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

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2012 Spring Release
February 2\textsuperscript{nd}, 2012
Agenda

• LMPM Spring Release Market Simulation Planning
• RDRP End to End Scenario
• Spring Release Market Simulation Schedule
• 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 Enhancements Market Simulation Dates: 2/14 – 3/2
- LMPM Structured Scenario Execution: 2/14 – 2/24
- LMPM Unstructured Testing: 2/27 – 3/2

Scenario execution dates are yet to be determined, these will be publish in a later version of the Market Simulation plan as well as the Structured Scenarios will be reviewed on the Market Simulation call taking place February 9th, 2012.
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.
  – If not, then you need to tell us that you are not Affiliated with any other SC
  – 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**
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.

Example:

<table>
<thead>
<tr>
<th>Resource_ID</th>
<th>From_SC (SC_ID)</th>
<th>To_SC (SC_ID)</th>
<th>Start_Date</th>
<th>End_Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gen_ABC</td>
<td>ABCD</td>
<td>WXYZ</td>
<td>02/14/2012</td>
<td>12/31/2012</td>
</tr>
</tbody>
</table>

Due Date?

- For guaranteed availability by the start of Market Simulation, forms are due by COB 02/06/2012
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/Local%20market%20power%20mitigation%20enhancements%20-implementation
RDRP End to End Structured Scenario Schedule

The RDRP Simulation timeline –

- RDRP End to End Structured Scenario Schedule Kickoff call: 2/16
- RDRP End to End Structured Scenario Schedule Dates: 2/21 – 2/29
- RDRP End to End Structured TD to be Settled: 2/24

RDRP Project Documentation can be found here –
## RDRP End to End Structured Scenario

<table>
<thead>
<tr>
<th>Scenario Number</th>
<th>RDRP Structured Scenario #3 will be executed February 21\textsuperscript{st} – February 29\textsuperscript{th} with Trade Date February 24\textsuperscript{th} being settled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>End to End RDRR Process</td>
</tr>
</tbody>
</table>
| ISO Actions     | ISO to follow the following steps in order -  
1. TD -2B ISO approves resource modification on MP's behalf if applicable  
2. TD -1B ISO dispatches the resources  
3. TD ISO dispatches the resources  
4. TD +1B ISO runs Performance in DRS system  
5. TD +2B ISO publishes settlement statement |
| SC Actions      | Please follow the following steps in order -  
1. TD -2B MP's register their previously identified resource in DRS  
2. TD -2B MP's approve their resource modifications  
3. TD -1B MP's submit bids on the modified resource  
4. TD MP's submit meter data to the DRS system  
5. TD +2B MP's validate their settlement statement |
| Expected Outcome| DRS correctly calculates the resources’ performance. Settlements correctly calculates the charges/credits per the resources’ performance. |
| Anticipated Settlement Outcome | Impacted Charge Codes are CC 6470 and 6475 |
Spring Release MAP Stage Availability

Current MAP Stage Scheduled Maintenance: 2/8 and 2/9 outage

MAP Stage Spring Release Daily Maintenance Window: 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 Monday, February 6\textsuperscript{th}, 2012.
Spring Release Communication Plan

- Twice-weekly Checkpoint (Status)
  - Mondays and Thursdays: Teleconference
    - Time: 13:00-15:00 PPT
    - Domestic: (800) 230-1092
    - International: (612) 234-9960
    - Access Code: N/A
  - Mondays and Thursdays: WebEx
    - URL: www.webmeeting.att.com
    - Meeting Number: 8665282256
    - Access Code: 9365289