
 California ISO Your Link to Power	OPERATING PROCEDURE ATTACHMENT C	Procedure No.	E-508C
		Version No.	2.3
		Effective Date	8/20/09
Electrical Emergency Notices		Distribution Restriction: NONE	

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Purpose and Distribution

The California ISO sends Electrical Emergency Notices when adverse grid or market conditions require activation of the California ISO Electrical Emergency Plan. Notices are targeted to control centers and communications departments of Participating Transmission Owners, Utility Distribution Companies, Metered Subsystems, Market Participants as well as state, federal, regulatory and oversight agencies. Not all Electrical Emergency Notices are necessarily sent to all recipients but rather to the stakeholders for each notice identified by the CAISO. Subsequent re-transmissions of these notices by media, public safety agencies, and others extend the audience to a much wider range of recipients than those specified above.


Electrical Emergency Notices may be issued on a CAISO Grid or Regional (Northern or Southern California) basis. In addition to the standardized text in the following pages, CAISO Operators can elect to provide additional details and descriptions specific to the event.

Advisories, NOT Dispatch Instructions

Electrical Emergency Notices do not serve nor should they be mistaken for dispatch instructions or orders issued by the California ISO. They are advisories only and dispatch instructions relative to electrical emergencies will be issued through established modes.

Disclaimer

Electrical Emergency notices are based on current conditions of the transmission grid system. While a CAISO Electrical Emergency Notice reflects the most current information available to the CAISO at the time of issuance, transmission grid system conditions are subject to sudden and rapid change without warning and the accuracy of any notice cannot be assured. These CAISO notices are provided solely for informational purposes. Reliance by any party on the contents of these CAISO notices, regardless of any errors, omissions, inaccuracies, and/or subsequent changed conditions shall not be made the basis for any claim, demand, or cause for action against the CAISO. Any recipient's decisions or actions that may be based in any way whatsoever on the contents of these CAISO notices shall be the sole responsibility of the recipient.

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1. Issuance of Electrical Emergency Notices

24-Hour Forecast of Potential Load Interruptions Notice CAISO Grid, Northern CA Region, or Southern CA Region

The ISO forecasts the potential interruption of firm load for the period [Start Date], [Start Time] through [End Date], [End Time] based on [CAISO Grid, Northern CA Region or Southern CA Region] conditions as of [Notice Post Date].

Maximum conservation efforts are encouraged for the time period specified in this notice.

The Utility Distribution Companies and Metered Subsystems are to await further orders from the ISO. A 'Stage 3 Emergency Notice' and 'Notice of Load Interruptions' will be issued by the ISO when the load interruptions have actually begun or are imminent.

Please monitor the ISO System Conditions Website for more information and check with your local service provider for details pertinent to your area.

Alert Notice CAISO Grid, Northern CA Region, or Southern CA Region


The California ISO hereby issues a [CAISO Grid, Northern CA Region or Southern CA Region] Alert Notice, effective [Start Date] at [Start Time] through [End Date, End Time].

Reason: [Reason]

Maximum conservation efforts are requested but without disruption to employment, commerce, or industrial production. Energy market participants are encouraged to offer additional Supplemental Energy and Ancillary Service bids.

Monitor system conditions on the California ISO Website at www.caiso.com and check with local electric utilities for additional information. This message was sent by Market Operations at the California ISO.

Notice issued at: [Notice Post Date]

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Warning Notice

CAISO Grid, Northern CA Region, or Southern CA Region

The California ISO hereby issues a [CAISO Grid, Northern CA Region or Southern CA Region] Warning Notice, effective [Start Date], [Start Time] through [End Date], [End Time].

Reason: [Reason]

Maximum conservation efforts are advised but without disruption to employment, commerce, or industrial production. Energy market participants are encouraged to offer additional Supplemental Energy and Ancillary Service bids.

Monitor system conditions on the California ISO Website at www.aiso.com and check with local electric utilities for additional information. This message was sent by Market Operations at the California ISO.

[Supersedes?]

Notice issued at: [Notice Post Date]


**1-Hour Notification of
Probable Load
Interruptions**

CAISO Grid, Northern CA Region, or Southern CA Region

The CAISO anticipates the need to interrupt firm load for the period [Start Date], [Start Time] through [End Date], [End Time] in the amount of [MW amount] MW for each respective hour for the period for [CAISO Grid, Northern CA Region or Southern CA Region] based on system conditions as of [Notice Post Date].

Maximum conservation efforts are encouraged for the time period specified in this notice. Utility Distribution Companies and Metered Subsystems await further orders from the ISO. The ISO will issue a 'Stage 3 Emergency Notice' and 'Notice of Load Interruptions' when the load interruptions have actually begun or are imminent.

Please monitor the ISO System Conditions Website for more information.

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Stage 1 Emergency Notice CAISO Grid, Northern CA Region, or Southern CA Region

The California ISO hereby issues a [CAISO Grid, Northern CA Region or Southern CA Region] STAGE 1 ELECTRICAL EMERGENCY Notice, effective [Start Date], [Start Time] through [End Date], [End Time].

Reason: [Reason]


Operating Reserves are currently, or forecast to be, less than amounts required by the Western Electricity Coordinating Council. If Operating Reserves deplete further, the ISO will declare a Stage 2 Electrical Emergency and may begin curtailing Interruptible Loads*.

Monitor system conditions on the California ISO Website at www.caiso.com and check with local electric utilities for additional information. This message was sent by Market Operations at the California ISO.

[Supersedes?]

Notice issued at: [Notice Post Date]

*Interruptible Loads are comprised of customers from Southern California Edison, San Diego Gas and Electric, and Pacific Gas & Electric who opt for service under "Interruptible Rate Schedules" and "Emergency Curtailment" tariffs authorized by the California Public Utilities Commission that provide for periodic curtailments by the California ISO. The ISO will also curtail loads that elect to participate in California ISO Load Interruption Programs, described in Operating Procedure E-511.

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**Stage 2 Emergency
Notice**

CAISO Grid, Northern CA Region, or Southern CA Region

The California ISO hereby issues a [CAISO Grid, Northern CA Region or Southern CA Region] STAGE 2 ELECTRICAL EMERGENCY Notice effective [Start Date], [Start Time] through [End Date], [End Time].

Reason: [Reason]

The ISO will be curtailing Interruptible Loads* and requests maximum conservation. Energy market participants are encouraged to offer additional Supplemental Energy and Ancillary Service bids.


Operating Reserves are currently, or forecast to be, less than 5%. If Operating Reserves deplete further, the ISO will declare a Stage 3 Electrical Emergency and begin curtailing firm loads.

Monitor system conditions on the California ISO Website at www.caiso.com and check with local electric utilities for additional information. This message was sent by Market Operations at the California ISO.

[Supersedes?]

Notice issued at: [Notice Post Date]

*Interruptible Loads are comprised of customers from Southern California Edison, San Diego Gas and Electric, and Pacific Gas & Electric who opt for service under "Interruptible Rate Schedules" and "Emergency Curtailment" tariffs authorized by the California Public Utilities Commission that provide for periodic curtailments by the California ISO. The ISO will also curtail loads that elect to participate in California ISO Load Interruption Programs, described in Operating Procedure E-511.

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Stage 3 Emergency Notice CAISO Grid, Northern CA Region, or Southern CA Region

The California ISO hereby issues a [CAISO Grid, Northern CA Region or Southern CA Region] STAGE 3 ELECTRICAL EMERGENCY Notice effective [Start Date], [Start Time] through [End Date], [End Time].

Reason: [Reason]

The ISO requires load curtailments, curtailment of Interruptible Loads* and requests Out-of-Market (OOM) and Emergency Energy from all available sources. Maximum conservation efforts are requested.


Operating Reserves have depleted or are forecast to deplete to levels below minimum requirements. To maintain grid reliability, load curtailments are required and will continue until such time as sufficient Operating Reserves are available.

Monitor system conditions on the California ISO Website at www.aiso.com and check with local electric utilities for additional information. This message was sent by Market Operations at the California ISO.

[Supersedes?]

Notice issued at: [Notice Post Date]

*Interruptible Loads are comprised of customers from Southern California Edison, San Diego Gas and Electric, and Pacific Gas & Electric who opt for service under "Interruptible Rate Schedules" and "Emergency Curtailment" tariffs authorized by the California Public Utilities Commission that provide for periodic curtailments by the California ISO. The ISO will also curtail loads that elect to participate in California ISO Load Interruption Programs, described in Operating Procedure E-511.

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Stage 3 Emergency- Load Interruptions CAISO Grid, Northern CA Region, or Southern CA Region

The California ISO hereby issues a [CAISO Grid, Northern CA Region or Southern CA Region] STAGE 3 ELECTRICAL EMERGENCY - LOAD INTERRUPTIONS Notice and requires firm load interruptions. The following utilities will interrupt firm load from [Start Date] at [Start Time] to [End Date] at [End Time].

Reason: [Reason]

Load interruptions will occur in the following amounts:


TOTAL REDUCTION	[MW]
ISO Member Utility A	[%] [MW]
ISO Member Utility B	[%] [MW]
ISO Member Utility C	[%] [MW]
ISO Member Utility D	[%] [MW]
ISO Member Utility E	[%] [MW]
ISO Member Utility F	[%] [MW]
ISO Member Utility G	[%] [MW]
ISO Member Utility H	[%] [MW]
ISO Member Utility I	[%] [MW]
ISO Member Utility J	[%] [MW]
ISO Member Utility K	[%] [MW]

The ISO advises maximum energy conservation during this period and requests Out-of-Market (OOM) and Emergency Energy from all available sources for this period.

Monitor system conditions on the California ISO Website at www.caiso.com and check with local electric utilities for additional information. This message was sent by Market Operations at the California ISO.

[Supersedes?]

Notice issued at: [Notice Post Date]

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**System Emergency
Notice**

CAISO Grid, Northern CA Region, or Southern CA Region

The California ISO hereby issues a [CAISO Grid, Northern CA Region or Southern CA Region] SYSTEM EMERGENCY Notice effective [Start Date], [Start Time] through [End Date], [End Time] based on conditions as of [Notice Post Date].

Reason: [Reason]

Monitor system conditions on the California ISO Website at www.caiso.com and check with local electric utilities for additional information.

This message was sent by Market Operations at the California ISO.

[Supersedes?]

Notice issued at: [Notice Post Date]

**Transmission
Emergency Notice**

CAISO Grid, Northern CA Region, or Southern CA Region

The California ISO hereby issues a [CAISO Grid, Northern CA Region or Southern CA Region] TRANSMISSION EMERGENCY Notice effective [Start Date], [Start Time] through [End Date], [End Time] based on conditions as of [Notice Post Date].


Reason: [Reason]

Monitor system conditions on the California ISO Website at www.caiso.com and check with local electric utilities for additional information.

This message was sent by Market Operations at the California ISO.

[Supersedes?]

Notice issued at: [Notice Post Date]

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Restricted Maintenance Operations Notice CAISO Grid, Northern CA Region, or Southern CA Region

The California ISO is declaring a [CAISO Grid, Northern CA Region or Southern CA Region] Restricted Maintenance Operations Notice from [Start Date], [Start Time] through [End Date], [End Time].

Reason: [The ISO is anticipating high loads and temperatures across the CAISO Grid, Northern CA Region, or Southern CA Region].

Restricted Maintenance Operations, as detailed in ISO Operating Procedure E-509, will be in effect.

Market participants are cautioned to avoid actions which may jeopardize generator and/or transmission availability.

This message is from Market Operations at the California ISO.

Notice issued at: [Notice Post Date]

Generation Restricted Maintenance Operations Notice CAISO Grid, Northern CA Region, or Southern CA Region

The California ISO is declaring a [CAISO Grid, Northern CA Region or Southern CA Region] GENERATION Restricted Maintenance Operations Notice from [Start Date], [Start Time] through [End Date], [End Time].


Reason: [The ISO anticipates generation resources may be inadequate for the period covered by this notice].

Restricted Maintenance Operations, as detailed in ISO Operating Procedure E-509, will be in effect. Additionally, Market Participants are cautioned to avoid actions which may unnecessarily jeopardize generator availability.

This notice does not restrict scheduled outages which do not affect generating resource availability.

This message is from Market Operations at the California ISO.

Notice issued at: [Notice Post Date]

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2. Termination of Electrical Emergency Notices

Alert Cancellation Notice CAISO Grid, Northern CA Region, or Southern CA Region

Effective [Date] at [Time] the California ISO terminates the [CAISO Grid, Northern CA Region or Southern CA Region] SYSTEM ALERT in effect since [Effective Date].

Monitor system conditions on the California ISO Website at www.caiso.com and check with local electric utilities for additional information. This message was sent by Market Operations at the California ISO.

[Supersedes?]

Notice issued at: [Notice Post Date]


Warning Cancellation Notice CAISO Grid, Northern CA Region, or Southern CA Region

Effective [Date] at [Time] the California ISO terminates the [CAISO Grid, Northern CA Region or Southern CA Region] WARNING in effect since [Effective Date].

Monitor system conditions on the California ISO Website at www.caiso.com and check with local electric utilities for additional information. This message was sent by Market Operations at the California ISO.

[Supersedes?]

Notice issued at: [Notice Post Date]

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Stage 1 Cancellation Notice CAISO Grid, Northern CA Region, or Southern CA Region

Effective [Date] at [Time] the California ISO terminates the [CAISO Grid, Northern CA Region or Southern CA Region] STAGE 1 ELECTRICAL EMERGENCY in effect since [Effective Date].

Monitor system conditions on the California ISO Website at www.caiso.com and check with local electric utilities for additional information. This message was sent by Market Operations at the California ISO.

[Supersedes?]

Notice issued at: [Notice Post Date]

Stage 2 Cancellation Notice CAISO Grid, Northern CA Region, or Southern CA Region

Effective [Date] at [Time] the California ISO terminates the [CAISO Grid, Northern CA Region or Southern CA Region] STAGE 2 ELECTRICAL EMERGENCY in effect since [Effective Date].

Monitor system conditions on the California ISO Website at www.caiso.com and check with local electric utilities for additional information. This message was sent by Market Operations at the California ISO.

[Supersedes?]

Notice issued at: [Notice Post Date]


Stage 3 Cancellation Notice CAISO Grid, Northern CA Region, or Southern CA Region

Effective [Date] at [Time] the California ISO terminates the [CAISO Grid, Northern CA Region or Southern CA Region] STAGE 3 ELECTRICAL EMERGENCY in effect since [Effective Date].

Monitor system conditions on the California ISO Website at www.caiso.com and check with local electric utilities for additional information. This message was sent by Market Operations at the California ISO.

[Supersedes?]

Notice issued at: [Notice Post Date]

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Stage 3 Load Interruptions Cancellation CAISO Grid, Northern CA Region, or Southern CA Region

Effective [Date] at [Time] the California ISO terminates the [CAISO Grid, Northern CA Region or Southern CA Region] STAGE 3 EMERGENCY LOAD INTERRUPTIONS in effect since [Effective Date].

Monitor system conditions on the California ISO Website at www.caiso.com and check with local electric utilities for additional information. This message was sent by Market Operations at the California ISO.

[Supersedes?]

Notice issued at: [Notice Post Date]

Cancel System Emergency Notice CAISO Grid, Northern CA Region, or Southern CA Region

Effective [End Date] at [End Time] the California Independent System Operator terminates the [CAISO Grid, Northern CA Region or Southern CA Region] System Emergency in effect since [Effective Date].

Monitor system conditions on the California ISO Website at www.caiso.com and check with local electric utilities for additional information. This message is from Market Operations at the California ISO.

[Supersedes?]

Notice issued at: [Notice Post Date]


Cancel Transmission Emergency Notice CAISO Grid, Northern CA Region, or Southern CA Region

Effective [End Date] at [End Time] the California Independent System Operator terminates [CAISO Grid, Northern CA Region or Southern CA Region] Transmission Emergency in effect since [Effective Date].

Monitor system conditions on the California ISO Website at www.caiso.com and check with local electric utilities for additional information. This message is from Market Operations at the California ISO.

[Supersedes?]

Notice issued at: [Notice Post Date]

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3. Updates/Downgrades of Electrical Emergency Notices

Stage 1 Downgrade CAISO Grid, Northern CA Region, or Southern CA Region


Effective [date] at [time] the California Independent System Operator has terminated a [CAISO Grid, Northern CA Region or Southern CA Region] Stage 1 of the Electrical Emergency Plan.
 However a Warning will be in effect until [End Date]. Stage 1 has been in effect since [effective date].
 This message is from Market Operations at the California ISO.
 [Supersedes?]
 Notice issued at: [Notice Post Date]

Stage 2 Downgrade CAISO Grid, Northern CA Region, or Southern CA Region

Effective [date] at [time] the California Independent System Operator has terminated a [CAISO Grid, Northern CA Region or Southern CA Region] Stage 2 of the Electrical Emergency Plan.
 However a Stage 1 will be in effect until [End Date]. Stage 1 has been in effect since [effective date].
 This message is from Market Operations at the California ISO.
 [Supersedes?]
 Notice issued at: [Notice Post Date]

Stage 3 Downgrade CAISO Grid, Northern CA Region, or Southern CA Region

Effective [date] at [time] the California Independent System Operator has terminated a [CAISO Grid, Northern CA Region or Southern CA Region] Stage 3 of the Electrical Emergency Plan.
 However a Stage 2 will be in effect until [End Date]. Stage 1 has been in effect since [effective date].
 This message is from Market Operations at the California ISO.
 [Supersedes?]
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Warning Downgrade CAISO Grid, Northern CA Region, or Southern CA Region

Effective [date] at [time] the California Independent System Operator has terminated a [CAISO Grid, Northern CA Region or Southern CA Region] Stage 3 of the System Warning condition. However an Alert will be in effect until [End Date]. Stage 1 has been in effect since [effective date]. This message is from Market Operations at the California ISO. [Supersedes?] Notice issued at: [Notice Post Date]