2021 Summer Readiness Update

Stakeholder Call
June 23, 2021
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Implementation Update

Adrian Chiosea, Senior Manager, PMO
FERC Order 831 – Import Bidding and Market Parameters

FERC 831 – Import Bidding and Market Parameters project focused on achieving two main goals:
1. modify tariff and systems to accommodate bidding flexibility above the $1000/MWh cap, and
2. apply validation for imported bids.

CAISO revised the tariff to raise the energy bid cap from $1,000/MWh to $2,000/MWh. CAISO also revised the tariff to require suppliers within the CAISO balancing authority area (BAA), that submit energy bids above $1,000/MWh, to base bids on verifiable actual or expected costs.

The FERC 831 project implemented changes:
• A price-screening methodology for import bids greater than $1,000/MWh.
• A methodology to establish market constraint relaxation penalty prices under a $2,000/MWh hard energy bid cap.

Phases
The FERC Order 831 project has been divided into two major phases, focused on:
– 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

**Scope activated in Production on 6/3/2021 ✓**
- Resource Adequacy Capacity Substitution (POSO)

**Scope scheduled to go-live on 6/30/2021**
- Operationalizing Storage
  - Minimum State of Charge Requirement

Status:
- Structured market simulation complete
- Market participants unstructured/specific testing underway

**Scope scheduled to go-live on 7/12/2021**
- OMS changes:
  - Prevent outage expansion (increasing the MW derate on outage) after the outage has started to match filed Tariff.
  - Allow outage breakpoints update limited by the max curtailment of that trade date.
  - Allow outage overlapping for specific nature of works.

Status:
- Structured market simulation starting 6/28
Summer Readiness Enhancements

• **Market enhancements activated in Production on 6/15/2021 ✓**
  - EIM coordination and resource sufficiency test review
  - Import market incentives during tight system conditions
  - Real-time scarcity price enhancements
  - Including reliability demand response resources in real-time pre-dispatch

• **Market enhancements scheduled to go-live 6/30/2021**
  - Management of storage resources during tight conditions
    - Updated SOC requirements when storage provides regulation
    - New screens for operators to visualize storage fleet
    - New ability for operators to specify state of charge targets for individual resource/hours
  - New OASIS report showing gross exports and imports by intertie

Status:
  - Structured market simulation complete
  - Market participants unstructured/specific testing underway

• **Market enhancements scheduled to go-live 7/15/2021**
  - Load, Export, and Wheeling scheduling priorities
  - Handling of RA priority on PT export

Status: market simulation starting on 6/30
## Summer 2021 Release - Overview

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<th>BRS</th>
<th>Config Guide</th>
<th>Tech Spec</th>
<th>Mkt Sim Scenarios</th>
<th>File Tariff</th>
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<td>- Export, wheeling, and load scheduling</td>
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Summer 2021 Readiness:
- Draft: 2/25/21
- v1.0: 3/25/21
- v1.0: Non-Policy Scope 4/9/21

Resource Adequacy Enhancements:
- v1.0 POSO: 2/25/21
- v2.0 Op Storage: 3/18/21
- v2.1: 4/12/21

**Notes:**
- BOG 3/24/21
- v1.0 POSO 3/15/21
- Op S. 4/16/21
- Non-Policy: By 7/30/21
Operations Update

Dede Subakti, Vice President, System Operations
First Flex Alert in 2021

- June 17-18, 2021

CAISO is committed to provide early and transparent communication

- Currently, we are utilizing heat wave bulletin, flex alert, AWE notices, etc (see Procedure 4420 [http://www.caiso.com/Documents/4420.pdf](http://www.caiso.com/Documents/4420.pdf))
- Further improvements are coming soon (e.g. Summer Readiness 2021 Non-Policy items by 7/30/21)
Resources

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