



# Market Simulation – Fall 2018 Release

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Sr. Change & Release Planner

October 8, 2018

# 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 2018 Release MAP Stage Availability
- Fall 2018 Release Market Simulation Initiatives & Timelines
- Initiatives
  - Commitment Cost Enhancements Phase 3
  - Energy Storage & Distributed Energy Resources Phase 2
  - Settlements Performance Improvements
  - Generator Contingency & Remedial Action Scheme Modeling
  - Congestion Revenue Rights Auction Efficiency – 1A
  - Energy Imbalance Market Enhancements 2018
  - Regional Integration & EIM Green House Gas Compliance
- Known Issues
- Next Steps

# Fall 2018 Release 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
  - None
- MAP Stage Weekly Maintenance Window
  - Monday 0700 PT thru Tuesday 0900 PT

# Fall 2018 Release Market Simulation Initiatives & Timelines

<u>Fall 2018 Release Initiatives</u>	<u>Start Date</u>	<u>Start Date (Trade Date)</u>	<u>End Date</u>	<u>Structured Simulation Start (Trade Date)</u>	<u>Expected Participation</u>
<b>Fall 2018 Release Market Simulation</b>	8/20	8/20	10/12	9/5	
<b>Commitment Cost Enhancements Phase 3</b>	8/20	8/20	10/12	9/25	ISO Market Participants EIM Market Participants
<b>ESDER Phase 2</b>	8/20	8/20	10/12	9/5	ISO Market Participants EIM Market Participants
<b>Settlements Performance Improvements</b>	8/20	8/20	10/12	9/5	ISO Market Participants EIM Market Participants
<b>Generator Contingency and RAS Modeling</b>	9/20	9/20	10/12	9/26	ISO Market Participants EIM Market Participants
<b>CRR Auction Efficiency – 1A</b>	9/20	9/20	10/12	9/26	ISO Market Participants
<b>EIM Enhancements 2018</b>	9/24	9/24	10/12	9/26	EIM Market Participants
<b>Green House Gas Enhancements for EIM</b>	9/17	9/17	10/12	9/18	EIM Market Participants

**\*Post-Structured Scenario Settlement Validation Period 10/13-10/31**

Market Simulation Plan:

<http://www.caiso.com/Documents/MarketSimulationPlan-Fall2018Release.pdf>

# Commitment Cost Enhancements Phase 3

- **Timeline:** August 20 – October 12
- **Structured:** September 25 – October 12
- **Market Simulation Overview Timeline & MP Preparation**
  - ✓ **Thursday, 9/6: Deadline for MPs to submit ULPDT in MAP-Stage.**
  - ✓ 9/6-9/7: ISO to process the submitted ULPDTs. In MAP Stage, ISO will approve all ULPDTs for market simulation purposes only
  - ✓ 9/10: webinar to discuss CCE3 features and answer questions about the CCE3 changes
  - ✓ 9/12: CMRI reports available in MAP Stage for connectivity testing
  - ✓ 9/17-9/21: ISO to run opportunity cost calculation for October 2018
  - ✓ 9/25: ISO publishes in CMRI the
    - Actual usage of use limit type for records submitted into MAP Stage
    - Opportunity cost adders viewable in CMRI
  - ✓ 9/30: Opportunity costs available in SIBR for trade date 10/1

# Commitment Cost Enhancements Phase 3 (continued)

## CMRI UI/API available 9/12 for connectivity with following sample data

Report	Data
Actual Limitation Values	August 2018
Resource Opportunity Costs	Monthly: <ul style="list-style-type: none"><li>- October 2018</li><li>- November 2018</li><li>- December 2018</li></ul> Daily: <ul style="list-style-type: none"><li>- RTM: TD 9/6/18</li><li>- DAM: TD 9/7/18</li><li>- Will also have daily data starting TD 10/1</li></ul>

# Commitment Cost Enhancements Phase 3 (continued)

CMRI queries for data must be entered in a specific way (descriptions below) for data to be returned.

## Actual Limitation Values

- API query and DocAttach API query must be for Start Date: MM/01/YYYY End Date: MM+1/1/YYYY. Mid-month queries will not return data.
  - Example
    - Input Start date as 6/1/2018 and End date as 7/1/2018 **Data is returned.**
    - Input Start date as 6/1/2018 and End date as 6/02/2018 **Data is not returned.**
    - Input Start date as 6/1/2018 and End date as 6/30/2018 **Data is not returned.**
- UI query must be MM/01/YYYY. Mid-month queries will not return data.
  - Example
    - Input Start date as 6/1/2018. **Data is returned.**
    - Input Start date as 6/8/2018. **Data is not returned.**

## Resource Opportunity Costs

- API query and DocAttach API query must be for Start Date: MM/01/YYYY End Date: MM+1/1/YYYY. Mid-month queries will not return data.
  - Example
    - Input Start date as 6/1/2018 and End date as 7/1/2018 **Data is returned.**
    - Input Start date as 6/1/2018 and End date as 6/02/2018 **Data is not returned.**
    - Input Start date as 6/1/2018 and End date as 6/30/2018 **Data is not returned.**
- UI query for monthly data must be MM/01/YYYY. Mid-month queries will not return data.
  - Example
    - Input Start date as 6/1/2018. **Data is returned.**
    - Input Start date as 6/8/2018. **Data is not returned.**
- Note: UI query for daily data works as expected



# Energy Storage & Distributed Energy Resources

## Phase 2

- **Timeline:** August 20 – October 12
- **Structured:** September 5 – October 12
- **MP Market Simulation Preparation Timeline**
  - ✓ 8/17: Deadline for MPs to request which of the 7 baselines they would like to see in market simulation for ISO to configure
  - ✓ 8/20-8/24: ISO to process the submitted requests for baselines
  - ✓ 8/27: MPs able to see processed baselines in their picklists
  - ✓ 8/27: MPs able to start registering resources using these baselines\*
  - ✓ 8/28: first day any resource registrations will be effective\*\*

\*In MAP Stage, no UCD/LSE approval necessary for resource registrations to become effective

\*\*In MAP Stage, resource registrations take effect one business day after submission

# Energy Storage & Distributed Energy Resources

## Phase 2 (continued)

- **Meter Data Submissions**

- Please refer to [Fall 2018 Release Market Simulation Plan](#) for Settlements Calendar that includes Meter Data submission deadlines
  - *For example, Submit Meter Data by T+4B Calendar Day 9/18 18:00 PT for Recalc of Settlements Trade Day 9/12*
  - Submit GEN, LOAD, MBMA data for Settlements
  - CBL and TMNT data is only for monitoring purposes, and not Settlements

# Energy Storage & Distributed Energy Resources

## Phase 2 (continued)

- **CBL and TMNT Data Submission with Registration ID**
  - With ESDER2, DRPs are able to submit CBL and TMNT data with Registration ID.
  - However, this data can currently only be submitted using XML format.
  - *CSV file submission for CBL and TMNT data with Registration ID will not be supported with ESDER2 scope.*
  - Technical documentation will be updated and published with this information.

# Settlements Performance Improvements

- **Timeline:** August 20 – October 12
- **Structured:** September 5 – October 12

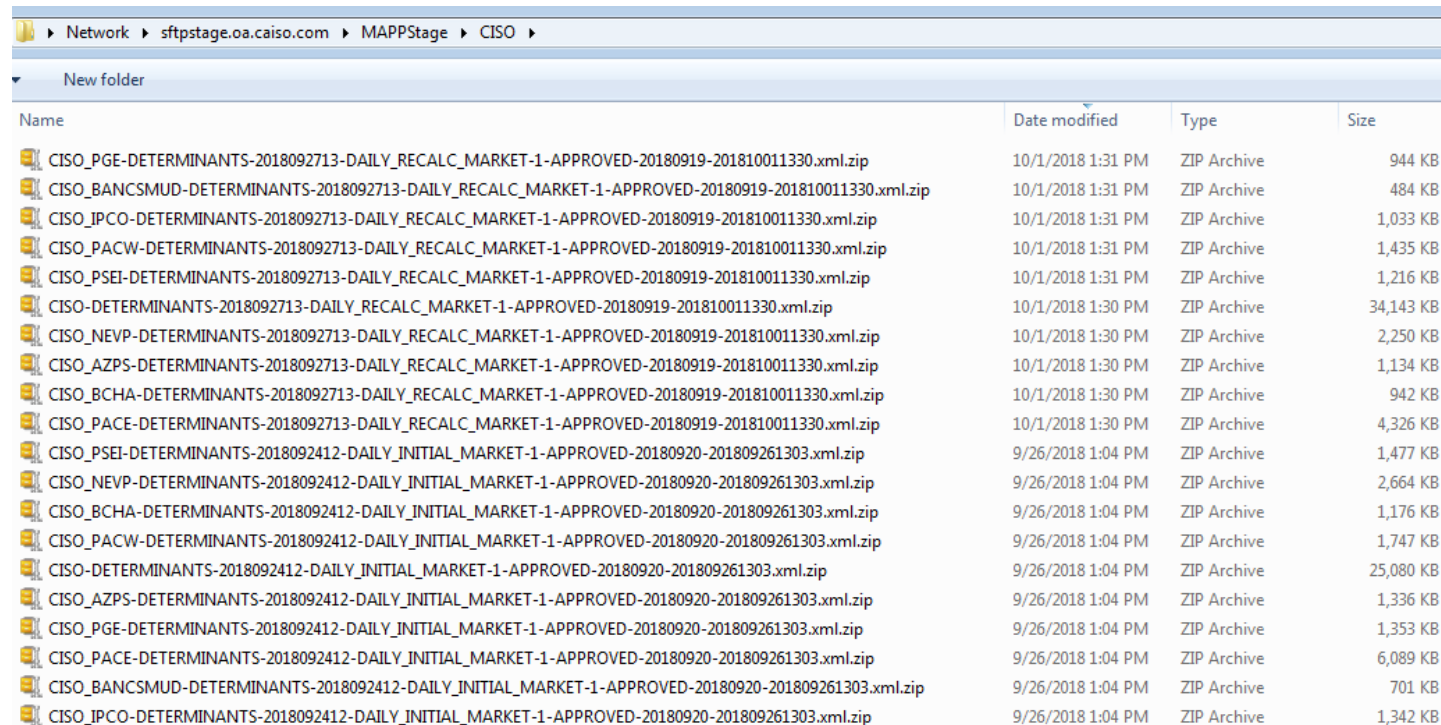
# Settlements Performance Improvements (continued)

- Structured Scenario

Scenario Number	Settlements Performance Improvements – TD TBD	
1	Description	Settlement Statements Generation: (Daily Initial, Daily Recalculation, Monthly Initial, Monthly Recalculation)
	ISO Actions	Publish settlements statements
	EIM Market Participant Actions	Download and validate settlement statements
	ISO Market Participant Actions	Download and validate settlement statements
	Expected Outcome	<ul style="list-style-type: none"> <li>- Settlement informational file interface (SIFI) shall generate the common bill determinant file per BAA. For example, there will be one common BD file for the CAISO BAA and a separate common BD file for each EIM BAA entity.</li> <li>- Settlement file specification shall be modified to distinguish between the common CAISO BD file and the common EIM BAA files.</li> <li>- Each EIM BAA file must be distinguishable by their file name. For example: The BD file name must capture the EIM entity name.</li> <li>- The ISO shall eliminate reporting of IndexA from the settlement files since the hierarchy reported in the IndexA field can be derived from the configuration file. This applies to all existing Settlement files that have IndexA defined within its XSD structure. Note: No XSD changes shall be needed as confirmed by the model design engineer.</li> <li>- The ISO shall eliminate reporting of Ccode from the settlement files since it can be derived from the configuration file. This applies to all existing Settlement files that have Ccode defined within its XSD structure. Note: No XSD changes shall be needed as confirmed by the model design engineer.</li> </ul>
	Anticipated Settlement Outcome	N/A

# Settlements Performance Improvements (continued)

- CAISO files are available in SFTP for download.



The screenshot shows a file explorer window with the following path: Network > sftpstage.oa.caiso.com > MAPPStage > CISO > New folder. Below the path is a table listing files with columns for Name, Date modified, Type, and Size.

Name	Date modified	Type	Size
CISO_PGE-DETERMINANTS-2018092713-DAILY_RECASC_MARKET-1-APPROVED-20180919-201810011330.xml.zip	10/1/2018 1:31 PM	ZIP Archive	944 KB
CISO_BANCSMUD-DETERMINANTS-2018092713-DAILY_RECASC_MARKET-1-APPROVED-20180919-201810011330.xml.zip	10/1/2018 1:31 PM	ZIP Archive	484 KB
CISO_IPCO-DETERMINANTS-2018092713-DAILY_RECASC_MARKET-1-APPROVED-20180919-201810011330.xml.zip	10/1/2018 1:31 PM	ZIP Archive	1,033 KB
CISO_PACW-DETERMINANTS-2018092713-DAILY_RECASC_MARKET-1-APPROVED-20180919-201810011330.xml.zip	10/1/2018 1:31 PM	ZIP Archive	1,435 KB
CISO_PSEI-DETERMINANTS-2018092713-DAILY_RECASC_MARKET-1-APPROVED-20180919-201810011330.xml.zip	10/1/2018 1:31 PM	ZIP Archive	1,216 KB
CISO-DETERMINANTS-2018092713-DAILY_RECASC_MARKET-1-APPROVED-20180919-201810011330.xml.zip	10/1/2018 1:30 PM	ZIP Archive	34,143 KB
CISO_NEVP-DETERMINANTS-2018092713-DAILY_RECASC_MARKET-1-APPROVED-20180919-201810011330.xml.zip	10/1/2018 1:30 PM	ZIP Archive	2,250 KB
CISO_AZPS-DETERMINANTS-2018092713-DAILY_RECASC_MARKET-1-APPROVED-20180919-201810011330.xml.zip	10/1/2018 1:30 PM	ZIP Archive	1,134 KB
CISO_BCHA-DETERMINANTS-2018092713-DAILY_RECASC_MARKET-1-APPROVED-20180919-201810011330.xml.zip	10/1/2018 1:30 PM	ZIP Archive	942 KB
CISO_PACE-DETERMINANTS-2018092713-DAILY_RECASC_MARKET-1-APPROVED-20180919-201810011330.xml.zip	10/1/2018 1:30 PM	ZIP Archive	4,326 KB
CISO_PSEI-DETERMINANTS-2018092412-DAILY_INITIAL_MARKET-1-APPROVED-20180920-201809261303.xml.zip	9/26/2018 1:04 PM	ZIP Archive	1,477 KB
CISO_NEVP-DETERMINANTS-2018092412-DAILY_INITIAL_MARKET-1-APPROVED-20180920-201809261303.xml.zip	9/26/2018 1:04 PM	ZIP Archive	2,664 KB
CISO_BCHA-DETERMINANTS-2018092412-DAILY_INITIAL_MARKET-1-APPROVED-20180920-201809261303.xml.zip	9/26/2018 1:04 PM	ZIP Archive	1,176 KB
CISO_PACW-DETERMINANTS-2018092412-DAILY_INITIAL_MARKET-1-APPROVED-20180920-201809261303.xml.zip	9/26/2018 1:04 PM	ZIP Archive	1,747 KB
CISO-DETERMINANTS-2018092412-DAILY_INITIAL_MARKET-1-APPROVED-20180920-201809261303.xml.zip	9/26/2018 1:04 PM	ZIP Archive	25,080 KB
CISO_AZPS-DETERMINANTS-2018092412-DAILY_INITIAL_MARKET-1-APPROVED-20180920-201809261303.xml.zip	9/26/2018 1:04 PM	ZIP Archive	1,336 KB
CISO_PGE-DETERMINANTS-2018092412-DAILY_INITIAL_MARKET-1-APPROVED-20180920-201809261303.xml.zip	9/26/2018 1:04 PM	ZIP Archive	1,353 KB
CISO_PACE-DETERMINANTS-2018092412-DAILY_INITIAL_MARKET-1-APPROVED-20180920-201809261303.xml.zip	9/26/2018 1:04 PM	ZIP Archive	6,089 KB
CISO_BANCSMUD-DETERMINANTS-2018092412-DAILY_INITIAL_MARKET-1-APPROVED-20180920-201809261303.xml.zip	9/26/2018 1:04 PM	ZIP Archive	701 KB
CISO_IPCO-DETERMINANTS-2018092412-DAILY_INITIAL_MARKET-1-APPROVED-20180920-201809261303.xml.zip	9/26/2018 1:04 PM	ZIP Archive	1,342 KB

# Settlements Performance Improvements (continued)

- CAISO files are available in MRI-S for download.

California ISO | Market Results Interface - Settlements

Settlements | Meter Data

Statements | Publication Status | Administration | Job Status | Exceptions | Standing Data

File Type: CAISO Bill Determinants | SCID: [ALL] | Run Type: [ALL] | Trade Date: 09/19/2018 | Post Date From: 09/25/2018 | Post Date To: 10/02/2018 | Apply | Reset

Version: [ALL]

SELECT	XML	CSV	PDF	SCID	Name	Trade Date	Post Date	Version	External
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CISO	CISO-DETERMINANTS-2018092713-DAILY_RECASC_MARKET-1-APPROVED-20180919	09/19/2018	10/01/2018	1	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CISO	CISO_AZPS-DETERMINANTS-2018092713-DAILY_RECASC_MARKET-1-APPROVED-20180919	09/19/2018	10/01/2018	1	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CISO	CISO_BANCSMUD-DETERMINANTS-2018092713-DAILY_RECASC_MARKET-1-APPROVED-20180919	09/19/2018	10/01/2018	1	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CISO	CISO_BCHA-DETERMINANTS-2018092713-DAILY_RECASC_MARKET-1-APPROVED-20180919	09/19/2018	10/01/2018	1	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CISO	CISO_IPCO-DETERMINANTS-2018092713-DAILY_RECASC_MARKET-1-APPROVED-20180919	09/19/2018	10/01/2018	1	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CISO	CISO_NEVP-DETERMINANTS-2018092713-DAILY_RECASC_MARKET-1-APPROVED-20180919	09/19/2018	10/01/2018	1	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CISO	CISO_PACE-DETERMINANTS-2018092713-DAILY_RECASC_MARKET-1-APPROVED-20180919	09/19/2018	10/01/2018	1	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CISO	CISO_PACEW-DETERMINANTS-2018092713-DAILY_RECASC_MARKET-1-APPROVED-20180919	09/19/2018	10/01/2018	1	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CISO	CISO_PGE-DETERMINANTS-2018092713-DAILY_RECASC_MARKET-1-APPROVED-20180919	09/19/2018	10/01/2018	1	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CISO	CISO_PSEI-DETERMINANTS-2018092713-DAILY_RECASC_MARKET-1-APPROVED-20180919	09/19/2018	10/01/2018	1	<input checked="" type="checkbox"/>

Settlement files are available for 45 days from date of publication.

California ISO | Market Results Interface - Settlements

Settlements | Meter Data

Statements | Publication Status | Administration | Job Status | Exceptions | Standing Data

File Type: CAISO Bill Determinants | SCID: [ALL] | Run Type: [ALL] | Trade Date: 09/20/2018 | Post Date From: 09/25/2018 | Post Date To: 10/02/2018 | Apply | Reset

Version: [ALL]

SELECT	XML	CSV	PDF	SCID	Name	Trade Date	Post Date	Version	External
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CISO	CISO-DETERMINANTS-2018092412-DAILY_INITIAL_MARKET-1-APPROVED-20180920	09/20/2018	09/26/2018	1	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CISO	CISO_AZPS-DETERMINANTS-2018092412-DAILY_INITIAL_MARKET-1-APPROVED-20180920	09/20/2018	09/26/2018	1	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CISO	CISO_BANCSMUD-DETERMINANTS-2018092412-DAILY_INITIAL_MARKET-1-APPROVED-20180920	09/20/2018	09/26/2018	1	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CISO	CISO_BCHA-DETERMINANTS-2018092412-DAILY_INITIAL_MARKET-1-APPROVED-20180920	09/20/2018	09/26/2018	1	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CISO	CISO_IPCO-DETERMINANTS-2018092412-DAILY_INITIAL_MARKET-1-APPROVED-20180920	09/20/2018	09/26/2018	1	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CISO	CISO_NEVP-DETERMINANTS-2018092412-DAILY_INITIAL_MARKET-1-APPROVED-20180920	09/20/2018	09/26/2018	1	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CISO	CISO_PACE-DETERMINANTS-2018092412-DAILY_INITIAL_MARKET-1-APPROVED-20180920	09/20/2018	09/26/2018	1	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CISO	CISO_PACEW-DETERMINANTS-2018092412-DAILY_INITIAL_MARKET-1-APPROVED-20180920	09/20/2018	09/26/2018	1	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CISO	CISO_PGE-DETERMINANTS-2018092412-DAILY_INITIAL_MARKET-1-APPROVED-20180920	09/20/2018	09/26/2018	1	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CISO	CISO_PSEI-DETERMINANTS-2018092412-DAILY_INITIAL_MARKET-1-APPROVED-20180920	09/20/2018	09/26/2018	1	<input checked="" type="checkbox"/>

Settlement files are available for 45 days from date of publication.

# Generator Contingency & Remedial Action Scheme Modeling

- **Timeline:** September 20 – October 12
- **Structured:** September 26 – October 12



# Generator Contingency & Remedial Action Scheme Modeling (continued)

- Due to the NDA restriction of the shift factor data in Market Sim, in order for CAISO to facilitate the Market Sim verification the following will occur
  - GCARM scenarios will run as documented in the Market Scenario documentation.
  - Settlement of the scenario will be calculated as documented in the Market Scenario documentation.
  - Post Market Sim scenario execution, CAISO will provide a version of the shift factor file without market sensitive information for participants to review GFF impact from GCARM contingencies
    - <http://www.caiso.com/Pages/documentsbygroup.aspx?GroupID=35E9BD08-89AC-4D83-9921-BD024EE45596>

## Structured Scenarios

- For both Day Ahead and RT scenarios, the ISO will provide a spreadsheet with information on contingencies that will be used for market simulation. The spreadsheet will provide similar data to what is currently available in the CMRI report. There will be the name of the contingency (generic e.g. GCARM\_TEST\_1) and equipment that can be possibly overloaded by the contingency.
  - <http://www.caiso.com/Documents/GCARMContingencySpreadsheet.xlsx>
- On the RT scenario, the ISO will take the Day Ahead awards information from the structured scenario in DA into Real Time, just like the production process, and market participants may submit bids for any resources, or for those resources that were not awarded for the DA into the Real Time

# Congestion Revenue Rights Auction Efficiency – 1A

- **Timeline:** September 20 – October 12
- **Structured:** September 26 – October 12

# Congestion Revenue Rights Auction Efficiency – 1A (continued)

- **Latest XSD available 9/28:**
  - <http://www.caiso.com/Documents/AuctionPortfolio.xsd>
  - There are now two screens for uploading
    - One for “BUY”, one for “SELL”
    - The bid curve structure has changed, as described in the BPM
- **MP Actions for Structured Scenarios Participation**
  - **10/9 1700 PT**: Deadline to submit portfolio bids to valid source sink locations
  - **10/9 1700 PT**: Deadline to submit sell offers using appropriate bid curve formulation
  - **10/10**: CRR auction results will be published for MPs to download and validate

# Congestion Revenue Rights Auction Efficiency – 1A (continued)

**OASIS UI/API available 9/24 for connectivity with following data for PUB CRR BID**

MARKET TERM	START_DATE	END_DATE
Seasonal	01-JAN-18	01-APR-18
Seasonal	01-APR-18	30-JUN-18
Monthly	01-JUN-18	30-JUN-18

# Energy Imbalance Market Enhancements 2018

- **Timeline:** September 24 – October 12
- **Structured:** September 26 – October 12

# Regional Integration & EIM Green House Gas Compliance

- **Timeline:** September 17 – October 12
- **Structured:** September 18 – October 12

# Fall 2018 Release MAP Stage Known Issues

#	System	Summary	Status	Estimated Fix Date	CIDI #
5	CMRI	Actual Limitation Values doesn't include MSG configurations	Fixed, to be promoted to MAP-Stage	TBD	206609
7	MRI-S	Unable to retrieve the MBMA Measurement Type by passing the RegisteredGenerator MRID as 'ALL' and SchedulingCoordinator	New	TBD	207623

# Next Steps

- The next teleconference is scheduled on Thursday, October 11 at 1400 PT



# Reference Slides

# ISO Market Simulation Support

- **Hours:** Monday thru Friday 0900-1800 PT
- **Market Simulation Coordinator Phone:** (916) 351-2205
- **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 2018**” to be reviewed by ISO SMEs

# Fall 2018 Release Communication Plan

- **Schedule**

<b>Monday</b>	<b>Tuesday</b>	<b>Thursday</b>
<b>All occurrences 1400-1500 PT</b>		
August 20, 27 September 10, 17, 24 October 1, 8	September 4	August 16 ( <i>first</i> ), 23, 30 September 6, 13, 20, 27 October 4, 11 ( <i>last</i> )

- **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: 866-528-2256
    - International Dial-in: 216-706-7052
    - Access Code: 202 249 0

# Fall 2018 Release MAP Stage Environment Data

- MAP Stage Bids: Static Data Timelines:
  - DAM bids submitted for T+4 (example: on 9/10 bids are submitted for 9/14)
    - MPs wishing to check and or submit bids for T+1 – T+4) can do so after 7am PT on T. (example T=9/10 - DA bids can be submitted for 9/11, 9/12, 9/13 and if after 7am PT for 9/14)
    - In the example no seeded bids will over-write submitted bids for T+1, T+2, T+3. For T+4 if the submitted bids come in after 7am they will not be over-written by seeded bids
  - RTM bids are submitted for T+1 at 11am PT (example: on 9/10 static bids are submitted at 11am PT for 9/11)
    - Participants wishing to check and or submit bid for T+1 can do so after 12pm PT
    - no seeded data will over-write submitted bids.
- SIBR RTM functionality for validating submitted bids or generating submitted bid based on DA market results will still apply, typically MAP Stage market results are not published until after 12pm PT.
- All RTM bids are revalidated at 22:10 PT for the next day based on latest commitment cost data received
- Bids must be submitted or verified by participants wanting to validate functionality in SIBR or downstream applications with regard to project expectations

# Stay Informed

# Ways to participate in releases

- Visit the Release Planning page
  - <http://www.caiso.com/informed/Pages/ReleasePlanning/Default.aspx>
- Attend meetings
  - Release Users Group (RUG) bi-weekly meetings
    - Initiative status updates
    - System change updates on independent releases
  - Market Simulation calls
    - Visit the ISO calendar at [www.caiso.com](http://www.caiso.com) for meeting dates and times and add events to your calendar
    - Typically held on Mondays and Thursdays
    - Market sim calls for major releases will be market noticed
  - Market Performance and Planning Forum
    - Bi-monthly review of market performance issues
    - High level discussion of release planning, implementation and new market enhancements

# What to look for on the calendar...

## Calendar of Meetings, Training and Events

Month: February Year: 2018 Calendar View List View Print View

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	5 WebbCONF: Market Simulation 2:00pm - 3:00pm	6 Training: Get to Know the ISO - Day 1 9:00am - 4:00pm WebbCONF: Imbalance Conformance Enhancements 10:00am - 12:00pm WebbCONF: Technical User Group 10:00am - 11:00am	7 Deadline: Comments - Interconnection Process Enhancements 2018 - Issue Paper and Meeting Discussion Training: Get to Know the ISO - Day 2 9:00am - 4:00pm Meeting: Flexible Resource Adequacy Criteria Must Offer Obligation Phase 2 - Revised Draft Flexible Capacity Framework 10:00am - 4:00pm WebbCONF: Market Settlement User Group 10:00am - 11:00am	8 Meeting: Audit Committee Teleconference (Executive) 8:30am - 9:30am Training: Settlements 101 9:00am - 4:00pm Meeting: 2017-2018 Transmission Planning Process 10:00am - 4:00pm WebbCONF: Market Simulation 2:00pm - 3:00pm	9 Training: Settlements 201 9:00am - 4:00pm	10
11 WebbCONF: Participating Transmission Owner Per Unit Cost Guides 10:30am - 12:00pm WebbCONF: Market Simulation 2:00pm - 3:00pm	12 Meeting: Congestion Revenue Rights Auction Efficiency 10:00am - 4:00pm WebbCONF: Release User Group 10:00am - 11:00am Call: Energy Imbalance Market Governing Body Teleconference (Executive) 11:30am - 12:30pm	13 Deadline: Submissions - April 2018 Monthly Resource Adequacy and Supply Plans Call: Congestion Revenue Rights 11:00am - 11:30am WebbCONF: Outage Management System Customer Partnership Group 2:00pm - 3:00pm	14 Deadline: Comments - Review Transmission Access Charge Structure Straw Proposal and Meeting Discussion Call: Board of Governors Teleconference (General) 5:15am - 9:00am Call: Board of Governors Teleconference (Executive) 9:00am - 10:00am Call: Market Update 10:15am - 11:00am WebbCONF: Market Simulation	15	16	17

Market Sim



Market Sim



Release Users Group (RUG)





# THANK YOU

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