



Market Simulation – Fall 2018 Release

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Sr. Change & Release Planner

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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

- Fall 2018 Release MAP Stage Availability
- Fall 2018 Release Market Simulation Initiatives & Timelines
- Initiatives
 - Commitment Cost Enhancements Phase 3
 - Energy Storage & Distributed Energy Resources Phase 2
 - Settlements Performance Improvements
 - Generator Contingency & Remedial Action Scheme Modeling
 - Congestion Revenue Rights Auction Efficiency – 1A
 - Energy Imbalance Market Enhancements 2018
 - Regional Integration & EIM Green House Gas Compliance
- Next Steps

Fall 2018 Release MAP Stage Availability

- Refer to MAP Stage portal <https://portalmap.caiso.com> for system availability information
- Current MAP Stage Scheduled Maintenance
 - None
- Upcoming MAP Stage Scheduled Maintenance
 - CMRI: 9/5 - 9/12
 - All Systems: 9/10 0900-1000 PT (Brief interruption for infrastructure maintenance)
- MAP Stage Weekly Maintenance Window
 - Monday 0700 PT thru Tuesday 0900 PT

Fall 2018 Release Market Simulation Initiatives & Timelines

Fall 2018 Release Initiatives	Start Date	Start Date (Trade Date)	End Date	Structured Simulation Start (Trade Date)	Expected Participation
Fall 2018 Release Market Simulation	8/20	8/20	10/31	9/5	
Commitment Cost Enhancements Phase 3	8/20	8/20	10/31	9/25	ISO Market Participants EIM Market Participants
ESDER Phase 2	8/20	8/20	10/31	9/5	ISO Market Participants EIM Market Participants
Settlements Performance Improvements	8/20	8/20	10/31	9/5	ISO Market Participants EIM Market Participants
Generator Contingency and RAS Modeling	9/17	9/17	10/31	9/26	ISO Market Participants EIM Market Participants
CRR Auction Efficiency – 1A	9/17	9/17	10/31	9/26	ISO Market Participants
EIM Enhancements 2018	9/17	9/17	10/31	9/26	EIM Market Participants
Green House Gas Enhancements for EIM	9/17	9/17	10/31	9/18	EIM Market Participants

Market Simulation Plan:

<http://www.caiso.com/Documents/MarketSimulationPlan-Fall2018Release.pdf>

Commitment Cost Enhancements Phase 3

- **Timeline:** August 20 – October 31
- **Structured:** September 25 – October 31
- **Market Simulation Overview Timeline & MP Preparation**
 - Wednesday, 9/5: Deadline for MPs to submit ULPDT in MAP-Stage.
 - 9/6-9/7: ISO to process the submitted ULPDTs. In MAP Stage, ISO will approve all ULPDTs for market simulation purposes only
 - 9/10: webinar planned to discuss CCE3 features and answer questions about the CCE3 changes
 - 9/12: CMRI reports available in MAP Stage for connectivity testing
 - 9/17-9/21: ISO to run opportunity cost calculation for October 2018
 - 9/25: ISO publishes in CMRI the
 - Actual usage of use limit type for records submitted into MAP Stage
 - Opportunity cost adders viewable in CMRI
 - 10/1: Opportunity costs available in SIBR for trade date 10/1

*CAISO has posted an updated version of the Commitment Cost Enhancements Phase 3 project market simulation structured scenario set version 1.4 which can be found at:

<http://www.caiso.com/Pages/documentsbygroup.aspx?GroupID=DD1EDC7D-9B5B-4834-B2A0-EA7DA307BE8D>

Energy Storage & Distributed Energy Resources

Phase 2

- **Timeline:** August 20 – October 31
- **Structured:** September 5 – October 31
- **MP Market Simulation Preparation Timeline**
 - ✓ 8/17: Deadline for MPs to request which of the 7 baselines they would like to see in market simulation for ISO to configure
 - ✓ 8/20-8/24: ISO to process the submitted requests for baselines
 - ✓ 8/27: MPs able to see processed baselines in their picklists
 - ✓ 8/27: MPs able to start registering resources using these baselines*
 - ✓ 8/28: first day any resource registrations will be effective**

*In MAP Stage, no UCD/LSE approval necessary for resource registrations to become effective

**In MAP Stage, resource registrations take effect one business day after submission

Settlements Performance Improvements

- **Timeline:** August 20 – October 31
- **Structured:** September 5 – October 31

Generator Contingency & Remedial Action Scheme Modeling

- **Timeline:** September 17 – October 31
- **Structured:** September 26 – October 31

Congestion Revenue Rights Auction Efficiency – 1A

- **Timeline:** September 17 – October 31
- **Structured:** September 26 – October 31

Energy Imbalance Market Enhancements 2018

- **Timeline:** September 17 – October 31
- **Structured:** September 26 – October 31

Regional Integration & EIM Green House Gas Compliance

- **Timeline:** September 17 – October 31
- **Structured:** September 18 – October 31

Next Steps

- The next teleconference is scheduled on Thursday, September 6 at 1400 PT

Reference Slides

ISO Market Simulation Support

- **Hours:** Monday thru Friday 0900-1800 PT
- **Market Simulation Coordinator Phone:** (916) 351-2205
- **ISO's 24x7 Service Desk:** (916) 351-2309 (Connectivity – UI or API)
- **Email:** MarketSim@caiso.com

Market Simulation Issue Management

- Submit all issues to the CIDI case management system
- CIDI tickets must have “**Functional Environment**” = “**Market Simulation Fall 2018**” to be reviewed by ISO SMEs

Fall 2018 Release Communication Plan

- **Schedule**

Monday	Tuesday	Thursday
All occurrences 1400-1500 PT		
August 20, 27 September 10, 17, 24 October 1, 8	September 4	August 16 (<i>first</i>), 23, 30 September 6, 13, 20, 27 October 4, 11 (<i>last</i>)

- **Connection Information**

- **Web Conference Information**

- Web Address: <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: 866-528-2256
 - International Dial-in: 216-706-7052
 - Access Code: 202 249 0

Stay Informed

Ways to participate in releases

- Visit the Release Planning page
 - <http://www.caiso.com/informed/Pages/ReleasePlanning/Default.aspx>
- Attend meetings
 - Release Users Group (RUG) bi-weekly meetings
 - Initiative status updates
 - System change updates on independent releases
 - Market Simulation calls
 - Visit the ISO calendar at www.caiso.com for meeting dates and times and add events to your calendar
 - Typically held on Mondays and Thursdays
 - Market sim calls for major releases will be market noticed
 - Market Performance and Planning Forum
 - Bi-monthly review of market performance issues
 - High level discussion of release planning, implementation and new market enhancements

What to look for on the calendar...

Calendar of Meetings, Training and Events

Month: February Year: 2018 Calendar View List View Print View

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	5 WebCONF: Market Simulation 2:00pm - 3:00pm	6 Training: Get to Know the ISO - Day 1 9:00am - 4:00pm WebCONF: Imbalance Conformance Enhancements 10:00am - 12:00pm WebCONF: Technical User Group 10:00am - 11:00am	7 Deadline: Comments - Interconnection Process Enhancements 2018 - Issue Paper and Meeting Discussion Training: Get to Know the ISO - Day 2 9:00am - 4:00pm Meeting: Flexible Resource Adequacy Criteria Must Offer Obligation Phase 2 - Revised Draft Flexible Capacity Framework 10:00am - 4:00pm WebCONF: Market Settlement User Group 10:00am - 11:00am	8 Meeting: Audit Committee Teleconference (Executive) 3:30am - 9:30am Training: Settlements 101 9:00am - 4:00pm Meeting: 2017-2018 Transmission Planning Process 10:00am - 4:00pm WebCONF: Market Simulation 2:00pm - 3:00pm	9 Training: Settlements 201 9:00am - 4:00pm	10
11 WebCONF: Participating Transmission Owner Per Unit Cost Guides 10:30am - 12:00pm WebCONF: Market Simulation 2:00pm - 3:00pm	12 Meeting: Congestion Revenue Rights Auction Efficiency 10:00am - 4:00pm WebCONF: Release User Group 10:00am - 11:00am Call: Energy Imbalance Market Governing Body Teleconference (Executive) 11:30am - 12:30pm	13 Deadline: Submissions - April 2018 Monthly Resource Adequacy and Supply Plans Call: Congestion Revenue Rights 11:00am - 11:30am WebCONF: Outage Management System Customer Partnership Group 2:00pm - 3:00pm	14 Deadline: Comments - Review Transmission Access Charge Structure Straw Proposal and Meeting Discussion Call: Board of Governors Teleconference (General) 3:15pm - 9:00am Call: Board of Governors Teleconference (Executive) 9:00am - 10:00am Call: Market Update 10:15am - 11:00am WebCONF: Market Simulation	15	16	17

Market Sim



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Release Users Group (RUG)



THANK YOU

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