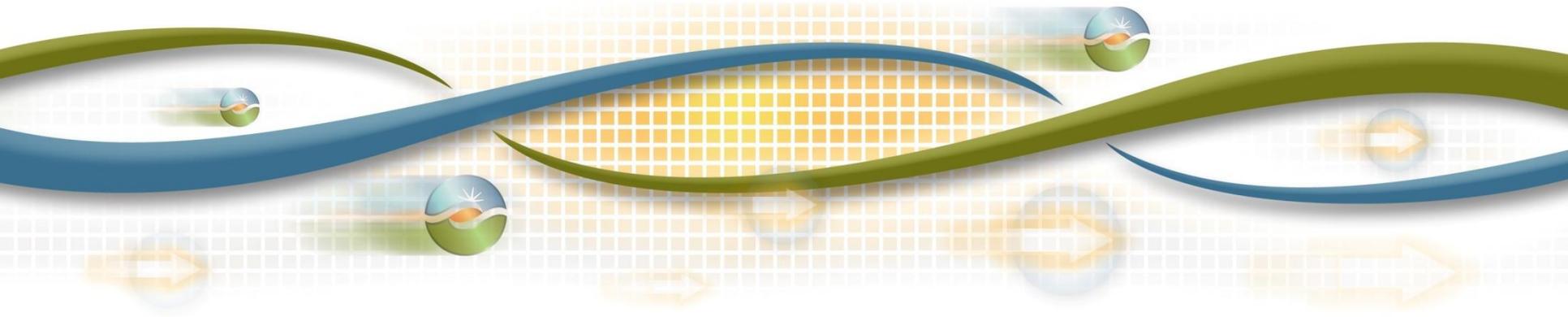




Market Simulation – Winter 2017 Release

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Lead Market Simulation Coordinator

Winter 2017 Release Market Simulation
December 4, 2017



Agenda

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

Winter 2017 Release MAP Stage Availability

Current MAP Stage Scheduled Maintenance –

None scheduled at this time.

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

Winter 2017 Release Market Simulation Initiatives and Timelines

<u>Winter 2017 Release Initiatives</u>	<u>Start Date</u>	<u>Start Date (Trade Date)</u>	<u>End Date</u>	<u>Structured Simulation Start (Trade Date)</u>	<u>Expected Participation</u>
<u>Winter 2017 Release Market Simulation</u>					
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	1/10/18	EIM Entities
EIM Enhancements Winter 2017	12/05/17	12/05/17	01/31/18	1/10/18	EIM Entities
Reliability Services Initiatives 2017	12/05/17	12/05/17	01/26/18	12/5/17	ISO Market Participants

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

Winter 2017 Release Market Simulation Focus

Week	Dates (Tuesday thru Friday, Monday is Maintenance)	Focus
1	12/5-12/8	<ul style="list-style-type: none"> • RSI/RAAIM CIRA and OMS only - Structured • EIM Idaho Scenarios
2	12/12-12/15	<ul style="list-style-type: none"> • RSI/RAAIM CIRA and OMS only - Structured • EIM Idaho Scenarios
3	12/19-12/22	<ul style="list-style-type: none"> • Unstructured End-to-End
4	12/26-12/29 (ISO Holiday 12/25-Monday)	<ul style="list-style-type: none"> • MAP-Stage available; unsupported
5	1/2-1/5 (ISO Holiday 1/1-Monday)	<ul style="list-style-type: none"> • Unstructured End-to-End
6	1/9-1/12	<ul style="list-style-type: none"> • EIM Winter 2017 Scenarios • EIM Powerex Scenarios • RSI/RAAIM CIRA and OMS only - Unstructured
7	1/16-1/19 (ISO Holiday 1/15-Monday)	<ul style="list-style-type: none"> • EIM Powerex Scenarios • RSI/RAAIM End to End - Structured
8	1/23-1/26	<ul style="list-style-type: none"> • RSI/RAAIM End to End - Structured
9	1/30-1/31	<ul style="list-style-type: none"> • Unstructured Bid to Market Output

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 8 – January 12, 2018

Winter 2017 RSI

The Winter RSI Simulation timeline –

RSI 2017: December 5 – January 26, 2018

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

Unstructured: December 18 – January 12, 2018

RSI Structured Scenarios -

http://www.caiso.com/Documents/StructuredScenarios-Draft-ReliabilityServicesInitiative_2017.pdf

RSI 2017 RA Plan -

http://www.caiso.com/Documents/ResourceAdequacyPlanTemplate_2018.xls

RSI 2017 Supply Plan -

http://www.caiso.com/Documents/SupplyPlanTemplate_2018.xls

RSI 2017 Scenario

Scenario Number	12/5 through 12/8 for December RA month 12/5 through 12/15 for January RA month	
1	Description	Suppliers & LSEs upload and download new RA & Supply plan templates (12/5, 12/6 for December, 12/5 – 12/15 for January)
	ISO Actions	ISO will run cross validation for generic and flexible RA from 12/7 for December and from 12/16 for January
	EIM Market Participant Actions	N/A
	ISO Market Participant Actions	<ol style="list-style-type: none"> 1) Validate annual and monthly plans 2) List local, system & flexible RA 3) Verify cross validation <ol style="list-style-type: none"> a. Verify listed local and local validation 4) Verify missing & late plans report 5) Verify system/local capping (internal to the ISO) 6) Validate RA plan warning 7) Validate RA report 8) Validate generic and flexible obligation report
	Expected Outcome	MPs are able to upload and download their RA and Supply plans
	Anticipated Settlement Outcome	N/A

RSI 2017 Scenario

Scenario Number	12/7 onwards for December and 12/16 onwards for January	
2	Description	Suppliers to validate planned outage substitution obligation
	ISO Actions	ISO runs OIA and POSO, ISO to verify CSRM output, Operational RA, OMS auto approves outages
	EIM Market Participant Actions	N/A
	ISO Market Participant Actions	Supplier should create planned outages with and without SNOO and OPOO Supplier to view OIA output <ul style="list-style-type: none"> a. MW impact b. Operational RA Supplier to view initial planned outage substitution obligation for RA (initial POSO). Check download to excel functionality which exports all outages considered for analysis Validate RAAIM Validate RA report
	Expected Outcome	Outages are visible in CIRA and planned outage substitutions obligation are as expected (POSO screen)
	Anticipated Settlement Outcome	RAAIM PC, CC 8830, and CC 8831

RSI 2017 Scenario

Scenario Number	12/7 onwards for December and 12/16 onwards for January	
3	Description	Suppliers to validate planned outage substitution obligation for new outages
	ISO Actions	ISO runs OIA and POSO, ISO to verify CSRM output, OMS auto approves outages
	EIM Market Participant Actions	N/A
	ISO Market Participant Actions	Supplier submits new outages Supplier changes outages submitted before T-25 Supplier to view latest POSO runs and changes in POSO Validate RAAIM Validate RA report
	Expected Outcome	Outages are visible in CIRA and planned outage substitutions obligation are as expected
	Anticipated Settlement Outcome	RAAIM PC, CC 8830, and CC 8831

RSI 2017 Scenario

Scenario Number	12/5 onwards	
4	Description	Supplier creates planned outage substitution
	ISO Actions	OMS auto approves outages
	EIM Market Participant Actions	N/A
	ISO Market Participant Actions	Supplier submits planned outage substitution for RA & CPM resources Validate RAAIM Validate RA report for outage resource and substitute resource Validate reduction in POSO assignment
	Expected Outcome	Outages are visible in CIRA
	Anticipated Settlement Outcome	RAAIM PC, CC 8830, and CC 8831

RSI 2017 Scenario

Scenario Number	12/5 onwards	
5	Description	Supplier submits forced outage substitution
	ISO Actions	OMS auto approves outages
	EIM Market Participant Actions	N/A
	ISO Market Participant Actions	Supplier submits forced outage substitution or RA & CPM resources Validate local and system split For RA & CPM resources Validate RAAIM Validate RA report
	Expected Outcome	Outages are visible in CIRA
	Anticipated Settlement Outcome	RAAIM PC, CC 8830, and CC 8831

RSI 2017 Scenario

Scenario Number	1/9/18 – Offers available in OASIS	
6	Description	CSP Offer Publication
	ISO Actions	ISO will manipulate all participant provided CSP offers for 2017 December and 2018 January to back date to the 15 month rolling window, by 1/9/2018
	EIM Market Participant Actions	N/A
	ISO Market Participant Actions	Submit CSP offers for Annual, Monthly Intramonthly CSP offers for (December 2017 and January 2018) Offers must be submitted in CIRA by 12/15/17
	Expected Outcome	Offers available on OASIS
	Anticipated Settlement Outcome	N/A

Next Steps

- The next teleconference will take place @ 14:00 PPT on Thursday, December 7, 2017

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

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** - December 26, and January 2, 16, and **Thursdays** - December 7, 14, 21, 28 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

ISO System Access Documentation

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