Market Simulation – Summer 2021 Release

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Market Simulation Coordinator

April 29, 2021
Recordings

Calls and webinars are recorded for stakeholder convenience, allowing those who are unable to attend to listen to the recordings after the meetings. The recordings will be publicly available on the ISO web page for a limited time following the meetings. The recordings, and any related transcriptions, should not be reprinted without the ISO’s permission.
Agenda

• Summer 2021 Release MAP Stage Availability
• Summer 2021 Release Market Simulation Initiatives & Timelines
• Initiatives
  – FERC order 831 - pricing parameters, import bid screening, and validation
  – Resource adequacy enhancements track 1
  – Summer 2021 readiness
• Structured Scenario Registration Details
• Summer 2021 - System Interface Changes
• Next Steps
Summer 2021 Release MAP Stage Availability

• Refer to MAP Stage portal https://portalmap.caiso.com for system availability information

• Current MAP Stage Scheduled Maintenance
  – CIRA UI/API 4/21 thru 4/30

• MAP Stage Weekly Maintenance Window
  – Friday
## Summer 2021 Release Market Simulation Initiatives & Timelines

<table>
<thead>
<tr>
<th>Summer 2021 Release Initiatives</th>
<th>Start Date</th>
<th>Start Date (Trade Date)</th>
<th>End Date</th>
<th>Structured Simulation Start (Trade Date)</th>
<th>Go Live Date</th>
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</thead>
<tbody>
<tr>
<td>Summer 2021 Release Market Simulation</td>
<td>04/26/21</td>
<td>04/26/21</td>
<td>05/28/21</td>
<td>05/10/21</td>
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<tr>
<td>FERC order 831</td>
<td></td>
<td></td>
<td></td>
<td>05/25-05/27</td>
<td>June 15</td>
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<tr>
<td>Resource adequacy enhancements track 1</td>
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<td>Phase 1 - 05/11 &amp; 5/13 Phase 2 – 6/15</td>
<td>Phase 1 - June 03 Phase 2 - June 30</td>
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<td>Phase 1 – Scenario 1,2,3</td>
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<td>Phase 2 – Scenario 4,5</td>
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<td>Phase 2 – Scenario 1,2,5</td>
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<td>Phase 2 – 5/27</td>
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<td>Phase 3 – Scenario 3,4</td>
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### Market Simulation Plan:

Scenario Description

- **Resource Adequacy Enhancements - Phase 1**
  - Scenario #1: “Description Fully covered substitution”
  - Scenario #2: “Less than full substitution”
  - Scenario #3: “Outages already started cannot be extended” *This scenario will be tested as unstructured*

- **Resource Adequacy Enhancements - Phase 2**
  - Scenario #4: “Binding Min EOH SOC Requirements”
  - Scenario #5: “Deactivation of Enforcement of Binding Min EOH SOC Requirements in RTM”

- **Summer Readiness - Phase 1**
  - Scenario #6 “Flexible Ramping Capacity and Sufficiency Tests.”
  - Scenario #7 “Auto-mirroring for specified mirror resources
  - Scenario #8 “Use last advisory RTD schedules while contingency event in EIM BAA extends beyond the advisory horizon

- **Summer Readiness - Phase 2**
  - Scenario #1 “RTM Import & Export Market Incentives during Tight System Conditions”:
  - Scenario #2 “Release of All Applicable (Contingent & non-Contingent) Operating Reserves at the Bid Cap Price”:
  - Scenario #5 “RDRR Enable dispatch in RTM

- **Summer Readiness - Phase 3**
  - Scenario #3 “Ensure Storage Resources have Sufficient SOC to Support Regulation Up and Regulation Down Awards for at Least 30 Minutes in RTM”:
  - Scenario #4 “Operator Utilization of Traditional ED for Storage Resources”
Market Simulation Initiatives

• **Timeline : April 26 – May 28**

• **FERC order 831**
  – **Structured** : May 25, 26, 27
  – Structured Scenarios document -
  – Business Requirements Specification -

• **Resource adequacy enhancements track 1**
  – **Structured** : Phase 1: May 11 & 13,  Phase 2: June 15
  – Business Requirements Specification -
  – Structured Scenarios document -

• **Summer 2021 readiness**
  – **Structured** : Phase 1: May 20 & 25,  Phase 2: June 01 & 03 ,  Phase 3: June 15 & 17
  – Business Requirements Specification -
  – Structured Scenarios document -
Structured Scenario Registration Details

MP’s will need to register their request with the ISO to participate in this simulation via the MarketSim@caiso.com mailbox.

Date of registration
RA Enhancements Track 1 - April 26th, 2021.
FERC 831 & Summer 2021 readiness – May 6th, 2021
We will do our best to accommodate for late registration
# Summer 2021 - System Interface Changes

<table>
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<th>SUMMER 2021 RELEASE</th>
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<tr>
<td><strong>Project</strong></td>
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<td>FERC831</td>
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Next Steps

• The next teleconference is scheduled on May 03 at 2 PM
Reference Slides
ISO Market Simulation Support

- **Hours:** Monday thru Friday 0900-1800 PDT
- **ISO’s 24x7 Service Desk:** (916) 351-2309 (Connectivity – UI or API)
- **Email:** MarketSim@caiso.com
Spring 2021 Release Communication Plan

• Schedule

<table>
<thead>
<tr>
<th>Monday</th>
<th>Thursday</th>
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<tbody>
<tr>
<td>April 26</td>
<td>April 22, 29</td>
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<tr>
<td>May 3, 10, 17, 24</td>
<td>May 6, 13, 20, 27</td>
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• Connection Information
  – Web Conference Information
    • Web Address: [https://caiso.webex.com/meet/MarketSim](https://caiso.webex.com/meet/MarketSim)
    • Meeting Number: 962 067 710
    • Audio connection instructions will be available after connecting to the web conference. When prompted, select "Call me" and enter the phone number you will use during the call. You will be called by the conference shortly.

  – Conference Call Information
    • Dial-in Number:
      – 1-844-517-1271 (Toll Free)
      – 1-682-268-6591
    • Access Code: 962 067 710
Market Simulation Issue Management

• Submit all issues to the CIDI case management system
• CIDI tickets must have “Functional Environment” = “Market Simulation Summer 2021” to be reviewed by ISO SMEs
Summer 2021 Release MAP Stage Connectivity Testing

- **Timeline**: April 26 – May 10
### Market Simulation Overview

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<th>Wk</th>
<th>Date</th>
<th>ISO</th>
<th>Market Participants</th>
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<tr>
<td>1</td>
<td>4/26-5/10</td>
<td>Mkt Sim Readiness Testing</td>
<td>Connectivity</td>
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<td>5/10-5/28</td>
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### Settlements TDs Tue/Thu  
Maintenance Friday

**Market Simulation Plan**  
**Market Simulation Settlements Calendar**

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<tr>
<th>Calendar Day</th>
<th>Day</th>
<th>CMRI T+1B</th>
<th>Submit Meter Data by T+2B 10:00 AM for Initial</th>
<th>Publish Initial Statement T+5B</th>
<th>Submit Meter Data by T+5B 18:00 for Recalc</th>
<th>Publish Recalc Statement T+8B</th>
<th>Publish Market Invoice</th>
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<td>28-May-21</td>
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<td>27-May</td>
<td>Monthly Initial 18-May -20-May</td>
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