Market Simulation Overview of the Spring Release Local Market Power Mitigation (LMPM) Phase 1 Enhancements and Multi Stage Generation (MSG) Enhancements Phase 2

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2012 Spring Release
March 5\textsuperscript{th}, 2012
Agenda

- LMPM Spring Release Market Simulation Planning
- MSG Enhancements Phase 2
- 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
- LMPM Unstructured Scenario Execution Per Request: TD 3/6 with Settlement run
LMPM Phase 1 Enhancement Production Schedule
Registration Requirements

On 03/01, FERC Approved the ISO’s Nov 16, 2011 Tariff filing for a Trade Date 04/11 Implementation date

✓ 02/14 – Updated SC Certification BPM (PRR 538)
  – Refer to sections 5.3.15, 5.3.15.1 and 5.3.15.2. Attachment E provides examples.
• 03/05 – ISO releases Production version of the SC Affiliate form and Resource Control Agreement disclosure form. *Walkthrough of the form at the end of today’s call*
• 3/23 – Disclosure forms submission due date
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 Structured Scenario Execution Date: TD 3/6
• MSG 2 Simulation RDT Due Date: 2/15

MSG Enhancements Phase 2 Market Simulation Plan –
## MSG Enhancements Phase 2 Scenarios

<table>
<thead>
<tr>
<th>Scenario Number</th>
<th>MSG Enhancement Structured Scenarios to be executed TD 3/6</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Description: Meter is higher than the Eligible Configuration.</td>
</tr>
<tr>
<td></td>
<td>ISO Actions: ISO creates DAM and RTM bids for MSG resources. RTM configuration is higher than DAM. Meter will be higher than the RTM configuration.</td>
</tr>
<tr>
<td></td>
<td>SC Actions: Verify market results and settlement statements.</td>
</tr>
<tr>
<td></td>
<td>Expected Outcome: The SC will receive the MLC cost at the configuration based on meter.</td>
</tr>
<tr>
<td></td>
<td>Anticipated Settlement Outcome: CC 6620</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Scenario Number</th>
<th>MSG Enhancement Structured Scenarios to be executed TD 3/6</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Description: Meter is lower than the Eligible Configuration.</td>
</tr>
<tr>
<td></td>
<td>ISO Actions: ISO creates DAM and RTM bids for MSG resources. RTM configuration is higher than DAM. Meter will be lower than the RTM configuration.</td>
</tr>
<tr>
<td></td>
<td>SC Actions: Verify market results and settlement statements.</td>
</tr>
<tr>
<td></td>
<td>Expected Outcome: The SC will receive the MLC cost at the configuration based on meter.</td>
</tr>
<tr>
<td></td>
<td>Anticipated Settlement Outcome: CC 6620</td>
</tr>
</tbody>
</table>
# MSG Enhancements Phase 2 Settlement Calendar

<table>
<thead>
<tr>
<th>Calendar Day</th>
<th>Day</th>
<th>TD to be Settled</th>
<th>Publish MQS T+1B</th>
<th>Publish Settlement Stmt T+5B</th>
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</thead>
<tbody>
<tr>
<td>Market Simulation START</td>
<td></td>
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</tr>
<tr>
<td>05-Mar-12</td>
<td>Monday</td>
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<td></td>
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<tr>
<td>06-Mar-12</td>
<td>Tuesday</td>
<td>3/6/2012</td>
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</tr>
<tr>
<td>07-Mar-12</td>
<td>Wednesday</td>
<td></td>
<td>3/6/2012</td>
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</tr>
<tr>
<td>08-Mar-12</td>
<td>Thursday</td>
<td></td>
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</tr>
<tr>
<td>09-Mar-12</td>
<td>Friday</td>
<td></td>
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</tr>
<tr>
<td>Market Simulation END</td>
<td></td>
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</tr>
<tr>
<td>10-Mar-12</td>
<td>Saturday</td>
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<tr>
<td>11-Mar-12</td>
<td>Sunday</td>
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</tr>
<tr>
<td>12-Mar-12</td>
<td>Monday</td>
<td></td>
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</tr>
<tr>
<td>13-Mar-12</td>
<td>Tuesday</td>
<td></td>
<td>3/6/2012</td>
<td></td>
</tr>
<tr>
<td>14-Mar-12</td>
<td>Wednesday</td>
<td></td>
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<tr>
<td>15-Mar-12</td>
<td>Thursday</td>
<td></td>
<td></td>
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<tr>
<td>16-Mar-12</td>
<td>Friday</td>
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</tbody>
</table>
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
Next Steps

• The next teleconference will take place at 13:00 PPT on Thursday March 8th, 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](http://www.webmeeting.att.com)
    - Meeting Number: 8665282256
    - Access Code: 9365289
ISO System Access Documentation

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:**

    | Resource_ID | From_SC (SC_ID) | To_SC (SC_ID) | Start_Date     | End_Date        |
    |-------------|-----------------|--------------|----------------|-----------------|
    | Gen_ABC     | ABCD            | WXYZ         | 02/14/2012     | 12/31/2012      |

• **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