Market Simulation Overview of the Spring Release Local Market Power Mitigation (LMPM) Phase 1 Enhancements, Multi Stage Generation (MSG) Enhancements Phase 2 and Reliability Demand Response Product (RDRP) Final Scenario

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Market Simulation Coordinator

2012 Spring Release
February 16th, 2012
Agenda

- LMPM Spring Release Market Simulation Planning
- RDRP End to End Scenario
- MSG Enhancements Phase 2
- Spring Release Market Simulation Schedule
- MAP Stage Availability
- Next Steps
- Reference Slides
LMPM Phase 1 Enhancement Schedule

The LMPM Simulation timeline –

- LMPM Phase 1 Enhancements Kickoff call: 2/2
- LMPM Phase 1 Enhancements Connectivity Testing: 2/6 – 2/13
- LMPM Phase 1 Registration of Corporate Affiliation and Resource Control Agreement Submittal Due Date: 2/6
- LMPM Phase 1 List of Transmission Interfaces Submittal Due Date: 2/6
- LMPM Phase 1 Enhancements Market Simulation Dates: 2/14 – 3/2
- LMPM Structured Scenario Execution: DA 2/14 – 2/24, RT 2/27 – 3/1
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LMPM Phase 1 Scenario 2, 3 and 4 Transmission interfaces

- **Scenario #2, TD 2/16/2012. Flowgate Congestion.**
  - 32218_DRUM_115_32244_BRNSWK1T2_115_BR_2_1 - from HE 0 to HE08
  - 30005_ROUND_MT_500_30015_TABLE_MT_500_BR_1_1(2) - from HE 09 to HE15
  - 30060_MIDWAY_500_24156_VINCENT_500_BR_1(2)_2 - from HE 16 to HE24

- **Scenario #3, TD 2/17/2012, TCOR congestion**
  - PATH26_BG - some hours during the TD, or all of them.

- **Scenario #4, TD 2/18/2012, Nomogram congestion.**
  - TMS_DLO_NG – hours between HE 1 and 12
  - T-133 METCALF_NG - hours between HE 13 and 24
The RDRP Simulation timeline –

- RDRP End to End Structured Scenario Schedule Kickoff call: TBD
- RDRP End to End Structured Scenario Schedule Dates: TBD
- RDRP End to End Structured TD to be Settled: TBD

FERC has rejected ISO’s Reliability Demand Response Resource filing. The ISO will review FERC’s comments and provide an update at a later date as to how the ISO will move forward with this functionality.
MSG Enhancements Phase 2

The MSG 2 Simulation timeline –

• MSG 2 Simulation Kickoff call: 3/1
• MSG 2 Simulation Schedule Dates: 3/5 – 3/9
• MSG 2 Simulation RDT Due Date: 2/15
Spring Release MAP Stage Availability

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

MAP Stage Weekly Maintenance Window: Thursday’s, 09:00 - 20:00
2012 Spring Release Market Simulation Schedule

- LMPM Phase 1 Market Simulation: 2/14 - 3/2
- LMPM Phase 1 Kick Off Call: 2/2

- MSG Enhancements Phase 2 Market Simulation: 3/5 - 3/9
- MSG Enhancements Phase 2 Kick Off Call: 3/1
Next Steps

- The next teleconference will take place at 13:00 PPT on Thursday, February 23rd, 2012.
Spring Release Communication Plan

• Twice-weekly Checkpoint (Status)
  – Mondays and Thursdays: Teleconference
    • Time: 13:00-15:00 PPT
    • Domestic: (800) 288-8967
    • International: (612) 332-0345
    • Access Code: N/A
  – Mondays and Thursdays: WebEx
    • URL: www.webmeeting.att.com
    • Meeting Number: 8665282256
    • Access Code: 9365289
LMPM Phase 1 Registration Requirements
Affiliate Disclosure Form (section 4.5.1.1.12)

• Are you affiliated with any other SC in the CAISO Markets?
  – If Yes, then you need to disclose this information to the ISO, if not already done so. (optional* for Market Simulation)
  – If not, then you need to tell us that you are not Affiliated with any other SC (optional* for Market Simulation)
  – All SC_IDs associated with an SC automatically become affiliated unless the ISO is told otherwise.

• Due Date for Market Simulation?
  – For guaranteed availability by the start of Market Simulation, forms are due by COB 02/06/2012

* Submission is not mandatory unless the SC wants to test a certain scenario like Net Buyer / Net Seller Status etc.
LMPM Phase 1 Registration Requirements
Resource Control Agreement Form (Section 4.5.1.1.13)

• **What is a Resource Control Agreement?**
  
  An agreement that gives an entity bidding, scheduling, and/or operational control over a physical resource owned by or under contract to another entity, or otherwise directs the manner in which such a resource participates in the ISO markets.

  - Submission of Resource Control Agreement is Optional for Market Simulation unless an SC would like to test a certain scenario
  
  - **Example:**

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<td>ABCD</td>
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• **Due Date?**

  – For guaranteed availability by the start of Market Simulation, forms are due by **COB 02/06/2012**
LMPM Affiliate Form FAQ’s

• If an SC has filled out an affiliate form in the past (i.e. via CRR or CB process), do they need to complete the Generation Affiliate Disclosure form for the LMPM effort?
  – Yes

• What is the difference between the Affiliate Disclosure for LMPM and the Affiliate Disclosure that is completed for CRR/CB registration?
  – This is a new requirement for SCs to complete the Affiliate Disclosure. Previously the requirement was for CRR entities and Convergence Bidding entities, that may or may not be an SC

• What should an SC do if an affiliate is not listed on the Affiliate Disclosure form?
  – Disclose the affiliate by adding the entity name to the form
LMPM Affiliate Form FAQ’s

• An SC completed an affiliate form in the past, and needs to update it. Can the ISO send what was submitted in the past, to have a starting point?
  – Yes
• If an SC is also an agent for another SC; is the ‘agent’ relationship considered an affiliation?
  – No
• An SC completed the 2012 Generation Ownership and Tolling Agreement survey in January ’12; do they need to complete the Resource Control Agreement form?
  – Yes
• If an SC completes the forms for Market Simulation, do they need to send the forms in again for production?
  – Yes – mostly likely the form will be revised for production
The LMPM Phase 1 Enhancements Market Simulation Plan –

The LMPM Phase 1 Enhancements Market Simulation Scenarios –

The LMPM Phase 1 Enhancements Market Simulation Scenario FAQ’s

Registration Form for Affiliate Disclosure and Resource Control Agreement
http://www.caiso.com/Documents/SchedulingCoordinatorAffiliationResourceControlAgreementDisclosureForm.xls