Market Simulation – Spring 2018 Release

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Agenda

- MAP Stage Availability
- Initiatives and Timelines
- Initiatives
    - RAAIM Scalable
- Known Issues
- RAAIM Scalable Deployment
- Next Steps
- Reference Slides

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Spring 2018 MAP Stage Availability

Current MAP Stage Scheduled Maintenance

- None at this time

MAP Stage Weekly Maintenance Window

- Monday 0900 – Tuesday 0900

Spring 2018 Release Market Simulation Initiatives and Timelines

Spring 2018 Release Initiatives	Start Date	Start Date (Trade Date)	End Date	Structured Simulation Start (Trade Date)	Expected Participation
Spring 2018 Release Market Simulation					
RAAIM Scalable	May 7, 2018	May 8, 2018	May 11, 2018	N/A	ISO Market Participants

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The RAAIM Scalable Simulation timeline continuation –

RAAIM Scalable: May 7, 2018 - May 11, 2018

- Configuration change related to Generic Availability calculation in the RAAIM Precalc
- 2-day mini-monthly run for trade dates May 9 - 10, 2018
- CAISO will be uploading Market Data from May 1 - 2, 2018 into MAP Stage for May 9 - 10, 2018 trade dates tonight, May 3, 2018
- MPs may submit outages and substitutions after CAISO upload for scenario testing no earlier than May 4, 2018 and by COB, May 7, 2018 in order to be captured by DA Market run
- Draft BPM - http://www.caiso.com/Documents/CGPCRAAvailabilityIncentiveMechanism_56.doc
- RA & Supply plans copied into MAP Stage from Production for the month of May; May 3, 2018

The change implements the fix to the incorrect generic availability calculation which did not reduce the total bids by the amount already used for flexible capacity obligation.

The existing generic availability calculation did not implement the following business rule correctly.

5.8	A resource's generic availability is equal to:
	(a) the resource's total submitted bid less the portion of: (economic bid plus eligible EFC pmin used for flexible availability), but no greater than
	(b) the positive value of generic RA obligation minus flexible RA obligation.

The existing formula used item (b), but failed to reduce the total bid by the bid already used for flexible category availability. The formula fix simply includes that flex availability reduction to the total bid in order to satisfy item (a), and fully implement the above business rule

RAAIM Scalable Settlements Calendar

Calendar Day	CMRI T+1B	Publish Initial Statement T+4B	Submit Meter Data by T+4B 18:00 for Recalc	Publish Recalc Statement T+8B	Publish Market Invoice
7-May-18					
8-May-18					
9-May-18					
10-May-18	9-May-18				
11-May-18	10-May-18				
12-May-18					
13-May-18					
14-May-18					
15-May-18		9-May-18			
16-May-18		10-May-18			
17-May-18		9-May - 10-May			
18-May-18					
19-May-18					
20-May-18					
21-May-18					
22-May-18		9-May-18 and 9-May - 10-May-18			
23-May-18					
24-May-18					
25-May-18					
26-May-18					

Known Issues -

#	System	Summary	Status	Estimated Fix Date	CIDI #
1	CIRA	The CAISO has determined that the DA Flex capacity payload from CIRA failed for the 5/9 trade date, resulting in inaccurate RAAIM calculations for that date.	Resolved	5/22/18	204223

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RAAIM Scalable Production Deployment

Deployment Schedule –

To be deployed to Production - May 30, 2018

RAAIM Scalable Activation - June 1, 2018

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Next Steps

- The next teleconference will take place @ 13:00 PPT on Thursday May 31, 2018

Reference Slides

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THANK YOU

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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.

ISO System Access Documentation

- http://www.caiso.com/Documents/SystemAccessInformation_Market Participants.pdf

ISO System Interface Change Summary

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

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