



Electric Safety Enforcement Activities and Issues

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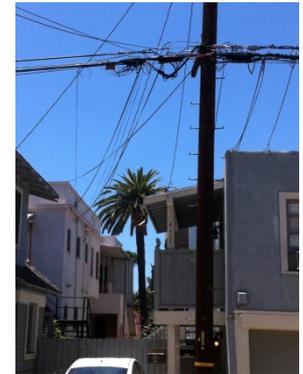
September 17, 2015





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

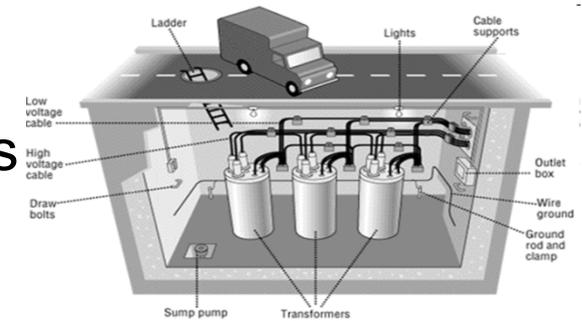




Electric and Communications Facilities Subject to CPUC Safety Regulation

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

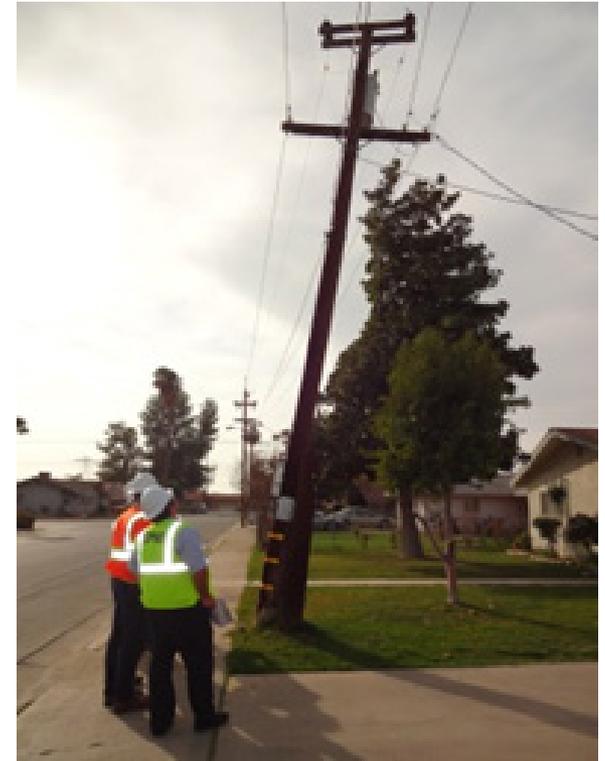
Plant type*	1 - 49 MW		50 MW or larger	
	Number of Plants	Total Capacity	Number of Plants	Total Capacity
Thermal -- Fossil Fuel	35	1,293	52	31,090
Hydroelectric	65	616	32	4,496
Geothermal	1	35	10	715
Wind	8	162	17	2,229
Solar--Thermal and PV	0	0	12	3,229
Totals	109	2,106	123	41,759

*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

11 CIP audits/inspections held or planned for 2015

Entities this year include:

Comcast

Charter

Verizon

AT&T

San Simeon Cable

New Day Broadband

Cox

Crown Castle





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

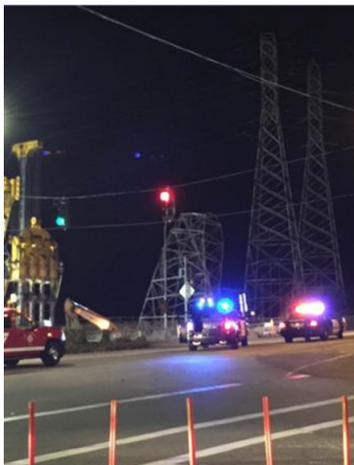




Investigation of Electric Safety Incidents

- 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



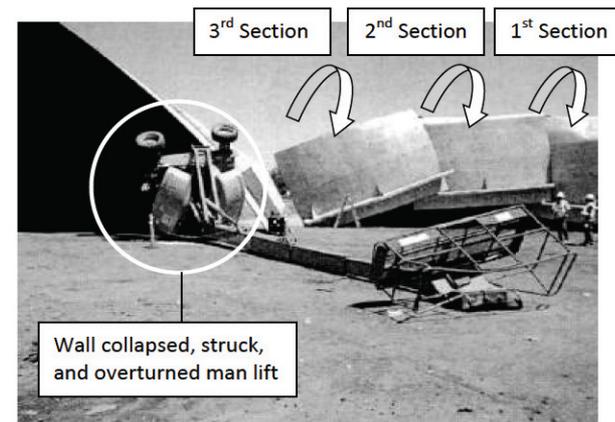
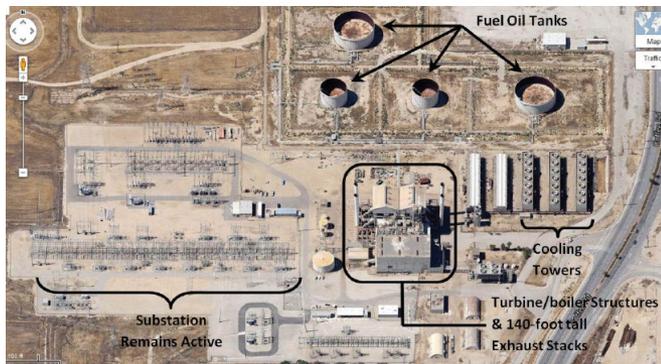
Photo: SF Chronicle, Connor Radnovich





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 Oil 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

