



PACIFIC GAS AND ELECTRIC COMPANY

ELECTRIC INCIDENT REPORT FORM

TO: CALIFORNIA PUBLIC UTILITIES COMMISSION

PG&E Reference Number: EI210710A	
CPUC Website	July 11, 2021 at 0130 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.

20-Day Report Sent to CPUC – Date: August 6, 2021
Initial Report Sent to CPUC – Date: July 11, 2021


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

PG&E Reference Number: EI210710A				20-Day Report	
Date and Time of Incident:		July 10, 2021 at 2205 hours			
Date and Time Incident Determined Reportable:		July 11, 2021 at 0045 hours			
Location of Incident:		[REDACTED]			
City:	Vacaville	Division:	Sacramento	County:	Solano
Circuit/Facility:	Vacaville 1111	Voltage:	12kV		
Service Interrupted (Date and Time):	July 10, 2021 at 2110 hours	Total Customers Affected:		975	
Service Restored (Date and Time):	July 11, 2021 at 2045 hours				

Description of Incident:

On July 10, 2021 at 2110 hours, PG&E became aware of an outage on the Vacaville 1111 12kV Underground Distribution Circuit when several SmartMeters indicated a loss of power. PG&E dispatched a troubleman at 2110 hours to [REDACTED] ("Incident Location") to investigate the trouble. Upon arrival at 2140 hours, the troubleman observed that the outage was due to a failed underground transformer, causing an outage to 15 customers. The troubleman notified PG&E maintenance and construction of the necessary transformer replacement and proceeded to reset the transformer as an attempt to temporarily restore the affected customers before the transformer replacement. The attempt was unsuccessful and the 15 customers remained de-energized.

Shortly after resetting the transformer, the troubleman began to hear an unusual clicking noise coming from the underground transformer vault and began to maintain a safe distance from the vault. At 2205 hours, the underground transformer failed catastrophically and exploded, igniting a fire 20 feet around the vault. After the troubleman confirmed that he was uninjured, he proceeded to check a bystander for injuries, and confirmed the bystander was uninjured. The troubleman notified the Distribution Operator and had the bystander call for emergency services. The troubleman observed one vehicle was fully engulfed in the fire. The catastrophic failure caused an outage to 960 customers.

The Vacaville Fire Department received an alarm at 2210 hours and arrived at the Incident Location at 2215 hours. The fire was reportedly controlled at 2215 hours.

PG&E dispatched two additional troubleman to assist with restoration activities. The troublemen talked to the residents in the neighborhood to inform them of the incident and extended outage. PG&E isolated the outage at 2315 hours on July 10, 2021, restoring 945 customers. At 2345 hours, PG&E restored an additional 15 customers. At 2045 hours on July 11, 2021, PG&E restored the 15 customers who initially lost power by using temporary generators.

PG&E retained the failed transformer as evidence, and failure analysis is in progress. PG&E is also performing a "Serious Injury and Fatality Potential" evaluation, which may identify potential corrective actions.

On July 11, 2021, a PG&E contract crew cleaned up the Incident Location. On July 12, 2021, a PG&E contract crew began the work to replace the failed transformer. In addition to the transformer, the PG&E contract crew replaced the underground secondary box, underground primary wire, underground secondary wire, three straight splices, and 12 primary elbows. They also installed primary splice boxes and a three-way junction bar. The PG&E contract crew supervisor updated the residents of the neighborhood periodically on the construction status. On July 15, 2021 by 1730 hours, the crew finished the work and the circuit was returned to normal.

Weather data was taken from an observation site 0.6 miles from the Incident Location. It was a hot and dry day at the Incident Location on July 10th, 2021. A high temperature of 112°F was recorded at 1630 hours and a low temperature of 67°F was recorded at 0540 hours. The relative humidity peaked at 56% at 0540 hours and reached the bottom at 8% at 1650 hours. The strongest wind gust was 17 mph out of the south-southwest at 1550 hours. At 2110 hours, the temperature was 101°F and the relative humidity was 11%. The winds were



PACIFIC GAS AND ELECTRIC COMPANY

ELECTRIC INCIDENT REPORT FORM

out of the northeast at 2 mph with a gust at 5 mph.

PG&E reported this incident to the CPUC on July 11, 2021 under the Property Damage criterion due to the damage to multiple vehicles estimated to exceed \$50,000.

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 is fully cooperating and communicating with external agencies as required.

Attachments:

- Attachment 01_2020 GO165 patrol records_CONF.pdf
- Attachment 02_2021 GO165 patrol records_CONF.pdf
- Attachment 03_2016 GO165 inspection records_CONF.pdf
- Attachment 04_2019 GO165 inspection records_CONF.pdf
- Attachment 05_EC tag_121708615_CONF.pdf
- Attachment 06_EC tag_111668614_CONF.pdf
- Attachment 07_EC tag_117173517_CONF.pdf
- Attachment 08_ILIS_21-0087616_CONF.pdf
- Attachment 09_ILIS_21-0087644_CONF.pdf
- Attachment 10_Photos_CONF.pdf
- Attachment 11_Fire Report_CONF.pdf
- Attachment 12_Incident Diagram_CONF.pdf