



Flex Alert Overview

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Agenda



1. What is the CAISO?
2. What is a Flex Alert?
3. Cycle of Curtailment
4. CAISO Notifications
5. SDG&E's Grid Resiliency Efforts

California Independent System Operator

- Created in 1998 as part of the state's energy market restructuring
- Manages the flow of electricity on California's grid
- Operates the wholesale energy marketplace
- Operates 24/7
- Led by a five-member Board of Governors with Federal Energy Regulator Commission oversight
- 30 million customers in California



www.caiso.com

What is a Flex Alert?



Voluntary call for conservation across the state.

Issued by the California Independent System Operator (CAISO) when there is an anticipated shortage of energy supply

Contributing factors

- Humid, hot weather and heat storms drive up electricity use
- Unplanned power plant outages
- Fires that threaten or affect transmission lines

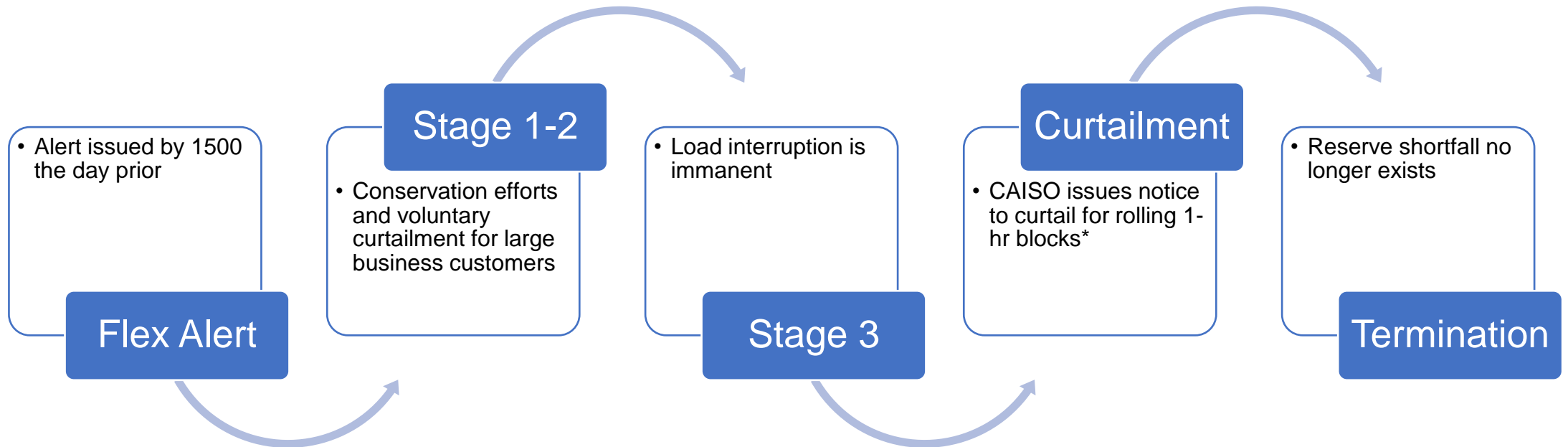
Customer notifications

- Statewide marketing campaign to drive awareness and urge conservation when Flex Alert is called
- Sign-up for notifications at flexalert.org



Statewide marketing campaign creative.

Cycle of Curtailment



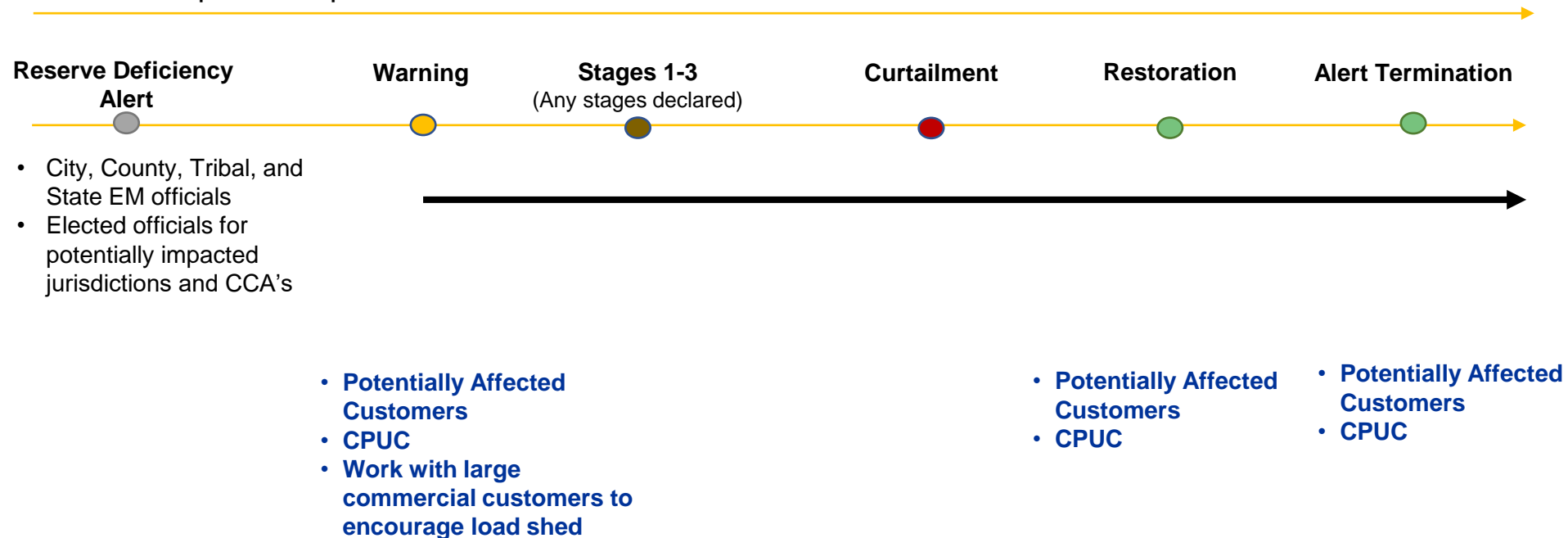
*Each block is curtailed for a maximum of 1-hr. Number of blocks is determined by how many megawatts are included in the CAISO order. Once the order is given, curtailment is required within 10 mins.

Blocks are listed on www.sdgenews.com when a Flex Alert is issued, and GIS maps are shared with public safety partners who have access the PSPS secure map portal.

CAISO Notifications



Based anticipated scope




* It is possible, in such cases as a CAISO declared System or Transmission Emergencies, that CAISO could order an IOU or multiple IOUs to shed load immediately whether or not the ISO has previously issued any alert or warning. In this scenario:

- The priority is to shed the required load to preserve the security of the Electric System in the State
- IOUs will notify county and state emergency management entities as soon as possible
- Elected officials in impacted jurisdictions will be notified as soon as possible
- Customers will be notified as soon as possible

Grid Resiliency Efforts



Grid Reliability	Demand Response Programs	Customer Outreach	Customer Action
<p>Expanded local energy generation resources and capacity</p> <p>Procured resources</p> <ul style="list-style-type: none">• 260 MW of new energy storage resources	<p>New for the summer of 2021</p> <ul style="list-style-type: none">• California State Emergency Load Program• Emergency Load Reduction Pilot <p>Residential and Commercial program</p> <ul style="list-style-type: none">• SDGE.com/dr	<p>Summer campaign to reinforce energy saving tips and 4 – 9 pm on-peak period</p> <ul style="list-style-type: none">• Save energy and money• Make better use of cleaner, renewable energy sources 	<p>Sign-up for notification at flexalert.org</p> <ul style="list-style-type: none">• Set thermostats to 78, health permitting• Avoid using large appliances• Turn off unnecessary lights• Block the sun with drapes/blinds• Use fans

QUESTIONS

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