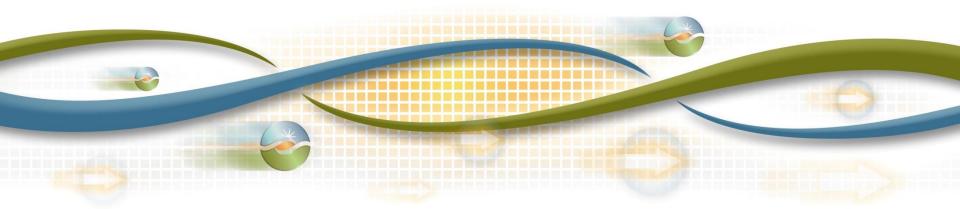# Market Simulation – Winter 2017 Release

Trang Deluca

Sr. Change & Release Planner

Winter 2017 Release Market Simulation

January 2, 2018

Agenda

- Winter 2017 MAP Stage Availability
- Winter 2017 Market Simulation Initiatives and Timelines
- Winter 2017 Release Market Simulation Focus
- Initiatives -
  - Winter 2017 -
    - EIM Enhancements Winter 2017
    - RSI 2017
- Winter 2017 Known Issues
- Next Steps
- Reference Slides

Winter 2017 Release MAP Stage Availability

Current MAP Stage Scheduled Maintenance –

– None

MAP Stage Weekly Maintenance Window - Monday's 09:00 - Tuesday 09:00

California ISO

Winter 2017 Release Market Simulation Initiatives and Timelines

Winter 2017 Release Initiatives	Start Date	Start Date (Trade Date)	End Date	Structured Simulation Start (Trade Date)	Expected Participation
Winter 2017 Release Market Simulation					
EIM Idaho Power Company	12/01/17	12/01/17	01/31/18	12/6/17	EIM Entities
EIM Powerex	12/01/17	12/01/17	01/31/18	1/3/18	EIM Entities
EIM Enhancements Winter 2017	12/01/17	12/01/17	01/31/18	1/10/18	EIM Entities
Reliability Services Initiatives 2017	12/05/17	12/05/17	01/31/18	12/5/17	ISO Market Participants

Market Simulation Plan – http://www.caiso.com/Documents/MarketSimulationPlan-Winter2017Release.pdf

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Winter 2017 Release Market Simulation Focus

Week	Dates (Tuesday thru Friday, Monday is Maintenance)	Focus
1	12/5-12/8	• EIM Idaho Scenarios • RSI CIRA and OMS only - Structured
2	12/12-12/15	• EIM Idaho Scenarios • RSI CIRA and OMS only - Structured
3	12/19-12/22	• EIM Idaho Scenarios • RSI CIRA and OMS only - Unstructured
4	12/26-12/29 (ISO Holiday 12/25-Monday)	• MAP-Stage available; unsupported • RSI CIRA and OMS only - Unstructured
5	1/2-1/5 (ISO Holiday 1/1-Monday)	• EIM Powerex Scenarios • EIM Idaho Scenarios • RSI CIRA and OMS only - Unstructured
6	1/9-1/12	• EIM Winter 2017 Scenarios • EIM Powerex Scenarios • RSI CIRA and OMS only - Unstructured
7	1/16-1/19 (ISO Holiday 1/15-Monday)	• EIM Powerex Scenarios • RSI/RAAIM End to End - Structured
8	1/23-1/26	• RSI/RAAIM End to End - Structured
9	1/30-1/31	• Unstructured Bid to Market Output

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EIM Enhancements Winter 2017

The EIM Enhancements Winter 2017 Market Simulation timeline –

EIM 2017: December 1 – January, 31 2018

Unstructured: December 1 – January 5, 2018

Structured: January 9 – January 12, 2018

Winter 2017 RSI

The Winter RSI Simulation timeline –

RSI 2017: December 5 – January 31, 2018

Structured: CIRA and OMS only December 5 – December 15; End to End January 16 – 19 and January 23 - 26, 2018

Unstructured: December 18 – January 12, 2018

- RSI Structured Scenarios - http://www.caiso.com/Documents/StructuredScenarios-Draft-ReliabilityServicesInitiative_2017.pdf
- RSI 2017 RA Plan (can also be downloaded from MAP-Stage CIRA) - http://www.caiso.com/Documents/ResourceAdequacyPlanTemplate_2018.xls
- RSI 2017 Supply Plan (can also be downloaded from MAP-Stage CIRA) - http://www.caiso.com/Documents/SupplyPlanTemplate_2018.xls
- **MPs to provision the new CIRA roles in AIM accordingly for your organization**:
    - app_cira_supplier_read_ext
    - app_cira_supplier_write_ext
    - AIM User Guide - http://www.caiso.com/Documents/AccessandIdentityManagement_AIM_UserGuide.pdf

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Winter 2017 RSI (Cont'd)

Planned Outage Substitution Obligation (POSO) Testing

- The ISO will establish a combination of System and LSE RA Obligation to such extent that all LSEs and additionally the System RA obligation will not be met for the month of January 2018. This will enable participants to simulate the scenario where a POSO is assigned to the participant.

Winter 2017 Known Issues

#	System	Summary	Status	Estimated Fix Date	CIDI #
1	SIBR	Current MAP-Stage rules don't support bids with ramp rates. Current ISO workaround is to remove ramp rates from the bids so the bids will be accepted. Issue will be corrected to allow bids with ramp rates to be consistent with current Production rules supporting ramp rates.	Resolved	12/19/17	N/A
2	CIRA	In 'Generic Obligation Report' and 'LSE Obligation Report' when ITIE data has RA for a subset of days, the system RA calculation should consider the Max RA for the ITIE resource for the month and instead is summing up the RA for the multiple rows when the RA is broken out by subset of days.	Open	TBD	199966

Next Steps

- The next teleconference will take place @ 14:00 PPT on Thursday, January 4, 2018

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Reference Slides

ISO Market Simulation Support

- **Hours -** 09:00 - 18:00, PST (Monday through Friday)
- **Mkt Sim Coordinator Phone -** (916) 351-2248
- **ISO's 24X7 Help Desk -** (916) 351-2309 (Connectivity - GUI or API)
- **Email -** MarketSim@caiso.com

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Market Simulation Issue Management

- Submit all issues to the CIDI case management system.
- CIDI tickets will need to have "Functional Environment" = **"Market Simulation Winter 2017"** to be reviewed by ISO SME's.

Winter 2017 Release Market Simulation Communication Plan

Schedule –
Mondays - December 4, 11, 18 and January 8, 22, and **Tuesdays** - January 2, 16, and **Thursdays** - December 7, 14, and January 4, 11, 18, 25.

Connection information –
Web Conference Information
Web Address (URL): http://ems7.intellor.com/login/714714
Audio connection instructions will be available after connecting to the web conference.

Telephone-Only Participation
Please only use this dial-in method if unable to participate by web to enhance the ability to participate in Q&A
Call in: 877-369-5230, Access Code: 0299083#

Technical Support
AT&T Connect support at 1-888-796-6118

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ISO System Access Documentation

- http://www.caiso.com/Documents/SystemAccessInformation_MarketParticipants.pdf

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ISO System Interface Change Summary

- http://www.caiso.com/Documents/SystemInterfaceChangeSummary.pdf