



Long Beach Area Electric Outages



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Overview

1. Reliability Reporting
2. 2015 Long Beach outage description
3. Staff investigation





Reliability Reporting

- Annual Reporting by Electric Utility Using National Reporting Standards
 - IEEE 1366-2012 , first adopted by electric industry in mid-2000s
 - CPUC posts Annual Reliability Report (www.cpuc.ca.gov)
 - <http://www.cpuc.ca.gov/General.aspx?id=4529>
- Each Utility Must Report to the Commission on the following:
 - Duration of Interruption for an average customer (SAIDI)
 - Frequency of Interruption for an average customer (SAIFI)
 - Average Duration per Interruption (CAIDI)
 - Frequency of Momentary Outages (MAIFI)
- In May 2016 the Commission issued a report reviewing the reliability of all three large electric utilities.
 - [Electric Reliability Report](#)
 - The report found that over the past 10 years reliability has improved systemwide.
 - Many of SCE districts showed improvement as well, but with some outlier districts, particularly in Los Angeles County, where reliability metrics indicate that reliable electric service has declined over the past ten years.





2015 Long Beach Outages

1. On July 15, 2015 at 3pm, SCE experienced a failure of its underground secondary network.
 - ~29,000 customers affected
 - Duration was up to 5 days (most residents were restored within the hour).
2. On July 30 at 4pm, SCE experienced a second failure on its Long Beach network.
 - 17,500 customers affected
 - Duration was up to 5 days (most were restored within 3 hours).

Impact: Electrical problems in SCE's system caused fires in underground structures, and explosions that lifted manhole covers into the air.





Staff Investigation and Report

- CPUC's Safety and Enforcement Division (SED) investigated the outages by conducting:
 - field visits, data requests, review of SCE records, and interviews
- Staff report focused on technical and emergency response.
 - Cause of the outages
 - SCE's communication with customers and public officials during the outage.
 - SCE's restoration efforts.

[Report available via 9/21/16
Scoping Ruling](#)

- July 2016, CPUC opened proceeding [I.16-07-007](#).





Thank you!
For Additional Information:
www.cpuc.ca.gov

