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Spring 2013 Release
March 28th, 2013
Agenda

• Market Simulation Initiatives and Timelines
• MAP Stage Availability
• Local Market Power Mitigation (LMPM) Enhancements Phase
• FERC 755 - Pay for Performance (PFP) Regulation Initiative
• Multi-Stage Generation (MSG) Enhancements Phase 3
• Price Inconsistency Market Enhancements (PIME)
• Mandatory Multi-Stage Generation (MSG)
• FERC Order 745 - Changes to the DR Compensation for PDR
• Next Steps
• Reference Slides
Spring 2013 Release Market Simulation Initiatives and Timelines

Local Market Power Mitigation (LMPM) Enhancements Phase 2 – 3/11 - 3/22 (Structured Simulation)

FERC 755 - Pay for Performance (PFP) Regulation – 3/11 - 3/22 (Structured Simulation)

Multi-Stage Generation (MSG) Enhancements Phase 3 – 3/11 - 3/22 (Unstructured Simulation)

Price Inconsistency Market Enhancements (PIME) – 3/11 - 3/22 (Unstructured Simulation)

Mandatory Multi-Stage Generation (MSG) – One week a month from now until October, 1st. We will settle the third Thursday of each month in conjunction with our week long unstructured test (Unstructured Simulation)

Replacement Requirement for Schedule Generation Outages (RRSGO) Phase 2 - TBD
MAP Stage Availability

MAP Stage Spring Release Daily Maintenance Window - 16:00 - 20:00 PPT

MAP Stage Weekly Maintenance Window - Thursday’s, 09:00 – 20:00 PPT
Local Market Power Mitigation (LMPM) Enhancements Phase 2 Simulation Timeline

The Local Market Power Mitigation (LMPM) Enhancements Phase 2 Simulation timeline –

- LMPM Enhancements Phase 2 Simulation Schedule Dates: 3/11 - 3/22
- LMPM Enhancements Phase 2 Transmission NC congested interfaces request cutoff: (TBD)
- LMPM Enhancements Phase 2 Structured Scenario Execution Date: Scenario #2 re run, 4/3.
- LMPM Enhancements Phase 2 Settlements: 3/12 - 3/14 and 3/19 - 3/21

LMPM Enhancements Phase 2 Market Simulation Structured Scenarios -

- Please note - Exceptional Dispatch Mitigation in Real-Time component of the LMPM Enhancements Phase 2 initiative, scheduling and exceptional dispatch can be requested via email at MarketSim@caiso.com
LMPM2– Market Simulation Scenario

• Objective

The main objective of the simulation is to demonstrate LMPM Phase 2 functionality –

• Mitigation of generating resources with negative shift factor with respect to Not-competitive congested interfaces for HASP hour, and for 2 interval RTPD.

• For 2\textsuperscript{nd} interval LMPM, to demonstrate that a bid mitigated in previous RTPD is used as a base by following RTPDs 2\textsuperscript{nd} interval LMPM, and it can be mitigated only farther.
LMPM2– Market Simulation Scenario

• Market Simulation scenario #2 executed on 3/20 and #1 on 3/21.
• CA ISO created a scenario where pre-selected Transmission Interfaces were congested and DCPA module defined the interfaces as Not-Competitive.
• Number of resources whose output contributed in counterflow of congested interfaces were mitigated.
• Mitigation was correct with respect to level of resource output CC LMP and NC LMP.
• Outgoing market information was published and available on OASIS, CMRI for scenario #1, ISO experienced a system issue with scenario #2 and not all results are available downstream.
FERC 755 - Pay for Performance (PFP) Regulation Simulation Timeline

The FERC 755 - Pay for Performance (PFP) Regulation Simulation timeline –

• FERC 755 - (PFP) Simulation Schedule Dates: 3/11 - 3/22
• FERC 755 - (PFP) Structured Scenario Execution Dates: 3/14
• FERC 755 - (PFP) Settlements: 3/12 - 3/14 and 3/19 - 3/21

FERC 755 - Pay for Performance (PFP) Regulation Market Simulation Structured Scenario -
Multi-Stage Generation (MSG) Enhancements Phase 3 Simulation Timeline

The Multi-Stage Generation (MSG) Enhancements Phase 3 Simulation timeline –

- MSG Enhancements Phase 3 Simulation Schedule Dates: 3/11 - 3/22
- MSG Enhancements Phase 3 Unstructured Scenario Execution Dates: 3/11 - 3/22
Price Inconsistency Market Enhancements (PIME) Simulation Timeline

The Price Inconsistency Market Enhancements (PIME) Simulation timeline –

- Price Inconsistency Market Enhancements Simulation Schedule Dates: 3/11 - 3/22
- Price Inconsistency Market Enhancements Unstructured Scenario Execution Dates: 3/11 - 3/22
Mandatory Multi-Stage Generation (MSG) Simulation Timeline

The Mandatory Multi-Stage Generation (MSG) Simulation timeline –

- Mandatory MSG Simulation Schedule Dates: One week a month from now until October, 1st. We will settle the third Thursday of each month in conjunction with our week long unstructured test.
Spring 2013 Release – DR Net Benefits Test
FERC Order 745 Compliance – DR compensation in organized wholesale Markets

FERC Order 745 unstructured scenarios– The Settlements code for FERC 745 is available for Scheduling Coordinators to test

- Change Settlement Charge Codes (RT Energy Pre-Calc, CC6806)
- Code is currently active in Map Stage
- Code will be deployed into production 3/25/2013 and the activation date is retroactive to December 15, 2011
- Any requests for unstructured scenarios will be considered on a case by case basis.

Note: There has been no change to DRS as a result of these settlement code changes.
Next Steps

• The next teleconference will take place at 13:00 PPT on Monday, April 1\textsuperscript{st}, 2013.
Reference Slides
Spring 2013 Release Market Simulation Plan

• [http://www.caiso.com/ Documents/Spring%202013%20release%20plans](http://www.caiso.com/Documents/Spring%202013%20release%20plans)