



California ISO

# 2021 Summer Readiness Update

Stakeholder Call

July 29, 2021

# Agenda

Topic	Presenter
Welcome and introductions	Kristina Osborne
Operations update	John Phipps
Implementation Update	Adrian Chiosea
Policy Update	Greg Cook
Summer Market Performance Update	Guillermo Bautista Alderete
Q&A	

## The objective of this call is to provide high-level updates on summer readiness activities

- Including operations, regulatory, policy implementation timelines
- More detailed questions related to market activity or policies should be discussed in the appropriate forums (i.e., market update call, initiative stakeholder meetings, Market Performance and Planning Forum, etc.)
- Please submit data requests through CIDI

# Operations Update

John Phipps, Executive Director, Grid Operations

# Operations Update

	2016	2017	2018	2019	2020	2021	TOTALS
Flex Alert*	3	4	2	1	5	6	117
Restricted Maintenance Operations	11	10	18	2	9	11	504
Transmission Emergency	0	1	2	3	2	0	34
Alert	0	0	0	0	9	0	239
Warning	0	0	0	1	7	3	315
Stage 1 Emergency	0	1	0	0	0	0	146
Stage 2 Emergency	0	0	0	0	6	1	118
Stage 3 Emergency	0	0	0	0	2	0	41
1-Hour Probable Load Interruptions	0	0	0	0	1	0	1

- June 15-18 – RMO
- June 17 – Flex Alert & Warning
- June 18 – Flex Alert
- July 9 – Flex Alert, Warning, Stage 2 (EEA 3)
- July 10 - RMO, Flex Alert, Warning
- July 12 – RMO, Flex Alert
- July 27, 28, & 29 - RMO
- July 28 – Flex Alert

## Operations Update

- June 17 – Flex Alert & **Warning**
- July 10 - RMO, Flex Alert, **Warning**

On June 17 & July 10 CAISO did not issue an Alert as the forecasted outlook was good. Real time events (reduced generation and transmission capacity) occurred quickly and required escalation of AWE declarations to manage the situations.

# Implementation Update

Adrian Chiosea

Sr. Manager, Strategic Initiative Management

# Completed summer readiness implementations

## FERC 831 – Import Bidding and Market Parameters project

- Phase 1: Order No. 831 FERC compliance – activated March 17 ✓
- Phase 2: Order No. 831- related enhancements – activated June 13 ✓

## Resource Adequacy Enhancements Track 1

- Resource Adequacy Capacity Substitution (POSO) – activated June 3 ✓
- Operationalizing Storage - Minimum State of Charge Requirement – activated June 30 ✓
- OMS changes – activated July 15 ✓

## Summer Readiness Enhancements

- EIM coordination and resource sufficiency test review
  - Import market incentives during tight system conditions
  - Real-time scarcity price enhancements
  - Including reliability DR resources in real-time pre-dispatch
  - Management of storage resources during tight conditions
    - Updated SOC requirements when storage provides regulation
    - New screens for operators to visualize storage fleet
    - Operators can specify SOC targets for individual resource/hours
  - New OASIS report showing gross exports and imports by intertie - activated July 26 ✓
- activated June 15 ✓
- activated June 30 ✓

# Summer readiness upcoming implementations

Including reliability demand response resources in real-time pre-dispatch

- Production activation scheduled for - 8/4/2021

Export, Load, and Wheeling scheduling priorities

- Market simulation in progress.
- Production activation scheduled for - 8/4/2021

Handling of RA priority on PT export

- Market simulation in progress.
- Production activation scheduled for - 8/4/2021

Non-policy scope - Today's Outlook - Publishing of hourly RA data

- Production activation scheduled for - 8/4/2021

# Policy Update

Greg Cook

Executive Director, Market and Infrastructure Policy

# New initiatives started for EIM resource sufficiency evaluation and external load forward scheduling priorities

- **Resource Sufficiency Evaluation**
  - Issue paper posted on June 3rd
  - Stakeholder workshop held on June 25th and 28th
  - Straw proposal to be posted week of August 9
  - MSC meeting on August 27th
  - Board decision planned for December
- **External Load Forward Scheduling Priorities**
  - Stakeholder workshop held on July 13th
  - Issue paper to be posted by end of August
  - 2 phase process planned
    - Phase 1 -- Enhancements for post May 31, 2022
    - Phase 2 – Long-term enhancements for Fall 2024

# Summer Market Performance Update

Guillermo Bautista Alderete

Director, Market Analysis and Forecasting

# New monthly report to assess market performance during the Summer 2021

- Report on ISO's market performance and system conditions during summer 2021 when California power grid and the Western Interconnection are particularly constrained
- Published each month through September 2021
- Informational call scheduled on Monday, Aug 2 to discuss in more detail
  - Visit miscellaneous stakeholder meetings webpage for more information  
<http://www.caiso.com/informed/Pages/MeetingsEvents/MiscellaneousStakeholderMeetings/Default.aspx>

# Summer monthly report covers the overall performance of the markets and summer conditions

- Update on summer enhancements
- Weather conditions
- Demand, supply and resource adequacy
- Imports, exports and wheels-throughs
- Demand response and energy conservation
- Storage resources
- EIM market
- Market issues

# Reminder: Capacity Procurement Mechanism (CPM) Significant Event in Effect

- Due to several significant changes in the assumptions underlying the resource adequacy program and summer grid conditions, the ISO used its tariff based authority to issue a Significant Event CPM effective July 1
  - Notice found [here](#)
  - Possibly in effect through Oct 2021
- Requesting scheduling coordinators with additional non-RA capacity who wish to offer in to notify the ISO through CIDI or contact an ISO Customer Service at 916-608-7320
- Additional information related to this event and capacity submission process can be found on the ISO website at <http://www.caiso.com/Pages/documentsbygroup.aspx?GroupID=298B21D6-38FD-405E-ACF5-7AD78519A429>

# Resources

- 2021 Summer Readiness webpage  
<http://www.caiso.com/about/Pages/News/SummerReadiness.aspx>
- Sign up to receive Flex Alerts at [www.flexalert.org](http://www.flexalert.org)
- News webpage  
<http://www.caiso.com/about/Pages/News/default.aspx>
- Submit questions through CIDI or [Contact Us](#) linked on ISO's homepage; members of media should contact [isomedia@caiso.com](mailto:isomedia@caiso.com).