Electric Safety Enforcement Activities and Issues

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Safety and Enforcement Division

September 17, 2015
Core Work of Electric Safety and Reliability Branch

• Records audits and facilities/plant inspections

• Investigations of incidents

• Enforcement for violations of GOs and other requirements
  – Notices of Violation and Corrective Action Plans
  – Citations
  – Adjudicatory CPUC Investigation proceedings

• Participation in other CPUC proceedings

Photos: Belmont Heights Neighborhood Group and Hofmann, Elkhorn Slough Foundation
Examples of Relevant PU Code Sections

• Sections 315, 362, 451, 701, and other statutes regarding safety of public utilities

• Sections 8001 et seq.: Electrical lines and related facilities, including facilities of “any county, city, city and county, or other political subdivision thereof…”

• Section 761.3: Facilities for the generation of electricity

• Section 767: Joint use of utility poles, ducts, conduits, and right of way

• Section 768.5: Plant and equipment owned by cable companies
Safety-Related General Orders

GO 95: Overhead electric & communications facilities
GO 128: Underground electric & communications systems
GO 165: Inspection of electric transmission & distribution
GO 166: Emergency preparedness for electric utilities
GO 167: Electric generating facilities
GO 174: Electric substations
GO 176: High speed rail electrification
Electric and Communications Facilities Subject to CPUC Safety Regulation

Transmission and distribution lines:
- over 200,000 miles of above-ground lines
- 4 million poles
- 77,000 miles of underground lines

Electric substations: over 2,200
# Electric Generating Asset Owners Subject to General Order 167

<table>
<thead>
<tr>
<th>Plant type*</th>
<th>1 - 49 MW</th>
<th>50 MW or larger</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of Plants</td>
<td>Total Capacity</td>
</tr>
<tr>
<td>Thermal -- Fossil Fuel</td>
<td>35</td>
<td>1,293</td>
</tr>
<tr>
<td>Hydroelectric</td>
<td>65</td>
<td>616</td>
</tr>
<tr>
<td>Geothermal</td>
<td>1</td>
<td>35</td>
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<tr>
<td>Wind</td>
<td>8</td>
<td>162</td>
</tr>
<tr>
<td>Solar--Thermal and PV</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Totals</td>
<td>109</td>
<td>2,106</td>
</tr>
</tbody>
</table>

*Limited requirements apply to other generators, including nuclear.
Distribution, Transmission, and Substation Records Audits and Facility Inspections

29 audits/inspections held or planned for 2015

Entities this year include:

- PG&E    Trinity Public Utilities District
- SCE     Imperial Irrigation District
- SDG&E   Donner Public Utility District
- PacifiCorp Palo Alto Utilities
- LADWP   Silicon Valley Power
- Cities of Gridley, Biggs, Lompoc, Colton, Pasadena, and Anaheim
Communication Infrastructure Provider (CIP)
Records Audits and Facilities Inspections

10 CIP audits/inspections held or planned for 2015

Entities this year include:
- Comcast
- Charter
- Verizon
- AT&T
- San Simeon Cable
- Crown Castle
- Cox
Generating Asset Owner
General Order 167 Audits/Inspections

4 audits/inspections held or planned for 2015:

Gateway Generating Station (PG&E)
Redondo Beach Generating Station (AES Southland)
Inland Empire Energy Center (General Electric)
Los Esteros Critical Energy Center (Calpine)
Generating Asset Owner Outage Inspections

2014 inspections:
- Planned outages 144
- Forced outages 197
- Number of plants 56
Investigation of Electric Safety Incidents

• 182 electric facility incidents reported in 2014
• 2 generation incidents reported in 2014

Recent incidents in the news:

Photo: NBC Bay Area News, Twitter post

Photo: Daily Breeze, Steve McCrank

Photo: SF Chronicle, Connor Radnovich
Enforcement Activities

- Notices of Violation, Corrective Action Plans, follow-up
- Citations
  - Electric citation authority as of 1-1-2015
  - Two citations issued to date
- Commission Investigations
  - Recent Kern OII and settlement on PG&E contractor safety and cause analysis procedures
ESRB Participation in CPUC Proceedings
(2014-2015)

• Physical security rulemaking
• Citation proceeding
• Applicability of right-of-way rules to CMRS
• Fire safety proceeding
• Storage proceeding
• GO 95 rule change proceeding
• Electrification system for high speed rail