Market Simulation Fall 2013 Release

Christopher McIntosh
Lead Market Simulation Coordinator

Fall 2013 Release
September 19th, 2013
Agenda

• Market Simulation Initiatives and Timelines
• MAP Stage Availability
• Ancillary Services (AS) Forced Buy Back Simulation
• Commitment Cost Refinements 2012 Simulation
• Replacement Requirements for Schedule Generation Outages Phase 2 Annual Only
• Next Steps
• Reference Slides
Fall 2013 Release Market Simulation Initiatives and Timelines

**AS Buy Back** - TD 9/10/13 – 9/13/13 (Structured/Unstructured Simulation)

**Commitment Cost Refinements 2012** - TD 9/10/13 – 9/13/13 (Unstructured Simulation)

**RRSGO Phase 2 Annual Only** - 8/26/13 – 8/29/13 and 9/9/13 – 9/13/13 (Unstructured Simulation)


**CMRI CRN API** - 9/9/13 – 9/13/13
MAP Stage Availability

MAP Stage Fall Release Daily Maintenance Window - 16:00 - 20:00

MAP Stage Weekly Maintenance Window - Thursday’s, 09:00 - 20:00
Ancillary Services (AS) Forced Buy Back Simulation Timeline

The AS Forced Buy Back Simulation timeline –

- AS Forced Buy Back Structured Scenario Execution Date: 9/12
- Registration Deadline: Market Participants should provide resource registrations and ancillary services types for scenarios 1 and 2 identified in the Structured Scenario document by August 16th, 2013, the ISO will accept one type and one resource per SCID per scenario.

- Link to Market Notice for Registration Deadline and Structured Scenario Publication -
- Link to Structured Scenarios -
Ancillary Services (AS) Forced Buy Back Scenario Review

- AS Buy Back Scenario 1 and 2 successfully executed on TD 9/12.
- DAM results were published for TD 9/12 with resources (selected by Market participants) awarded Ancillary services.
- Scenario 1: MPs submitted outage and market did not award any Ancillary services for the outage period.
- Scenario 2: ISO entered ‘Transmission constraint’ AS buyback for 9:45 to 12:00 and 17:00 to 18:00 for various resources. Market respected the AS buy back constraint and did not award AS.
Commitment Cost Refinements 2012 Simulation Timeline

The Commitment Costs Refinements 2012 Simulation timeline –

• Commitment Cost Refinements 2012 Simulation Schedule Dates: 9/9 - 9/13
• Commitment Cost Refinements 2012 Unstructured Execution Dates: 9/9 - 9/13

• Registration Deadline: Market participants should submit a value for the new Major Maintenance Adder (MMA) if they would like to participate in the unstructured simulation. If no value is submitted, the MMA value for Market Simulation will be set to zero. The ISO is limiting resources to one Multi Stage Generation (MSG) resource and one non MSG resources per Scheduling Coordinator Identification (SCID) for this market simulation, due by August 22.

Replacement Requirements for Schedule Generation Outages Phase 2 Annual Only Simulation Timeline

The Replacement Requirements for Schedule Generation Outages Phase 2 Annual Simulation timeline –

- RRSGO Phase 2 Annual Only Simulation Schedule Dates: 8/26/13 - 8/29/13 and 9/9/13 - 9/13/13
- RRSGO Phase 2 Annual Only Unstructured Execution Dates: 8/26/13 - 8/29/13 and 9/9/13 - 9/13/13

Next Steps

• The next teleconference will take place at 13:00 PPT on Monday, September 23rd, 2013.
Reference Slides

Reference Slides
Fall 2013 Release Market Simulation Plan

ISO System Access Documentation

ISO Market Simulation Support

- **Hours** - 09:00 - 18:00, PPT (Monday through Friday)
- **Phone** – (530) 518 - 8539
- **ISO’s 24X7 Help Desk** - (916) 351-2309 (Connectivity, Endpoints)
- **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 Fall 2013” to be reviewed by ISO SME’s.
# Communication Plan

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Call-in Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>13:00 - 15:00 PPT</td>
<td>Call-in Number: 800-230-1085 International Call-in: 612-234-9960</td>
</tr>
<tr>
<td>Thursday</td>
<td>13:00 - 15:00 PPT</td>
<td>Call-in Number: 800-230-1085 International Call-in: 612-234-9960</td>
</tr>
</tbody>
</table>

## WebEx Information

- **Web Address (URL):** [www.webmeeting.att.com](http://www.webmeeting.att.com)
- Meeting Number: 8665282256
- Access Code: 9365289
## Fall 2013 Release OASIS Impacted Web Service’s

<table>
<thead>
<tr>
<th>OASIS Report</th>
<th>Release</th>
<th>Affected API</th>
<th>Availability as of Fall 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAISO Demand Forecast</td>
<td>Fall 2013</td>
<td>Updated CAISO Demand Forecast report under the system demand section to include 7-DA forecast data elements</td>
<td>New SYS_FCST_7DA_MW available via API</td>
</tr>
</tbody>
</table>
| Mileage Calculation Components    | Fall 2013 | Added sample Singlezip AP URLs for AS_MILEAGE_CALC and SLD_FCST APIs  
Added AS_MILEAGE_CALC API details under Ancillary section | New Mileage Calculation Components API                                         |
| System Ramping Nomogram Results   | Fall 2013 | Updated the System Ramping Nomogram Results to rename the element mkt_start_he to int_opr_hr to match with csv data set                                                                                      | Defect fix for API to match CSV.                                                          |

OASIS Technical Specs – [http://www.caiso.com/Documents/Fall%202013%20release%7COASIS%20technical%20specifications](http://www.caiso.com/Documents/Fall%202013%20release%7COASIS%20technical%20specifications)
## Fall 2013 Release CMRI Impacted Web Service’s

<table>
<thead>
<tr>
<th>CMRI Report</th>
<th>Release</th>
<th>Affected API Versions</th>
<th>Availability as of Fall 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contract Reference Number (CRN)</td>
<td>GoLive</td>
<td>XML Downloads via Secure File Transfer Protocol (SFTP) site</td>
<td>Last Trade Date: One month after Fall 2013 deployment</td>
</tr>
<tr>
<td></td>
<td>Fall 2013</td>
<td>RetrieveContractUsage_PTRv1_AP RetrieveContractUsage_PTRv1_DocAttach_AP</td>
<td>SFTP Access: To be decommissioned two months after Fall 2013 deployment</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>New version will be supported</td>
</tr>
</tbody>
</table>

ISO’s Market Simulation Training

<table>
<thead>
<tr>
<th>Date</th>
<th>Training</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 22nd, 2013</td>
<td>Commitment Cost Refinements 2013</td>
</tr>
<tr>
<td>August 22nd, 2013</td>
<td>RI-MPR with BCR-Post Emergency</td>
</tr>
<tr>
<td>August 22nd, 2013</td>
<td>Replacement Requirements for Scheduled Generation Outages (RRSGO)</td>
</tr>
<tr>
<td>August 22nd, 2013</td>
<td>Phase 2 Annual</td>
</tr>
</tbody>
</table>


**Training Details**
Date: Thursday August 22, 2013  
Time: 1:00 p.m. to 4:00 p.m. (Pacific Time)

**Teleconference Information**
United States: 800-230-1096  
International: 612-288-0340

**Web Conference Information**
Web Address: [www.webmeeting.att.com](http://www.webmeeting.att.com)  
Meeting Number: 866-205-4243  
Access Code: 4011761
## Market Simulation Settlements Calendar

<table>
<thead>
<tr>
<th>Calendar Day</th>
<th>CMRI T+1B</th>
<th>Publish Initial Statement T+6B</th>
<th>Publish Market Invoice</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Market Simulation START</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09-Sep-13</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10-Sep-13</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11-Sep-13</td>
<td></td>
<td>10-Sep</td>
<td></td>
</tr>
<tr>
<td>12-Sep-13</td>
<td></td>
<td>11-Sep</td>
<td></td>
</tr>
<tr>
<td>13-Sep-13</td>
<td></td>
<td>12-Sep</td>
<td></td>
</tr>
<tr>
<td>14-Sep-13</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15-Sep-13</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16-Sep-13</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17-Sep-13</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18-Sep-13</td>
<td></td>
<td>10-Sep</td>
<td></td>
</tr>
<tr>
<td>19-Sep-13</td>
<td></td>
<td>11-Sep</td>
<td></td>
</tr>
<tr>
<td>20-Sep-13</td>
<td></td>
<td>12-Sep</td>
<td>9/10-9/12</td>
</tr>
</tbody>
</table>