


PACIFIC GAS AND ELECTRIC COMPANY
ELECTRIC INCIDENT REPORT FORM
TO: CALIFORNIA PUBLIC UTILITIES COMMISSION

PG&E Reference Number: EI200814A	
CPUC Website	August 15, 2020, at 1020 hours
CPUC Recipient	Date & Time CPUC Notified
1-800-235-1076	PG&E
Telephone Number	Reported by
	415-973-2782
	Telephone Number

Report Type: 20-Day Report

- INJURY/FATALITY:** An incident which results in a fatality or personal injury to an employee or 3rd party rising to the level of in-patient hospitalization and is attributable or allegedly attributable to utility owned electric facilities. Incidents involving motor vehicles are not reportable unless they result in death or injury attributable or allegedly attributable to electrical contact with the utility owned electric facilities.
- MEDIA:** An incident that is attributable or allegedly attributable to Pacific Gas and Electric owned electric facilities and is subject to significant public attention and/or media coverage.
- PROPERTY DAMAGE:** A single electric incident where property damage of the utility or a single 3rd party is estimated to exceed \$50,000 and is attributable or allegedly attributable to utility owned electric facilities.
- OPERATOR JUDGEMENT:** Any incident that is significant in the judgement of the operator, even though it may not meet the incident reporting criteria.
- AIRCRAFT STRIKE:** Any incident involving aircraft striking PGE facilities, even though it may not meet the incident reporting criteria.

20-Day Report Sent to CPUC – Date: September 11, 2020

Initial Report Sent to CPUC – Date: August 15, 2020


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20-Day Report

Date and Time of Incident:		August 14, 2020 at 1645 hours	
Date and Time Incident Determined Reportable:		August 15, 2020 at 0905 hours	
Location of Incident:			
City:	Martinez	Division:	Diablo
County:	Contra Costa	Voltage:	21kV
Circuit/Facility:	Tidewater 2107	Service Interrupted (Date and Time):	August 14, 2020 at 1645 hours
Service Restored (Date and Time):	August 15, 2020 at 0340 hours	Total Customers Affected:	1,705

Description of Incident:

On August 14, 2020 at 1645 hours, PG&E received a series of SmartMeter notifications indicating an outage on the Tidewater 2107 21kV Primary Underground Distribution Circuit. At the same time, PG&E's Distribution Control Center ("DCC") received SCADA alarms indicating an outage on the circuit initially affecting 1,705 customers which resulted in automated switching, isolating the suspected fault location and restoring 985 customers. At 1645 hours, Contra Costa County Fire Protection ("CCCFP") received notification of a fire incident at [REDACTED] in Martinez ("Incident Location"). CCCFP arrived at the Incident Location at 1650 hours and upon arrival, called PG&E's Emergency Phone Line to report a smoking electrical box. PG&E subsequently dispatched a PG&E Troublemán at 1730 hours. Prior to the Troublemán's arrival at 1750 hours, a PG&E Compliance Inspector arrived at the Incident Location to support the outage. The Compliance Inspector observed evidence of charring to a PG&E pad-mount transformer, T4276 ("Incident Transformer") and that a wooden retaining wall and an adjacent cable box had melted. The transformer was located above ground and served an underground portion of the circuit. The transformer was originally installed on January 01, 1971 per PG&E internal records. After a further assessment, it was determined that the fault originated at T4276. There were no reports of injuries/fatalities or any structure related damages.

By 1905 hours, a PG&E Repair Crew arrived at the Incident Location. The Troublemán and repair crew performed a series of switching operations in order to back feed power to some of the affected customers until repairs were made. By 1915 hours, an additional 695 customers were restored. The Repair Crew replaced the Incident Transformer and burnt live-front cables and on August 15, 2020 at 0325 hours, all remaining customers were restored.

CPUC General Order ("GO") Overhead and Underground 165 Patrols were conducted in 2018 and 2019. GO 165 Overhead and Underground Inspections were conducted in 2014 and 2017. The Underground Patrols and Inspections involved the use of infrared technology to determine if excessive temperature differentials were present. No abnormal conditions were identified related to electric equipment at the Incident Location that warranted repair.

At the time of the incident, there was a significant heat wave throughout the service territory and weather data obtained from a weather station at the Buchanan Field Airport in Concord, 1.4 miles east-northeast of the Incident Location indicated the temperature was 106 degrees Fahrenheit.

PG&E reviewed SmartMeter data from meters downstream of the Incident Transformer. Combined loading from 21 downstream meters on August 14, 2020 at 1600 hours was 54kVA. The manufacturer transformer peak rating is 75kVA with a calculated summer peak load of 135kVA pursuant to PG&E's Electric Design Manual, indicating that the Incident Transformer was not overloaded prior to the incident.

PG&E reported this incident to the CPUC on August 15, 2020 under the Media criterion as the responding compliance inspector observed fire personnel being interviewed at the Incident Location by an ABC 7 reporter with a cameraman present. PG&E has been

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unable to locate any news stories pertaining to this incident. PG&E retained the damaged transformer into evidence.

PG&E is continuing its investigation into this incident. This information is preliminary, and all the times, customer numbers and measurements mentioned in this report are approximate. PG&E understands that Contra Costa County Fire Protection is investigating this incident and PG&E is fully cooperating with this agency.

Attachments:

- Attachment 01_2019 GO165 Patrol Records C1001_CONF.pdf
- Attachment 02_2018 GO165 Patrol Records C1001_CONF.pdf
- Attachment 03_2017 GO165 Inspection Records C1001_CONF.pdf
- Attachment 04_2014 GO165 Inspection Records C1001_CONF.pdf
- Attachment 05_EC Tag_119619445_CONF.pdf
- Attachment 06_SmartMeter_IntervalData>Loading_Downstream Xfrm_CONF.xlsx
- Attachment 07_ILIS Report_20-0083743_CONF.pdf
- Attachment 08_Weather Data_KCCR 8_14_20.xlsx
- Attachment 09_Photos.pdf
- Attachment 10_Fire Report 20083712.pdf
- Attachment 11_Incident Map_Diagram_CONF.pdf