

Electric Infrastructure Safety

**Senate Energy, Utilities and Communications
Subcommittee on Gas and Electric Infrastructure Safety**

Informational Hearing

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SCE System Is Large In Scope

- 50,000 square mile service territory
- About 1.5 million electric poles
- Almost 725,000 transformers
- More than 90,000 miles of distribution lines



Downed Power Lines Are A Priority

- Significant causes of downed power lines
 - Mylar balloons
 - Car-hit-pole (auto and motorcycle accidents)
 - Animal contact
 - Vegetation
 - Equipment failures
- Corporate Goal: No serious injuries to the public caused by system failure
 - Overseen by Officer-led Public Safety Sponsor Team
 - Achieved goal last year and on track this year

Wire Down Program - Prevention, Detection, and Education

- Prevention
 - Annual patrols and overhead detailed inspections
 - Tree trimming and brush clearing
 - Upgrades to poles and conductors associated with reliability improvement programs
- Detection
 - Circuit breakers and microprocessor-based relays to isolate circuits
 - Automatic reclosers and branch line fuses identify electrical faults
 - Evaluating high impedance fault detection technology
- Education
 - Multimedia public awareness campaign with high customer awareness
 - Focused education for at risk workers (first responders, tree trimmers, construction workers, farm workers)

Public Awareness – 2012 Print Advertisement



If you see a downed power line:

- Assume that the wire and everything touching it is energized
- Do not approach or touch the wire
- Do not touch anyone or anything in contact with the wire
- Call 911 immediately and inform the operator it is an electrical emergency

At Southern California Edison, an Edison International company, we want to help you and your family stay safe around electricity.

For more safety tips, visit www.sce.com/staysafe



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