Ruling recommendations for identifying differing economic and demographic customer groups ALJ's Ruling Modifying Track 1 Schedule of Activities filed August 22, 2025, at 6

[11] SPD recommendation to include SAIDI (System Average Interruption Duration Index) and SAIFI (System Average Interruption Frequency Index) as standard IEEE 1366 reliability metrics, in addition to CEMI and CELID, to provide a view of system reliability performance. Informed by party requests for both averaged and un-averaged data. See opening comments of Joint Local Governments and Joint CCAs, January 9, 2026, at 6-7; reply comments of Joint Local Governments and Joint CCAs, January 26, 2026, at 4.

Section 4: Report Alignment to CPUC & OEIS

- Wildfire Mitigation Data Report (WMDR)
    - For efficiency and to avoid redundancy, the Joint Utilities would point CPUC to the WMDR quarterly spatial report for the following data requested. This data consistently refreshes on a quarterly basis. The CircuitID field can be used to join data from this Customer Reliability Report to the Spatial Wildfire Mitigation Data Report. See WMDR Schema Appendix C for reference.

Customer Reliability Report Data Request	Description	Joint Utility Notes	Data Location
~~Outage Cause Details~~	~~Utilities are to provide outage level details~~		~~WMDR Unplanned Outage Feature Class~~
Preventative and Mitigation Activities	Utilities WMP programs		WMDR Initiatives Feature Datasets (Asset Inspection Point, Asset, Grid, VM)
Improvement Buckets	Reliability Improvement		WMDR Initiatives Feature Datasets (Asset Inspection, Grid Hardening, VM)
Circuit Information	OH, UG Assets		WMDR Asset Line Feature Dataset (Transmission, Primary Distribution, Secondary Distribution)
~~General Area Information~~	~~Service Territory, District, Division, DAC, Tribal Designation~~		~~WMDR Admin Area Feature Dataset (All)~~[12]

- Annual Electric Reliability Reporting Requirements for California Electric Utilities
    - Decision 16-01-008, Rulemaking 14-12-014 (Filed Dec 18th, 2014)

[12] SPD recommendation to eliminate the Joint IOU proposal for Outage Cause Details and General Area Information to be pulled from the WMPQDR. Outage cause details and general area information are already provided in the data schema. This addresses party concerns about streamlined reporting and data integration. See opening comments of Public Advocates Office, January 9, 2026, at 7-8; opening comments of Joint Local Governments and Joint CCAs, January 9, 2026, at 1-2.

Section 5: Joint Utility Recommendations and Requirement Interpretations

1. **Requirement Interpretations:**

Customer Reliability Report Data Requirements	Description	Joint Utility Notes	Data Location
Notification Type	Data must show how customers are notified and communicated before, during, and after planned and unplanned outages.	Joint utilities are providing data for this requirement in written format found in Section1: Utility Procedures of this document. This is because customers receive an array of notification types depending on the outage type.	N/A
Prevention, Restoration and Mitigation for Outages	Must show cause, prevention, restoration, and mitigation for outages (planned and unplanned).	Joint utilities are providing data for this requirement in written format found in Section 1: Utility Procedures of this document.	N/A
Electric Distribution Infrastructure	Must define the categories of electric distribution infrastructure to be represented along designated geographic units	Joint utilities are providing OH and UG information as a percentage at the customer level (see appendix). Asset data is also available within the WMDR.	Customer Level, WMDR Assets
Customer meters with a decline in average reliability greater than "X percent, as measured by the reliability metrics in part (a), over the past 5 years.	Each utility will identify the customers with a CEMI (5+) for 5 consecutive years (reporting year + 4 previous years) in the	Joint utilities are providing customer level reliability in the underlying data schema	Customer Level Table

Customer Reliability Report Data Requirements	Description	Joint Utility Notes	Data Location
	underlying data schema		
Improvement Buckets	Must define reliability improvement categories to be represented along designated geographic units	Joint utilities are providing WMP Initiative information. They may provide reliability improvement efforts that are not specifically documented in the WMP response.	WMDR Initiatives

Appendix B : Proposed Customer Reliability Schema

Customer level information to provide to the CPUC underseal in a separate report for the reporting calendar for both planned and unplanned outages:

- Appendix B - Proposed Customer Reliability Schema.xlsx
    a. Data Requirements
    b. Customer Level Table
    c. Customer Notification Table
    d. Outage Level Table

Appendix C : WMDR Schema

WMDR schema will not be expressly filled out for this report's submission, as the required data is already available in the OEIS WMDR quarterly reports. See Section 4 for more details:

- Appendix C - WMDR Schema.xlsx
    a. Primary Distribution Line
    b. Transmission Line
    c. Substation
    d. Grid Hardening
    e. Asset Inspection
    f. Vegetation Inspection
    g. Vegetation Management

Data Requirements from Customer Reliability Reporting Template (Grid Reliability OIR R.24-05-023)

Link to Data Guidelines: https://efiling.energysafety.ca.gov/eFiling/Getfile.aspx?fileid=58132&shareable=true&_gl=1*12vc9dw*_ga*NTIwNzU3ODIzLjE3NTM3NDI4MTY.*_ga_69TD0KNT0F*czE3NTgyMzYzNDUkbzE0JGcwJHQxNzU4MjM2MzQ1JGo2MCRsMCRoMA..*_ga_340RFMFNWY*czE3NTgyMzYzNDUkbzgkZzAkdDE3NTgyMzYzNDUkajYwJGwwJGgw*_ga_DCP197HRSL*czE3NTgyMzYzNDUkbzEzJGcwJHQxNzU4MjM2MzQ1JGo2MCRsMCRoMA..

Requirement	Description	Reference	Source
Customer Information	Measure and explain the causes of planned and unplanned outages for customers	1 COA	Customer Level
Outage Categorization	Define and align outage categories to include all types of planned and unplanned outages	1 DUA	Outage Level
Notifications	Data must show how customers are notified and communicated before, during, and after planned and unplanned outages.	1.1 GP	Narrative Report
Cause Definitions	Defined outage causes.	1.aCOA, 1.b COA	Outage Level
Protective Equipment and Device Settings affect reliability performance	Data on EPSS and device settings must be leveraged for analysis.	1.c COA, 3.c. COA	Outage Level
Demographic Analysis	Customer Demographic information.	1.d COA	Customer Level
Vulnerablity Analysis	Reliability in disadvantaged and vulnerable communities as well as Tribal governments.	1.e COA	Customer Level
Outage Frequency	Measures the frequency and duration of planned and unplanned outages, and number of people	2 COA	Customer Level
Outage Cause Details (Cause, prevention, restoration, mitigation)	Must show cause, prevention, restoration, and mitigation for outages (planned and unplanned).	2 GP	Narrative Report
Federal Info Processing Standards	Defines census tracts, counties, metro stats, etc.	2.a DUA	Customer Level
Total outages and duration by unique customers	Within designated geographic areas. ID groups who experience repetitive outages and causes.	2.a. COA	Customer Level
Native American Heritage	List of Tribes for Native American/Tribal distinction.	2.b DUA	Customer Level
Protective Equipment and Device Settings performance	Protective Equipment and Device Settings affect reliability performance	2.c COA	Outage Level
Geographic Units	geographic units unique to the IOU.	2.d DUA	Customer Level
Aligned Contents, Metrics , Analysis with other commissioned CPUC reports	Must leverage and connect info from existing reports for planned/ unplanned outages.	3 GP	Narrative Report
Customer Type	medical baseline, multi-residential.	3.a DUA	Customer Level
Customer Reliability	Currently used reliability metrics (e.g., CEMI, CELID)	3.a-c COA	Customer Level
Commercial Customers Categorized	Categorizing commercial customers using the North American Industry Classification System (NAICS).	3.b DUA	Customer Level
Social Vulnerability Index	Disadvantaged, vulnerable communities and outage impacts.	3.c DUA	Customer Level
Declining reliability customers	Customer experience a CEMI (5+) for 5 consecutive years.	3.d COA	Customer Level
Outage Duration Details	Ratio of Planned and Unplanned Analysis, Momentary and Secondary.	3.e COA	Customer Level
Outage by Meter	The number and total duration of outages at each meter.	3b COA	Customer Level
Asset Location	Infrastructure information about the primary circuit that serves the meter (e.g., overhead vs underground).	3f COA	Customer Level
Electric Distribution Infrastructure	categories of electric distribution infrastructure to be represented along designated geographic units.	4 DUA	Customer Level
Identify redundant reports	Identify reports capable of being consolidated in this report.	4 GP	Narrative Report
Improvement Buckets	define reliability improvement categories to be represented along designated geographic units.	5 DUA	Narrative Report
Customer Privacy	Ensure PII adherence and data sharing best practices.	6 DUA	Narrative Report

Submission Format

1. Narrative Report: Submit as a PDF or Word document; and

2. Data underpinning the report should be made available to the CPUC through a secure File Transfer Protocol and updated with each report submission

Referenced Section Definitions from R.24-05-023

GP - Guiding Principles

COA - Customer Outage Analysis

DUA - Defining Units of Analysis

Customer Level from Customer Reliability Reporting Template (Grid Reliability OIR R.24-05-023)

General Category/Description	Field	Data Type/Entry	Definitions	Referenced Section	Eotes
Primary key of customer	MeterID	Numerical		Customer Outage Analysis/Section 3	One record per customer. {Edž. 2ᴐ25)
Geographic/Demographic	AFN	Y/N	GO166	Customer Outage Analysis/Section 3a	
Geographic/Demographic	MBL	Y/N	GO166	Customer Outage Analysis/Section 3a	
Geographic/Demographic	Essential Customer	Y/N	GO166	Customer Outage Analysis/Section 3a	
Geographic/Demographic	Region	String	Define by IOU	Customer Outage Analysis/Section 3	
Geographic/Demographic	District	String	Define by IOU	Customer Outage Analysis/Section 3{ii)	
Geographic/Demographic	FIPS County Code	String	FIPs	Customer Outage Analysis/Section 3{i)	Confirm Census track to use ῦointly ‖hich code
Geographic/Demographic	Customer Type	Residential/Multi-Residential/Commercial		Defining Units of Analysis/Section 3a and 3b	
Geographic/Demographic	North American Industry Classification System {NAICS)	String	Categorizing commercial customers using the North American Industry Classification System {NAICS)	Defining Units of Analysis/Section 3b	
Geographic/Demographic	Origin Land Use	Domain		Defined Units of Analysis/Section 2a	
Geographic/Demographic	Wildland Urban Interface	Domain	California Fire Code {Title 24, Part 7)	Defined Units of Analysis/Section 2a	
Geographic/Demographic	High Fire Threat District	Domain	Cal Fire	Defined Units of Analysis/Section 2a	
Geographic/Demographic	Disadvantaged Communities {DAC)	String	SB535	Customer Outage Analysis/1e, Defined Units of Analysis/Section 3c	
Geographic/Demographic	Native American Tribe Distinction	Tribal	California Native American Heritage Commission's list of tribes.	Defining Units of Analysis/Section 2b	
Infrastructure	OH	Percentage	Percent overhead miles on the circuit	Customer Outage Analysis/Section 3f	
Infrastructure	UG	Percentage	Percent underground miles on the circuit	Customer Outage Analysis/Section 3f	
Infrastructure	CircuitID	Numerical	Circuit identifier in WMDR	Customer Outage Analysis/Section 3f	
Reliability {Reporting Calendar Year)	Number of Planned Outages	Numerical	IEEE 1366 CEMI	Customer Outage Analysis/Section 3eiii	
Reliability {Reporting Calendar Year)	Number of Unplanned Outages	Numerical	IEEE 1366 CEMI	Customer Outage Analysis/Section 3eiii	
Reliability {Reporting Calendar Year)	Ratio of Planned/Unplanned Outages	Numerical	Not defined in any industry standard	Customer Outage Analysis/Section 3eii	
Reliability {Reporting Calendar Year)	Ratio of M/S Outages	Numerical	Not defined in any industry standard	Customer Outage Analysis/Section 3eiii	
Reliability {Reporting Calendar Year)	Number of Momentary Outages	Numerical	Not defined in any industry standard	Customer Outage Analysis/Section 3b	
Reliability {Reporting Calendar Year)	Number of Sustained Outages {CEMI)	Numerical	IEEE 1366 CEMI	Customer Outage Analysis/Section 3b	
Reliability {Reporting Calendar Year)	Madž Duration {hr) - CELID{s)	Numerical	IEEE 1366 CELID {single)	Customer Outage Analysis/Section 3b	
Reliability {Reporting Calendar Year)	Total Duration {hr) - CELID{t)	Numerical	IEEE 1366 CELID {total)	Customer Outage Analysis/Section 3b	
Reliability {Reporting Calendar Year)	Average Duration {hr)	Numerical		Customer Outage Analysis/Section 3a	
Reliability {Reporting Calendar Year)	CEMI {5ʜ) for 5 Years	Y/N	IEEE 1366 CEMI - Customer edžperience a CEMI {5ʜ) for 5 consecutive years	Customer Outage Analysis/Section 3b	

Customer Notifications from Customer Reliability Reporting Template (Grid Reliability OIR R.24-05-023)

General Category/Description	Field	General Category/Description	Data Type/Entry	Referenced Section	Eotes
Primary key of customer	MeterID	Unique ID for a specific meter. Must be a traceable stable ID within the electrical corporation's operations/processes. Primary key for the Customer Meter feature. This field is required.	Integer	1 COA	Many
Primary key of outage	OutageID	The unique ID for outage event. Primary key for the Transmission Unplanned Outage feature class. This field is required	Text	1.1 GP	Many
Reliability {Reporting Calendar Year)	BeforeNotification	Was a notification sent to customer prior to a planned outage.	Domain: Yes, No	1.1 GP	
Reliability {Reporting Calendar Year)	BeforeNotificationType	Type of notification sent. Null if no notification.	Domain for Methodology: Letters, Text, Calls, Door knocks, Other, see comment	1.1 GP	
Reliability {Reporting Calendar Year)	BeforeNotificationTypeComment	Provide comment if "Other, see comment" was utilized in BeforeNotificationType.	Text	1.1 GP	
Reliability {Reporting Calendar Year)	DuringNotification	Was a notification sent to customer during the outage.	Domain: Yes, No	1.1 GP	
Reliability {Reporting Calendar Year)	DuringNotificationType	Type of notification sent. Null if no notification.	Domain for Methodology: Letters, Text, Calls, Door knocks, Other, see comment	1.1 GP	
Reliability {Reporting Calendar Year)	DuringNotificationTypeComment	Provide comment if "Other, see comment" was utilized in DuringNotificationType.	Text	1.1 GP	
Reliability {Reporting Calendar Year)	AfterNotification	Was a notification sent to customer after the outage.	Domain: Yes, No	1.1 GP	
Reliability {Reporting Calendar Year)	AfterNotificationType	Type of notification sent. Null if no notification was sent to the customer.	Domain for Methodology: Letters, Text, Calls, Door knocks, Other, see comment	1.1 GP	
Reliability {Reporting Calendar Year)	AfterNotificationTypeComment	Provide comment if "Other, see comment" was utilized in AfterNotificationType.	Text	1.1 GP	

Outage Level from Customer Reliability Reporting Template (Grid Reliability OIR R.24-05-023)

General Category/Description	Field	General Category/Description	Data Type/Entry	Referenced Section	Eotes
Primary Key of outage	OutageID	Primary key for Outage feature class. This field is required.	Text	1.1 GP	
Reliability {Reporting Calendar Year)	PlannedUnplanned	Was the outage planned our unplanned.	Domain: Planned, Unplanned	2 GP	
Reliability {Reporting Calendar Year)	**StartTime**	**Date and time value of outage start**	**Date/Time**	**COA 3.a**	
Reliability {Reporting Calendar Year)	**EndTime**	**Date and time value of outage end**	**Date/Time**	**COA 3.a**	
Reliability {Reporting Calendar Year)	BasicCause	High-level category for event cause. Possible values: • Dig-in • Fire • Object contact • Vegetation contact • Equipment failure • Wire-to-wire contact • Contamination • Vandalism/theft • Lightning • Government agency request • Customer request • Emergency repairs • Unknown • Planned • Other, see comment	Domain: see description	2 GP, 1a COA, 1b COA	
Reliability {Reporting Calendar Year)	**Planned_PSPS**	**Was the outage planned as a PSPS event.**	**Boolean (Yes, No)**	**COA 3.a**	
Reliability {Reporting Calendar Year)	**Planned_PEDS**	**Was the outage planned as a PEDS event.**	**Boolean (Yes, No)**	**COA 3.a**	
Reliability {Reporting Calendar Year)	BasicCauseComment	Add "Other, see comment" details	Domain: see description	2 GP, 1a COA, 1b COA	
Reliability {Reporting Calendar Year)	RapidFaultSetting	Identify whether rapid fault detection settings were used for this outage (aka EPSS, fast trip, fast curve, etc.). Possible values: • Yes • No This field is required.	Domain: Yes, No	1c COA, 3e COA	
Reliability {Reporting Calendar Year)	ReclosureSetting	If the subject circuit is equipped with reclosing capabilities, indicate whether the reclose function was enabled or disabled at the time of the outage. If the subject circuit is not equipped with reclosing capabilities, enter “N/A.” Possible values: • Enabled • Disabled • N/A This field is required.	Domain: Enabled, Disabled, N/A	1c COA, 3e COA	
Reliability **{Reporting Calendar Year)**	**AFN_Customers**	Count of customers with active AFN status impacted by outage	**Integer**	**4 DUA**	

Reliability {Reporting Calendar Year)	**MBL_Customers**	Count of customers with active MBL status impacted by outage	**Integer**	**4 DUA**	
Reliability {Reporting Calendar Year)	**Essential_Customers**	Count of customers with active Essential Customer status impacted by outage	**Integer[13]**	**4 DUA**	
Reliability {Reporting Calendar Year)	IsolationDeviceType	Type of protective device that operated. Possible values: • Circuit breaker • Fuse • Recloser • Switch • Other, see comment • Use "N/A" only where no device operated.	Domain: Circuit breaker, fuse, reclosure, switch	1c COA	
Foreign key of circuit	CircuitID	ID of circuit associated with asset. Foreign key to the asset line features if the electrical corporation does not have persistent unique segment IDs. This field OR SegmentID is required.	Integer	3f COA	

[13] See opening comments of Public Advocates Office, January 9, 2026, at 5-6 ("The customer status associated with a meter is not static. Customers may enroll in or disenroll from Medical Baseline or AFN programs, customers may move to different addresses, and new customers may move into a location previously occupied by an AFN customer. Because many of these changes will occur over the course of a year, a single annual report will contain inaccuracies unless the utilities evaluate and provide information on customer status at the time of each outage event. The utilities must clarify how they propose to accurately record a given outage's impact on a sensitive customer class on a per-event basis, maintaining a record of changes throughout the year."); reply comments of Public Advocates Office, January 26, 2026, at 5 ("Cal Advocates also points out that the customer status associated with a meter is not static; for example, a customer may become AFN or Medical Baseline or customers may move to different addresses. As many of these changes will occur over a year, a single annual report will contain inaccuracies unless the utilities evaluate and provide information on customer status at the time of each event."); opening comments of Center for Accessible Technology, January 9, 2026, at 5-7 ("While the AFN definition from GO 166 is appropriate, the Commission should also require utilities to separately break out data about 'Known Customers with Disabilities or Medical Needs.' This population faces unique heightened health and safety risks during power outages that require specific analysis beyond the broader AFN category."); opening comments of Joint Local Governments and Joint CCAs, January 9, 2026, at 3 ("Essential Customers are defined in the Shared Definitions but do not appear in the itemized 'Customer Types' list. Outage impacts to essential customers—which include critical infrastructure and public safety partners—are integral to understanding community impacts and public safety risks during outages.").

Appendix C: WMDR Schema
List of Reference Feature Classes

Please note, existing quarterly WMP reporting already provides a comprehensive view of the following infrastructure and initiatives performed within the electrical corporations service territories. Joint utilities are providing the existing schema of this report in the appendix to use as reference and to satisfy the guiding principles regarding mitigation and prevention insights.

Primary Distribution Line
Transmission Line
Substation
Grid Hardening
Asset Inspection
Vegetation Inspection
Vegetation Management

Primary Distribution Line Feature Class

Feature	Field	Description	Aligns with Office of Energy Infrastructures mandatory Data Guidelines Reporting?	Data Guidelines Location, Page#	Data Type
Primary Distribution Line	SegmentID	Unique ID of circuit segment. Must be a unique value that identifies this portion of the circuit and a traceable stable ID within the electrical corporation's operations/processes. Primary Key for the feature class unless the electrical corporation does not uniquely identify segments with persistent IDs. This field is required IF the electrical corporation has persistent stable IDs for circuit segments. A segment may be anything more granular than a circuit, including a single span.	Yes	18	Text
Primary Distribution Line	CircuitID	Unique ID for a specific circuit. Must be a traceable stable ID within the electrical corporation's operations/processes. Primary Key for the feature class if the electrical corporation does not uniquely identify segments with persistent IDs. This field is required.	Yes	18	Text
Primary Distribution Line	UtilityID	Standardized identification name of the electrical corporation. Possible values: • BVES • HWT • Liberty • LS Power • PacifiCorp • PG&E • SCE • SDG&E • TBC This field is required.	Yes	18	Domain
Primary Distribution Line	SubstationID	ID of substation associated with asset. Foreign key to the Substation feature. This field is required.	Yes	18	Text
Primary Distribution Line	CircuitName	Name of circuit associated with asset. Leave null if there is no unique circuit name that is different than the circuit ID. There is no need to repeat CircuitID values in this field. This field is optional.	Yes	18	Text
Primary Distribution Line	ConductorType	Type of conductor. Possible values: • Bare • Covered • Insulated • Other, see comment This field is required.	Yes	18	Domain
Primary Distribution Line	ConductorTypeComment	Conductor type not listed in the options above. This field is required IF ConductorType is "Other, see comment".	Yes	18	Text
Primary Distribution Line	AssetOHUG	Is the asset overhead or underground? Possible values: • Overhead • Underground This field is required.	Yes	19	Domain
Primary Distribution Line	NominalVoltagekV	Nominal voltage (in kilovolts) of conductor. Do not use more than two decimal places. This field is required.	Yes	19	Number
Primary Distribution Line	OperatingVoltagekV	Operating voltage (in kilovolts) of conductor. Do not use more than two decimal places. This field is required.	Yes	19	Number

Primary Distribution Line	SubstationName	Name of substation associated with asset. This field is optional.	Yes	19	Text
Primary Distribution Line	ConductorMaterial	Conductor material. Possible values: • All aluminum conductor (AAC) • All aluminum alloy conductor (AAAC) • Aluminum conductor aluminum reinforced (ACAR) • Aluminum conductor steel reinforced (ACSR) • Aluminum conductor steel supported (ACSS) • Copper (Cu) • Other, see comment This field is required.	Yes	19	Domain
Primary Distribution Line	ConductorMaterialComment	Conductor material not listed in the options above. This field is required IF ConductorMaterial is “Other, see comment”.	Yes	19	Text
Primary Distribution Line	ConductorSize	Size of conductor (e.g., No. 4 Cu or 1/0 ACSR). This field is required.	Yes	19	Text
Primary Distribution Line	ConductorOD	Overall diameter of the conductor in inches. This field is required.	Yes	19	Number
Primary Distribution Line	LastInspectionDate	Date of the last inspection. This field is required.	Yes	19	Date
Primary Distribution Line	LastMaintenanceDate	Date of the last maintenance. This field is required.	Yes	19	Date
Primary Distribution Line	InstallationDate	Date the asset was installed. This field OR InstallationYear OR EstimatedAge is required.	Yes	19	Date
Primary Distribution Line	InstallationYear	Year of asset installation. Use four digits. This field OR InstallationDate OR EstimatedAge is required.	Yes	19	Number
Primary Distribution Line	EstimatedAge	The estimated age of the asset in years. Only use this field if the InstallationYear and InstallationDate values are unknown. Possible values: • 0-9 • 10-19 • 20-29 • 30-39 • 40-49 • 50-59 • 60-69 • 70-79 • 80-89 • 90-99 • 100+ This field OR InstallationDate OR InstallationYear is required.	Yes	19	Domain
Primary Distribution Line	UsefulLifespan	The number of years an asset is expected to have a useful functioning existence upon initial installation. This field is required.	Yes	19	Number
Primary Distribution Line	AmpacityRating	Nominal ampacity rating of the conductor in amperes. This field is required.	Yes	20	Number
Primary Distribution Line	OverallUtilityRisk	Overall risk calculated for the segment as required in WMP guidelines section 4. Note that the electrical corporation is not required to calculate risk for lines vs. support structures, only to do one or the other. Depending on the electrical corporation’s approach, it may report risk for line segments for some or all of its infrastructure, or it may calculate for both. This field is required IF the electrical corporation performs its risk ranking on primary distribution lines (rather than on support structures only).	Yes	20	Number

Primary Distribution Line	IgnitionRisk	Ignition risk (component of overall risk) calculated for the segment as required in WMP guidelines section 4. Note that the electrical corporation is not required to calculate risk for lines vs. support structures, only to do one or the other. Depending on the electrical corporation's approach, it may report risk for line segments for some or all of its infrastructure, or it may calculate for both. This field is required IF the electrical corporation performs its risk ranking on primary distribution lines (rather than on support structures only).	Yes	20	Number
Primary Distribution Line	PSPSRisk	PSPS Risk (component of overall risk) calculated for the segment as required in WMP guidelines section 4. Note that the electrical corporation is not required to calculate risk for lines vs. support structures, only to do one or the other. Depending on the electrical corporation's approach, it may report risk for line segments for some or all of its infrastructure, or it may calculate for both. This field is required IF the electrical corporation performs its risk ranking on primary distribution lines (rather than on support structures only).	Yes	20	Number

Transmission Feature Class

Feature	Field	Description	Aligns with Office of Energy Infrastructures mandatory Data Guidelines Reporting?	Data Guidelines Location, Page#	Data Type
Transmission Line	SegmentID	Unique ID of circuit segment. Must be a unique value that identifies this portion of the circuit and a traceable stable ID within the electrical corporation's operations/processes. Primary Key for the feature class unless the electrical corporation does not uniquely identify segments with persistent IDs. This field is required IF the electrical corporation has persistent stable IDs for circuit segments. A segment may be anything more granular than a circuit, including a single span.	Yes	23	Text
Transmission Line	CircuitID	Unique ID for a specific circuit. Must be a traceable stable ID within the electrical corporation's operations/processes. Primary Key for the feature class if the electrical corporation does not uniquely identify segments with persistent IDs. This field is required.	Yes	23	Text
Transmission Line	UtilityID	Standardized identification name of the electrical corporation. Possible values: • BVES • HWT • Liberty • LS Power • PacifiCorp • PG&E • SCE • SDG&E • TBC This field is required.	Yes	23	Domain
Transmission Line	LineClass	Classification of line asset. Possible values: • Transmission • Sub-Transmission This field is required.	Yes	23	Domain
Transmission Line	CircuitName	Name of circuit associated with asset. Leave null if there is no unique circuit name that is different than the circuit ID. There is no need to repeat CircuitID values in this field. This field is optional.	Yes	23	Text
Transmission Line	ConductorType	Type of conductor. Possible values: • Bare • Covered • Insulated • Other, see comment This field is required.	Yes	23	Domain
Transmission Line	ConductorTypeComment	Conductor type not listed in the options above. This field is required IF ConductorType is "Other, see comment".	Yes	23	Text
Transmission Line	AssetOHUG	Is the asset overhead or underground? Possible values: • Overhead • Underground This field is required.	Yes	23	Domain
Transmission Line	NominalVoltagekV	Nominal voltage (in kilovolts) of conductor. Do not use more than two decimal places. This field is required.	Yes	24	Number
Transmission Line	OperatingVoltagekV	Operating voltage (in kilovolts) of conductor. Do not use more than two decimal places. This field is required.	Yes	24	Number

Transmission Line	ConductorMaterial	Conductor material. Possible values: • All aluminum conductor (AAC) • All aluminum alloy conductor (AAAC) • Aluminum conductor aluminum reinforced (ACAR) • Aluminum conductor steel reinforced (ACSR) • Aluminum conductor steel supported (ACSS) • Copper (Cu) • Other, see comment This field is required.	Yes	24	Domain
Transmission Line	ConductorMaterialComment	Conductor material not listed in the options above. This field is required IF ConductorMaterial is “Other, see comment”.	Yes	24	Text
Transmission Line	ConductorSize	Size of conductor (e.g., No. 4 Cu or 1/0 ACSR). This field is required.	Yes	24	Text
Transmission Line	ConductorOD	Overall diameter of the conductor in inches. This field is required.	Yes	24	Number
Transmission Line	LastInspectionDate	Date of the last inspection. This field is required.	Yes	24	Date
Transmission Line	LastMaintenanceDate	Date of the last maintenance. This field is required.	Yes	24	Date
Transmission Line	InstallationDate	Date the asset was installed. This field OR InstallationYear OR EstimatedAge is required.	Yes	24	Date
Transmission Line	InstallationYear	Year of asset installation. Use four digits. This field OR InstallationDate OR EstimatedAge is required.	Yes	24	Number
Transmission Line	EstimatedAge	The estimated age of the asset in years. Only use this field if the InstallationYear and InstallationDate values are unknown. Possible values: • 0-9 • 10-19 • 20-29 • 30-39 • 40-49 • 50-59 • 60-69 • 70-79 • 80-89 • 90-99 • 100+ This field OR InstallationDate OR InstallationYear is required.	Yes	24	Domain
Transmission Line	UsefulLifespan	The number of years an asset is expected to have a useful functioning existence upon initial installation. This field is required.	Yes	24	Number
Transmission Line	AmpacityRating	Nominal ampacity rating of the conductor in amperes. This field is required.	Yes	24	Number
Transmission Line	OverallUtilityRisk	Overall risk calculated for the segment as required in WMP guidelines section 4. Note that the electrical corporation is not required to calculate risk for lines vs. support structures, only to do one or the other. Depending on the electrical corporation’s approach, it may report risk for line segments for some or all of its infrastructure, or it may calculate for both. This field is required IF the electrical corporation performs its risk ranking on transmission lines (rather than on support structures only).	Yes	24	Number

Transmission Line	IgnitionRisk	Ignition risk (component of overall risk) calculated for the segment as required in WMP guidelines section 4. Note that the electrical corporation is not required to calculate risk for lines vs. support structures, only to do one or the other. Depending on the electrical corporation's approach, it may report risk for line segments for some or all of its infrastructure, or it may calculate for both. This field is required IF the electrical corporation performs its risk ranking on transmission lines (rather than on support structures only).	Yes	25	Number
Transmission Line	PSPSRisk	PSPS Risk (component of overall risk) calculated for the segment as required in WMP guidelines section 4. Note that the electrical corporation is not required to calculate risk for lines vs. support structures, only to do one or the other. Depending on the electrical corporation's approach, it may report risk for line segments for some or all of its infrastructure, or it may calculate for both. This field is required IF the electrical corporation performs its risk ranking on transmission lines (rather than on support structures only).	Yes	25	Number

Substation Feature Class

Feature	Field	Description	Aligns with Office of Energy Infrastructures mandatory Data Guidelines Reporting?	Data Guidelines Location, Page#	Data Type
Substation	SubstationID	ID of substation associated with asset. Must be a traceable stable ID within the electrical corporation's operations/processes. Primary key for the Substation feature. This field is required.	Yes	34	Text
Substation	UtilityID	Standardized identification name of the electrical corporation. Possible values: • BVES • HWT • Liberty • LS Power • PacifiCorp • PG&E • SCE • SDG&E • TBC This field is required.	Yes	34	Domain
Substation	SubstationName	Name of substation. This field is optional.	Yes	34	Text
Substation	SubstationNominalVoltagekV	Nominal voltage (in kilovolts) ratings associated with the substation. Include all applicable voltages separated by slashes (e.g., "230/139/69/12"). Ranges are also acceptable (e.g., "0-60"). This field is required.	Yes	34	Text
Substation	SubstationOperatingVoltagekV	Operating voltage (in kilovolts) ratings associated with the substation. Include all applicable voltages separated by slashes (e.g., "230/139/69/12"). Ranges are also acceptable (e.g., "0-60"). This field is required.	Yes	34	Text
Substation	SubstationRating	Power rating of the substation in mega volt amps (MVAs). This field is required.	Yes	34	Number
Substation	LastInspectionDate	Date of the last inspection. This field is required.	Yes	34	Date
Substation	InstallationDate	Date the first asset of the substation was installed. This field OR InstallationYear is required.	Yes	34	Date
Substation	InstallationYear	Year of asset installation. Use four digits. This field OR InstallationDate is required.	Yes	34	Number
Substation	HFTDClass	The CPUC high-fire threat district (HFTD) area the asset intersects. For these data, anything outside Tiers 2 and 3 must be categorized as "Non-HFTD." Do not record any Zone 1 or Tier 1 values. Possible values: • Tier 3 • Tier 2 • Non-HFTD • HFTD data can be downloaded from: https://ia.cpuc.ca.gov/firemap. This field is required.	Yes	35	Domain

Grid Hardening Feature Class

Feature	Field	Description	Aligns with Office of Energy Infrastructures mandatory Data Guidelines Reporting?	Data Guidelines Location, Page#	Data Type
Grid Hardening Line	GhID	Unique ID or job ID of a grid hardening activity. Primary key for the Grid Hardening Line feature class. This field is required.	Yes	58	Text
Grid Hardening Line	AssetOHUG	Is the asset overhead or underground? Possible values: • Overhead • Underground This field is required.	Yes	58	Domain
Grid Hardening Line	UtilityID	Standardized identification name of the electrical corporation. Possible values: • BVES • HWT • Liberty • LS Power • PacifiCorp • PG&E • SCE • SDG&E • TBC This field is required.	Yes	59	Domain
Grid Hardening Line	UMATID	This is the Utility Mitigation Activity Tracking ID, a unique tracking ID for a given activity. This ID must match the UTILITY MITIGATION ACTIVITY TRACKING ID and UMAT fields for the same activity in all data submissions for the activity's entire lifecycle. This field must correspond with the Utility Mitigation Activity Tracking ID referenced where the activity is discussed in the electrical corporation's WMP(s). This field should remain static even if WMP category, WMP initiative, or WMP Section numbers change. This field is required.	Yes	59	Text
Grid Hardening Line	SegmentID	ID of specific circuit segment on which work was done. Foreign key to the Asset Line feature classes if the electrical corporation has persistent unique segment IDs. A segment may be anything more granular than a circuit, including a single span. This field is required IF the activity represented by the point is focused on conductor AND the electrical corporation has persistent stable IDs for circuit segments.	Yes	59	Text
Grid Hardening Line	CircuitID	ID of specific circuit on which work was done. Foreign key to the Asset Line feature classes if the electrical corporation does not have persistent unique segment IDs. This field is required IF the activity represented by the point is focused on conductor AND SegmentID is not populated.	Yes	59	Text

Grid Hardening Line	LineClass	Identifies the feature class where the Segment or Circuit ID should be found. Possible values: • Transmission Line • Primary Distribution Line • Secondary Distribution Line This field is required IF the activity represented by the point is focused on conductor.	Yes	59	Domain
Grid Hardening Line	GridHardeningLocationOrAddress	Address or location description for the grid hardening location. This field is optional.	Yes	59	Text
Grid Hardening Line	WMPInitiative	The name of the WMP mitigation initiative, as defined by Energy Safety, under which the activity is organized. See Appendix C. WMP Initiative Classification for acceptable field values.	Yes	59	Text
Grid Hardening Line	WMPActivity	The name for the WMP mitigation activity. This will be defined either by the electrical corporation or Energy Safety, according to Appendix A of the WMP Guidelines. See Appendix C. WMP Initiative Classification for acceptable field values of activities defined by Energy Safety. This field is required.	Yes	59	Text
Grid Hardening Line	ActivityDescription	Description of the activity.	Yes	59	Text
Grid Hardening Line	WMPSection	Section of the electrical corporation's most recent WMP explaining the initiative. This field is required.	Yes	59	Text
Grid Hardening Line	DescriptionOfWork	Additional description of the grid hardening work. This field is optional.	Yes	59	Text
Grid Hardening Line	FieldNotes	Any additional notes, particularly from field workers. This field is optional.	Yes	59	Text
Grid Hardening Line	GhStatus	The status of the grid hardening activity. Possible values: • Planned • In progress • Complete This field is required.	Yes	60	Domain
Grid Hardening Line	UnitsRepresented	The number of initiative target units represented by the line, if not equal to the line's length. Blank (null) values will be interpreted as the line representing its length. This field is required IF the line represents a different number of units than its length.	Yes	60	Number
Grid Hardening Line	StartDate	Start date of the grid hardening project. If exact date is not known, may approximate as first day of the month in which project began. This field is required IF GhStatus is "In progress" OR "Complete".	Yes	60	Date
Grid Hardening Line	Endite	Completion date of the grid hardening project. If exact date is not known, may approximate as last day of month in which project was completed. This field is required IF GhStatus is "Complete".	Yes	60	Date
Grid Hardening Line	LineDeenergized	Do lines need to be de-energized to perform the work? Possible values: • Yes • No This field is required.	Yes	60	Domain

Grid Hardening Line	PerformedBy	Who performed the grid hardening activity? Possible values: • Utility staff • Contractor • Other, see comment This field is required.	Yes	60	Domain
Grid Hardening Line	PerformedByComment	Entity that performed grid hardening and is not listed in options above. This field is required IF PerformedBy is “Other, see comment”.	Yes	60	Text
Grid Hardening Line	HFTDClass	The CPUC High Fire Threat District (HFTD) area that the grid hardening project intersects. For these data, anything outside Tiers 2 and 3 must be categorized as “NonHFTD.” Do not record any Zone 1 or Tier 1 values. If a data line spans multiple HFTD areas, list them under the “HFTDClassComment” field. Possible values: • Tier 3 • Tier 2 • Non-HFTD • Multiple, see comment • HFTD data can be downloaded from: https://ia.cpuc.ca.gov/firemap. This field is required.	Yes	60	Domain
Grid Hardening Line	HFTDClassComment	If the project line intersects multiple HFTD areas, list all of them here. This field is required IF HFTDClass is “Multiple, see comment”.	Yes	60	Text
Grid Hardening Point	GhID	Unique ID or job ID of a grid hardening activity. Primary key for the Grid Hardening Point feature class. This field is required.	Yes	60	Text
Grid Hardening Point	AssetLocation	Is the asset overhead or underground? Possible values: • Overhead • Underground • Surface (Padmount) This field is required.	Yes	61	Domain
Grid Hardening Point	UtilityID	Standardized identification name of the electrical corporation. Possible values: • BVES • HWT • Liberty • LS Power • PacifiCorp • PG&E • SCE • SDG&E • TBC This field is required.	Yes	61	Domain
Grid Hardening Point	UMATID	This is the Utility Mitigation Activity Tracking ID, a unique tracking ID for a given activity. This ID must match the UTILITY MITIGATION ACTIVITY TRACKING ID and UMAT fields for the same activity in all data submissions for the activity’s entire lifecycle. This field must correspond with the Utility Mitigation Activity Tracking ID referenced where the activity is discussed in the electrical corporation’s WMP(s). This field should remain static even if WMP category, WMP initiative, or WMP Section numbers change. This field is required.	Yes	61	Text
Grid Hardening Point	AssetID	Unique ID for a specific point asset. Foreign key to all the related Asset Point feature class attribute tables. For Support Structure, use Support Structure ID. For Transformer Site, use Transformer Site ID. This field is required IF the activity represented by the point is focused on an individual asset recorded as a point in data submitted to Energy Safety.	Yes	61	Text

Grid Hardening Point	AssetFeature	Identifies the feature class where the asset ID should be found. Possible values: • Camera • Connection Device • Fuse • Lightning Arrester • Substation • Support Structure • Switchgear • Transformer Site • Weather Station This field is required IF the activity represented by the point is focused on an individual asset recorded as a point in data submitted to Energy Safety.	Yes	61	Domain
Grid Hardening Point	SegmentID	ID of specific circuit segment inspected, if any. Foreign key to the Asset Line feature classes if the electrical corporation has persistent unique segment IDs. A segment may be anything more granular than a circuit, including a single span. This field is required IF the activity represented by the point is focused on conductor AND the electrical corporation has persistent stable IDs for circuit segments.	Yes	61	Text
Grid Hardening Point	CircuitID	ID of specific circuit inspected, if any. Foreign key to the Asset Line feature classes if the electrical corporation does not have persistent unique segment IDs. This field is required IF the activity represented by the point is focused on conductor AND SegmentID is not populated.	Yes	62	Text
Grid Hardening Point	LineClass	Identifies the feature class where the Segment or Circuit ID should be found. Possible values: • Transmission Line • Primary Distribution Line • Secondary Distribution Line This field is required IF the activity represented by the point is focused on conductor.	Yes	62	Domain
Grid Hardening Point	GridHardeningLocationOrAddress	Address or location description for the grid hardening location. This field is optional.	Yes	62	Text
Grid Hardening Point	WMPInitiative	The name of the WMP mitigation initiative, as defined by Energy Safety, under which the activity is organized. See Appendix C. WMP Initiative Classification for acceptable field values.	Yes	62	Text
Grid Hardening Point	WMPActivity	The name for the WMP mitigation activity. This will be defined either by the electrical corporation or Energy Safety, according to Appendix A of the WMP Guidelines. See Appendix C. WMP Initiative Classification for acceptable field values of activities defined by Energy Safety. This field is required.	Yes	62	Text
Grid Hardening Point	ActivityDescription	Description of the activity.	Yes	62	Text
Grid Hardening Point	WMPSection	Section of the electrical corporation’s most recent WMP explaining the initiative. This field is required.	Yes	62	Domain

Grid Hardening Point	DescriptionOfWork	Additional description of the grid hardening work. This field is optional.	Yes	62	Text
Grid Hardening Point	FieldNotes	Any additional notes, particularly from field workers. This field is optional.	Yes	62	Text
Grid Hardening Point	GhStatus	The status of the grid hardening activity. Possible values: • Planned • In progress • Complete This field is required.	Yes	62	Domain
Grid Hardening Point	UnitsRepresented	The number of initiative target units represented by the point if more than 1. For example, the electrical corporation may represent multiple assets replaced at a single location with one point. Blank (null) and “1” values will be interpreted as representing a single unit. This field is required IF the point represents more than 1 target unit.	Yes	62	Number
Grid Hardening Point	StartDate	Start date of the grid hardening project. If exact date is not known, may approximate as first day of the month in which project began. This field is required IF GhStatus is “In progress” OR “Complete”.	Yes	62	Date
Grid Hardening Point	EndDate	Completion date of the grid hardening project. If exact date is not known, may approximate as last day of month in which project was completed. Not required for projects which are in progress. This field is required IF GhStatus is “Complete”.	Yes	62	Date
Grid Hardening Point	LineDeenergized	Do lines need to be de-energized to perform the work? Possible values: • Yes • No This field is required.	Yes	63	Domain
Grid Hardening Point	PerformedBy	Who performed the grid hardening activity? Possible values: • Utility staff • Contractor • Other, see comment This field is required.	Yes	63	Domain
Grid Hardening Point	PerformedByComment	Entity that performed grid hardening and is not listed in options above. This field is required IF PerformedBy is “Other, see comment”.	Yes	63	Text
Grid Hardening Point	HFTDClass	The CPUC high-fire threat district (HFTD) area the grid hardening project intersects. For these data, anything outside Tiers 2 and 3 must be categorized as “Non-HFTD.” Do not record any Zone 1 or Tier 1 values. Possible values: • Tier 3 • Tier 2 • Non-HFTD • HFTD data can be downloaded from: https://ia.cpuc.ca.gov/firemap. This field is required.	Yes	63	Domain

Asset Inspection Feature Class

Feature	Field	Description	Aligns with Office of Energy Infrastructures mandatory Data Guidelines Reporting?	Data Guidelines Location, Page#	Data Type
Asset Inspection Line	AiID	Unique ID or job ID of an asset inspection activity. Primary key for the Asset Inspection Line feature class. This field is required.	Yes	48	Text
Asset Inspection Line	UtilityID	Standardized identification name of the electrical corporation. Possible values: • BVES • HWT • Liberty • LS Power • PacifiCorp • PG&E • SCE • SDG&E • TBC This field is required.	Yes	48	Domain
Asset Inspection Line	UMATID	This is the Utility Mitigation Activity Tracking ID, a unique tracking ID for a given activity. This ID must match the UTILITY MITIGATION ACTIVITY TRACKING ID and UMATID fields for the same activity in all data submissions for the activity's entire lifecycle. This field must correspond with the Utility Mitigation Activity Tracking ID referenced where the activity is discussed in the electrical corporation's WMP(s). This field should remain static even if WMP category, WMP initiative, or WMP Section numbers change. This field is required.	Yes	48	Text
Asset Inspection Line	ActivityClass	Was the activity performed ONLY to meet requirements of statute or regulation, or done at the electrical corporation's discretion? Inspections done at increased frequency relative to requirements or normal operations are considered discretionary. • Possible values: • Regulatory • Discretionary This field is required.	Yes	48	Domain
Asset Inspection Line	SegmentID	ID of specific circuit segment inspected. Foreign key to the Asset Line feature classes if the electrical corporation has persistent unique segment IDs. A segment may be anything more granular than a circuit, including a single span. This field is required IF the inspection activity represented by the point is focused on conductor AND the electrical corporation has persistent stable IDs for circuit segments.	Yes	48	Text

Asset Inspection Line	CircuitID	ID of specific circuit inspected. Foreign key to the Asset Line feature classes if the electrical corporation does not have persistent unique segment IDs. This field is required IF the inspection activity represented by the point is focused on conductor AND SegmentID is not populated.	Yes	48	Text
Asset Inspection Line	LineClass	Identifies the feature class where the Segment ID should be found. Possible values: • Transmission Line • Primary Distribution Line • Secondary Distribution Line This field is required IF the inspection activity represented by the line is focused on conductor.	Yes	48	Domain
Asset Inspection Line	InspectionLocationOrAddress	Address or location description for the inspection location. This field is optional.	Yes	48	Text
Asset Inspection Line	WMPInitiative	The name of the WMP mitigation initiative, as defined by Energy Safety, under which the activity is organized. See Appendix C. WMP Initiative Classification for acceptable field values.	Yes	49	Text
Asset Inspection Line	WMPActivity	The name for the WMP mitigation activity. This will be defined either by the electrical corporation or Energy Safety, according to Appendix A of the WMP Guidelines. See Appendix C. WMP Initiative Classification for acceptable field values of activities defined by Energy Safety. This field is required.	Yes	49	Text
Asset Inspection Line	ActivityDescription	Description of the activity.	Yes	49	Text
Asset Inspection Line	InspectionProgramName	Inspection program name for the inspection activity. This must match the program name as specified in the electrical corporation's WMP. This may be the same as "WMP Activity". This field is required.	Yes	49	Text
Asset Inspection Line	WMPSection	Section of the electrical corporation's most recent WMP explaining the initiative. This field is required.	Yes	49	Text
Asset Inspection Line	InspectionStatus	Status of the asset inspection. Possible Values: • Planned • In progress • Complete This field is required.	Yes	49	Domain
Asset Inspection Line	UnitsRepresented	The number of initiative target units represented by the line, if not equal to the line's length. Blank (null) values will be interpreted as the line representing its length. This field is required IF the line represents a different number of units than its length.	Yes	49	Number

Asset Inspection Line	InspectionStartDate	The date when an asset inspection began. If exact date is not known, may • approximate as first day of the month in which inspection began. This field is required IF InspectionStatus is “In progress” OR “Complete”.	Yes	49	Date
Asset Inspection Line	InspectionEndDate	The date when an asset inspection was completed. If the asset inspection was started and completed on the same day, “InspectionStartDate” and “InspectionEndDate” will have the same value. If exact date is not known, may approximate as last day of the month in which inspection was completed. This field is required IF InspectionStatus is “Complete”.	Yes	49	Date
Asset Inspection Line	PerformedBy	Who performed the asset inspection? Possible values: • Utility staff • Contractor • Other, see comment This field is required.	Yes	49	Domain
Asset Inspection Line	PerformedByComment	Inspector description not listed in the options above. This field is required IF PerformedBy is “Other, see comment”.	Yes	49	Text
Asset Inspection Line	InspectionType	The type of asset inspection performed. Possible values: • Patrol • Detailed • Pole loading • Other, see comment This field is required.	Yes	49	Domain
Asset Inspection Line	InspectionTypeComment	Inspection type description not listed in the options above. This field is required IF InspectionType is “Other, see comment”	Yes	49	Text
Asset Inspection Line	InspectionComment	Additional comments related to the asset management inspection. This field is optional.	Yes	50	Text
Asset Inspection Line	FindingL1	Number of Level 1 findings per GO 95 rule 18-B1. This field is required.	Yes	50	Number
Asset Inspection Line	FindingL2	Number of Level 2 findings per GO 95 rule 18-B1. This field is required.	Yes	50	Number
Asset Inspection Line	FindingL3	Number of Level 3 findings per GO 95 rule 18-B1. This field is required.	Yes	50	Number
Asset Inspection Line	InspectionMethod	The method by which the asset inspection was conducted. Possible values: • Ground inspection • Climbing • Lift/bucket truck • Aerial: drone • Aerial: helicopter • Aerial: fixed wing • Other, see comment • “Aerial – drone” should be used for all unmanned aerial vehicles regardless of configuration (rotor vs. fixed-wing). “Lift/bucket truck” should be used for any similar methods. “Ground inspection” should be understood not to involve any climbing or lifting equipment or drone technology. This field is required.	Yes	50	Domain

Asset Inspection Line	InspectionMethodComment	Inspection method not listed in the options above—or multiple inspection methods listed in the options above. If multiple, list all values separated by commas. This field is required IF InspectionMethod is “Other, see comment”.	Yes	50	Text
Asset Inspection Line	DataCaptureSensorType	Type of sensor used to record data during the inspection, if any. Do not identify sensors used only for real-time visualization during the inspection. Possible values: • None • Aerial laser scanning • Terrestrial laser scanning • Aerial imagery (visible) • Aerial imagery (thermal) • Other, see comment This field is required.	Yes	50	Domain
Asset Inspection Line	DataCaptureSensorTypeComment	Type of sensor other than those identified as options in the Data Capture Sensor Type field. This field is required IF DataCaptureSensorType is “Other, see comment”.	Yes	50	Text
Asset Inspection Line	FieldNotes	Any additional notes, particularly from field workers. This field is optional.	Yes	50	Text
Asset Inspection Line	HFTDClass	The CPUC High Fire Threat District (HFTD) area that the asset inspection intersects. For these data, anything outside Tiers 2 and 3 must be categorized as “Non-HFTD.” Do not record any Zone 1 or Tier 1 values. If a data line spans multiple HFTD areas, list them under the “HFTDClassComment” field. Possible values: • Tier 3 • Tier 2 • Non-HFTD • Multiple, see comment • HFTD data can be downloaded from: https://ia.cpuc.ca.gov/firemap. This field is required.	Yes	50	Domain
Asset Inspection Line	HFTDClassComment	If the project line intersects multiple HFTD areas, list all of them here. This field is required IF HFTDClass is “Multiple, see comment”.	Yes	50	Text
Asset Inspection Point	AiID	Unique ID or job ID of an asset inspection activity. Primary key for the Asset Inspection Point feature class. This field is required.	Yes	51	Text
Asset Inspection Point	UtilityID	Standardized identification name of the electrical corporation. Possible values: • BVES • HWT • Liberty • LS Power • PacifiCorp • PG&E • SCE • SDG&E • TBC This field is required.	Yes	51	Domain

Asset Inspection Point	UMATID	This is the Utility Mitigation Activity Tracking ID, a unique tracking ID for a given activity. This ID must match the UTILITY MITIGATION ACTIVITY TRACKING ID AND UMAT fields for the same activity in all data submissions for the activity's entire lifecycle. This field must correspond with the Utility Mitigation Activity Tracking ID referenced where the activity is discussed in the electrical corporation's WMP(s). This field should remain static even if WMP category, WMP initiative, or WMP Section numbers change. This field is required.	Yes	51	Text
Asset Inspection Point	ActivityClass	Was the activity performed ONLY to meet requirements of statute or regulation, or done at the electrical corporation's discretion? Inspections done at increased frequency relative to requirements or normal operations are considered discretionary. • Possible values: • Regulatory • Discretionary This field is required.	Yes	51	Domain
Asset Inspection Point	AssetID	Unique ID for a specific point asset. Foreign key to all the related Asset Point feature class attribute tables. For Support Structure, use Support Structure ID. For Transformer Site, use Transformer Site ID. This field is required IF the inspection activity represented by the point is focused on an individual asset recorded as a point in data submitted to Energy Safety.	Yes	51	Text
Asset Inspection Point	AssetFeature	Identifies the feature class where the asset ID should be found. Possible values: • Camera • Connection Device • Fuse • Lightning Arrester • Substation • Support Structure • Switchgear • Transformer Site • Weather Station This field is required IF the inspection activity represented by the point is focused on an individual asset recorded as a point in data submitted to Energy Safety.	Yes	51	Domain
Asset Inspection Point	SegmentID	ID of specific circuit segment inspected, if any. Foreign key to the Asset Line feature classes if the electrical corporation has persistent unique segment IDs. A segment may be anything more granular than a circuit, including a single span. This field is required IF the inspection activity represented by the point is focused on conductor AND the electrical corporation has persistent stable IDs for circuit segments.	Yes	52	Text

Asset Inspection Point	CircuitID	ID of specific circuit inspected, if any. Foreign key to the Asset Line feature classes if the electrical corporation does not have persistent unique segment IDs. This field is required IF the inspection activity represented by the point is focused on conductor AND SegmentID is not populated.	Yes	52	Text
Asset Inspection Point	LineClass	Identifies the feature class where the Segment or Circuit ID should be found. Possible values: • Transmission Line • Primary Distribution Line • Secondary Distribution Line This field is required IF the inspection activity represented by the point is focused on conductor.	Yes	52	Domain
Asset Inspection Point	InspectionLocationOrAddress	Address or location description for the inspection location. This field is optional.	Yes	52	Text
Asset Inspection Point	WMPInitiative	The name of the WMP mitigation initiative, as defined by Energy Safety, under which the activity is organized. See Appendix C. WMP Initiative Classification for acceptable field values.	Yes	52	Text
Asset Inspection Point	WMPActivity	The name for the WMP mitigation activity. This will be defined either by the electrical corporation or Energy Safety, according to Appendix A of the WMP Guidelines. See Appendix C. WMP Initiative Classification for acceptable field values of activities defined by Energy Safety. This field is required.	Yes	52	Text
Asset Inspection Point	ActivityDescription	Description of the activity.	Yes	52	Text
Asset Inspection Point	InspectionProgramName	Inspection program name for the inspection activity. This must match the program name as specified in the electrical corporation's WMP. This may be the same as "WMP Activity". This field is required.	Yes	52	Text
Asset Inspection Point	WMPSection	Section of the electrical corporation's most recent WMP explaining the initiative. This field is required.	Yes	52	Text
Asset Inspection Point	InspectionStatus	Status of the asset inspection. Possible Values: • Planned • In progress • Complete This field is required.	Yes	52	Domain
Asset Inspection Point	UnitsRepresented	The number of initiative target units represented by the point if more than 1. For example, the electrical corporation may represent multiple assets inspected at a single location with one point. The electrical corporation may enter "1" if desired, however, this is not necessary, as blank (null) values will also be interpreted as representing a single unit. This field is required IF the point represents more than one target unit.	Yes	52	Number

Asset Inspection Point	InspectionStartDate	The date when an asset inspection began. If exact date is not known, may • approximate as first day of the month in which inspection began. This field is required IF InspectionStatus is “In progress” OR “Complete”.	Yes	52	Date
Asset Inspection Point	InspectionEndDate	The date when an asset inspection was completed. If the asset inspection was started and completed on the same day, “InspectionStartDate” and “InspectionEndDate” will have the same value. If exact date is not known, may approximate as last day of the month in which inspection was completed. This field is required IF InspectionStatus is “Complete”.	Yes	53	Date
Asset Inspection Point	PerformedBy	Who performed the asset inspection? Possible values: • Utility staff • Contractor • Other, see comment This field is required.	Yes	53	Domain
Asset Inspection Point	PerformedByComment	Inspector description not listed in the options above. This field is required IF PerformedBy is “Other, see comment”.	Yes	53	Text
Asset Inspection Point	InspectionType	The type of asset inspection performed. Possible values: • Patrol • Detailed • Pole loading • Other, see comment This field is required.	Yes	53	Domain
Asset Inspection Point	InspectionTypeComment	Inspection type description not listed in the options above. This field is required IF InspectionType is “Other, see comment”	Yes	53	Text
Asset Inspection Point	InspectionComment	Additional comments related to the asset management inspection. This field is optional.	Yes	53	Text
Asset Inspection Point	FindingL1	Number of Level 1 findings per GO 95 rule 18-B1. This field is required.	Yes	53	Number
Asset Inspection Point	FindingL2	Number of Level 2 findings per GO 95 rule 18-B1. This field is required.	Yes	53	Number
Asset Inspection Point	FindingL3	Number of Level 3 findings per GO 95 rule 18-B1. This field is required.	Yes	53	Number
Asset Inspection Point	InspectionMethod	The method by which the asset inspection was conducted. Possible values: • Ground inspection • Climbing • Lift/bucket truck • Aerial: drone • Aerial: helicopter • Aerial: fixed wing • Other, see comment • “Aerial – drone” should be used for all unmanned aerial vehicles regardless of configuration (rotor vs. fixed-wing). “Lift/bucket truck” should be used for any similar methods. “Ground inspection” should be understood not to involve any climbing or lifting equipment or drone technology. This field is required.	Yes	53	Domain

Asset Inspection Point	InspectionMethodComment	Inspection method not listed in the options above—or multiple inspection methods listed in the options above. If multiple, list all values separated by commas. This field is required IF InspectionMethod is “Other, see comment”.	Yes	53	Text
Asset Inspection Point	DataCaptureSensorType	Type of sensor used to record data during the inspection, if any. Do not identify sensors used only for real-time visualization during the inspection. Possible values: • None • Aerial laser scanning • Terrestrial laser scanning • Aerial imagery (visible) • Aerial imagery (thermal) • Other, see comment This field is required.	Yes	54	Domain
Asset Inspection Point	DataCaptureSensorTypeComment	Type of sensor other than those identified as options in the Data Capture Sensor Type field. This field is required IF DataCaptureSensorType is “Other, see comment”.	Yes	54	Text
Asset Inspection Point	FieldNotes	Any additional notes, particularly from field workers. This field is optional.	Yes	54	Text
Asset Inspection Point	HFTDClass	The CPUC high-fire threat district (HFTD) area the asset inspection intersects. For this data, anything outside Tiers 2 and 3 must be categorized as “Non-HFTD.” Do not record any Zone 1 or Tier 1 values. Possible values: • Tier 3 • Tier 2 • Non-HFTD • HFTD data can be downloaded from: https://ia.cpuc.ca.gov/firemap. This field is required.	Yes	54	Domain
Asset Inspection Polygon	AiID	Unique ID or job ID of an asset inspection activity. Primary key for the Asset Inspection Polygon feature class. This field is required.	Yes	54	Text
Asset Inspection Polygon	UtilityID	Standardized identification name of the electrical corporation. Possible values: • BVES • HWT • Liberty • LS Power • PacifiCorp • PG&E • SCE • SDG&E • TBC This field is required.	Yes	54	Domain
Asset Inspection Polygon	UMATID	This is the Utility Mitigation Activity Tracking ID, a unique tracking ID for a given activity. This ID must match the UTILITY MITIGATION ACTIVITY TRACKING ID and UMAT fields for the same activity in all data submissions for the activity’s entire lifecycle. This field must correspond with the Utility Mitigation Activity Tracking ID referenced where the activity is discussed in the electrical corporation’s WMP(s). This field should remain static even if WMP category, WMP initiative, or WMP Section numbers change. This field is required.	Yes	54	Text

Asset Inspection Polygon	ActivityClass	Was the activity performed ONLY to meet requirements of statute or regulation, or done at the electrical corporation's discretion? Inspections done at increased frequency relative to requirements or normal operations are considered discretionary. • Possible values: • Regulatory • Discretionary This field is required.	Yes	55	Domain
Asset Inspection Polygon	AssetID	Unique ID for a specific point asset. Foreign key to all the related Asset Point feature class attribute tables. For Support Structure, use Support Structure ID. For Transformer Site, use Transformer Site ID. This field is required IF the inspection activity represented by the point is focused on an individual asset recorded as a point in data submitted to Energy Safety.	Yes	55	Text
Asset Inspection Polygon	AssetFeature	Identifies the feature class where the asset ID should be found. Possible values: • Camera • Connection Device • Fuse • Lightning Arrester • Substation • Support Structure • Switchgear • Transformer Site • Weather Station This field is required IF the inspection activity represented by the point is focused on an individual asset recorded as a point in data submitted to Energy Safety.	Yes	55	Domain
Asset Inspection Polygon	SegmentID	ID of specific circuit segment inspected, if any. Foreign key to the Asset Line feature classes if the electrical corporation has persistent unique segment IDs. A segment may be anything more granular than a circuit, including a single span. This field is required IF the inspection activity represented by the point is focused on conductor AND the electrical corporation has persistent stable IDs for circuit segments.	Yes	55	Text
Asset Inspection Polygon	CircuitID	ID of specific circuit inspected, if any. Foreign key to the Asset Line feature classes if the electrical corporation does not have persistent unique segment IDs. This field is required IF the inspection activity represented by the point is focused on conductor AND SegmentID is not populated.	Yes	55	Text
Asset Inspection Polygon	LineClass	Identifies the feature class where the Segment or Circuit ID should be found. Possible values: • Transmission Line • Primary Distribution Line • Secondary Distribution Line This field is required IF the inspection activity represented by the polygon is focused on conductor.	Yes	55	Domain

Asset Inspection Polygon	WMPInitiative	The name of the WMP mitigation initiative, as defined by Energy Safety, under which the activity is organized. See Appendix C. WMP Initiative Classification for acceptable field values.	Yes	55	Text
Asset Inspection Polygon	WMPActivity	The name for the WMP mitigation activity. This will be defined either by the electrical corporation or Energy Safety, according to Appendix A of the WMP Guidelines. See Appendix C. WMP Initiative Classification for acceptable field values of activities defined by Energy Safety. This field is required.	Yes	55	Text
Asset Inspection Polygon	ActivityDescription	Description of the activity.	Yes	55	Text
Asset Inspection Polygon	InspectionProgramName	Inspection program name for the inspection activity. This must match the program name as specified in the electrical corporation's WMP. This may be the same as "WMP Activity". This field is required.	Yes	56	Text
Asset Inspection Polygon	WMPSection	Section of the electrical corporation's most recent WMP explaining the initiative. This field is required.	Yes	56	Text
Asset Inspection Polygon	InspectionStatus	Status of the asset inspection. Possible Values: • Planned • In progress • Complete This field is required.	Yes	56	Domain
Asset Inspection Polygon	UnitsRepresented	The number of initiative target units represented by the polygon, if not equal to the polygon's area. Blank (null) values will be interpreted as the polygon representing its area. This field is required IF the polygon represents a different number of units than its area.	Yes	56	Number
Asset Inspection Polygon	InspectionStartDate	The date when an asset inspection began. If exact date is not known, may • approximate as first day of the month in which inspection began. This field is required IF InspectionStatus is "In progress" OR "Complete".	Yes	56	Date
Asset Inspection Polygon	InspectionEndDate	The date when an asset inspection was completed. If the asset inspection was started and completed on the same day, "InspectionStartDate" and "InspectionEndDate" will have the same value. If exact date is not known, may approximate as last day of the month in which inspection was completed. This field is required IF InspectionStatus is "Complete".	Yes	56	Date
Asset Inspection Polygon	PerformedBy	Who performed the asset inspection? Possible values: • Utility staff • Contractor • Other, see comment This field is required.	Yes	56	Domain
Asset Inspection Polygon	PerformedByComment	Inspector description not listed in the options above. This field is required IF "PerformedBy" is "Other, see comment".	Yes	56	Text

Asset Inspection Polygon	InspectionType	The type of asset inspection performed. Possible values: • Patrol • Detailed • Pole loading • Other, see comment This field is required.	Yes	56	Domain
Asset Inspection Polygon	InspectionTypeComment	Inspection type description not listed in the options above. This field is required IF InspectionType is “Other, see comment”	Yes	56	Text
Asset Inspection Polygon	InspectionComment	Additional comments related to the asset management inspection. This field is optional.	Yes	56	Text
Asset Inspection Polygon	FindingL1	Number of Level 1 findings per GO 95 rule 18-B1. This field is required.	Yes	56	Number
Asset Inspection Polygon	FindingL2	Number of Level 2 findings per GO 95 rule 18-B1. This field is required.	Yes	56	Number
Asset Inspection Polygon	FindingL3	Number of Level 3 findings per GO 95 rule 18-B1. This field is required.	Yes	56	Number
Asset Inspection Polygon	InspectionMethod	The method by which the asset inspection was conducted. Possible values: • Ground inspection • Climbing • Lift/bucket truck • Aerial: drone • Aerial: helicopter • Aerial: fixed wing • Other, see comment • “Aerial: drone” should be used for all unmanned aerial vehicles regardless of configuration (rotor vs. fixed-wing). “Lift/bucket truck” should be used for any similar methods. “Ground inspection” should be understood not to involve any climbing or lifting equipment or drone technology. This field is required.	Yes	57	Domain
Asset Inspection Polygon	InspectionMethodComment	Inspection method not listed in the options above—or multiple inspection methods listed in the options above. If multiple, list all values separated by commas. This field is required IF InspectionMethod is “Other, see comment”.	Yes	57	Text
Asset Inspection Polygon	DataCaptureSensorType	Type of sensor used to record data during the inspection, if any. Do not identify sensors used only for real-time visualization during the inspection. Possible values: • None • Aerial laser scanning • Terrestrial laser scanning • Aerial imagery (visible) • Aerial imagery (thermal) • Other, see comment This field is required.	Yes	57	Domain
Asset Inspection Polygon	DataCaptureSensorTypeComment	Type of sensor other than those identified as options in the Data Capture Sensor Type field. This field is required IF DataCaptureSensorType is “Other, see comment”.	Yes	57	Text
Asset Inspection Polygon	FieldNotes	Any additional notes, particularly from field workers. This field is optional.	Yes	57	Text

Asset Inspection Polygon	HFTDClass	The CPUC High Fire Threat District (HFTD) area that the asset inspection intersects. For this data, anything outside Tiers 2 and 3 must be categorized as “Non-HFTD.” Do not record any Zone 1 or Tier 1 values. If a data polygon spans multiple HFTD areas, list them under the “HFTDClassComment” field. Possible values: • Tier 3 • Tier 2 • Non-HFTD • Multiple, see comment • HFTD data can be downloaded from: https://ia.cpuc.ca.gov/firemap. This field is required.	Yes	57	Domain
Asset Inspection Polygon	HFTDClassComment	If a project polygon intersects multiple HFTD areas, list all of them here. This field is required IF HFTDClass is “Multiple, see comment”.	Yes	57	Text

Vegetation Inspection Feature Class

Feature	Field	Description	Aligns with Office of Energy Infrastructures mandatory Data Guidelines Reporting?	Data Guidelines Location, Page#	Data Type
Vegetation Inspection Line	VmiID	Unique ID or job ID of a vegetation inspection activity. Primary key for the Vegetation Inspection Line feature class. This field is required.	Yes	72	Text
Vegetation Inspection Line	UtilityID	Standardized identification name of the electrical corporation. Possible values: • BVES • HWT • Liberty • LS Power • PacifiCorp • PG&E • SCE • SDG&E • TBC This field is required.	Yes	72	Domain
Vegetation Inspection Line	UMATID	This is the Utility Mitigation Activity Tracking ID, a unique tracking ID for a given activity. This ID must match the UTILITY MITIGATION ACTIVITY TRACKING ID and UMAT fields for the same activity in all data submissions for the activity's entire lifecycle. This field must correspond with the Utility Mitigation Activity Tracking ID referenced where the activity is discussed in the electrical corporation's WMP(s). This field should remain static even if WMP category, WMP initiative, or WMP Section numbers change. This field is required.	Yes	73	Text
Vegetation Inspection Line	ActivityClass	Was the activity performed ONLY to meet requirements of statute or regulation, or done at the electrical corporation's discretion? Inspections done at increased frequency relative to requirements or normal operations are considered discretionary. • Possible values: • Regulatory • Discretionary This field is required.	Yes	73	Domain
Vegetation Inspection Line	SegmentID	ID of the specific circuit segment inspected, if any. Foreign key to the Asset Line feature classes if the electrical corporation has persistent unique segment IDs. A segment may be anything more granular than a circuit, including a single span. This field is required IF the inspection activity represented by the line is focused on conductor (e.g., radial clearance) AND the electrical corporation has persistent stable IDs for circuit segments.	Yes	73	Text

Vegetation Inspection Line	CircuitID	ID of the specific circuit inspected, if any. Foreign key to the Asset Line feature classes if the electrical corporation does not have persistent unique segment IDs. This field is required IF the inspection activity represented by the line is focused on conductor (e.g., radial clearance) AND SegmentID is not populated.	Yes	73	Text
Vegetation Inspection Line	LineClass	Identifies the feature class where the segment or circuit ID should be found. Possible values: • Transmission Line • Primary Distribution Line • Secondary Distribution Line This field is required IF the inspection activity represented by the line is focused on conductor (e.g., radial clearance).	Yes	73	Domain
Vegetation Inspection Line	InspectionLocationOrAddress	Address or location description for the inspection location. This field is optional.	Yes	73	Text
Vegetation Inspection Line	WMPInitiative	The name of the WMP mitigation initiative, as defined by Energy Safety, under which the activity is organized. See Appendix C. WMP Initiative Classification for acceptable field values.	Yes	73	Text
Vegetation Inspection Line	WMPActivity	The name for the WMP mitigation activity. This will be defined either by the electrical corporation or Energy Safety, according to Appendix A of the WMP Guidelines. See Appendix C. WMP Initiative Classification for acceptable field values of activities defined by Energy Safety. This field is required.	Yes	73	Text
Vegetation Inspection Line	ActivityDescription	Description of the activity.	Yes	73	Text
Vegetation Inspection Line	InspectionProgramName	Inspection program name for the inspection activity. This must match the program name as specified in the electrical corporation's WMP. This may be the same as "WMP Activity". This field is required.	Yes	73	Text
Vegetation Inspection Line	WMPSection	Section of the electrical corporation's most recent WMP explaining the initiative. This field is required.	Yes	73	Text
Vegetation Inspection Line	InspectionStatus	The status of the vegetation inspection project. Possible values: • Planned • In progress • Complete This field is required.	Yes	74	Domain
Vegetation Inspection Line	UnitsRepresented	The number of initiative target units represented by the line, if not equal to the line's length. Blank (null) values will be interpreted as the line representing its length. This field is required IF the line represents a different number of units than its length.	Yes	74	Number

Vegetation Inspection Line	InspectionStartDate	The date when a vegetation management inspection began or is planned to begin. If exact date is not known, may approximate to first day of the month inspection was started. May leave null for planned inspections. This field is required IF InspectionStatus is “In progress” OR “Complete”.	Yes	74	Date
Vegetation Inspection Line	InspectionEndDate	The date when a vegetation management inspection ended or is planned to end. If exact date is not known, may approximate to last day of the month inspection was finished. This field is required IF InspectionStatus is “Complete”.	Yes	74	Date
Vegetation Inspection Line	InspectionType	Initiative activities related to the vegetation management project. If multiple activities are related, list them in the “InspectionType” comment field. Possible values: • Assessing trees with the potential to strike • Clearances, required • Clearances, beyond requirements • Hazard trees • Tree mortality • Other, see comment This field is required.	Yes	74	Domain
Vegetation Inspection Line	InspectionTypeComment	Inspection type description not listed in the options above. If multiple activities are related to the project, list them here. This field is required IF InspectionType is “Other, see comment”.	Yes	74	Text
Vegetation Inspection Line	PerformedBy	Who performed the asset inspection? Possible values: • Utility staff • Contractor • Other, see comment This field is required.	Yes	74	Domain
Vegetation Inspection Line	PerformedByComment	Inspector description not listed in the options above. This field is required IF PerformedBy is “Other, see comment”.	Yes	74	Text
Vegetation Inspection Line	CommercialHarvest	Does the inspection involve commercial harvest? Possible values: • Yes • No This field is required.	Yes	74	Domain
Vegetation Inspection Line	TreeTrimCount	The number of trees identified for trimming from the vegetation management inspection. Trees over 6” DBH and outside a 4’ radius of the conductor must be counted. This field is required.	Yes	74	Number
Vegetation Inspection Line	TreeRemovalCount	The number of trees identified for removal from the vegetation management inspection. Trees over 6” DBH and outside a 4’ radius of the conductor must be counted. This field is required.	Yes	74	Number
Vegetation Inspection Line	InspectionComment	Additional comments regarding the vegetation inspection project. This field is optional.	Yes	75	Text

Vegetation Inspection Line	InspectionMethod	Inspection method. Possible values: • Ground inspection • Climbing • Lift/bucket truck • Aerial: drone • Aerial: helicopter • Aerial: fixed wing • Other, see comment • “Aerial: drone” should be used for all unmanned aerial vehicles regardless of configuration (rotor vs. fixed-wing). “Lift/bucket truck” should be used for any similar methods. “Ground inspection” should be understood not to involve any climbing or lifting equipment or drone technology. This field is required.	Yes	75	Domain
Vegetation Inspection Line	InspectionMethodComment	Inspection method description not listed in the options above. This field is required IF InspectionMethod is “Other, see comment”.	Yes	75	Text
Vegetation Inspection Line	DataCaptureSensorType	Type of sensor used to record data during the inspection, if any. Do not identify sensors used only for real-time visualization during the inspection. Possible values: • None • Aerial laser scanning • Terrestrial laser scanning • Aerial imagery (visible) • Aerial imagery (thermal) • Other, see comment This field is required.	Yes	75	Domain
Vegetation Inspection Line	DataCaptureSensorTypeComment	Type of sensor other than those identified as options in the Data Capture Sensor Type field. This field is required IF DataCaptureSensorType is “Other, see comment”.	Yes	75	Text
Vegetation Inspection Line	HFTDClass	The CPUC High Fire Threat District (HFTD) area that the vegetation management project intersects. For these data, anything outside Tiers 2 and 3 must be categorized as “Non-HFTD.” Do not record any Zone 1 or Tier 1 values. If a data line spans multiple HFTD areas, list them under the “HFTDClassComment” field. Possible values: • Tier 3 • Tier 2 • Non-HFTD • Multiple, see comment • HFTD data can be downloaded from: https://ia.cpuc.ca.gov/firemap. This field is required.	Yes	75	Domain
Vegetation Inspection Line	HFTDClassComment	If the project line intersects multiple HFTD areas, list all of them here. This field is required IF HFTDClass is “Multiple, see comment”.	Yes	75	Text
Vegetation Inspection Point	VmiID	Unique ID or job ID of a vegetation inspection activity. Primary key for the Vegetation Inspection Point feature class. This field is required.	Yes	75	Text
Vegetation Inspection Point	UtilityID	Standardized identification name of the electrical corporation. Possible values: • BVES • HWT • Liberty • LS Power • PacifiCorp • PG&E • SCE • SDG&E • TBC This field is required.	Yes	76	Domain

Vegetation Inspection Point	UMATID	This is the Utility Mitigation Activity Tracking ID, a unique tracking ID for a given activity. This ID must match the UTILITY MITIGATION ACTIVITY TRACKING ID and UMAT fields for the same activity in all data submissions for the activity's entire lifecycle. This field must correspond with the Utility Mitigation Activity Tracking ID referenced where the activity is discussed in the electrical corporation's WMP(s). This field should remain static even if WMP category, WMP initiative, or WMP Section numbers change. This field is required.	Yes	76	Text
Vegetation Inspection Point	ActivityClass	Was the activity performed ONLY to meet requirements of statute or regulation, or done at the electrical corporation's discretion? Inspections done at increased frequency relative to requirements or normal operations are considered discretionary. • Possible values: • Regulatory • Discretionary This field is required.	Yes	76	Domain
Vegetation Inspection Point	AssetID	Unique ID for a specific point asset. Foreign key to the Asset Point features. For support structures, use Support Structure ID. For transformers, use Transformer Site ID. This field is required IF the inspection activity represented by the point is focused on an individual asset recorded as a point in data submitted to Energy Safety.	Yes	76	Text
Vegetation Inspection Point	AssetFeature	Identifies the feature class where the asset ID should be found. Possible values: • Camera • Connection Device • Fuse • Lightning Arrester • Substation • Support Structure • Switchgear • Transformer Site • Weather Station This field is required IF the inspection activity represented by the point is focused on an individual asset recorded as a point in data submitted to Energy Safety.	Yes	76	Domain
Vegetation Inspection Point	SegmentID	ID of the specific circuit segment inspected, if any. Foreign key to the Asset Line feature classes if the electrical corporation has persistent unique segment IDs. A segment may be anything more granular than a circuit, including a single span. This field is required IF the inspection activity represented by the point is focused on conductor (e.g., radial clearance) AND the electrical corporation has persistent stable IDs for circuit segments.	Yes	76	Text

Vegetation Inspection Point	CircuitID	ID of the specific circuit inspected, if any. Foreign key to the Asset Line feature classes if the electrical corporation does not have persistent unique segment IDs. This field is required IF the inspection activity represented by the point is focused on conductor (e.g., radial clearance) AND SegmentID is not populated.	Yes	77	Text
Vegetation Inspection Point	LineClass	Identifies the feature class where the segment or circuit ID should be found. Possible values: • Transmission Line • Primary Distribution Line • Secondary Distribution Line This field is required IF the inspection activity represented by the point is focused on conductor (e.g., radial clearance).	Yes	77	Domain
Vegetation Inspection Point	InspectionLocationOrAddress	Address or location description for the inspection location. This field is optional.	Yes	77	Text
Vegetation Inspection Point	IsTree	Does the point represent a tree or other vegetation location? Possible values: • Yes • No This field is required.	Yes	77	Domain
Vegetation Inspection Point	VegetationGenus	Genus of vegetation. This field may be left null for palms and bamboo. This field is required IF the point represents an individual tree or shrub AND VegetationCommonName is not “Palm” or “Bamboo”.	Yes	77	Text
Vegetation Inspection Point	VegetationSpecies	Species of vegetation. Do not use “sp.” except for the following genera: Acacia, Agave Ailanthus, Albizia, Arctostaphylos, Callistemon, Casuarina, Catalpa, Ceanothus, Citrus, Corymbia, Eucalyptus, Lagerstroemia, Ligustrum, Malus, Melaleuca, Photinia, Pittosporum, Podocarpus, Prunus, Pyrus, Salix, Strlitzia, Syzygium, Tamarix. This field may be filled out as “sp.” or left null for the above genera and may be left null for palms and bamboo. This field is required IF IsTree is not “No” AND VegetationCommonName is not “Palm” or “Bamboo” AND VegetationGenus is not in the list above.	Yes	77	Text
Vegetation Inspection Point	VegetationCommonName	Common name of vegetation. This field is required IF IsTree is not “No” and the tree represented is a Palm or Bamboo.	Yes	77	Text
Vegetation Inspection Point	TreeHeight	Tree height (feet). Round the value. This field is required if IsTree is not “No”.	Yes	77	Number
Vegetation Inspection Point	TreeDiameter	Tree diameter at breast height (inches). Round the value. This field is required if IsTree is not “No”.	Yes	77	Number
Vegetation Inspection Point	TreeDistance	Distance (in feet) between tree or shrub and the electrical corporation’s nearest utility asset. This field is required if IsTree is not “No”.	Yes	77	Number

Vegetation Inspection Point	DangerTree	For points representing individual trees: Is this a “danger tree” per 14 CCR 895.1? • Possible values: • Yes • No This field is required if IsTree is not “No”.	Yes	77	Domain
Vegetation Inspection Point	WMPInitiative	The name of the WMP mitigation initiative, as defined by Energy Safety, under which the activity is organized. See Appendix C. WMP Initiative Classification for acceptable field values.	Yes	77	Text
Vegetation Inspection Point	WMPActivity	The name for the WMP mitigation activity. This will be defined either by the electrical corporation or Energy Safety, according to Appendix A of the WMP Guidelines. See Appendix C. WMP Initiative Classification for acceptable field values of activities defined by Energy Safety. This field is required.	Yes	77	Text
Vegetation Inspection Point	ActivityDescription	Description of the activity.	Yes	78	Text
Vegetation Inspection Point	InspectionProgramName	Inspection program name for the inspection activity. This must match the program name as specified in the electrical corporation’s WMP. This may be the same as “WMP Activity”. This field is required.	Yes	78	Text
Vegetation Inspection Point	WMPSection	Section of the electrical corporation’s most recent WMP explaining the initiative. This field is required.	Yes	78	Text
Vegetation Inspection Point	InspectionStatus	The status of the vegetation inspection project. Possible values: • Planned • In progress • Complete This field is required.	Yes	78	Domain
Vegetation Inspection Point	UnitsRepresented	The number of initiative target units represented by the point if more than 1. For example, the electrical corporation may represent multiple assets replaced at a single location with one point. Blank (null) and “1” values will be interpreted as representing a single unit. This field is required IF the point represents more than 1 target unit.	Yes	78	Number
Vegetation Inspection Point	InspectionStartDate	The date when a vegetation management inspection began or is planned to begin. If exact date is not known, may approximate to first day of the month inspection was started. May leave null for planned inspections. This field is required IF InspectionStatus is “In progress” OR “Complete”.	Yes	78	Date
Vegetation Inspection Point	InspectionEndDate	The date when a vegetation management inspection ended or is planned to end. If exact date is not known, may approximate to last day of the month inspection was finished. This field is required IF InspectionStatus is “Complete”.	Yes	78	Date

Vegetation Inspection Point	InspectionType	Initiative activities related to the vegetation management project. If multiple activities are related, list them in the “InspectionType” comment field. Possible values: • Assessing trees with the potential to strike • Clearances, required • Clearances, beyond requirements • Hazard trees • Tree mortality • Other, see comment This field is required.	Yes	78	Domain
Vegetation Inspection Point	InspectionTypeComment	Inspection type description not listed in the options above. If multiple activities are related to the project, list them here. This field is required IF InspectionType is “Other, see comment”.	Yes	78	Text
Vegetation Inspection Point	PerformedBy	Who performed the asset inspection? Possible values: • Utility staff • Contractor • Other, see comment This field is required.	Yes	78	Domain
Vegetation Inspection Point	PerformedByComment	Inspector description not listed in the options above. This field is required IF PerformedBy is “Other, see comment”.	Yes	78	Text
Vegetation Inspection Point	CommercialHarvest	Does the inspection involve commercial harvest? Possible values: • Yes • No This field is required.	Yes	78	Domain
Vegetation Inspection Point	TreeTrimCount	The number of trees identified for trimming from the vegetation management inspection. Trees over 6” DBH and outside a 4’ radius of the conductor must be reported. This field is required.	Yes	79	Number
Vegetation Inspection Point	TreeRemovalCount	The number of trees identified for removal from the vegetation management inspection. Trees over 6” DBH and outside a 4’ radius of the conductor must be reported. This field is required.	Yes	79	Number
Vegetation Inspection Point	InspectionComment	Additional comments regarding the vegetation inspection project. This field is optional.	Yes	79	Text
Vegetation Inspection Point	InspectionMethod	Inspection method. Possible values: • Ground inspection • Climbing • Lift/bucket truck • Aerial: drone • Aerial: helicopter • Aerial: fixed wing • Other, see comment • • “Aerial: drone” should be used for all unmanned aerial vehicles regardless of configuration (rotor vs. fixed-wing). “Lift/bucket truck” should be used for any similar methods. “Ground inspection” should be understood not to involve any climbing or lifting equipment or drone technology. This field is required.	Yes	79	Domain
Vegetation Inspection Point	InspectionMethodComment	Inspection method description not listed in the options above. This field is required if “InspectionMethod” is “Other, see comment”.	Yes	79	Text

Vegetation Inspection Point	DataCaptureSensorType	Type of sensor used to record data during the inspection, if any. Do not identify sensors used only for real-time visualization during the inspection. Possible values: • None • Aerial laser scanning • Terrestrial laser scanning • Aerial imagery (visible) • Aerial imagery (thermal) • Other, see comment This field is required.	Yes	79	Domain
Vegetation Inspection Point	DataCaptureSensorType Comment	Type of sensor other than those identified as options in the Data Capture Sensor Type field. This field is required IF DataCaptureSensorType is "Other, see comment".	Yes	79	Text
Vegetation Inspection Point	HFTDClass	The CPUC high-fire threat district (HFTD) area the management inspection intersects. For these data, anything outside Tiers 2 and 3 must be categorized as "Non-HFTD." Do not record any Zone 1 or Tier 1 values. Possible values: • Tier 3 • Tier 2 • Non-HFTD • HFTD data can be downloaded from: https://ia.cpuc.ca.gov/firemap. This field is required.	Yes	79	Domain
Vegetation Inspection Polygon	VmiID	Unique ID or job ID of a vegetation inspection activity. Primary key for the Vegetation Inspection Polygon feature class. This field is required.	Yes	80	Text
Vegetation Inspection Polygon	UtilityID	Standardized identification name of the electrical corporation. Possible values: • BVES • HWT • Liberty • LS Power • PacifiCorp • PG&E • SCE • SDG&E • TBC This field is required.	Yes	80	Domain
Vegetation Inspection Polygon	UMATID	This is the Utility Mitigation Activity Tracking ID, a unique tracking ID for a given activity. This ID must match the UTILITY MITIGATION ACTIVITY TRACKING ID and UMAT fields for the same activity in all data submissions for the activity's entire lifecycle. This field must correspond with the Utility Mitigation Activity Tracking ID referenced where the activity is discussed in the electrical corporation's WMP(s). This field should remain static even if WMP category, WMP initiative, or WMP Section numbers change. This field is required.	Yes	80	Text
Vegetation Inspection Polygon	Activity Class	Was the activity performed ONLY to meet requirements of statute or regulation, or done at the electrical corporation's discretion? Inspections done at increased frequency relative to requirements or normal operations are considered discretionary. • Possible values: • Regulatory • Discretionary This field is required.	Yes	80	Domain

Vegetation Inspection Polygon	SegmentID	ID of the specific circuit segment inspected. Foreign key to the Asset Line feature classes if the electrical corporation has persistent unique segment IDs. A segment may be anything more granular than a circuit, including a single span. This field is required IF the inspection activity represented by the polygon is focused on conductor (e.g., radial clearance) AND the electrical corporation has persistent stable IDs for circuit segments.	Yes	80	Text
Vegetation Inspection Polygon	CircuitID	ID of the specific circuit inspected. Foreign key to the Asset Line feature classes if the electrical corporation does not have persistent unique segment IDs. This field is required IF the inspection activity represented by the polygon is focused on conductor (e.g., radial clearance) AND SegmentID is not populated.	Yes	80	Text
Vegetation Inspection Polygon	LineClass	Identifies the feature class where the segment or circuit ID should be found. Possible values: • Transmission Line • Primary Distribution Line • Secondary Distribution Line This field is required IF the inspection activity represented by the polygon is focused on conductor (e.g., radial clearance).	Yes	80	Domain
Vegetation Inspection Polygon	AssetID	Unique ID for a specific point asset. Must be traceable stable ID within a specific asset class. Foreign key to all the related Asset Point feature class attribute tables. For Support Structure, use Support Structure ID. For Transformer Site, use Transformer Site ID. This field is required IF the inspection activity represented by the point is focused on an individual asset recorded as a point in data submitted to Energy Safety.	Yes	81	Text
Vegetation Inspection Polygon	AssetFeature	Identifies the feature class where the asset ID should be found. Possible values: • Camera • Connection Device • Fuse • Lightning Arrester • Substation • Support Structure • Switchgear • Transformer Site • Weather Station This field is required IF the inspection activity represented by the point is focused on an individual asset recorded as a point in data submitted to Energy Safety.	Yes	81	Domain
Vegetation Inspection Polygon	InspectionLocationOrAddress	Address or location description for the inspection location. This field is optional.	Yes	81	Text
Vegetation Inspection Polygon	WMPInitiative	The name of the WMP mitigation initiative, as defined by Energy Safety, under which the activity is organized. See Appendix C. WMP Initiative Classification for acceptable field values.	Yes	81	Text

Vegetation Inspection Polygon	WMPActivity	The name for the WMP mitigation activity. This will be defined either by the electrical corporation or Energy Safety, according to Appendix A of the WMP Guidelines. See Appendix C. WMP Initiative Classification for acceptable field values of activities defined by Energy Safety. This field is required.	Yes	81	Text
Vegetation Inspection Polygon	ActivityDescription	Description of the activity.	Yes	81	Text
Vegetation Inspection Polygon	InspectionProgramName	Inspection program name for the inspection activity. This must match the program name as specified in the electrical corporation's WMP. This may be the same as "WMP Activity". This field is required.	Yes	81	Text
Vegetation Inspection Polygon	WMPSection	Section of the electrical corporation's most recent WMP explaining the initiative. This field is required.	Yes	81	Text
Vegetation Inspection Polygon	InspectionStatus	The status of the vegetation inspection project. Possible values: • Planned • In progress • Complete This field is required.	Yes	81	Domain
Vegetation Inspection Polygon	UnitsRepresented	The number of initiative target units represented by the polygon, if not equal to the polygon's area. Blank (null) values will be interpreted as the polygon representing its area. This field is required IF the polygon represents a different number of units than its area.	Yes	81	Number
Vegetation Inspection Polygon	InspectionStartDate	The date when a vegetation management inspection began or is planned to begin. If exact date is not known, may approximate to first day of the month inspection was started. May leave null for planned inspections. This field is required IF InspectionStatus is "In progress" OR "Complete".	Yes	81	Date
Vegetation Inspection Polygon	InspectionEndDate	The date when a vegetation management inspection ended or is planned to end. If exact date is not known, may approximate to last day of the month inspection was finished. This field is required IF InspectionStatus is "Complete".	Yes	82	Date
Vegetation Inspection Polygon	InspectionType	Initiative activities related to the vegetation management project. If multiple activities are related, list them in the "InspectionType" comment field. Possible values: • Assessing trees with the potential to strike • Clearances, required • Clearances, beyond requirements • Hazard trees • Tree mortality • Other, see comment This field is required.	Yes	82	Domain
Vegetation Inspection Polygon	InspectionTypeComment	Inspection type description not listed in the options above. If multiple activities are related to the project, list them here. This field is required IF InspectionType is "Other, see comment".	Yes	82	Text

Vegetation Inspection Polygon	PerformedBy	Who performed the asset inspection? Possible values: • Utility staff • Contractor • Other, see comment This field is required.	Yes	82	Domain
Vegetation Inspection Polygon	PerformedByComment	Inspector description not listed in the options above. This field is required IF PerformedBy is “Other, see comment”.	Yes	82	Text
Vegetation Inspection Polygon	CommercialHarvest	Does the inspection involve commercial harvest? Possible values: • Yes • No This field is required.	Yes	82	Domain
Vegetation Inspection Polygon	TreeTrimCount	The number of trees identified for trimming from the vegetation management inspection. Trees over 6” DBH and outside a 4’ radius of the conductor must be counted. This field is required.	Yes	82	Number
Vegetation Inspection Polygon	TreeRemovalCount	The number of trees identified for removal from the vegetation management inspection. Trees over 6” DBH and outside a 4’ radius of the conductor must be counted. This field is required.	Yes	82	Number
Vegetation Inspection Polygon	InspectionComment	Additional comments regarding the vegetation inspection project. This field is optional.	Yes	82	Text
Vegetation Inspection Polygon	InspectionMethod	Inspection method. Possible values: • Ground inspection • Climbing • Lift/bucket truck • Aerial: drone • Aerial: helicopter • Aerial: fixed wing • Other, see comment • “Aerial – drone” should be used for all unmanned aerial vehicles regardless of configuration (rotor vs. fixed-wing). “Lift/bucket truck” should be used for any similar methods. “Ground inspection” should be understood not to involve any climbing or lifting equipment or drone technology. This field is required.	Yes	83	Domain
Vegetation Inspection Polygon	InspectionMethodComment	Inspection method description not listed in the options above. This field is required IF InspectionMethod is “Other, see comment”.	Yes	83	Text
Vegetation Inspection Polygon	DataCaptureSensorType	Type of sensor used to record data during the inspection, if any. Do not identify sensors used only for real-time visualization during the inspection. Possible values: • None • Aerial laser scanning • Terrestrial laser scanning • Aerial imagery (visible) • Aerial imagery (thermal) • Other, see comment This field is required.	Yes	83	Domain
Vegetation Inspection Polygon	DataCaptureSensorTypeComment	Type of sensor other than those identified as options in the Data Capture Sensor Type field. This field is required IF DataCaptureSensorType is “Other, see comment”.	Yes	83	Text

Vegetation Inspection Polygon	HFTDClass	The CPUC High Fire Threat District (HFTD) area that the vegetation management project intersects. For these data, anything outside Tiers 2 and 3 must be categorized as “Non-HFTD.” Do not record any Zone 1 or Tier 1 values. If a data polygon spans multiple HFTD areas, list them under the “HFTDClassComment” field. Possible values: • Tier 3 • Tier 2 • Non-HFTD • Multiple, see comment • HFTD data can be downloaded from: https://ia.cpuc.ca.gov/firemap. This field is required.	Yes	83	Domain
Vegetation Inspection Polygon	HFTDClassComment	If the project polygon intersects multiple HFTD areas, list all of them here. This field is required IF HFTDClass is “Multiple, see comment”.	Yes	83	Text

Vegetation Management Feature Class

Feature	Field	Description	Aligns with Office of Energy Infrastructures mandatory Data Guidelines Reporting?	Data Guidelines Location, Page#	Data Type
Vegetation Management Project Line	VmpID	Unique ID or job ID of an initiative. Primary key for Vegetation Management Project Line feature class. This field is required.	Yes	84	Text
Vegetation Management Project Line	UtilityID	Standardized identification name of the electrical corporation. Possible values: • BVES • HWT • Liberty • LS Power • PacifiCorp • PG&E • SCE • SDG&E • TBC This field is required.	Yes	85	Domain
Vegetation Management Project Line	UMATID	This is the Utility Mitigation Activity Tracking ID, a unique tracking ID for a given activity. This ID must match the UTILITY MITIGATION ACTIVITY TRACKING ID and UMAT fields for the same activity in all data submissions for the activity's entire lifecycle. This field must correspond with the Utility Mitigation Activity Tracking ID referenced where the activity is discussed in the electrical corporation's WMP(s). This field should remain static even if WMP category, WMP initiative, or WMP Section numbers change. This field is required.	Yes	85	Text
Vegetation Management Project Line	ActivityClass	Was the activity performed ONLY to meet requirements of statute or regulation, or done at the electrical corporation's discretion? Clearances to greater than required distance are considered discretionary. Possible values: • Regulatory • Discretionary This field is required.	Yes	85	Domain
Vegetation Management Project Line	SegmentID	ID of the specific circuit segment on which the work was done, if any. Foreign key to the Asset Line features if the electrical corporation has persistent unique segment IDs. A segment may be anything more granular than a circuit, including a single span. This field is required IF the VM activity represented by the line is focused on conductor (e.g., radial clearance) AND the electrical corporation has persistent stable IDs for circuit segments.	Yes	85	Text

Vegetation Management Project Line	CircuitID	ID of the specific circuit on which the work was done, if any. Foreign key to the Asset • Line features if the electrical corporation does not have persistent unique segment IDs. This field is required IF the activity represented by the point is focused on conductor (e.g., radial clearance) AND SegmentID is not populated.	Yes	85	Text
Vegetation Management Project Line	LineClass	Identifies the feature class where the segment or circuit ID should be found. Possible values: • Transmission Line • Primary Distribution Line • Secondary Distribution Line This field is required IF SegmentID or CircuitID is populated.	Yes	85	Domain
Vegetation Management Project Line	ProjectLocationOrAddress	Address or location description for project location. This field is optional.	Yes	85	Text
Vegetation Management Project Line	RadialClearanceDistance	What radial clearance distance was implemented for this project, in feet? For projects not involving radial clearance, enter “-99”. This should be the actual clearance standard implemented, NOT the minimum clearance per regulations, if those are different (i.e., where the electrical corporation is implementing “enhanced” clearances via greater distance than required). This field is required.	Yes	85	Number
Vegetation Management Project Line	LineDeenergized	Do the power lines need to be de-energized to perform the work? Possible values: • Yes • No This field is required.	Yes	86	Domain
Vegetation Management Project Line	WMPInitiative	The name of the WMP mitigation initiative, as defined by Energy Safety, under which the activity is organized. See Appendix C. WMP Initiative Classification for acceptable field values.	Yes	86	Text
Vegetation Management Project Line	WMPActivity	The name for the WMP mitigation activity. This will be defined either by the electrical corporation or Energy Safety, according to Appendix A of the WMP Guidelines. See Appendix C. WMP Initiative Classification for acceptable field values of activities defined by Energy Safety. This field is required.	Yes	86	Text
Vegetation Management Project Line	ActivityDescription	Description of the activity.	Yes	86	Text
Vegetation Management Project Line	WMPSection	Section of the electrical corporation’s most recent WMP explaining the initiative. This field is required.	Yes	86	Text

Vegetation Management Project Line	VmpStatus	Status of the vegetation management project. Possible Values: • Planned • In progress • Complete This field is required.	Yes	86	Domain
Vegetation Management Project Line	HerbicideUse	Are any herbicides planned to be used or were any herbicides used as part of the project? Possible values: • Yes • No This field is required.	Yes	86	Domain
Vegetation Management Project Line	HerbicideName	If any herbicides are planned for use or were used, list the specific products used / to be used. This field is required IF HerbicideUse is not “No”.	Yes	86	Text
Vegetation Management Project Line	UnitsRepresented	The number of initiative target units represented by the line, if not equal to the line’s length. Blank (null) values will be interpreted as the line representing its length. This field is required IF the line represents a different number of units than its length.	Yes	86	Number
Vegetation Management Project Line	DescriptionOfWork	Additional description of the vegetation management work. This field is optional.	Yes	86	Text
Vegetation Management Project Line	StartDate	The start date of the vegetation management project. This field must have values for all projects that have a value of “Complete” or “In Progress” in the“VmpStatus” field. If exact date is not known, may approximate as the first day of the month in which project began. May leave null for planned projects. This field is required IF VmpStatus is “In progress” OR “Complete”.	Yes	86	Date
Vegetation Management Project Line	EndDate	The completion date of the vegetation management project. This field must at least have values for all projects that have a value of “Complete” in the VmpStatus field. If exact date is not known, the electrical corporation may approximate EndDate as the last day of the month in which project was completed. This field is required IF VmpStatus is “Complete”.	Yes	86	Date
Vegetation Management Project Line	CoastalRedwoodExemption	Coastal redwood exception to clearance being applied. Possible values: • Yes • No This field is required.	Yes	86	Domain
Vegetation Management Project Line	EncroachPermit	Is an encroachment permit required for the vegetation management project? Possible values: • Yes • No This field is required.	Yes	87	Domain
Vegetation Management Project Line	EnvPermit	Is special environmental permitting needed for the vegetation management project? • Possible values: • Yes • No This field is required.	Yes	87	Domain

Vegetation Management Project Line	EnvPermitProject	Specific activity (e.g., timber harvest under an exemption) for which a permit was obtained. This field is required IF EnvPermit is “Yes”.	Yes	87	Text
Vegetation Management Project Line	CALFIREHdNumber	If applicable, enter the CAL FIRE harvest document number applicable to the initiative. When the permitted project is timber harvest under an exemption, this field must include the harvest document number of the exemption (e.g., 2-20EX-01049-BUT). This field is required IF the project has a CAL FIRE harvest document.	Yes	87	Text
Vegetation Management Project Line	OtherEnvPermitDocumentation	For any projects that do not have a CAL FIRE harvest document number or that have a CAL FIRE Harvest document number and additional permit documentation, enter any key details about environmental permit documentation and project ID numbers. This field is required if EnvPermit is “Yes” and CALFIREHdNumber is not populated.	Yes	87	Text
Vegetation Management Project Line	CommercialHarvest	Does the initiative involve commercial harvest? Possible values: • Yes • No This field is required.	Yes	87	Domain
Vegetation Management Project Line	SlashManagement	How is brush or slash generated by the vegetation management project being managed or treated? Possible values: • None • Lopping • Chipping • Removal • Other, see comment • “Slash”, pursuant to PRC § 4525.7, means branches or limbs less than four inches in Diameter, and bark and split products debris left on the ground as a result of Timber Operations. This field is required.	Yes	87	Domain
Vegetation Management Project Line	SlashManagementComments	Brush/slash management method not listed above. This field is required IF SlashManagement is “Other, see comment”.	Yes	87	Text
Vegetation Management Project Line	TreeTrimCountPlanned	Number of trees planned for trimming in the project. Trees over 6” DBH and outside a 4’ radius of the conductor must be counted. Enter “0” if tree trimming is not part of the vegetation project. This field is required.	Yes	87	Number
Vegetation Management Project Line	TreeRemovalCountPlanned	Number of trees planned for removal in the project. Trees over 6” DBH and outside a 4’ radius of the conductor must be counted. Enter “0” if tree removal is not part of the vegetation project. This field is required.	Yes	87	Number
Vegetation Management Project Line	TreeTrimCountActl	Number of trees actually trimmed as part of the project. Trees over 6” DBH and outside a 4’ radius of the conductor must be counted. Enter “0” if tree trimming is not part of the vegetation project. This field is required IF VmpStatus is “Complete”.	Yes	88	Number

Vegetation Management Project Line	TreeRemovalCountActl	Number of trees actually removed as part of the project. Trees over 6” DBH and outside a 4’ radius of the conductor must be counted. Enter “0” if tree removal is not part of the vegetation project. This field is required IF VmpStatus is “Complete”.	Yes	88	Number
Vegetation Management Project Line	WoodDestination	Record how boles of trees (6" diameter and greater) will be treated. If multiple destinations apply, list them all in the “VegetationDestinationComment” field. • Possible values: • Sawmill • Firewood • Biomass facility • Left whole on-site • Left chipped on-site • Burned on-site • None • Other, see comment • “Left whole on-site” includes bucked logs – whole means “not chipped”. “None” means no such material will be generated (e.g., pole brushing). This field is required.	Yes	88	Domain
Vegetation Management Project Line	WoodDestinationComment	Wood destination not listed above; or, if multiple destinations apply, list them here. This field is required IF WoodDestination is “Other, see comment”.	Yes	88	Domain
Vegetation Management Project Line	HFTDClass	The CPUC High Fire Threat District (HFTD) area that the vegetation management project intersects. For these data, anything outside Tiers 2 and 3 must be categorized as “Non-HFTD.” Do not record any Zone 1 or Tier 1 values. If a data line spans multiple HFTD areas, list them under the “HFTDClassComment” field. Possible values: • Tier 3 • Tier 2 • Non-HFTD • Multiple, see comment • HFTD data can be downloaded from: https://ia.cpuc.ca.gov/firemap. This field is required.	Yes	88	Domain
Vegetation Management Project Line	HFTDClassComment	If the project line intersects multiple HFTD areas, list all of them here. This field is required IF HFTDClass is “Multiple, see comment”.	Yes	88	Text
Vegetation Management Project Point	VmpID	Unique ID or job ID of an initiative. Primary key for Vegetation Management Project Point feature class. This field is required.	Yes	89	Text
Vegetation Management Project Point	UtilityID	Standardized identification name of the electrical corporation. Possible values: • BVES • HWT • Liberty • LS Power • PacifiCorp • PG&E • SCE • SDG&E • TBC This field is required.	Yes	89	Domain

Vegetation Management Project Point	UMATID	This is the Utility Mitigation Activity Tracking ID, a unique tracking ID for a given activity. This ID must match the UTILITY MITIGATION ACTIVITY TRACKING ID and UMAT fields for the same activity in all data submissions for the activity's entire lifecycle. This field must correspond with the Utility Mitigation Activity Tracking ID referenced where the activity is discussed in the electrical corporation's WMP(s). This field should remain static even if WMP category, WMP initiative, or WMP Section numbers change. This field is required.	Yes	89	Text
Vegetation Management Project Point	ActivityClass	Was the activity performed ONLY to meet requirements of statute or regulation, or done at the electrical corporation's discretion? Clearances to greater than required distance are considered discretionary. Possible values: • Regulatory • Discretionary This field is required.	Yes	89	Domain
Vegetation Management Project Point	AssetID	Unique ID for a specific point asset. Must be traceable stable ID within a specific asset class. Foreign key to all the related Asset Point feature class attribute tables. For Support Structure, use Support Structure ID. For Transformer Site, use Transformer Site ID. This field is required IF the VM activity represented by the point is focused on an individual asset recorded as a point in data submitted to Energy Safety.	Yes	89	Text
Vegetation Management Project Point	AssetFeature	Identifies the feature class where the asset ID should be found. Possible values: • Camera • Connection Device • Fuse • Lightning Arrester • Substation • Support Structure • Switchgear • Transformer Site • Weather Station This field is required IF the VM activity represented by the point is focused on an individual asset recorded as a point in data submitted to Energy Safety.	Yes	90	Domain
Vegetation Management Project Point	SegmentID	ID of the specific circuit segment on which the work was done, if any. Foreign key to the Asset Line features if the electrical corporation has persistent unique segment IDs. A segment may be anything more granular than a circuit, including a single span. This field is required IF the VM activity represented by the point is focused on conductor (e.g., radial clearance) AND the electrical corporation has persistent stable IDs for circuit segments.	Yes	90	Text

Vegetation Management Project Point	CircuitID	ID of the specific circuit on which the work was done, if any. Foreign key to the Asset • Line features if the electrical corporation does not have persistent unique segment IDs. This field is required IF the VM activity represented by the point is focused on conductor (e.g., radial clearance) AND SegmentID is not populated.	Yes	90	Text
Vegetation Management Project Point	LineClass	Identifies the feature class where the segment or circuit ID should be found. Possible values: • Transmission Line • Primary Distribution Line • Secondary Distribution Line This field is required IF SegmentID or CircuitID is populated.	Yes	90	Domain
Vegetation Management Project Point	ProjectLocationOrAddress	Address or location description for vegetation project location. This field is optional.	Yes	90	Text
Vegetation Management Project Point	IsTree	Does the point represent a tree or other vegetation location? Possible values: • Yes • No This field is required.	Yes	90	Domain
Vegetation Management Project Point	TreeID	A unique ID associated with the individual tree within the scope of the vegetation management project. This field is optional.	Yes	90	Text
Vegetation Management Project Point	VegetationGenus	Genus of vegetation. This field may be left null for palms and bamboo. This field is required IF IsTree is not “No” AND VegetationCommonName is not “Palm” or “Bamboo”.	Yes	90	Text
Vegetation Management Project Point	VegetationSpecies	Species of vegetation. Do not use “sp.” except for the following genera: Acacia, Agave Ailanthus, Albizia, Arctostaphylos, Callistemon, Casuarina, Catalpa, Ceanothus, Citrus, Corymbia, Eucalyptus, Lagerstroemia, Ligustrum, Malus, Melaleuca, Photinia, Pittosporum, Podocarpus, Prunus, Pyrus, Salix, Strelitzia, Syzygium,Tamarix. This field may be filled out as “sp.” or left null for the above genera and may be left null for palms and bamboo. This field is required IF IsTree is not “No” AND VegetationCommonName is not “Palm” or “Bamboo” AND VegetationGenus is not in the list above.	Yes	90	Text
Vegetation Management Project Point	VegetationCommonName	Common name of vegetation. This field is required IF IsTree is not “No” and the tree represented is a Palm or Bamboo.	Yes	91	Text
Vegetation Management Project Point	SpeciesGrowthRate	Generalized growth rate of the subject tree species. Possible values: • Slow growing • Moderately growing • Fast growing This field is required IF IsTree is not “No”.	Yes	91	Domain

Vegetation Management Project Point	TreeHeight	Tree height (feet). Round the value. Maximum value: 300. This field is required IF IsTree is not “No”.	Yes	91	Number
Vegetation Management Project Point	TreeDiameter	Tree diameter at breast height (inches). Round the value. This field is required IF IsTree is not “No”.	Yes	91	Number
Vegetation Management Project Point	DangerTree	For points representing individual trees: Is this a “danger tree” per 14 CCR 895.1? • Possible values: • Yes • No This field is IF IsTree is not “No”.	Yes	91	Domain
Vegetation Management Project Point	RadialClearanceDistance	What radial clearance distance was implemented for this project, in feet? Leave null for projects not involving radial clearance. This should be the actual clearance standard implemented, NOT the minimum clearance per regulations, if those are different (i.e., where the electrical corporation is implementing “enhanced” clearances via greater distance than required). This field is required.	Yes	91	Number
Vegetation Management Project Point	LineDeenergized	Do the power lines need to be de-energized to perform the work? Possible values: • Yes • No This field is required.	Yes	91	Domain
Vegetation Management Project Point	WMPInitiative	The name of the WMP mitigation initiative, as defined by Energy Safety, under which the activity is organized. See Appendix C. WMP Initiative Classification for acceptable field values.	Yes	91	Text
Vegetation Management Project Point	WMPActivity	The name for the WMP mitigation activity. This will be defined either by the electrical corporation or Energy Safety, according to Appendix A of the WMP Guidelines. See Appendix C. WMP Initiative Classification for acceptable field values of activities defined by Energy Safety. This field is required.	Yes	91	Text
Vegetation Management Project Point	ActivityDescription	Description of the activity.	Yes	91	Text
Vegetation Management Project Point	WMPSection	Section of the electrical corporation’s most recent WMP explaining the initiative. This field is required.	Yes	91	Text
Vegetation Management Project Point	VmpStatus	Status of the vegetation management project. Possible Values: • Planned • In progress • Complete This field is required.	Yes	91	Domain
Vegetation Management Project Point	HerbicideUse	Are any herbicides planned to be used or were any herbicides used as part of the project? Possible values: • Yes • No This field is required.	Yes	91	Domain

Vegetation Management Project Point	HerbicideName	If any herbicides are planned for use or were used, list the specific products used / to be used. This field is required IF HerbicideUse is not “No”.	Yes	92	Text
Vegetation Management Project Point	UnitsRepresented	The number of initiative target units represented by the point if more than 1. For example, the electrical corporation may represent multiple assets replaced at a single location with one point. Blank (null) and “1” values will be interpreted as representing a single unit. This field is required IF the point represents more than 1 target unit.	Yes	92	Number
Vegetation Management Project Point	DescriptionOfWork	Additional description of the vegetation management work. This field is optional.	Yes	92	Text
Vegetation Management Project Point	StartDate	The start date of the vegetation management project. This field must have values for all projects that have a value of “Complete” or “In progress” in the VmpStatus field. If exact date is not known, may approximate as the first day of the month in which project began. This field is required IF VmpStatus is “In progress” OR “Complete”.	Yes	92	Date
Vegetation Management Project Point	EndDate	The completion date of the vegetation management project. This field must have values for all projects that have a value of “Complete” in the VmpStatus field. If exact date is not known, may approximate as last day of the month in which project was completed. This field is required IF VmpStatus is “Complete”.	Yes	92	Date
Vegetation Management Project Point	CoastalRedwoodExemption	Coastal redwood exception to clearance being applied. Possible values: • Yes • No This field is required.	Yes	92	Domain
Vegetation Management Project Point	EncroachPermit	Is an encroachment permit required for the vegetation management project? Possible values: • Yes • No This field is required.	Yes	92	Domain
Vegetation Management Project Point	EnvPermit	Is special environmental permitting needed for the vegetation management project? • Possible values: • Yes • No This field is required.	Yes	92	Domain
Vegetation Management Project Point	EnvPermitProject	Specific activity (e.g., timber harvest under an exemption) for which a permit was obtained. This field is required IF EnvPermit is “Yes”.	Yes	92	Text
Vegetation Management Project Point	CALFIREHdNumber	If applicable, enter the CAL FIRE harvest document number applicable to the initiative. When the permitted project is timber harvest under an exemption, this field must include the harvest document number of the exemption (e.g., 2-20EX-01049-BUT). This field is required IF the project has a CAL FIRE harvest document.	Yes	92	Text

Vegetation Management Project Point	OtherEnvPermitDocumentation	For any projects that do not have a CAL FIRE harvest document number or that have a CAL FIRE Harvest document number and additional permit documentation, enter any key details about environmental permit documentation and project ID numbers. This field is required if EnvPermit is “Yes” and CALFIREHdNumber is not populated.	Yes	92	Text
Vegetation Management Project Point	CommercialHarvest	Does the initiative involve commercial harvest? Possible values: • Yes • No This field is required.	Yes	92	Domain
Vegetation Management Project Point	SlashManagement	How is brush or slash generated by the vegetation management project being managed or treated? Possible values: • None • Lopping • Chipping • Removal • Other, see comment • “Slash”, pursuant to PRC § 4525.7, means branches or limbs less than four inches in Diameter, and bark and split products debris left on the ground as a result of Timber Operations. This field is required.	Yes	93	Domain
Vegetation Management Project Point	SlashManagementComments	Brush/slash management method not listed above. This field is required IF SlashManagement is “Other, see comment”.	Yes	93	Text
Vegetation Management Project Point	TreeTrimCountPlanned	Number of trees planned for trimming in the project. Trees over 6” DBH and outside a 4’ radius of the conductor must be counted. Enter “0” if tree trimming is not part of the vegetation project. This field is required.	Yes	93	Number
Vegetation Management Project Point	TreeRemovalCountPlanned	Number of trees planned for removal in the project. Trees over 6” DBH and outside a 4’ radius of the conductor must be counted. Enter “0” if tree removal is not part of the vegetation project. This field is required.	Yes	93	Number
Vegetation Management Project Point	TreeTrimCountActl	Number of trees actually trimmed as part of the project. Trees over 6” DBH and outside a 4’ radius of the conductor must be counted. Enter “0” if tree trimming is not part of the vegetation project. This field is required IF VmpStatus is “Complete”.	Yes	93	Number
Vegetation Management Project Point	TreeRemovalCountActl	Number of trees actually removed as part of the project. Trees over 6” DBH and outside a 4’ radius of the conductor must be counted. Enter “0” if tree removal is not part of the vegetation project. This field is required IF VmpStatus is “Complete”.	Yes	93	Number

Vegetation Management Project Point	WoodDestination	Record how boles of trees (6" diameter and greater) will be treated. If multiple destinations apply, list them all in the "VegetationDestinationComment" field. • Possible values: • Sawmill • Firewood • Biomass facility • Left whole on-site • Left chipped on-site • Burned on-site • None • Other, see comment • "Left whole on-site" includes bucked logs – whole means "not chipped". "None" means no such material will be generated (e.g. pole brushing). This field is required.	Yes	93	Domain
Vegetation Management Project Point	WoodDestinationComment	Wood destination not listed above; or, if multiple destinations apply, list them here. This field is required IF WoodDestination is "Other, see comment".	Yes	93	Text
Vegetation Management Project Point	HFTDClass	The CPUC High Fire Threat District (HFTD) area that the vegetation management project intersects. For these data, anything outside Tiers 2 and 3 must be categorized as "Non-HFTD." Do not record any Zone 1 or Tier 1 values. Possible values: • Tier 3 • Tier 2 • Non-HFTD • HFTD data can be downloaded from: https://ia.cpuc.ca.gov/firemap. This field is required.	Yes	94	Domain
Vegetation Management Project Polygon	VmpID	Unique ID or job ID of an initiative. Primary key for Vegetation Management Project Polygon feature class. This field is required.	Yes	94	Text
Vegetation Management Project Polygon	UtilityID	Standardized identification name of the electrical corporation. Possible values: • BVES • HWT • Liberty • LS Power • PacifiCorp • PG&E • SCE • SDG&E • TBC This field is required.	Yes	94	Domain
Vegetation Management Project Polygon	UMATID	This is the Utility Mitigation Activity Tracking ID, a unique tracking ID for a given activity. This ID must match the UTILITY MITIGATION ACTIVITY TRACKING ID and UMAT fields for the same activity in all data submissions for the activity's entire lifecycle. This field must correspond with the Utility Mitigation Activity Tracking ID referenced where the activity is discussed in the electrical corporation's WMP(s). This field should remain static even if WMP category, WMP initiative, or WMP Section numbers change. This field is required.	Yes	94	Text
Vegetation Management Project Polygon	ActivityClass	Was the activity performed ONLY to meet requirements of statute or regulation, or done at the electrical corporation's discretion? Clearances to greater than required distance are considered discretionary. Possible values: • Regulatory • Discretionary This field is required.	Yes	94	Text

Vegetation Management Project Polygon	AssetID	Unique ID for a specific point asset. Must be traceable stable ID within a specific asset class. Foreign key to all the related Asset Point feature class attribute tables. • For Support Structure, use Support Structure ID. For Transformer Site, use • Transformer Site ID. This field is required IF the VM activity represented by the point is focused on an individual asset recorded as a point in data submitted to Energy Safety.	Yes	95	Text
Vegetation Management Project Polygon	AssetFeature	Identifies the feature class where the asset ID should be found. Possible values: • Camera • Connection Device • Fuse • Lightning Arrester • Substation • Support Structure • Switchgear • Transformer Site • Weather Station This field is required IF AssetID is populated.	Yes	95	Text
Vegetation Management Project Polygon	SegmentID	ID of the specific circuit segment on which the work was done, if any. Foreign key to the Asset Line features if the electrical corporation has persistent unique segment IDs. A segment may be anything more granular than a circuit, including a single span. This field is required IF the activity represented by the point is focused on conductor (e.g., radial clearance) AND the electrical corporation has persistent stable IDs for circuit segments.	Yes	95	Text
Vegetation Management Project Polygon	CircuitID	ID of the specific circuit on which the work was done, if any. Foreign key to the Asset • Line features if the electrical corporation does not have persistent unique segment IDs. This field is required IF the activity represented by the point is focused on conductor (e.g., radial clearance) AND SegmentID is not populated.	Yes	95	Text
Vegetation Management Project Polygon	LineClass	Identifies the feature class where the segment or circuit ID should be found. Possible values: • Transmission Line • Primary Distribution Line • Secondary Distribution Line This field is required IF SegmentID or CircuitID is populated.	Yes	95	Domain
Vegetation Management Project Polygon	ProjectLocationOrAddress	Address or location description for project location. This field is optional.	Yes	95	Text
Vegetation Management Project Polygon	LineDeenergized	Do the power lines need to be de-energized to perform the work? Possible values: • Yes • No This field is required.	Yes	95	Domain
Vegetation Management Project Polygon	WMPInitiative	The name of the WMP mitigation initiative, as defined by Energy Safety, under which the activity is organized. See Appendix C. WMP Initiative Classification for acceptable field values.	Yes	95	Text

Vegetation Management Project Polygon	WMPActivity	The name for the WMP mitigation activity. This will be defined either by the electrical corporation or Energy Safety, according to Appendix A of the WMP Guidelines. See Appendix C. WMP Initiative Classification for acceptable field values of activities defined by Energy Safety. This field is required.	Yes	95	Text
Vegetation Management Project Polygon	ActivityDescription	Description of the activity.	Yes	95	Text
Vegetation Management Project Polygon	WMPSection	Section of the electrical corporation's most recent WMP explaining the initiative. This field is required.	Yes	96	Text
Vegetation Management Project Polygon	VmpStatus	Status of the vegetation management project. Possible Values: • Planned • In progress • Complete This field is required.	Yes	96	Domain
Vegetation Management Project Polygon	HerbicideUse	Are any herbicides planned to be used or were any herbicides used as part of the project? Possible values: • Yes • No This field is required.	Yes	96	Domain
Vegetation Management Project Polygon	HerbicideName	If any herbicides are planned for use or were used, list the specific products used / to be used. This field is required IF HerbicideUse is not "No".	Yes	96	Text
Vegetation Management Project Polygon	UnitsRepresented	The number of initiative target units represented by the polygon, if not equal to the polygon's area. Blank (null) values will be interpreted as the polygon representing its area. This field is required IF the polygon represents a different number of units than its area.	Yes	96	Number
Vegetation Management Project Polygon	DescriptionOfWork	Additional description of the vegetation management work. This field is optional.	Yes	96	Text
Vegetation Management Project Polygon	StartDate	The start date of the vegetation management project. This field must have values for all projects that have a value of "Complete" or "In Progress" in the VmpStatus field. If exact date is not known, may approximate as the first day of the month in which project began. This field is required IF VmpStatus is "In progress" OR "Complete".	Yes	96	Date
Vegetation Management Project Polygon	EndDate	The completion date of the vegetation management project. This field must at least have values for all projects that have a value of "Complete" in the VmpStatus field. If exact date is not known, may approximate as last day of the month in which project was completed. This field is required IF VmpStatus is "Complete".	Yes	96	Date

Vegetation Management Project Polygon	CoastalRedwoodExemption	Coastal redwood exception to clearance being applied. Possible values: • Yes • No This field is required.	Yes	96	Domain
Vegetation Management Project Polygon	EncroachPermit	Is an encroachment permit required for the vegetation management project? Possible values: • Yes • No This field is required.	Yes	96	Domain
Vegetation Management Project Polygon	EnvPermit	Is special environmental permitting needed for the vegetation management project? • Possible values: • Yes • No This field is required.	Yes	96	Domain
Vegetation Management Project Polygon	EnvPermitProject	Specific activity (e.g., timber harvest under an exemption) for which a permit was obtained. This field is required IF EnvPermit is “Yes”.	Yes	96	Text
Vegetation Management Project Polygon	CALFIREHdNumber	If applicable, enter the CAL FIRE harvest document number applicable to the initiative. When the permitted project is timber harvest under an exemption, this field must include the harvest document number of the exemption (e.g., 2-20EX01049-BUT). This field is required IF the project has a CAL FIRE harvest document.	Yes	97	Text
Vegetation Management Project Polygon	OtherEnvPermitDocumentation	For any projects that do not have a CAL FIRE harvest document number or that have a CAL FIRE Harvest document number and additional permit documentation, enter any key details about environmental permit documentation and project ID numbers. This field is required if EnvPermit is “Yes” and CALFIREHdNumber is not populated.	Yes	97	Domain
Vegetation Management Project Polygon	CommercialHarvest	Does the initiative involve commercial harvest? Possible values: • Yes • No This field is required.	Yes	97	Domain
Vegetation Management Project Polygon	SlashManagement	How is brush or slash generated by the vegetation management project being managed or treated? Possible values: • None • Lopping • Chipping • Removal • Other, see comment • “Slash”, pursuant to PRC § 4525.7, means branches or limbs less than four inches in Diameter, and bark and split products debris left on the ground as a result of Timber Operations. This field is required.	Yes	97	Domain
Vegetation Management Project Polygon	SlashManagementComments	Brush/slash management method not listed above. This field is required IF SlashManagement is “Other, see comment”.	Yes	97	Text

Vegetation Management Project Polygon	TreeTrimCountPlanned	Number of trees planned for trimming in the project. Trees over 6” DBH and outside a 4’ radius of the conductor must be counted. Enter “0” if tree trimming is not part of the vegetation project or if TreeTrimAcreagePlanned is used instead. This field is required.	Yes	97	Number
Vegetation Management Project Polygon	TreeTrimAcreagePlanned	Acreage of trees planned for trimming in the project. Use two decimal places. Enter “0” if tree trimming is not part of the project or if TreeTrimCountPlanned is used instead. This field is required.	Yes	97	Number
Vegetation Management Project Polygon	TreeRemovalCountPlanned	Number of trees planned for removal in the project. Trees over 6” DBH and outside a 4’ radius of the conductor must be counted. Enter “0” if tree removal is not part of the vegetation project or if TreeRemovalAcreagePlanned is used instead. This field is required.	Yes	97	Number
Vegetation Management Project Polygon	TreeRemovalAcreagePlanned	Acreage of trees planned for removal in the project. Use two decimal places. Enter “0” if tree removal is not part of the vegetation project or if TreeRemovalCountPlanned is used instead. This field is required.	Yes	97	Number
Vegetation Management Project Polygon	TreeTrimCountActl	Number of trees actually trimmed as part of the project. Not relevant for projects that are planned or in progress. Trees over 6” DBH and outside a 4’ radius of the conductor must be counted. Enter “0” if tree trimming is not part of the vegetation project or if TreeTrimAcreageActl is used instead. This field is required IF VmpStatus is “Complete”.	Yes	97	Number
Vegetation Management Project Polygon	TreeTrimAcreageActl	Acreage of trees actually trimmed as part of the in the project. Not relevant for projects that are planned or in progress. Enter “0” if tree trimming is not part of the vegetation project or if TreeTrimCountActl is used instead. This field is required IF VmpStatus is “Complete”.	Yes	98	Number
Vegetation Management Project Polygon	TreeRemovalCountActl	Number of trees actually removed as part of the project. Not relevant for projects that are planned or in progress. Enter “0” if tree removal is not part of the vegetation project or TreeRemovalAcreageActl is used instead. This field is required IF VmpStatus is “Complete”.	Yes	98	Number
Vegetation Management Project Polygon	TreeRemovalAcreageActl	Acreage of trees actually removed as part of the project. Not relevant for projects that are planned or in progress. Enter “0” if tree removal is not part of the vegetation project or if TreeRemovalCountActl is used instead. This field is required IF VmpStatus is “Complete”.	Yes	98	Number

Vegetation Management Project Polygon	WoodDestination	Record how boles of trees (6" diameter and greater) will be treated. If multiple destinations apply, list them all in the "VegetationDestinationComment" field. • Possible values: • Sawmill • Firewood • Biomass facility • Left whole on-site • Left chipped on-site • Burned on-site • None • Other, see comment • "Left whole on-site" includes bucked logs – whole means "not chipped". "None" means no such material will be generated (e.g., pole brushing). This field is required.	Yes	98	Domain
Vegetation Management Project Polygon	WoodDestinationComment	Wood destination not listed above; or, if multiple destinations apply, list them here. This field is required IF WoodDestination is "Other, see comment".	Yes	98	Text
Vegetation Management Project Polygon	HFTDClass	The CPUC High Fire Threat District (HFTD) area that the vegetation management project intersects. For these data, anything outside Tiers 2 and 3 must be categorized as "Non-HFTD." Do not record any Zone 1 or Tier 1 values. If a data polygon spans multiple HFTD areas, list them under the "HFTDClassComment" field. Possible values: • Tier 3 • Tier 2 • Non-HFTD • Multiple, see comment • HFTD data can be downloaded from: https://ia.cpuc.ca.gov/firemap. This field is required.	Yes	98	Domain
Vegetation Management Project Polygon	HFTDClassComment	If the project polygon intersects multiple HFTD areas, list all of them here. This field is required IF HFTDClass is "Multiple, see comment".	Yes	98	Text