

# Overview of SCE's Response Related to Seismic Activity

## Workshop 1

**Jennifer Pearce**

Emergency Preparedness OIR (R.15-06-009)

June 26, 2018

# Application of Best Practices to Key Assets

- Assessed scenarios are bound by a 7.8 San Andreas event and tailored to potential seismic activity and conditions at each site (e.g., distance from major faults, soil/ground composition)
  - Assessments are iterative and may require additional mitigation beyond current GRC plan
- Assessments initially focused on Life Safety, with subsequent assessments addressing Reliability and Compliance (i.e. FERC Dam Safety guidelines)
- Use of leading practices to drive assessment process (e.g., IEEE standards, FEMA assessments for buildings)
- Data from assessments are used to drive design of exercises and other preparedness activities

# Focus Areas

**Building & Facilities**



**Generation Infrastructure**



**Electric Infrastructure**



**IT/Telcomm**



# Assessment Approach

## Assessment Standards

### **Life Safety:**

Safe exit from building and no serious injury to public or employees

### **Reliability:**

Operational immediately or quickly after an event

### **FERC Dam**

**Safety:** FERC guidelines on safety of high-hazard dams

Least stringent

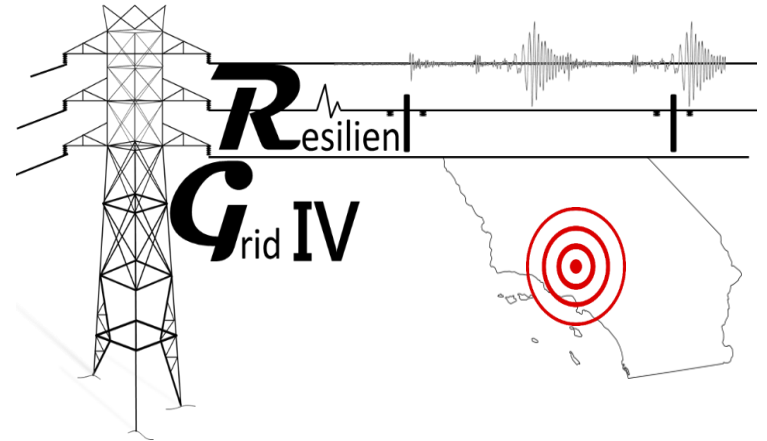


Most stringent

FOCUS AREA	ASSESSMENTS
Buildings & Facilities	>300 administrative and operations buildings
Electric Infrastructure	substations, towers, and lines for potential for large outages; poles for public safety
Generation Infrastructure	periodic FERC reviews of 22 high-hazard dams for safety
IT/Telecomms	IT data centers and sites; telecommunications sites (including antenna towers)

# Resilient Grid Exercises

A Full-Scale Exercise (FSE) that involved three separate exercises looking at individual timelines following a catastrophic earthquake.

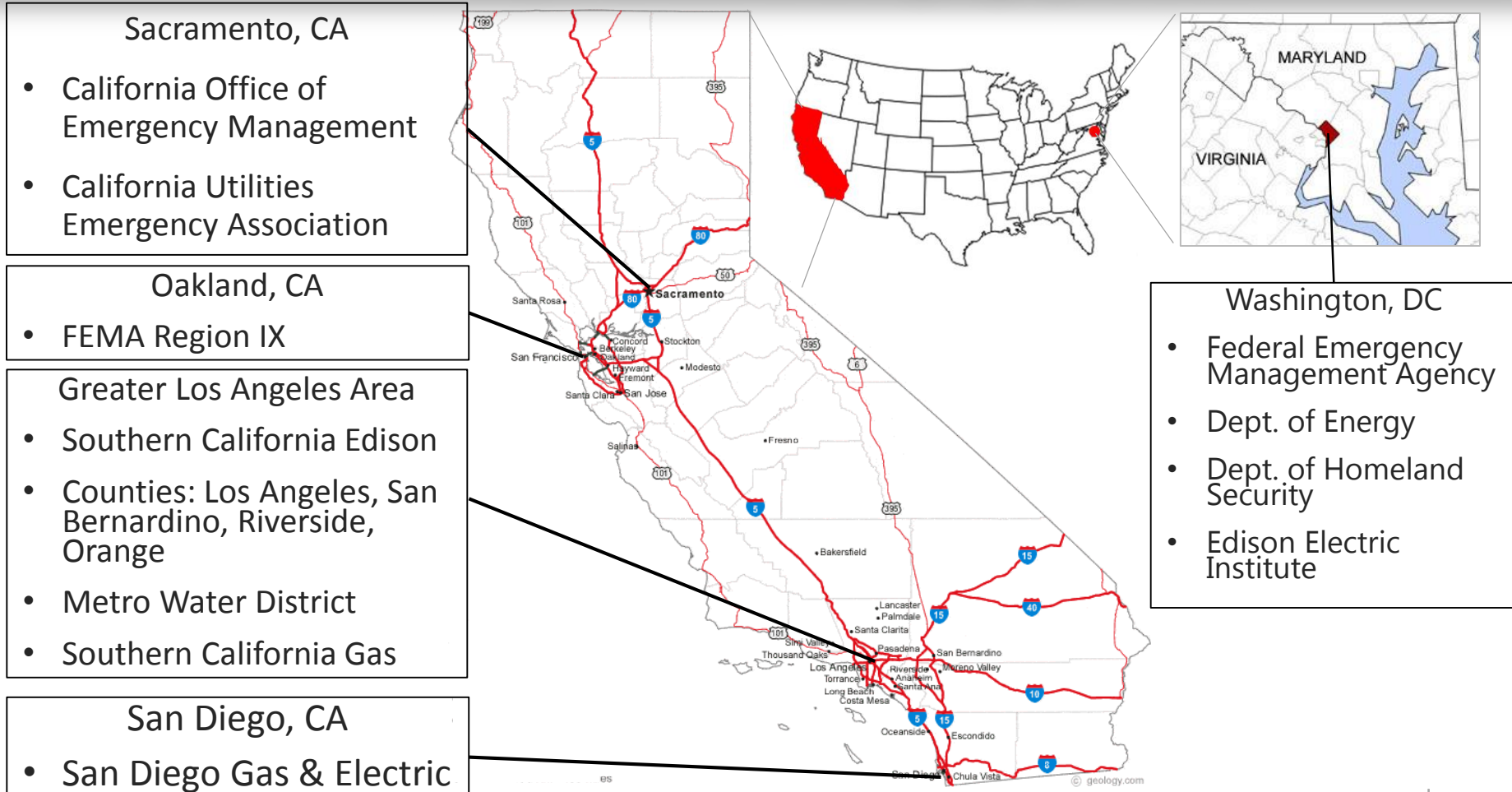


## Focus areas evaluated:

- Interdependencies with other critical infrastructure
- Maturation of Incident Command System
- Integration with Federal, State and Local Governments
- Development of restoration strategy and grid stabilization

# Resilient Grid Stakeholder Participation

The Resilient Grid FSE involved external participation from organizations across multiple functional and geographic areas



# QUESTIONS?

Jennifer Pearce  
Senior Manager, Business Resiliency  
[Jennifer.Pearce@sce.com](mailto:Jennifer.Pearce@sce.com)