

Fire Incident Data Collection Plan and Reporting Procedure

SUMMARY

This utility procedure describes the process for Pacific Gas and Electric Company (PG&E) to comply with the California Public Utility Commission (CPUC) [Decision 14-02-015](#), which requires PG&E to annually report all fire ignitions associated with its electric facilities that meet the criteria specified in the decision. The fire ignition data is used in other regulatory commitments, including the production of the Wildfire Mitigation Plan (WMP) and Geographic Information System (GIS) Data Reporting submissions to the Office of Energy Infrastructure Safety (OEIS). The purpose of the procedure is to allow specific characteristics of **PG&E Facility Ignitions** to be identified, to assess recurring fire ignition trends and formulate future fire prevention strategies.

None of the determinations as to the nature, source, characteristics and/or evaluation of fire ignitions subject to this procedure shall constitute an admission by PG&E as to the causation (cause-in-fact, proximate cause, and/or root cause) of ignitions evaluated pursuant to this procedure nor constitute an admission by PG&E of its liability for ignitions evaluated pursuant to this procedure.

Level of Use: Informational Use

TARGET AUDIENCE

This procedure targets PG&E personnel engaged in field operations and personnel responsible for managing fire ignition data.

SAFETY

N/A

BEFORE YOU START

N/A

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PROCEDURE STEPS

1 Documenting Ignitions

1.1 PG&E First Responders to Distribution Ignition Incidents

IF a fire ignition that is related to PG&E-owned Distribution lines or facilities occurs,

THEN the first responder is dispatched to the fire location and RECORDS key data points in the appropriate system of records.

1.2 PG&E First Responders to Transmission Ignition Incidents

IF a fire ignition that is related to PG&E-owned Transmission lines or facilities occurs,

THEN the first responder is dispatched to the fire location and REPORTS key data points to the Grid Control Center (GCC) to RECORD key data points in the appropriate system of records.

NOTE

Key data points include but are not limited to: fire start time, size of fire, location of fire, suspected cause of fire, material that initially burned, and who suppressed the fire.

2 Ignition Intake Process

2.1 The Ignition Intake team OBTAINS key data points from the system of record and ADDS new ignitions to the ignition tracker.

2.2 The Ignition Intake team PERFORMS a preliminary investigation for each newly documented ignition based on the information available to determine the following but not limited to,

1. **CPUC Reportability**
2. Suspected Initiating Event
3. High Fire Threat District (HFTD)
4. Circuit Protection Zone (CPZ)
5. Enhanced Powerline Safety Settings (EPSS) Enablement Status

2.3 The Ignition Intake team creates **Reviewer Notes** based on their preliminary findings.

2.4 IF initial available details of the ignition appear **not** to involve PG&E electric facilities in accordance with [Fire Ignition Five Minute Meeting](#),

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THEN Intake is completed by noting in the **Executive Summary** that the ignition is **not** a **PG&E Facility Ignition** and UPDATE the following fields:

1. **CPUC Reportable Ignition:** "N"
2. **PG&E Facility Ignition:** "N"
3. Ignition Source: "Not PG&E"
4. Suspected Initiating Event: "Other Fire: Non-PG&E related"

AND change status to complete and update complete date and review update date.

3 Ignition Investigation QC Process

3.1 Ignition Investigations Supervisor or Lead will ASSIGN each ignition incident to an Ignition Investigator based upon the preliminary priority assessment, in accordance with the priority model. PRIORITY:

1. CPUC reportable "Yes" or "Unknown" ignition in HFTD 2 or 3
2. CPUC reportable "No" ignition in HFTD 2 or 3
3. CPUC reportable "Yes" or "Unknown" ignition in non-HFTD
4. CPUC reportable "No" ignition in non-HFTD

3.2 Ignition Investigators must PULL, REVIEW, and SAVE all relevant reports and photos into the PG&E network share drive folder for the assigned index.

3.3 IF more information on the incident is required, first responders may be INTERVIEWED as necessary.

1. IF interviewing a **PG&E First Responder**, SAVE interview guide in the PG&E network share drive folder for the assigned index AND update the PG&E First Responder contact fields including date, LAN ID, contact method, and any relevant notes.
2. IF requesting a **fire report from a fire agency**, SAVE fire report and any other documentation the PG&E network share drive folder for the assigned index AND update the Fire Agency contact fields including date requested, name of agency, contact method, and any relevant notes.

NOTE

For any ignition in which the fire size is greater than 10 acres in size, a fire report from the responding fire agency is required to be requested.

3.4 IF **no** ignition was associated with the incident,

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THEN STOP QC, noting there was no ignition with PG&E electric facilities in the **Executive Summary** and UPDATE the following fields:

1. **CPUC Reportable Ignition:** "N"
2. **PG&E Facility Ignition:** "N"
3. Ignition Source: "Not PG&E"
4. Suspected Initiating Event: "No Fire"
5. Fire Size: "No Fire"

AND change status to complete and update complete date and review update date.

3.5 IF PG&E electric facilities were **not** associated with the ignition,

THEN COMPLETE Step 2.4.

3.6 IF PG&E electric facilities were associated with the ignition,

THEN complete an investigation of the ignition using the following steps from the [Ignition Investigation QC Job Aid](#):

1. VALIDATE data in ignition tracker against reports.

IF discrepancies are found,

THEN CORRECT and NOTE any errors found during the investigation of the ignition.

2. VERIFY CPUC reportability.

IF determined **CPUC reportable – Yes**,

- a. THEN SELECT the best represented photo of the ignition AND ENTER in the photo name into the OEIS Ignition Photo field.

UPLOAD the best represented photo of the ignition to the [GIS Data Inventory & Submission SharePoint](#).

IF no photos are available, enter "No Photo" into the OEIS Ignition Photo field.

- b. AND fire size is 10 acres or more, THEN

(1) Follow steps in 3.3.2, and

(2) UPDATE the following fields with the appropriate values based upon fire agency documents:

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- Wildfire Acreage Burned
- Wildfire Structures Destroyed
- Wildfire Injuries
- Wildfire Fatalities

THEN change status to complete and update complete date and review update date.

- 3.7 IF at any point during the investigation process the ignition event is suspected to meet Electric Incident Reporting (EIR) criteria,

THEN call PG&E's CPUC Incident Reporting 24-Hour Hotline (415-973-CPUC or 415-973-2782)

AND leave a voice message with the following information:

- Your name and callback phone number
- Incident date and time
- Incident location
- Circuit on which the incident occurred
- Why incident was reported to the hotline

4 Ignition Investigation Closeout – Internal Reporting

- 4.1 The Ignition Intake team UPDATES the ignition database with new daily ignitions and REPORTS daily ignition update via electronic mail to leadership.
- 4.2 The Ignition Intake team UPDATES leadership and stakeholders of the new ignitions added to the ignition database and completed ignitions.
- 4.3 The Ignition Intake team LOGS and RECORDS critical data into the Excel master ignitions tracker on the PG&E network share drive which is backed up on the secured SQL server database daily.

5 Ignition Investigation Closeout – External Reporting

- 5.1 Upon preliminary completion of Ignition QC, the Ignition Investigations Team NOTIFIES OEIS daily by doing the following:
1. Ignitions Intake Team PULLS the OEIS report via Foundry based on the OEIS Emergency Rulemaking Compliance Protocol criteria into Excel document.

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2. Ignitions Investigations Leadership APPROVES and FINALIZES Excel document and submits to Electric Incident Investigations (EII) Team.
 3. EII Team PROVIDES a written narrative via electronic mail and data attached in an Excel spreadsheet template to OEIS in accordance with Appendix B, OEIS Emergency Rulemaking Compliance Protocol Written Narrative Requirements.
- 5.2 Upon completion of Ignition QC, the Ignition Investigations Team must COMPLETE and FINALIZE the data set by doing the following:
1. Overall QC of compliance required fields.
 2. IF submitting the quarterly OEIS submittal,
 - a. SEND notification to Data Management and Analytics Team notifying data submittal readiness via electronic mail.
 - b. Data Management and Analytics Team PULLS ignitions data set from Foundry and REFORMATS the data in accordance with Appendix C, OEIS Quarterly Ignition Data for GIS Data Reporting Standard.
 - c. Data Management and Analytics Team SENDS to Ignitions Investigations Leadership and Legal for review AND incorporate any edits if required.
 - d. Data Management and Analytics Team SUBMITS OEIS Data Standard for final submittal on or before:

Quarter	Submission Date
Q1 Data	May 1
Q2 Data	August 1
Q3 Data	November 1
Q4 Data	With WMP Submission

NOTE

PG&E reserves making the final determination on CPUC reportability until our reporting date to the commission, April 1st the following calendar year, to allow for the maximum time to perform necessary due diligence on incidents under active investigation. Incidents that are still under investigation at the time of regulatory submittal will be included in regulatory submittal at the direction of Law.

3. IF submitting the yearly Communication Infrastructure Providers (CIP) submittal,
 - a. REFORMAT data in accordance with Appendix A, CPUC Decision 14-02-015 Specific Fire-Related Data Reporting Requirements.

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- b. Ignitions Investigations Leadership and Legal review AND incorporate any edits if required.
 - c. SEND via electronic mail to CIP distribution list with ignition data attached as an Excel file on or before March 1.
 - d. The Ignition Investigator team must SEND the CIP transmittal to Regulatory Relations for storage on c-Net.
 4. IF submitting the yearly CPUC submittal,
 - a. Complete steps 5.2.3a – b.
 - b. SEND via electronic mail to Regulatory Relations with ignition data attached as an Excel File on or before April 1.
 - c. Regulatory Relations SUBMITS annual fire data to CPUC via electronic mail.
 - d. The Ignition Investigator team must SEND the CPUC transmittal (final annual fire incident report) to Regulatory Relations for storage on c-Net.

END of Instructions

DEFINITIONS

CIP: The Communication Infrastructure Providers (CIP) are notified annually of ignitions pursuant to the Fire Incident Data Collection Plan that involves CIPs facilities.

Circuit Protection Zone (CPZ): The smallest non-overlapping sections of the Distribution grid that can be de-energized by circuit breakers and line reclosers (including trip savers and fuse savers) that are typically in the closed position at the time of aggregation.

CNet: A PG&E application that tracks regulatory compliance items resulting from directives issued by the CPUC, CEC, FERC or other state regulators (typically via a decision, resolution, or ruling).

CPUC: The California Public Utilities Commission (CPUC) is the regulatory agency for the state of California that regulates privately-owned public utilities within the state of California. The CPUC regulates electric power, telecommunications, natural gas, and water companies.

CPUC Reportable Ignition: Any PG&E Facility Ignition satisfying the following conditions:

- A *self-propagating* fire of material other than electrical and/or communication facilities, and
- The resulting fire traveled greater than one linear meter from the ignition point, and

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- PG&E has knowledge that the fire occurred.

Must include all fires “associated with” PG&E facilities, even where the cause of the ignition may be under investigation and/or disputed. Should not include ignitions not associated with PG&E facilities, even if the resulting fire spread to and damaged PG&E facilities.

Electric Incident Report (EIR): An unplanned occurrence or the unplanned consequence from a planned activity caused by or allegedly caused by PG&E’s electric facilities that meets one of the specific criteria: fatalities/injury, significant public attention or media coverage, or property damage that is reported to the CPUC.

Enhanced Powerline Safety Settings (EPSS): This program was enacted in July 2021, EPSS is enabled when wildfire risk is high and only disabled when conditions allow. EPSS enablement allows for powerlines to automatically shut off power if a hazard is detected in less than 1/10th of a second, like a tree branch striking the line.

Executive Summary: A brief synopsis of the ignition event including at minimum the date of the ignition, location, circuit, cause of the ignition, and the fire suppressing agency.

Foundry: Foundry is an enterprise data management platform offering comprehensive tooling for working with big data. It enables organizations to integrate data sets of any size or format from any number of sources, interrogate and visualize the data, and equip technical and non-technical users to make data-driven operational decisions.

High Fire Threat District (HFTD): The CPUC defines as high fire-threat areas, where there is a higher risk for power line fires igniting and spreading rapidly. HFTD data can be downloaded from: <https://ia.cpuc.ca.gov/firemap>.

Ignition Database: The internal PG&E database containing all known PG&E facility ignitions.

Ignition Point: The location where a rapid, exothermic reaction was initiated that propagated and caused the material involved to undergo change, producing temperatures greatly in excess of ambient temperature.

Ignition Source: A process or event which can cause a fire or explosion. For tracking purposes, values are PG&E, Not PG&E, and Unknown.

OEIS: The Office of Energy Infrastructure Safety, sometimes referred to as Energy Safety, under the California Natural Resources Agency, once referred to as the Wildfire Safety Division within the CPUC prior to July 1, 2021, is dedicated to reducing utility-related wildfire risk and long-term wildfire safety.

OEIS Data Standard: The Geographic Information Systems (GIS) Data for Energy Safety in support of its oversight and enforcement of electrical corporations’ compliance and wildfire safety. Reporting Standard includes feature classes for ignitions containing asset and risk data.

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PG&E Facility Ignition: A rapid, exothermic reaction resulting in an ignition associated with utility electric facilities that results in a *self-propagating* fire, based on best available information at the time.

PG&E First Responder: PG&E personnel who may be first on scene of an ignition incident or may provide support to emergency response personnel. These personnel include but are not limited to: Transmission and Distribution Troublemakers, Electric Crews, Distribution Line Technicians, Field Metering, Safety and Infrastructure Protection Team, and Public Safety Specialists.

Reviewer Notes: An initial assessment of the ignition event collected through the Intake process. Reviewer Notes can be added to throughout the QC process to document any items of note.

Self-Propagating: Remains on fire after de-energization.

Suspected Initiating Event: An event that creates a disturbance, ignition, that has the potential to lead to damage.

Wildfire: PG&E defines wildfires to mean ignitions that are 10 or more acres in size. This is an internal to PG&E definition and may not be consistent with other entities.

WMP: The Wildfire Mitigation Plan (WMP) provides updated details on PG&E's Community Wildfire Safety Program (CWSP), incorporates lessons learned from the prior year's wildfire season, and outlines additional programs planned to continue reducing the risk of catastrophic wildfires. The WMP is submitted to OEIS for approval each year.

IMPLEMENTATION RESPONSIBILITIES

The Ignition Investigations Manager and Ignition Investigations Supervisor are responsible for overseeing the day-to-day operation and management of the Ignition Database and Investigation Process, including tasks involving the implementation and communication of this utility standard.

GOVERNING DOCUMENT

[RISK – 6306S, "Fire Incident Data Collection and Reporting Standard"](#)

COMPLIANCE REQUIREMENT/REGULATORY COMMITMENT

[CPUC Decision 14-02-015](#)

[Geographic Information System \(GIS\) Data Reporting Standard for California Electrical Corporations - V2](#)

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OEIS Emergency Rulemaking Compliance Requirements, Section §29300 A1-2, B:

	29300 (A)(1) Notification	29300 (A)(2) Notification	29300 (B) Notification	29301 Investigation
Requirement	(a) A regulated entity shall notify the Office within 12 hours of observing: (1) A fault, outage, or other anomaly on infrastructure it owns or operates occurring within the vicinity of a fire requiring a response from a fire suppression agency.	(a) A regulated entity shall notify the Office within 12 hours of observing: (2) A wildfire threat that poses a danger to infrastructure it owns or operates requiring a response from a fire suppression agency.	A regulated entity shall notify the Office within four hours of receiving notice that infrastructure that it owns or operates is being investigated by a governmental agency for involvement in potentially causing an ignition.	In the event that a regulated entity or fire investigation agency suspects an ignition to have been started by the infrastructure owned or operated by a regulated entity, the entity shall submit an incident report within 30 days of the incident.
Scope	Pull from Ignition Database and Possible Ignition Tracker all ignitions that have an associated outage ("OISNumber", "ILIS Number", and "TOTL Number" columns), had a fire ("Fire Size" column), and were suppressed by a Fire Suppressing Agency ("FireSuppressingAgency" column). A preliminary QC of the data is performed, typically including reaching out to the responding Tman.	Anything listed on the "HAWC FIRE ACTIVITY REPORT" (WSOC DB Connection PROD 2.0 - Power BI) that was sent to the Distribution (DCC) and/or Grid (GCC) Control Center, indicating it aligns with AH-1100P for Hazards. For the DCC, (1) vegetation fires 5+ acres within 1 mile of electric distribution assets, an outage exists in the area of the fire, and/or the fire is burning directly under the lines or other distribution assets) or (2) vehicle, structure, other fires where an electric outage exists in the area of the fire. For the GCC, a 1+ acre vegetation fire within 2 miles of assets OR if the fire is burning directly under lines or other electric transmission assets.	Interpreted as receiving formal notification (e.g., letter, court document) directly from a local/state/federal agency notifying us that PG&E is being investigated as a potential cause of the ignition. Fire reports that indicate PG&E equipment as the suspected "Cause of Ignition" are included in this category.	(1) Incidents submitted per 29300 (B) (either initially or originally as 29300 (A)) OR (2) Incidents that meet the Electric Incident Report (EIR) criteria where PG&E is being investigated by a regulated entity or fire investigation agency to have started an ignition OR (3) Incidents that meet the Electric Incident Report (EIR) criteria that are determined by an internal PG&E investigation as a potential "attributable" ignition event.
#	900 – 1200 / year	~250 / year	Unknown	~50 – 60 / year
Deliverable	Single email submitted each business day attaching excel spreadsheet with rows combining all entries for 29300 (A)(1), 29300 (A)(2), and 29300 (B). Provides all columns asked for (populated if possible), and an additional "Summary" column that provides an overview of the ignition. Archive of submissions is located here .			30-day Investigation report similar to the 20-day CPUC report. Work with Aaron Shapiro (Law) to have text of report satisfy needs of

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		both 20-day CPUC and 30-day OEIS report if possible. Use 30-day report template for OEIS, which typically also includes additional attachment for witnesses.
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Records and Information Management:

PG&E records are company assets that must be managed with integrity to ensure authenticity and reliability. Each Line of Business (LOB) must manage Records and Information in accordance with the Enterprise Records and Information (ERIM) Policy, Standards and Enterprise Records Retention Schedule (ERRS). Each Line of Business (LOB) is also responsible for ensuring records are complete, accurate, verifiable and can be retrieved upon request. Refer to [GOV-7101S, "Enterprise Records and Information Management Standard"](#) for further records management guidance or contact ERIM at Enterprise_RIM@pge.com.

REFERENCE DOCUMENTS

Developmental References:

N/A

Supplemental References:

[RISK-6305P-01, "Electric Incident Reporting On-Call Representative Procedure"](#)

APPENDICES

Appendix A, CPUC Decision 14-02-015 Specific Fire-Related Data Reporting Requirements

Appendix B, OEIS Emergency Rulemaking Compliance Protocol Written Narrative Requirements

Appendix C, OEIS Quarterly Ignition Data for GIS Data Reporting Standard

DOCUMENT REVISION

Utility Standard: Risk-6306P-01, Rev: 0

DOCUMENT APPROVER

██████████ Sr. Director, Wildfire Risk Management

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DOCUMENT OWNER

██████████ Manager, Ignition Investigations

██████████ Supervisor, Ignition Investigations

DOCUMENT CONTACT

██████████ Sr. Incident Investigator, Ignition Investigations

REVISION NOTES

Where?	What Changed?	Who?	When?
Title	Procedure title changed to include “and Reporting”.	██████████	September 2022
Summary	Revised summary to include the regulatory commitments for the fire ignition data.	██████████	September 2022
Target Audience	Updated to match standard (RISK-6306S).	██████████	September 2022
Before You Start	Section removed.		September 2022
Section 1	Removed “Overview of Roles and Responsibilities”. This section was moved to the standard (RISK-6306S).	██████████	September 2022
Section 2	Revised section to align with current process under section 1 Documenting Ignitions.	██████████	September 2022
Section 3.1, 3.2.a & b	Revised section to align with current process under section 2 Ignition Intake Process.	██████████	September 2022
Section 3.2.c	Revised section to align with current process under section 3 Ignition QC Process.	██████████	September 2022
Section 3.3 & 3.4	Revised section to align with current process under section 4 Ignition Investigation Closeout – Internal Reporting.	██████████	September 2022
Section 4	Revised section to align with current process under section 5 Ignition Investigation Closeout – External Reporting.	██████████	September 2022
Section 5	Revised section to align with current process under section 5.2.4.d Ignition Investigation Closeout – External Reporting.	██████████	September 2022
Section 5	Added in daily and quarterly OEIS submission process.	██████████	September 2022
Definitions	Added new definitions and removed fire incident data fields required for reporting.	██████████	September 2022
Implementation Responsibilities	Responsibilities have been changed from Compliance and Vegetation Management to Ignition Investigations.	██████████	September 2022
Compliance Requirement / Regulatory Commitment	Added GIS Data Reporting Standard for California Electrical Corporations – V2; OEIS Emergency Rulemaking Compliance Requirements, Section §29300 A1-2, B; and	██████████	September 2022

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	added in records and information management verbiage.		
Document Approver, Document Owner, and Document Contact	Document Approver, Owner, and Contact has changed as the work group responsible changed from Electric Operations CPUC Compliance to Ignition Investigations.	██████████	September 2022
Supplemental Reference	RISK-6305P-01 Electric Incident Reporting On-Call Representative Procedure added.	██████████	September 2022
Appendices	Added 3 appendices to document: Appendix A, CPUC Decision 14-02-015 Specific Fire-Related Data Reporting Requirements Appendix B, OEIS Emergency Rulemaking Compliance Protocol Written Narrative Requirements Appendix C, OEIS Quarterly Ignition Data for GIS Data Reporting Standard	██████████	September 2022
Attachments	Removed attachments of Field Automation System (FAS) and Transmission Outage Tracking and Logging (TOTL).	██████████	September 2022
Throughout	Changed compliance specialist to ignition investigator.	██████████	September 2022
Throughout	Included hyperlinks to specific document and websites.	██████████	September 2022

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Appendix A, CPUC Decision 14-02-015 Specific Fire-Related Data Reporting Requirements

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Utility Name	Name of utility reporting the event.
Date	Date the event started.
Time	The time the event started.
Location	Latitude and longitude coordinates of the point of ignition.
Material at Origin	Material involved in the initial fueling of the fire.
Land Use at Origin	Nature of land use in the vicinity of the point of the fire's origin (i.e. Urban, Rural).
Size	An approximation of the fire size.
Suppressed by	Who suppressed the fire.
Suppressing Agency	If the fire was suppressed by a fire agency or agencies, insert the lead agency when one or more agency was involved.
Facility Identification	Utility's description of the pole and/or equipment involved.
Other Companies	Other companies that were attached to the pole in question and known to the utility. If the facilities involved were not overhead leave this field blank.
Voltage	Nominal voltage rating of all the utility equipment and/or circuit involved in the fire use, use volts.
Equipment Involved with the Ignition	The equipment that supplied the heat that ignited the reported fire.
Type	The equipment involved in the event (overhead, pad-mounted, or subsurface).
Outage	Was there an outage involved in the event.
Outage Date	Outage start date, if one is associated with the event.
Outage Time	Outage start time, if one is associated with the event.
Suspected Initiating Event	The suspected initiating event based on initial field observations.
Equipment/Facility Failure	The specific equipment associated with the reported fire, only to be used if "Equipment/Facility Failure" is selected as Suspected Initiating Event.
Contact from Object	The first object that contacted the Communication or Electric Facilities, only to be used if "Contact from Object" is selected as Suspected Initiating Event.
Facility Contacted	The first facility that was contacted by and outside object, only to be used if "Contact from Object" is selected as Suspected Initiating Event.
Contributing Factor	Factors that contributed to the ignition.
Notes	An optional field, list additional information that could be useful when examining data.

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Field Name	Field Description
Notification Date	The date ignition data submitted to OEIS.
Notification Type	Notification type for the ignition. Possible values: <ul style="list-style-type: none"> • 29300(A)(1) • 29300(A)(2)
Utility ID	Standardized identification name of the utility (e.g., "UtilityG&E").
Confidential	Whether the incident is confidential.
Incident Start Date and Time	The date and time of the incident.
County	County where the ignition event occurred.
District	Operating district where the ignition occurred.
Latitude	The latitude of the incident location coordinates to the greatest granularity/detail known.
Longitude	The longitude of the incident location coordinates to the greatest granularity/detail known.
HFTD Class	Whether the location is in a High Fire Threat District area, and if so, which tier. Possible values: <ul style="list-style-type: none"> • Tier 3 • Tier 2 • Non-HFTD HFTD data can be downloaded from: https://ia.cpuc.ca.gov/firemap
Origin Land Use	Status of land at origin of ignition. Possible values: <ul style="list-style-type: none"> • Rural • Urban Urban is defined as more than 1,000 people per square mile using U.S. Census data at the tract level or smaller units. All other areas will be considered rural.
Material At Origin	Fuel material for the ignition origin, Possible values: <ul style="list-style-type: none"> • Vegetation • Structure • Other – See Comment
Material At Origin Comments	Origin material not listed in the options above.
Fuel Bed Description	Type of fuel bed existing at the damage location. Possible values: <ul style="list-style-type: none"> • Fire-resistive fuel bed - Fuel bed not conducive to propagating fire where damage occurred (e.g. asphalt, concrete, gravel, etc.). • Grass fuel model - Fuel bed comprised of annual grasses where damaged occurred.

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	<ul style="list-style-type: none"> • Brush fuel model - Fuel bed comprised of mainly brush or shrubs where damage occurred (e.g. chamise, manzanita, chaparral, scotch broom, etc.). • Timber fuel model - Fuel bed comprised of a timber where damaged occurred (e.g. forests, timber litter, logging slash, etc.). • Other – See Comment
Fuel Bed Description Comments	Fuel bed description not listed in the options above.
Circuit ID	The circuit(s) involved in the incident.
Circuit Voltage	The circuit(s) voltage involved in the incident.
Substation ID	The unique ID of the substation supplying the involved circuit.
Nearest Weather Station ID	Unique ID of weather station closest to the ignition location. Foreign key to the Weather Station feature class attribute table.
RFW Status	Was there a red flag warning (RFW) issued by the National Weather Service (NWS) in effect at the ignition location at the time of ignition? Possible values: <ul style="list-style-type: none"> • Yes • No
RFW Issue Date and Time	The date and time when the NWS issued the RFW in effect at the ignition location at the time of the ignition. Leave blank if there was no RFW in effect at the time of ignition at the ignition location. Also leave blank if unknown.
FWW Status	Was there a fire weather watch (FWW) issued by the National Weather Service (NWS) in effect at the ignition location at the time of ignition? Possible values: <ul style="list-style-type: none"> • Yes • No
FWW Issue Date and Time	The date and time when the NWS issued the FWW in effect at the ignition location at the time of the ignition event. Leave blank if there was no FWW in effect at the time of ignition at the ignition location. Also leave blank if unknown.
HWW Status	Was there a high wind warning (HWW) issued by the NWS in effect at the ignition location at the time of ignition? Possible values: <ul style="list-style-type: none"> • Yes • No
HWW Issue Date and Time	The date and time when the NWS issued the HWW in effect at the ignition location at the time of the ignition. Leave blank if there was no HWW in effect at the time of ignition at the ignition location. Also leave blank if unknown.

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Detection Method	The method by which the utility first learned of the ignition event. Possible values: <ul style="list-style-type: none"> • Public • Satellite • Camera • Utility staff • Fire agency • Other – See comment
Detection Method Comment	Fire detection method description not listed in the options above.
Fire Size	Fire size in acres unless otherwise indicated, of the fire if suppressed and known at time of notification. Possible values: <ul style="list-style-type: none"> • Structure-only • <3 meters of linear travel • <0.25 • 0.26-9.99 • 10-99 • 100-299 • 300-999 • 1,000-4,999 • >5,000 • Unknown
Suppressed By	Entity responsible for suppressing ignition. Possible values: <ul style="list-style-type: none"> • Customer • Fire Agency • Self-extinguished • Utility • Unknown
Suppressing Agency	If the “SuppressedBy” field has the value of “Fire Agency”, enter the fire department name.
Fire Investigation	Whether the fire authority having jurisdiction investigated the ignition and the status of the investigation. Possible values: <ul style="list-style-type: none"> • Yes – Complete • Yes – Pending • No
Fire AHJ	If there was an investigation of the ignition by a fire authority having jurisdiction, enter the fire agency name.
Outage Status	Outage status associated with the event. Possible values: <ul style="list-style-type: none"> • Open • Closed
T Outage ID	A unique ID for the transmission outage event. Foreign key to the Transmission Outage feature class attribute table.

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D Outage ID	A unique ID for the distribution outage event. Foreign key to the Distribution Outage feature class attribute table.
Suspected Initiating Cause	<p>The suspected initiating event of the ignition. Possible values:</p> <ul style="list-style-type: none"> • Object contact • Equipment failure • Wire-to-wire contact • Contamination • Normal operation • Vandalism/theft • Lightning • Unknown • Other – See comment
Suspected Initiating Cause Comment	Suspected ignition initiating event that is not listed in the options above.
Determination	<p>The entity relied upon to make the determination that was used to fill in the value of the “SuspectedInitiatingCause” field above.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • Utility personnel • Fire Agency • Other – See Comment
Determination Comment	Determination entity not listed in the options above.
Equipment Failure	<p>Description of equipment involved in the ignition if “Equipment failure” is the value of the “SuspectedInitiatingEvent” field. If “Equipment failure” is not the value of the “SuspectedInitiatingEvent” field, enter “N/A.” Possible values:</p> <ul style="list-style-type: none"> • Anchor/guy • Capacitor bank • Conductor • Connector device • Crossarm • Fuse • Insulator and bushing • Lightning arrester • Pole • Recloser • Relay • Sectionalizer • Splice • Switch • Tap • Tie wire • Transformer

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	<ul style="list-style-type: none"> • Voltage regulator/booster • Unknown • Other - See comment • N/A
Equipment Failure Comment	Description of the equipment failure not listed in the options above; or, any additional information about the equipment failure.
Object Contact	<p>Description of object involved in contact if “Object contact” is the value of the “SuspectedInitiatingCause” field. If “Object contact” is not the value of the “SuspectedInitiatingCause” field, enter “N/A.” Possible values:</p> <ul style="list-style-type: none"> • Vegetation • Animal • Balloon • Vehicle contact – car pole • Vehicle contact – aircraft • 3rd party facility • Unknown • N/A • Other – See comment
Object Contact Comment	Description of object contact not listed in the options above; or, any additional information about object contact.
Facility Contact	<p>The first facility that was contacted by an outside object. Only to be used if “Object contact” is selected as the value of the “SuspectedInitiatingCause” field. Possible values:</p> <ul style="list-style-type: none"> • Bushing mounted cutout • Capacitor bank • Communications line • Conductor - Primary • Conductor - Secondary • Conductor - Transmission • Crossarm • Fuse • Guy/span wire • Insulator • Jumper • Support structure (pole or tower) • Pothead • Recloser • Riser • Service connector • Service drop • Splice/clamp/connector

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	<ul style="list-style-type: none"> Switch Tie wire Transformer Voltage regulator Other - See comment
Facility Contact Comment	Any contacted facility that does not fall in the list above. If multiple facilities from the list above were contacted, list them here.
Additional Notes	Additional information regarding the ignition event. All additional data fields collected by the utility that are not included in this ignition schema shall be included in this field. This field is not required; if the utility does not collect any additional information, it may be left blank.
Summary of Facts	A summary of facts regarding the incident known at the time of reporting, including but not limited to, suspected cause, asset/structure IDs of involved infrastructure, and third-party involvement (if applicable).
The data that PG&E provides OEIS per the Emergency Rulemaking is preliminary based on what is available at the time of submission, therefore not all required fields are included.	

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Field Name	Field Description
IgnitionID	Unique ID for the ignition event. Primary key for the Ignition feature class attribute table.
UtilityID	Standardized identification name of the utility (e.g., "UtilityG&E").
SubstationID	Unique ID of the substation supplying the involved circuit. Foreign key to Substation feature class attribute table.
NearestWeatherStationID	Unique ID of weather station closest to the ignition location. Foreign key to the Weather Station feature class attribute table.
ToutageID	A unique ID for the transmission outage event. Foreign key to the Transmission Outage feature class attribute table.
DoutageID	A unique ID for the distribution outage event. Foreign key to the Distribution Outage feature class attribute table.
FireStartDateTime	Date and time ignition started. Leave blank if unknown.
FireStartYear	The year that the risk event occurred. Use four digits.
FireDetectionMethod	The method by which the utility first learned of the ignition event. Possible values: <ul style="list-style-type: none"> • Public • Satellite • Camera • Utility staff • Fire agency • Other – See comment
FireDetectionMethodComment	Fire detection method description not listed in the options above.
SuspectedInitiatingCause	The suspected initiating event of the ignition. Possible values: <ul style="list-style-type: none"> • Object contact • Equipment failure • Wire-to-wire contact • Contamination • Normal operation • Vandalism/theft • Lightning • Unknown • Other – See comment
SuspectedInitiatingCauseComment	Suspected ignition initiating event that is not listed in the options above.

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ObjectContact	<p>Description of object involved in contact if “Object contact” is the value of the “SuspectedInitiatingCause” field. If “Object contact” is not the value of the “SuspectedInitiatingCause” field, enter “N/A.” Possible values:</p> <ul style="list-style-type: none"> • Vegetation • Animal • Balloon • Vehicle contact – car pole • Vehicle contact – aircraft • 3rd party facility • Unknown • N/A • Other – See comment
ObjectContactComment	<p>Description of object contact not listed in the options above; or, any additional information about object contact</p>
EquipmentFailure	<p>Description of equipment involved in the ignition if “Equipment failure” is the value of the “SuspectedInitiatingEvent” field. If “Equipment failure” is not the value of the “SuspectedInitiatingEvent” field, enter “N/A.” Possible values:</p> <ul style="list-style-type: none"> • Anchor/guy • Capacitor bank • Conductor • Connector device • Crossarm • Fuse • Insulator and bushing • Lightning arrester • Pole • Recloser • Relay • Sectionalizer • Splice • Switch • Tap • Tie wire • Transformer • Voltage regulator/booster • Unknown • Other - See comment • N/A

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AssociatedNominalVoltagekV	Nominal voltage (in kilovolts) associated with asset. Do not use more than two decimal places. OK to use ranges (e.g. "0-60", "<500"). Leave blank if unknown.
AssociatedOperatingVoltagekV	Operating voltage (in kilovolts) associated with asset. Do not use more than two decimal places. OK to use ranges (e.g. "0-60", "<500"). Leave blank if unknown.
SubstationName	Name of the substation supplying the involved circuit.
OtherCompanies	Companies (other than the electrical corporation submitting data) that had assets affected by the ignition event. These may include telephone, internet, and other service providers with equipment on affected infrastructure, if any. Enter "NA" if no other companies were affected.
EquipmentType	The type of equipment involved in the ignition event. Possible values: <ul style="list-style-type: none"> • Overhead • Pad-mounted • Subsurface
Determination	The entity relied upon to make the determination that was used to fill in the value of the "SuspectedInitiatingCause" field above. Possible values: <ul style="list-style-type: none"> • Utility personnel • Fire Agency • Other – See Comment
DeterminationComment	Determination entity not listed in the options above.
FacilityContacted	The first facility that was contacted by an outside object. Only to be used if "Object contact" is selected as the value of the "SuspectedInitiatingCause" field. Possible values: <ul style="list-style-type: none"> • Bushing mounted cutout • Capacitor bank • Communications line • Conductor - Primary • Conductor - Secondary • Conductor - Transmission • Crossarm • Fuse • Guy/span wire • Insulator • Jumper • Support structure (pole or tower) • Pothead • Recloser • Riser

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	<ul style="list-style-type: none"> • Service connector • Service drop • Splice/clamp/connector • Switch • Tie wire • Transformer • Voltage regulator • Other - See comment
FacilityContactedComment	Any contacted facility that does not fall in the list above. If multiple facilities from the list above were contacted, list them here.
ContributingFactor	Factors suspected as contributing to the ignition. Possible values: <ul style="list-style-type: none"> • Weather • External Force • Human Error • Unknown • Other – See comment
ContributingFactorComment	Contributing factor description not listed in the options above.
RFWStatus	Was there a red flag warning (RFW) issued by the National Weather Service (NWS) in effect at the ignition location at the time of ignition? Possible values: <ul style="list-style-type: none"> • Yes • No
RFWStatusDateTime	The date and time when the NWS issued the RFW in effect at the ignition location at the time of the ignition. Leave blank if there was no RFW in effect at the time of ignition at the ignition location. Also leave blank if unknown.
FWWStatus	Was there a fire weather watch (FWW) issued by the National Weather Service (NWS) in effect at the ignition location at the time of ignition? Possible values: <ul style="list-style-type: none"> • Yes • No
FWWStatusDateTime	The date and time when the NWS issued the FWW in effect at the ignition location at the time of the ignition event. Leave blank if there was no FWW in effect at the time of ignition at the ignition location. Also leave blank if unknown.

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HWWSatus	Was there a high wind warning (HWW) issued by the NWS in effect at the ignition location at the time of ignition? Possible values: <ul style="list-style-type: none"> • Yes • No
HWWSatusDateTime	The date and time when the NWS issued the HWW in effect at the ignition location at the time of the ignition. Leave blank if there was no HWW in effect at the time of ignition at the ignition location. Also leave blank if unknown.
OriginLandUse	Status of land at origin of ignition. Possible values: <ul style="list-style-type: none"> • Rural • Urban Urban is defined as more than 1,000 people per square mile using U.S. Census data at the tract level or smaller units. All other areas will be considered rural.
MaterialAtOrigin	Fuel material for the ignition origin, Possible values: <ul style="list-style-type: none"> • Vegetation • Structure • Other – See Comment
MaterialAtOriginComment	Origin material not listed in the options above.
FuelBedDescription	Type of fuel bed existing at the damage location. Possible values: <ul style="list-style-type: none"> • Fire-resistive fuel bed - Fuel bed not conducive to propagating fire where damage occurred (e.g. asphalt, concrete, gravel, etc.). • Grass fuel model - Fuel bed comprised of annual grasses where damaged occurred. • Brush fuel model - Fuel bed comprised of mainly brush or shrubs where damage occurred (e.g. chamise, manzanita, chaparral, scotch broom, etc.). • Timber fuel model - Fuel bed comprised of a timber where damaged occurred (e.g. forests, timber litter, logging slash, etc.). • Other – See Comment
FuelBedDescriptionComment	Fuel bed description not listed in the options above.
FireSize	Size, in acres unless otherwise indicated, of fire resulting from the ignition. Possible values: <ul style="list-style-type: none"> • Structure-only • <3 meters of linear travel • <0.25 • 0.26-9.99 • 10-99

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	<ul style="list-style-type: none"> • 100-299 • 300-999 • 1,000-4,999 • >5,000 • Unknown
SuppressedBy	Entity responsible for suppressing ignition. Possible values: <ul style="list-style-type: none"> • Customer • Fire Agency • Self-extinguished • Utility • Unknown
SuppressingAgency	If the “SuppressedBy” field has the value of “Fire Agency”, enter the fire department name.
FireInvestigation	Whether the fire authority having jurisdiction investigated the ignition and the status of the investigation. Possible values: <ul style="list-style-type: none"> • Yes – Complete • Yes – Pending • No
FireAHJ	If there was an investigation of the ignition by a fire authority having jurisdiction, enter the fire agency name.
OutageStatus	Was there an outage associated with the event? Possible values: <ul style="list-style-type: none"> • Yes • No
IgnitionNotes	Additional information regarding the ignition event. All additional data fields collected by the utility that are not included in this ignition schema shall be included in this field. This field is not required; if the utility does not collect any additional information, it may be left blank.
HFTDClass	The CPUC high-fire threat district (HFTD) area the ignition event 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: <ul style="list-style-type: none"> • Tier 3 • Tier 2 • Non-HFTD HFTD data can be downloaded from: https://ia.cpuc.ca.gov/firemap
County	County where the ignition event occurred.
District	Operating district where the ignition occurred.

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Latitude	Latitude of event point (in decimal degrees). Field-calculate in GIS software.
Longitude	Longitude of event point (in decimal degrees). Field-calculate in GIS software.