Recordings

 Calls and webinars are recorded for stakeholder convenience, allowing those who are unable to attend to listen to the recordings after the meetings. The recordings will be publicly available on the ISO web page for a limited time following the meetings. The recordings, and any related transcriptions, should not be reprinted without the ISO’s permission.
Agenda

- Fall 2022  MAP Stage Availability
- Fall 2022  MAP Stage Connectivity
- Fall 2022  Market Simulation Initiatives & Timelines
- Fall 2022  System Interface Changes
- Initiatives
  - Central procurement entity
  - Flexible ramping product - deliverability
  - Hybrid resources phase 2B
  - Reliability demand resource response phase 2
- Known issues
- Next Steps
Fall 2022  MAP Stage Availability

• Refer to MAP Stage portal https://portalmap.caiso.com for system availability information

• Current MAP Stage Scheduled Maintenance
  – None

• Upcoming MAP Stage Scheduled Maintenance
  – 9/30 CMRI – tentative
  – 9/30 OASIS – tentative
Fall 2022 MAP Stage Connectivity Testing

• Available for Connectivity
  – 8/22: ALFS Submit/Retrieve SCVERForecast
  – 9/16: MF UI
  – 9/16: CIRA
  – 9/19: MF API

• Upcoming for Connectivity
  – CMRI 10/3 Tentative
  – OASIS 10/3 Tentative
### Fall 2022 Market Simulation Initiatives & Timelines

<table>
<thead>
<tr>
<th>Fall 2022 Initiatives</th>
<th>Start Date</th>
<th>Start Date (Trade Date)</th>
<th>End Date</th>
<th>Scenario Start (Trade Date)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 2022 Market Simulation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Central procurement entity</td>
<td>09/19/22</td>
<td>09/22/22</td>
<td>09/30/22</td>
<td>09/22/22</td>
</tr>
<tr>
<td>Flexible ramping product – deliverability</td>
<td>10/03/22</td>
<td>10/03/22</td>
<td>10/28</td>
<td>10/06/22</td>
</tr>
<tr>
<td>Hybrid resources phase 2B</td>
<td>09/28/22</td>
<td>09/29/22</td>
<td>10/28</td>
<td>10/04, 10/13 Tentative</td>
</tr>
<tr>
<td>Reliability demand response resource bidding enhancements phase 2</td>
<td>10/03/22</td>
<td>10/03/22</td>
<td>10/14</td>
<td>10/11</td>
</tr>
</tbody>
</table>

**Market Simulation Plan:**
### 2022 - System Interface Changes

<table>
<thead>
<tr>
<th>System</th>
<th>Release</th>
<th>Project</th>
<th>API Service Name &amp; Major Version, Artifacts</th>
<th>MAP-Stage</th>
<th>Production</th>
<th>Technical Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIBR</td>
<td>N/A</td>
<td>Production</td>
<td>Bid Validation Rules Enhancement</td>
<td>October 2022</td>
<td>October 2022</td>
<td>N/A</td>
</tr>
<tr>
<td>MF</td>
<td>Fall 2022</td>
<td>Hybrid Resources 2B</td>
<td>SubmitGeneratorRDT_MFRDv5_20211001&lt;br&gt;RetrieveGeneratorRDT_MFRDv5_20211001</td>
<td>✓</td>
<td>Deployed</td>
<td>✓</td>
</tr>
<tr>
<td>MF</td>
<td>Fall 2022</td>
<td>Hybrid Resources 2B</td>
<td>• <strong>RDT Definitions v17 DRAFT</strong>:&lt;br&gt;• <strong>GRDT v17</strong>&lt;br&gt;Changes:&lt;br&gt;• RESOURCE tab:&lt;br&gt;• HYBRID_COMPONENTS tab: (Hybrid Resource Phase 2-B, activation date moved to Fall 2022)&lt;br&gt;• Add fields: MIN_CONT_ENERGY_LIMIT, MAX_CONT_ENERGY_LIMIT, ENERGY_EFFIC</td>
<td>✓ 9/19/22</td>
<td>12/1/22</td>
<td>✓ Drafts 5/24/22</td>
</tr>
<tr>
<td>SIBR</td>
<td>Fall 2022</td>
<td>Hybrid Resources 2B</td>
<td>SubmitDynamicResourceLimitsData_SIBRv1&lt;br&gt;RetrieveDynamicResourceLimitsData_SIBRv1</td>
<td>October</td>
<td>12/1/22</td>
<td>✓ Artifacts 2/2/22&lt;br&gt;✓ Tech Spec 2/8/22</td>
</tr>
<tr>
<td>ALFS</td>
<td>Fall 2022</td>
<td>Hybrid Resources 2B</td>
<td>SubmitSCVERForecast_ALFSv1&lt;br&gt;RetrieveSCVERForecast_FDRv1</td>
<td>✓ 8/22/22</td>
<td>12/1/22</td>
<td>✓ 5/25/22</td>
</tr>
</tbody>
</table>

[https://developer.caiso.com](https://developer.caiso.com)
## 2022 - System Interface Changes

<table>
<thead>
<tr>
<th>System</th>
<th>Release</th>
<th>Project</th>
<th>API Service Name &amp; Major Version, Artifacts</th>
<th>MAP-Stage</th>
<th>Production</th>
<th>Technical Specifications</th>
</tr>
</thead>
</table>
| CMRI     | Fall 2022 | Hybrid Resources 2B      | Modify: RetrieveEIRForecast_CMRIv1_AP - 20220401  
Modify: RetrieveEIRForecast_CMRIv1_DocAttach_AP – 20220401                                                  | 10/3/22   | 12/1/22    | ✓ 7/15/22                                           |
| CMRI     | Fall 2022 | Hybrid Resources 2B      | New: RetrieveAggregatedCapabilityConstraintDefinition_CMRIv1_AP  
New: RetrieveAggregatedCapabilityConstraintDefinition_CMRIv1_DocAttach_AP                                  | 10/3/22   | 12/1/22    | ✓ 7/15/22                                           |
| CMRI     | Fall 2022 | FRP Improvements – Deliverability | Resource Nodal prices for the FRP awards  
Will leverage existing API & UI functionality for FRP products (FRU/FRD) – No changes need for UI & API functionality; Users can continue to use existing UI/API functionality as is. | 10/3/22   | 12/1/22    | N/A                                                   |
| OASIS    | Fall 2022 | Hybrid Resources 2B      | Include constraint in the Scheduling Constraint Shadow Prices report  
• New: Aggregate Capability Constraint Shadow Prices; ACC_SHDW_PRC                                              | 10/3/22   | 12/1/22    | ✓ 7/15/22                                           |
| OASIS    | Fall 2022 | FRP Improvements – Deliverability | Demonstrate the variability of locational pricing for FRU/FRD.  
• New: Flex Ramp Requirements Input Uncertain Histogram; FLEX_RAMP_REQ_INP_HSG  
• New: Flex Ramp Requirement Input - Polynomials; FLEX_RAMP_REQ_INP_POLYNOMIALS  
• New: Flex Ramp Requirement Threshold; FLEX_RAMP_REQ_THRESH  
• New: Flexible Ramp Test Result Groups; FLEX_RAMP_TEST_RESULT_GROUP  
• New: Flexible Ramping Nodal Prices; FLEX_RAMP_NODAL_PRC  
• New: Flexible Ramping Constraint Shadow Prices; FLEX_RAMP_CNSTR_SHDW_PRC  
• New: Flexible Ramping Scheduling Constraint Shadow Prices; FLEX_RAMP_SCH_CNSTR_SHDW_PRC  
• New: Flexible Ramping Forecasts; FLEX_RAMP_FCST  
• Flexible Ramp Surplus Demand Curve; ENE_FLEX_RAMP_DC                                                   | 10/3/22   | 12/1/22    | ✓ 7/15/22                                           |
Central Procurement Entity

- **Timeline:** 09/19 - 09/30
- **Structured:** 9/22
- Customers may run Unstructured Scenario 9/26 - 9/29
- Submit provisioning requests to Production - 10/3

Scenarios Document –

Central Procurement Entity Access Provisions

• Submit provisioning requests to Production - 10/3
• CPE must obtain the services of a certified Scheduling Coordinator (SC)
• SC will need to request a new SCID to represent the CPE and indicate the CPE name in the request
• The new SCID is approved to be setup in master file and a CPE ID is created and assigned for the CPE to be associated to the new SCID
• Contact SCRequests@caiso.com for questions
Hybrid resources phase 2B

- **Timeline:** 09/28 - 10/28
- **Scenarios:** 10/04, 10/13 Tentative

- Scenarios document –
Flexible ramping product - deliverability

- **Timeline:** 10/03 – 10/28
- **Scenarios:** 10/06

Reliability demand resource response phase 2

- **Timeline**: 10/03 - 10/14
- **Scenarios**: 10/11

Scenarios document -
[https://www.caiso.com/Documents/MarketSimulationStructure
dScenarios-ReliabilityDemandResponseResourcesPhase2.pdf](https://www.caiso.com/Documents/MarketSimulationStructure
dScenarios-ReliabilityDemandResponseResourcesPhase2.pdf)
Known Issues

- Pending CIDI Tickets
  - CMRI report query for FRP project – Resolved
  - Questions about Hybrid resources Market Sim – Pending SME review
Next Steps

• The next teleconference is scheduled on October 3 at 1400 PDT
ISO Market Simulation Support

• **Hours:** Monday thru Friday 0900-1800 PDT
• **ISO’s 24x7 Service Desk:** (916) 351-2309 (Connectivity – UI or API)
• **Email:** [MarketSim@caiso.com](mailto:MarketSim@caiso.com)
Market Simulation Issue Management

- Submit all issues to the CIDI case management system
- CIDI tickets must have “Functional Environment” = “Market Simulation Fall 2022” to be reviewed by ISO SMEs
Fall 2022 Communication Plan

• Schedule

<table>
<thead>
<tr>
<th>Monday</th>
<th>Tuesday</th>
<th>Thursday</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug 22, 29</td>
<td>Sep 26</td>
<td>Aug 18, 25</td>
</tr>
<tr>
<td>Sep 12, 19, 26</td>
<td></td>
<td>Sep 01, 08, 15, 22, 29</td>
</tr>
</tbody>
</table>

• Connection Information
  – Web Conference Information
    • Web Address: https://caiso.webex.com/meet/MarketSim
    • Meeting Number: 962 067 710
    • Audio connection instructions will be available after connecting to the web conference. When prompted, select "Call me" and enter the phone number you will use during the call. You will be called by the conference shortly.
  – Conference Call Information
    • Dial-in Number:
      – 1-844-517-1271 (Toll Free)
      – 1-682-268-6591
    • Access Code: 962 067 710
Structured Scenario Registration Details

MP’s will need to register their request with the ISO to participate in this simulation via the MarketSim@caiso.com mailbox.

Date of registration August 12, 2022.
We will do our best to accommodate for late registration
## Central Procurement Entity: Structured Scenario 1

<table>
<thead>
<tr>
<th>Scenario Number</th>
<th>Scenario Execution Trade Date: 09/22/22</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>CPE entity should be able to view their obligation data, submit RA showing, and view their deficiency data.</td>
</tr>
</tbody>
</table>
| **ISO Actions** | • Upload the reference data (peak obligation, LCR by Tac obligation and flex obligation data) for a month  
• Upload credit data (peak credit, LCR by tac credit & flex credit data) for a month  
• Ensure cross validation is running for the generic/flex data for the Month |
| **EIM Market Participant Actions** | N/A |
| **ISO Market Participant Actions** | Participant (CPE) should submit their RA Plan and ensure supplier also submits the corresponding supply plan. |
| **Expected Outcome** | Participant can view and verify their data after subsequent CV plan has been completed in the following screens:  
• CV Output details screen  
• Generic Obligation Report  
• Flex Obligation Report  
• RA Report |
| **Anticipated Settlement Outcome** | N/A |
| **Expected Settlement Outcome** | N/A |
## Central Procurement Entity: Structured Scenario 2

### Scenario Number 2

<table>
<thead>
<tr>
<th>Scenario Number</th>
<th>Description</th>
<th>Scenario Execution Trade Date: 09/22/22</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Allocation of CPM cost to CPE entity.</td>
<td></td>
</tr>
</tbody>
</table>
| ISO Actions     | • Identify the resource and designate CPM and allocate the cost for this resource.  
                  • Upload Load Share Ratio for the month specified  
                  • Run CPM allocation for the month specified and broadcast data to settlements |                                        |
| EIM Market      | N/A                                              |                                        |
| Participant     | Actions                                          |                                        |
| ISO Market      | N/A                                              |                                        |
| Participant     | Actions                                          |                                        |
| Expected         | Outcome                                          | Navigate to CPM allocation screen and verify the allocation data | 

### Anticipated Settlement Outcome

- CPE's SC gets cost allocation.

### Expected Settlement Outcome

- Please check CC 7896
### Central Procurement Entity: Unstructured Scenario 3

<table>
<thead>
<tr>
<th>Scenario Number</th>
<th>Scenario Execution Trade Date: 09/22/22 – 09/30/22</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Updated logic for LSEs to display system obligation and LSE credit (CPE credit type) after the deficiency calculation.</td>
</tr>
</tbody>
</table>
| **ISO Actions** | • Upload the reference data (peak obligation, LCR by Tac obligation and flex obligation data) for a month  
                     • Upload credit data (peak credit, LCR by tac credit & flex credit data) for a month  
                     • Ensure cross validation is running for the generic/flex data for the month |
| **EIM Market Participant Actions** | N/A |
| **ISO Market Participant Actions** | Participant (CPE) should submit their RA Plan and ensure supplier also submits the corresponding supply plan. |
| **Expected Outcome** | Participant can view and verify their data after subsequent CV plan has been completed in the following screens:  
                     • CV Output details screen  
                     • Generic Obligation Report  
                     • Flex Obligation Report |
| **Anticipated Settlement Outcome** | N/A |
| **Expected Settlement Outcome** | N/A |
## Flexible Ramping Product – Deliverability: Unstructured Scenario 1

<table>
<thead>
<tr>
<th>Scenario Number</th>
<th>Unstructured guided scenario</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Demonstrate the variability of locational pricing for FRU/FRD.</td>
</tr>
<tr>
<td>ISO Actions</td>
<td>N/A</td>
</tr>
<tr>
<td>EIM Market Participant Actions</td>
<td>Market Participants should input economic energy bids to observe results</td>
</tr>
<tr>
<td>ISO Market Participant Actions</td>
<td>N/A</td>
</tr>
<tr>
<td>Expected Outcome</td>
<td>Verify the results in OASIS</td>
</tr>
<tr>
<td>Anticipated Settlement Outcome</td>
<td>Flex Ramp Prices used in settlements will reflect the new locational pricing for FRD</td>
</tr>
<tr>
<td>Expected Settlement Outcome</td>
<td>CC 7070, CC 7071, CC 7076, CC 7077, CC 7078</td>
</tr>
</tbody>
</table>
## Flexible Ramping Product – Deliverability: Structured Scenario 2

<table>
<thead>
<tr>
<th>Scenario Number</th>
<th>Description</th>
<th>Scenario Execution Trade Date: 10/06/22</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Demonstrate the Settlements processing for FRP PASS/FAIL.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ISO Actions</th>
<th>EIM Market Participant Actions</th>
<th>Expected Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>Market Participants should input less that optimal flexible ramping requirements to fail the sufficiency test.</td>
<td>FRP Sufficiency test Failed: FRU/FRD is still procured separately for the respective FRU/FRD requirement, but the latter is only reduced by the FRU/FRD demand elasticity in that BAA, without any FRU/FRD credit.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ISO Market Participant Actions</th>
<th>Anticipated Settlement Outcome</th>
<th>Expected Settlement Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>Allocation for both Movement and Uncertainty will be driven by the Pass Group, If a BAA Passes their Sufficiency test, the allocation amount will be a prorated between the BAA over EIM Area (All BAAs that belong to Pass Group). If a BAA Fails their Sufficiency test, the allocation amount will be directly allocated/isolated to the individual BAA.</td>
<td>CC 7070, CC 7071, CC 7076, CC 7077, CC 7078, PC Flexible Ramp Product</td>
</tr>
<tr>
<td>Scenario Number</td>
<td>Description</td>
<td>ISO Actions</td>
</tr>
<tr>
<td>-----------------</td>
<td>-------------</td>
<td>-------------</td>
</tr>
<tr>
<td>1</td>
<td>Verify submitted hybrid resource data and component level data</td>
<td>ISO to dispatch Hybrid resources</td>
</tr>
<tr>
<td></td>
<td>ISO Actions</td>
<td>EIM MP Actions</td>
</tr>
<tr>
<td></td>
<td>ISO Actions</td>
<td>EIM MP Actions</td>
</tr>
</tbody>
</table>

Expected Outcome:
- EIM Participants: Verify Hybrid Resources are assessed a forecast fee.
- ISO Market Participants Only: Verify Hybrid Resources are fully exempted from RAAIM in Settlements and assessed a forecast fee.
## Hybrid Resources Phase 2B: Unstructured Scenario 2

### Scenario Number 2

<table>
<thead>
<tr>
<th>Description</th>
<th>Unstructured guided Scenario</th>
</tr>
</thead>
<tbody>
<tr>
<td>Verify that VERs behind any given Sub-ACC have their “Follow DOT” flags set equal to ‘Y’ whenever one of their co-located resources has an AS award/AS base schedule.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ISO Actions</th>
<th>ISO to normally enforce ACCs and dispatch their resources as per the regular EIM clearing process.</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIM Market Participant Actions</td>
<td>EIM SCs to submit AS base schedules for non-VER resources behind Sub-ACCs with VERs.</td>
</tr>
<tr>
<td>ISO Market Participant Actions</td>
<td>SCs to submit economical AS bids in the DAM and RTM for non-VER resources behind Sub-ACCs with VERs.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Expected Outcome</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>• Verify non-VER resources behind Sub-ACCs with VERs have AS awards/AS base schedules going into RTD.</td>
<td></td>
</tr>
<tr>
<td>• Verify in Market and ADS that VERs behind a Sub-ACC whose co-located resources have an AS award/AS base schedule have their “Follow DOT” flags set equal to ‘Y’.</td>
<td></td>
</tr>
<tr>
<td>• Verify that the aforementioned logic only applies on a per “Sub-ACC” basis, i.e., if a colocated resource in Sub-ACC1 has an AS award/base schedule, then VERs in Sub-ACC2 do not necessarily have their “Follow DOT” flags set equal to ‘Y’.</td>
<td></td>
</tr>
</tbody>
</table>

| Anticipated Settlement Outcome | N/A |
| Expected Settlement Outcome | N/A |
## Reliability Demand Response Resources Bidding Enhancements Phase 2: Structured Scenario 1

<table>
<thead>
<tr>
<th>Scenario Number</th>
<th>Scenario Execution Trade Date: TBD</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong></td>
<td>Submit Competitive Bids by Discrete RDRRs’ SCs</td>
</tr>
<tr>
<td>Description</td>
<td>ISO Actions</td>
</tr>
<tr>
<td>ISO Actions</td>
<td>CAISO Operators declare EEA2 stage where discrete RDRRs are dispatched</td>
</tr>
<tr>
<td>EIM Market Participant Actions</td>
<td>N/A</td>
</tr>
<tr>
<td>ISO Market Participant Actions</td>
<td>SCs of the discrete RDRRs submit competitive bids.</td>
</tr>
<tr>
<td>Expected Outcome</td>
<td>Follow the results in the sink systems to verify commitment, dispatch, and settlements of discrete RDRRs</td>
</tr>
<tr>
<td>Anticipated Settlement Outcome</td>
<td>N/A</td>
</tr>
<tr>
<td>Expected Settlement Outcome</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Hybrid Resources Phase 2B: ALFS API Access Provisions

- User Access Administrators (UAAs) are able to provision access for to these new roles:
  - Submits
    - AIM > Application: ALFSSOA > Role: SC WRITE EXTERNAL
  - Retrieves
    - AIM > Application: FDR > Role: SC READ EXTERNAL

- References
  - [https://developer.caiso.com](https://developer.caiso.com)
  - Technical Specification
  - Artifacts
    - SubmitSCVERForecast_ALFSv1_AP
    - SubmitSCVERForecast_ALFSv1_DocAttach_AP
    - RetrieveSCVERForecast_FDRv1_AP
    - RetrieveSCVERForecast_FDRv1_DocAttach_AP
  - URLs
    - [https://wsmapi.caiso.com/sst/runtime.asvc/SubmitSCVERForecast_ALFSv1_AP](https://wsmapi.caiso.com/sst/runtime.asvc/SubmitSCVERForecast_ALFSv1_AP)
    - [https://wsmapi.caiso.com/sst/runtime.asvc/SubmitSCVERForecast_ALFSv1_DocAttach_AP](https://wsmapi.caiso.com/sst/runtime.asvc/SubmitSCVERForecast_ALFSv1_DocAttach_AP)
    - [https://wsmapi.caiso.com/sst/runtime.asvc/RetrieveSCVERForecast_FDRv1_AP](https://wsmapi.caiso.com/sst/runtime.asvc/RetrieveSCVERForecast_FDRv1_AP)
### Fall 2022 Market Simulation Settlements Calendar

**Fall 2022 Market Sim Calendar (MAP STAGE)**

**Aug 22, 2022 through Oct 28, 2022**

<table>
<thead>
<tr>
<th>Calendar Day</th>
<th>CMRI T+1B</th>
<th>Submit Meter Data by T+2B 10:00 for Initial</th>
<th>Publish Initial Statement T+5B</th>
<th>Submit Meter Data by T+5B 18:00 for Recalc</th>
<th>Publish Recalc Statement T+8B</th>
<th>Publish Market Invoice</th>
</tr>
</thead>
<tbody>
<tr>
<td>22-Sep-22</td>
<td>T+9B</td>
<td>T+9B</td>
<td>T+7B</td>
<td>T+7B</td>
<td>Daily Initial 13-Sep; Daily Initial 15-Sep; Monthly Initial 13-Sep - 15-Sep</td>
<td></td>
</tr>
<tr>
<td>23-Sep-22</td>
<td>22-Sep</td>
<td>20-Sep</td>
<td>15-Sep</td>
<td>15-Sep</td>
<td>Daily Recalc 13-Sep; Daily Recalc 15-Sep; Monthly Recalc 13-Sep - 15-Sep</td>
<td></td>
</tr>
<tr>
<td>26-Sep-22</td>
<td>22-Sep</td>
<td>Monthly Initial 13-Sep - 15-Sep</td>
<td>13-Sep</td>
<td></td>
<td>Daily Initial 20-Sep; Daily Initial 22-Sep; Monthly Initial 20-Sep - 22-Sep</td>
<td></td>
</tr>
<tr>
<td>27-Sep-22</td>
<td>27-Sep</td>
<td>20-Sep</td>
<td>20-Sep</td>
<td>15-Sep</td>
<td>Daily Recalc 20-Sep; Daily Recalc 22-Sep; Monthly Recalc 20-Sep - 22-Sep</td>
<td></td>
</tr>
<tr>
<td>28-Sep-22</td>
<td>27-Sep</td>
<td>22-Sep</td>
<td>22-Sep</td>
<td></td>
<td>Daily Initial 27-Sep; Daily Initial 29-Sep; Monthly Initial 27-Sep - 29-Sep</td>
<td></td>
</tr>
<tr>
<td>29-Sep-22</td>
<td>29-Sep</td>
<td>Monthly Initial 20-Sep - 22-Sep</td>
<td>20-Sep</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>03-Oct-22</td>
<td>29-Sep</td>
<td>27-Sep</td>
<td>22-Sep</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>04-Oct-22</td>
<td>4-Oct</td>
<td>27-Sep</td>
<td>22-Sep</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>05-Oct-22</td>
<td>4-Oct</td>
<td>29-Sep</td>
<td>Monthly Recalc 20-Sep - 22-Sep</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>06-Oct-22</td>
<td>6-Oct</td>
<td>29-Sep</td>
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<tr>
<td>07-Oct-22</td>
<td>6-Oct</td>
<td>Monthly Initial 27-Sep - 29-Sep</td>
<td>27-Sep</td>
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<tr>
<td>10-Oct-22</td>
<td>6-Oct</td>
<td>4-Oct</td>
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<tr>
<td>11-Oct-22</td>
<td>4-Oct</td>
<td>4-Oct</td>
<td></td>
<td>Daily Recalc 27-Sep; Daily Recalc 29-Sep; Monthly Recalc 27-Sep - 29-Sep</td>
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</tr>
<tr>
<td>13-Oct-22</td>
<td>11-Oct</td>
<td>6-Oct</td>
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</tbody>
</table>

Market Simulation Settlements Calendar Fall 2022:
[https://www.caiso.com/Documents/MarketSimulationSettlementsCalendar-Fall2022Release.pdf]
## Fall 2022 Market Simulation Settlements Calendar (continued)

### Fall2022 Market Sim Calendar (MAP STAGE)
**Aug 22, 2022 through Oct 28, 2022**

<table>
<thead>
<tr>
<th>Calendar Day</th>
<th>CMRI T+1B</th>
<th>Submit Meter Data by T+2B 10:00 for Initial</th>
<th>Publish Initial Statement T+9B</th>
<th>Submit Meter Data by T+5B T+18:00 for Recalc</th>
<th>Publish Recalc Statement T+8B</th>
<th>Publish Market Invoice</th>
</tr>
</thead>
<tbody>
<tr>
<td>17-Oct-22</td>
<td></td>
<td>13-Oct</td>
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<tr>
<td>30-Oct-22</td>
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<td>31-Oct-22</td>
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</table>

### Market Simulation Settlements Calendar Fall 2022

OSI Enhancements – 2022 (ADS)

- 71836: Ability to "Update/Override existing configuration".

![Image of Private Display Profiles interface with an arrow pointing to the 'Override' button.]
OSI Enhancements – 2022 (ADS)

- 73227: Changes in Instruction:
  - Enable the advance filter in instruction Grid.
  - Additional color scheme for commitment instructions:
    - Startup: Green
    - Shutdown: Orange
  - Transition: Yellow