



CALIFORNIA ISO

# **Presentation Regarding Alerts, Warnings, & Emergencies**

**Board of Governors Meeting  
June 15, 2005**

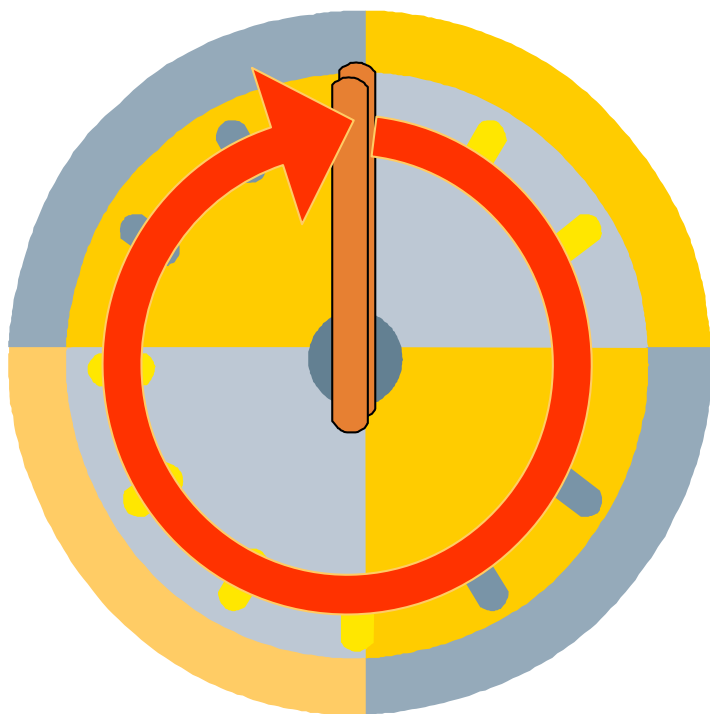
**Megan Thompson  
Emergency Response Coordinator**

# Alerts, Warnings & Emergencies

- Dubbed “**A-W-E**”
- Communicate adverse grid conditions
- Standardized messages
- Quickly delivered
- Targeted recipients



# Alert & Warning Notices



- Issued *one day or multiple hours* in advance
- Target audience is energy market participants
- Used to notify participants of deficiencies in the market



# Restricted Maintenance Operations

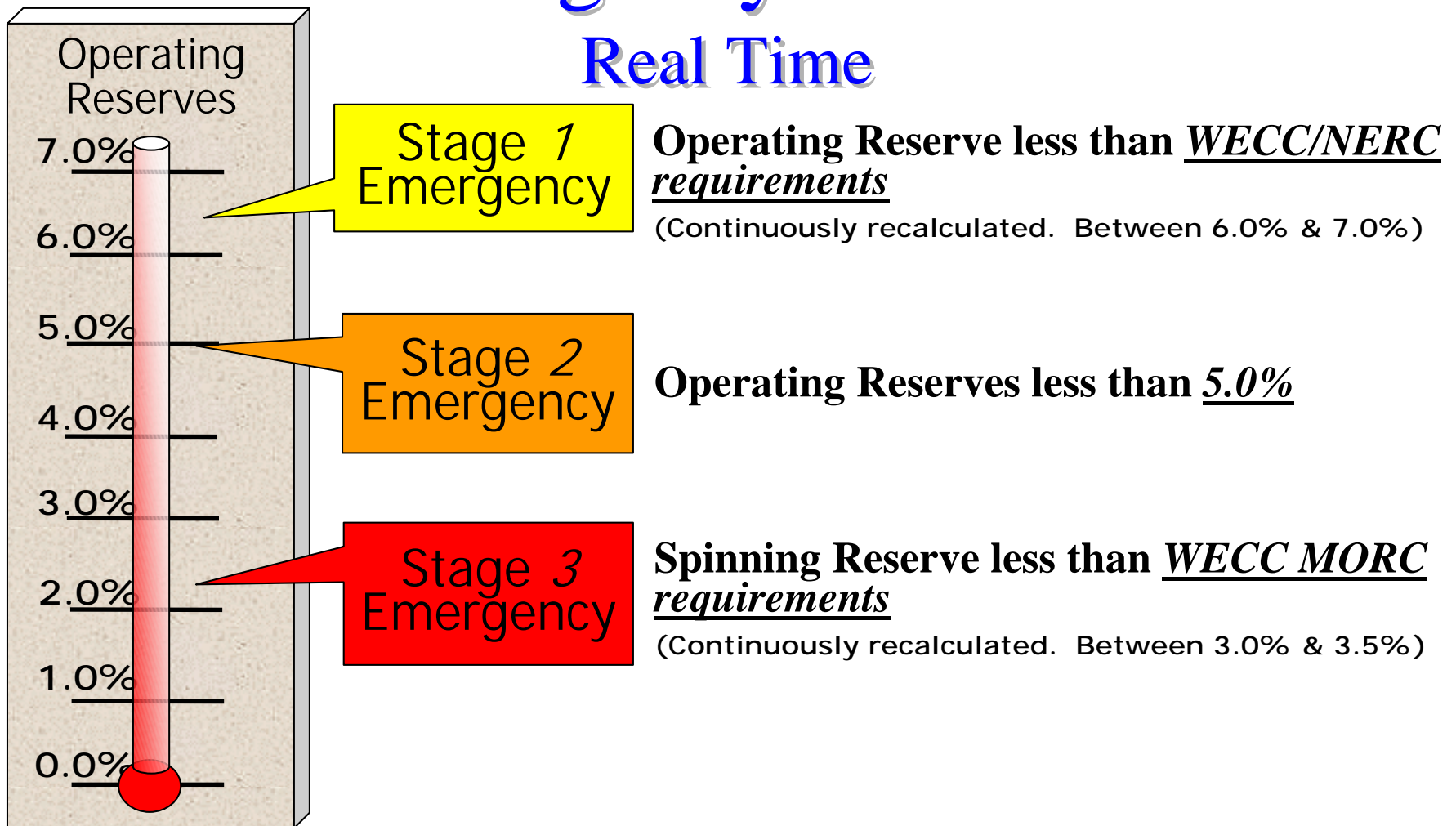
- Issued to restrict Transmission and/or Generation maintenance if such work could threaten reliability

# Transmission/System Emergencies

- Declared due to:
  - Equipment overloads or failure (e.g., Transmission Lines/Paths, Transformers, etc)
  - System frequency deviations or decay
  - When equipment is impacted by fires, earthquakes, extreme weather, sabotage, etc.

# Emergency Notices

## Real Time



# 24 and 1 Hour Notices



Within 24 hours

- Issue 24 Hour Forecast Notice
- Issue Flex Your Power Now Notice

Within 1 hour

- Issue 1 Hour Probability Notice

## Who is notified?

- Public safety agencies
- Media
- Utilities
- Energy Market Participants
- Regulatory & Oversight agencies
- Log into [www.caiso.com](http://www.caiso.com) for the California ISO's latest emergency information

## What triggers notification?

Reasons may include

- Peak electricity demand forecast
- Generation unavailability
- Loss of generation or transmission facilities
- Adverse weather forecast

Load Shedding

- Issue Notice of Load Interruption
- Instruct utilities to implement load shedding

