

# Perception is Critical?



By Definition: The Most Important



Emotional Freight as well as Intellect



Tied to Circumstances and Point of View



What I Need is Critical!



Communicate! - Factual, Straight Forward, & Common Framework

# Diverse Languages

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## Organizations Do this in Different Ways:

- Strategy / Annex (Plans)
- Functional – Checklists and Flow Charts
- Business Impact Analysis
  - Continuity of Operations / Government
- Risk Management / Exposure to Financial Loss
- A Question: Does the Strategy of your organization dictate the form or lens through which you determine what is important?





# Critical Infrastructure Defined?

**Critical infrastructure means systems and assets so vital to the Nation (state) that the incapacity or destruction of those systems or assets would have a debilitating impact on security, economic security, public health and safety, or any combination of those matters**

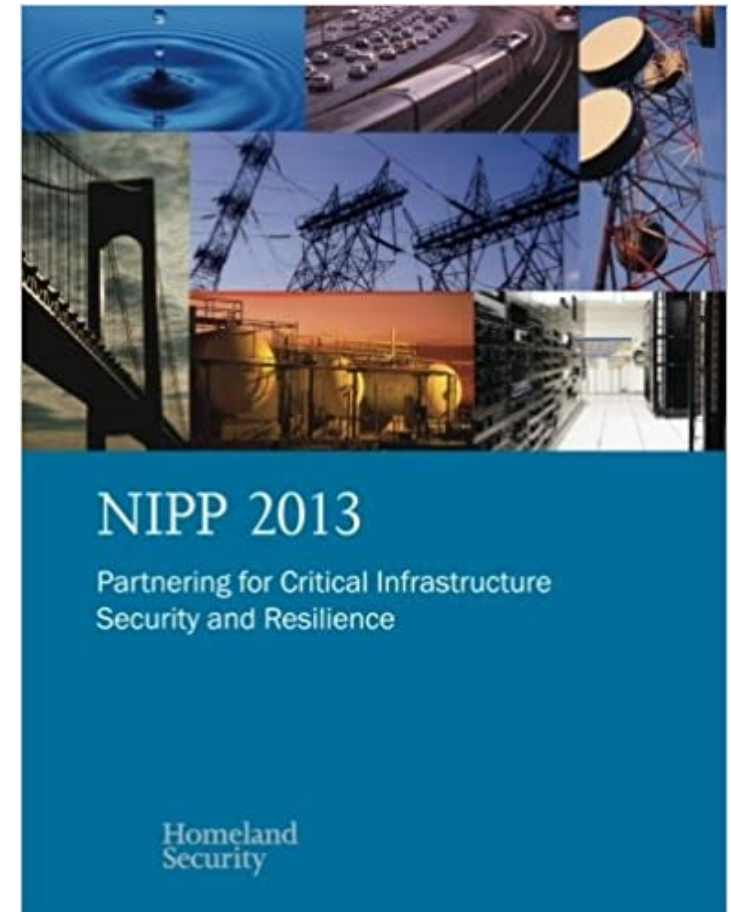
**- Patriot Act (CA State Law)**

# Federal Views of Infrastructure

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## Evolving

- 1998 – Infrastructure Sectors and Special Functions
- 2003 – Infrastructure Sectors and Special Functions
- 2013 – Critical Infrastructure Sectors, Specialized Functions, and Support Functions
- Inclusion of Cyber/Physical across all
- Sector Plans (technically Integrated Plan in 2013)



# Federal Views of Infrastructure

- Type of Infrastructure
  - FEMA - Community Lifelines
- Impact analysis
  - CISA /National Risk Management Center
    - National Infrastructure Prioritization Program
    - National Critical Functions



**Safety and Security** - Law Enforcement/Security, Fire Service, Search and Rescue, Government Service, Community Safety



**Food, Water, Shelter** - Food, Water, Shelter, Agriculture



**Health and Medical** - Medical Care, Public Health, Patient Movement, Medical Supply Chain, Fatality Management



**Energy** - Power Grid, Fuel



**Communications** - Infrastructure, Responder Communications, Alerts Warnings and Messages, Finance, 911 and Dispatch

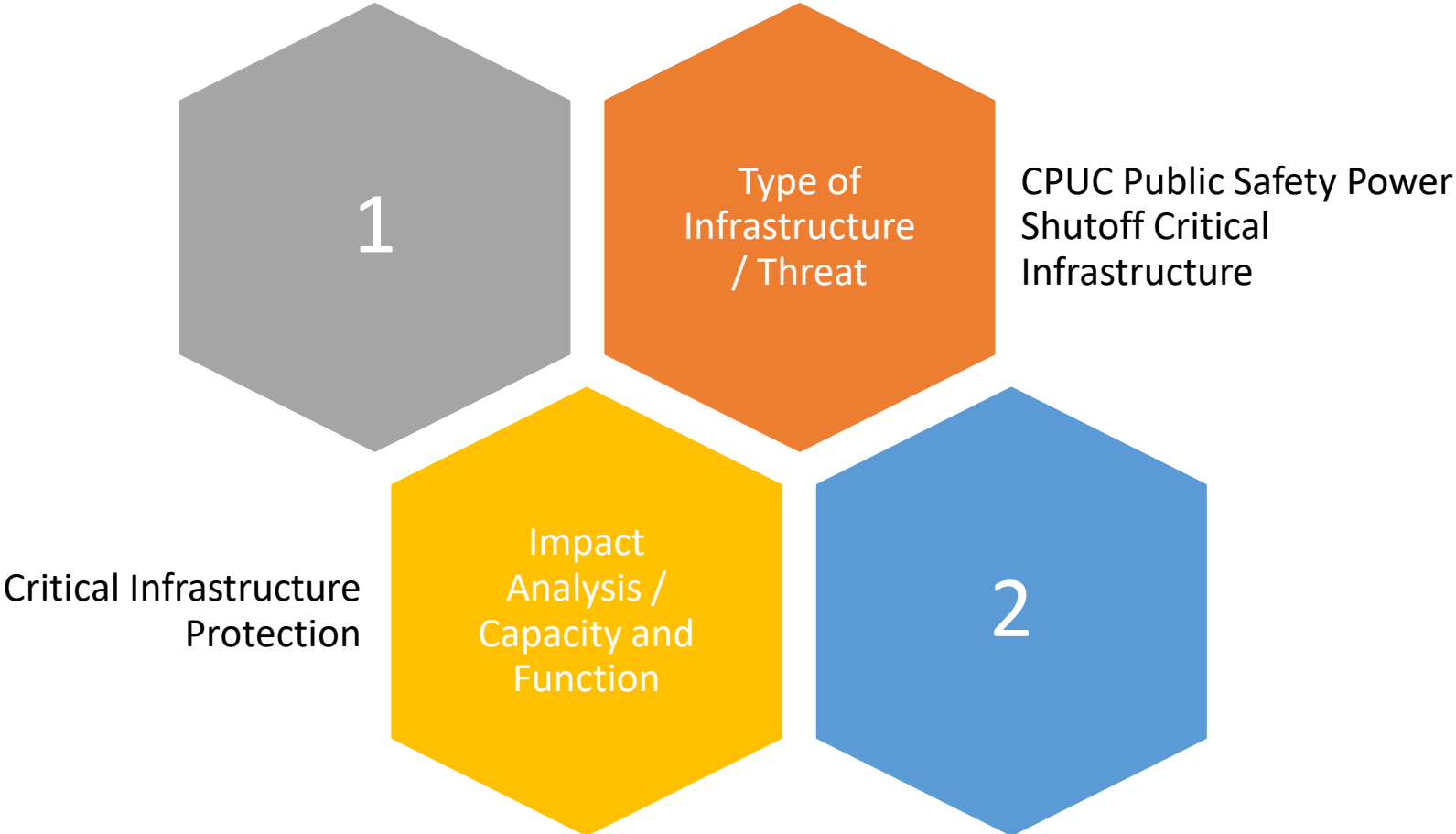


**Transportation** - Highway/Roadway/Motor Vehicle, Mass Transit, Railway, Aviation, Maritime



**Hazardous Material** - Facilities, HAZMAT, Pollutants, Contaminants

# California State Process: Two Examples

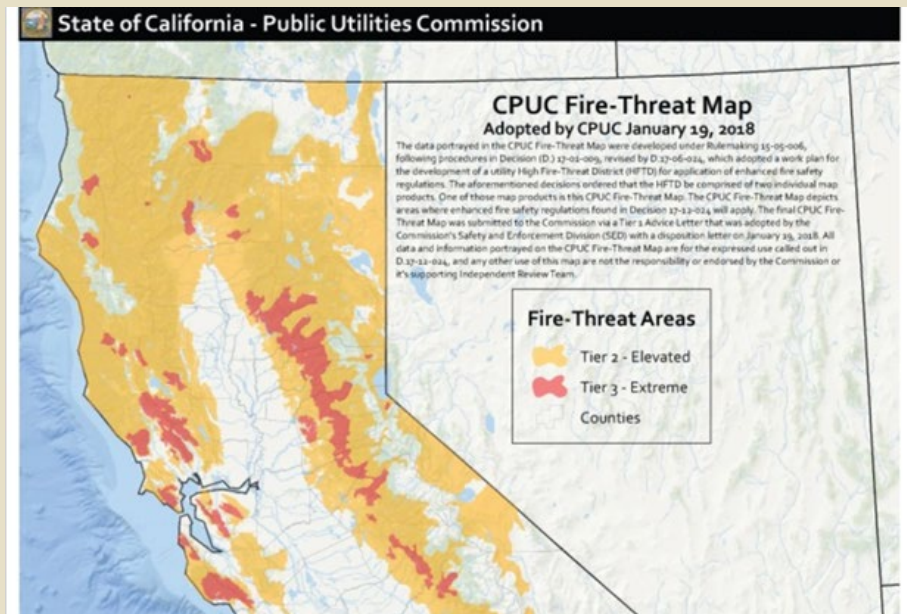


## Public Safety Power Shutoff

### Rulemaking 18-12-005

Elevated Fire Risk

Preventative Shutdown



## Phase One Critical Facilities/Infrastructure (Partial)

### Emergency Services Sector

Police Stations  
Fire Station  
Emergency Operations Centers

### Government Facilities Sector

Schools  
Jails and prisons

### Healthcare and Public Health Sector

Public Health Departments  
Medical facilities, including hospitals, skilled nursing facilities, nursing homes, blood banks, health care facilities, dialysis centers and hospice facilities

### Energy Sector

Public and private utility facilities vital to maintaining or restoring normal service, including, but not limited to, interconnected publicly-owned utilities and electric cooperatives

### Water and Wastewater Systems Sector

Facilities associated with the provision of drinking water or processing of wastewater including facilities used to pump, divert, transport, store, treat and deliver water or wastewater

### Communications Sector

Communication carrier infrastructure including selective routers, central offices, head ends, cellular switches, remote terminals and cellular sites

## Critical Infrastructure Protection

Started 2009 as Tier 3 List

Capacity-Based Screening

Prioritized for Data Collection  
And  
Risk Scoring

California Critical Infrastructure  
Prioritization 2.0

Name: Example Facility 14  
Address: 1234 Main Street, San Jose, CA 95128  
City: San Jose  
County: Santa Clara  
ZIP: 95128  
Latitude: 37.3318  
Longitude: -121.8898

Critical Function: Research and Development  
Sub-Section: Agricultural and Food Research  
Assessment Type: High General Blasting

Risk Score: 21

Priority: 2

## Draft Phase One Critical Infrastructure Criteria (Selections)

**2. Chemical and Hazardous Materials** (Reviewed and preliminarily implemented 2012)

- 2.1 Facilities with a current registered Risk Management Plan AND EITHER a total toxic chemical capacity of 500,000 lbs. or greater, OR an estimated population at risk of exposure within a 1-mile radius of

**7. Energy (Non-Nuclear)** (Reviewed and preliminarily implemented 2011)

- 7.1 Electricity
  - 7.1.1 Power generation plants having a total generating capacity across all units that exceeds 1,000 MWs
- 7.2 Oil
  - 7.2.1 Petroleum terminals with total storage capacity of 200,000 barrels or more.
  - 7.2.2 Operable petroleum refineries with refining capacity of 20,000 barrels per day or greater.



# Understand the languages!



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## Make the Connection!