Market Simulation Call - Fall 2020 Release

Anshuman Vaidya

Market Simulation Coordinator

September 14, 2020

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.

California ISO

Agenda

- MAP Stage Availability
- Known Issues – ADS
- ADS Replacement – Cutover Activities At a Glance
- ADS dependencies for DOTTC, IDS functionality
- Next Steps

Fall 2020 Release MAP Stage Availability

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

- Current MAP Stage Maintenance
  - None

- Upcoming MAP Stage Maintenance
  - *Tuesday*, 9/15: Network testing, outages (loss of connectivity) to DRRSUI, ADS UI/API
    - *Impacts/outages (loss of connectivity) to Parallel (Stage) ADS UI/API also*
  - *TBD: Extended Outage one week, Monday-Friday*: CMRI UI/API for EIM Enhancements 2020 deployment - Closure, system will be unavailable

- MAP Stage Weekly Maintenance Window
  - Friday

Known Issues - ADS

#	System	Summary	Status	Estimated Fix Date
1	ADS	Continuous Alarm Change to repeat every x seconds (recommend 5 seconds)	Open	TBD
2	ADS	Column Picker should sort list of checkboxes alphabetically	Open	TBD
3	ADS	ADS Query Tool Dead Sapce on the bottom when lots of data available to show	Open	TBD
4	ADS	Column Selector availability intermittent.	Open	TBD
5	ADS	Ability to share/port over the profiles across environment	Open	TBD

ADS Replacement – Cutover Activities At a Glance

Even for use of existing ADS API URL and version (v7), you may need to whitelist the new ADS API IPs as access to the v7 will redirect to the new IPs.

	MAP-STAGE	STAGE	PRODUCTION
API Existing URL	https://adsmap.caiso.com:447/	https://adsstage.caiso.com:447	https://ads.caiso.com:447/
API Existing IPs	12.200.60.164	12.200.60.237 12.200.60.238	12.200.60.98 12.200.60.99 12.231.58.98 12.231.58.99
API New Additional IPs	45.42.17.165 45.42.23.165	45.42.17.51 - correction 45.42.23.51 - correction	45.42.16.51 45.42.22.51
UI Existing URL	https://adsmap.caiso.com:447/	https://adsstage.caiso.com:447	https://ads.caiso.com:447/
UI Existing IP	12.200.60.164	12.200.60.237 12.200.60.238	12.200.60.98 12.200.60.99 12.231.58.98 12.231.58.99
UI New Additional URL	https://ads.map.caiso.com/	https://ads.stage.caiso.com/	https://ads.prod.caiso.com/
UI New Additional IP	45.42.17.130 45.42.23.130	45.42.17.16 45.42.23.16	45.42.16.16 45.42.22.16

ADS dependencies for DOTTC, IDS functionality

Reminder:

- The new DOTTC & IDS functionality will only be available in new ADS UI and ADS API v8 and will not be available in the old ADS client or ADS API v7 (ADS API v6 will be deprecated), so any participant seeking to leverage the benefit of DOTTC and IDS on the ADS will need to use the new ADS UI and/or the new ADS API v8
  - New ADS UI & ADS API v8 available 10/1/20
  - DOTTC activation 10/1/20
  - IDS activation 1/1/21
  - ADS cutover 2/1/2021
- ADS API v6 will be deprecated upon deployment of ADS API v8, and only ADS API v8 and ADS API v7 will be supported; the UI is adopt when ready
- ISO Customer Service is conducting outreach for customer cutover plans for further coordination
- ADS & DOTTC training materials also provide reflect the availability of the new features in the new ADS

Milestone Date	Activity	Production - ADS Replacement	Production - DOTTC	Production - IDS
10/1/2020	New Code Available	New ADS UI ADS API V8 Production Go-Live		
10/1/2020	Hard CutOver	ADS API V6		
10/1/2020	Activation		DOTTC Activation only on New ADS	
1/1/2021	Activation			IDS Activation only on New ADS
02/01/2021	Hard CutOver	Current ADS Delphi Client		

ADS dependencies for DOTTC, IDS functionality - continued

- New functionality includes
  - Follow DOT Flag
  - Operating instructions
  - Un announced AS TEST
  - RTCD Commitment
  - Receive Operating instruction flag for EIRs
  - Broadcast message to EIRs operator
  - Display the HASP schedule, the scheduling coordinator accepted value, and the difference between the two

Next Steps

- The next teleconference is scheduled on, Thursday, September 17 at 1400 PDT

California ISO

Reference Slides

California ISO

Market Simulation Issue Management

- Submit all issues to the CIDI case management system
- CIDI tickets must have "**Functional Environment**" = "**Market Simulation Fall 2020**" to be reviewed by ISO SMEs

California ISO

ISO Market Simulation Support

- **Hours:** Monday thru Friday 0900-1800 PDT

- **ISO's 24x7 Service Desk:** (916) 351-2309 (Connectivity – UI or API)

  – Issues called in after hours will be worked on during the next business day

- **Email:** MarketSim@caiso.com

California ISO

Fall 2020 Release Communication Plan

- ## Schedule

Monday	Tuesday	Thursday
July 27	September 8	July 23, 30
August 3, 10, 17, 24, 31		August 6, 13, 20, 27
September 14		September 3, 10, 17

- ## Connection Information
  - **Web Conference Information**
    - Web Address: https://caiso.webex.com/meet/MarketSim
    - Meeting Number: 962 667 710
    - 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

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 July 3, 2020.

We will do our best to accommodate for late registration

Fall 2020 Release MAP Stage Connectivity Testing

- **Timeline Phase 1:** July 27 – August 10
- **Timeline Phase 2:** July 27 – August 10

Fall 2020 Release Market Simulation Initiatives & Timelines

Fall 2020 Release Initiatives	Start Date	Start Date (Trade Date)	End Date	Structured Simulation Start (Trade Date)
Fall 2020 Release Market Simulation Phase 1	07/27/20	07/28/20	09/04/20	08/11/20
Automated Dispatch System (ADS) replacement				08/11/20 (Completed) Rerun on 8/18 per MP request - Complete
Commitment costs and default energy bid enhancements				NA
Dispatch operating target tariff clarification				08/12/20 (Completed)
Energy storage and distributed energy resources phase 3				08/19/20 (Complete) Rerun on 9/2 - Complete
FERC Order No. 841 requested adjustments				08/12/20 (Settlement statement published)
Commitment cost enhancements tariff clarifications				NA
Fall 2020 Release Market Simulation Phase 2	07/27/20	07/28/20	09/18/20	08/25/20
Market settlement timeline transformation				08/25/20 (TD 8/25 under Settlements complete)
Excess behind the meter production				08/25/20 (TD 8/25 under Settlements complete)

Market Simulation Plan:

http://www.caiso.com/Documents/MarketSimulationPlan-Fall2020Release.pdf

Known Issues - DRRS

#	System	Summary	Status	Estimated Fix Date
1	DRRS	UI: Advanced filter input controls do not automatically close as the user is clicking from one control to another, causing the controls (date picker, text fields, dropdown lists, etc) to stack on top of each other. *User must click on the control to make it disappear.*	Open	TBD
2	DRRS	UI: The application disconnect/connect icon and its respective display text are not in-sync: • When the application is disconnected caused by a timeout, the text displays as "Connected" where it should display as "Disconnected". • When the application reconnects, the icon does not display as connected • *While there is an issue with the visual feedback, the application functionality is not impacted.*	Open	TBD

Automated Dispatch System (ADS) replacement

- **Timeline:** July 27 – September 04
- **Structured:** August 11 (Completed)

> Rerun on 8/18 per Market Participant Request - Complete

Structured Scenarios document -
http://www.caiso.com/Documents/MarketSimulationScenarios-ADSReplacement.pdf

Training -

- http://www.caiso.com/Documents/AutomatedDispatchSystemReplacementPart1.pdf

- http://www.caiso.com/Documents/AutomatedDispatchSystemReplacementPart2.pdf

ADS Replacement – Cutover Activities At a Glance

Milestone Date	Activity	MAPStage	Stage	Production
7/27/2020	New Code Available	New ADS UI ADS API V8 Begin Market Sim	-	-
7/27/2020	Hard Cut-Over	ADS API V6	-	-
09/01/2020	New Code Available	-	New ADS UI ADS API V8 Begin Parallel Operations	-
09/01/2020	Hard Cut-Over	-	ADS API V6	-
09/04/2020	Milestone	End Market Sim	-	-
09/30/2020	Milestone	-	End Parallel Operations	-
10/1/2020	New Code Available	-	-	New ADS UI ADS API V8 Production Go-Live
10/1/2020	Hard Cut-Over	-	-	ADS API V6
11/04/2020	Hard Cut-Over	Current ADS Delphi Client	Current ADS Delphi Client	-
02/01/2021	Hard Cut-Over	-	-	Current ADS Delphi Client

California ISO

- During parallel operation Data for new functionalities (such as Follow DOT Flag, Operating instructions, Un announced AS TEST, RTCD Commitment) will not be available as we will stream production data to parallel environment.

- For those new functionalities data will be available in MAPStage.

California ISO

Energy storage and distributed energy resources phase 3

- **Timeline:** July 27 – September 04

- **Structured:** August 19 – Complete (Rerun on 9/2- Complete)

- Setup needed:
    - PDR-LSR Curtailment.
        - If market participant wants to see only energy award, then, submit very cheap energy bids
        - If market participant wants to see AS award, say Spin, submit very expensive energy bids and 0$ Spin bid
    - PDR-LSR Consumption.
        - Avoid submitting large negative energy bid. Suggested bid around $ -1

Structured Scenarios document - http://www.caiso.com/Documents/ESDER3BMarketSimulationStructuredScenariosFall2020.pdf

Training - http://www.caiso.com/Documents/EnergyStorage_DistributedEnergyResources_Phase3B.pdf

California ISO

Excess behind the meter production

- **Timeline:** July 27 – September 18
- **Structured:** August 25
- Note:
  - MSTT cutover TD 8/24/20 (Corresponds to Production TD 1/1/21)
  - Phase 2 (MSTT, EBTMP) Structured Scenarios - first Settling TD 8/25
  - MP needs to submit meter data by 8/28 for initial and by 9/2 for Recalc statement
  - **On 8/31, ISO terminated submitted EBTMP values from Settlements only for TD 8/25 to execute SS#1 in order to demonstrate the use of only gross load "LOAD" data for the initial statement processing**
    - EBTMP meter data was removed from Settlements only to exclude from initial statement and this submitted EBTMP meter data will be readded to Settlements for processing of the recalc statement
    - Submitted EBTMP meter data is still able to be retrieved in MRI-S
  - **Please submit EBTMP values for TD 8/25 by 9/2 for SS#2 to include in Recalc**
  - **OASIS: EBTMP report will have data for TD 8/25 when the Settlements Recalc has been processed**

Structured Scenarios document - http://www.caiso.com/Documents/MarketSimulationScenariosExcessBehindtheMeterProduction.pdf

Training - http://www.caiso.com/Documents/Presentation-Excess-Behind-Meter-Production-Training.pdf

Market settlement timeline transformation

- **Timeline:** July 27 – September 18
- **Structured:** August 25
- Note:
  - MSTT cutover TD 8/24/20 (Corresponds to Production TD 1/1/21)
  - Phase 2 (MSTT, EBTMP) Structured Scenarios - first Settling TD 8/25

Structured Scenarios document - http://www.caiso.com/Documents/MarketSimulationScenariosMarketSettlementTimeline.pdf

Training - http://www.caiso.com/Documents/Presentation-MarketSettlementsTimelineTransformationTraining.pdf

California ISO

FERC Order No. 841 requested adjustments

- **Timeline:** July 27 – September 04
- **Structured:** August 12 (Settlement statement published)

Structured Scenarios document -
http://www.caiso.com/Documents/FERC841RequestedAdjustmentsMarketSimulationStructuredScenariosFall2020.pdf

Training -
http://www.caiso.com/Documents/FERC841Training.pdf

Commitment Costs and Default Energy Bid Enhancements

- **Timeline:** July 27 – September 04

- Training - http://www.caiso.com/Documents/Presentation-CommitmentCosts-DefaultEnergyBidEnhancements.pdf

Commitment cost enhancements tariff clarifications

- **Timeline:** July 27 – September 04

Dispatch operating target tariff clarification

- **Timeline:** July 27 – September 04
- **Structured:** August 12 (Completed)

Structured Scenarios document - http://www.caiso.com/Documents/MarketSimulationScenarios-DispatchOperatingTargetTariffClarification.pdf

Training - http://www.caiso.com/Documents/Presentation-Dispatch-Operating-Target-Clarification-Training-Jul16-2020.pdf

Energy imbalance market enhancements 2020 - Independent 2020

- **Timeline**
  - **Phase 1:** August 31 – October 14
  - **Phase 2:** September 21 – October 14
- **Structured: N/A** market simulation will now be tested as unstructured with a CAISO issued guide for market participants

Structured Scenarios document -
http://www.caiso.com/Documents/MarketSimulationScenarios EnergyImbalanceMarket2020Enhancements.pdf

Energy imbalance market enhancements 2020

System	Phase 1: 8/31	Phase 2: 9/21
BAAOP	• Allow EIM entity override activation for the contingencies up to 15 in NA contingency list • Add visibility of other adjacent BAAs ETSR locks and reasons • Add Static ETSR transfer data to RTD Dispatch Control Display (ETSR tab). Add Static ETSR transfer data to BAAOP ETSR Detail Display (in RTD) • In RTD/RTPD Dispatch Control display, in Dispatch Instruction Review table, add columns for UP and DN remaining ramp capacity (5/15 minute respectively). In addition, include the sum of these columns at bottom of table. Example Calculation: RTD UP Ramp = MIN(5MinRampRate, [UpperLim-CurrentDispatch]. • Add Supplemental DOT to VER resources to Dispatch Control displays; Detail: In BAAOP RTD/RTPD Dispatch Control, add SUPP DOT column • Fix the functionality for Manual Dispatches - users should be able to utilize MSG functions, such as designating a specific configuration, and users should be able to do commitment override • EIM Entities have a notification status of market inputs, showing if BAAOP received the latest payload of critical market inputs. Example Critical data submissions: (not all inclusive)	• Fix/Improve SVG One Lines. Request to be able to view SE and telemetry values for all substation flows and elements
BSAP	• Add Manual Dispatch information to BSAP Resource Bal Viewer. Add any applicable deviations that used in the test to BSAP BAA Bal Viewer. • For the Bid Range Capacity Test Results report, Requirement Amount Column needs to publish the true requirement, not just the INCREMENTAL/DECREMENTAL requirement	N/A
RTM	• Publish the data of the MW infeasibility data and ABC Up and Down Dispatches of RTPD/RTD • Publish the effective ETSR import and export limits for the market run for RTPD and RTD • Support Pump Storage for EIM BAAs	• Publish the effective load conforming for the market run for RTPD and RTD for Binding and Advisory
CMRI	• Display and publish, download the data of the MW infeasibility data and ABC Up and Down Dispatches of RTPD/RTD • For the Bid Range Capacity Test Results report, Requirement Amount Column needs to display and publish, download the true requirement, not just the INCREMENTAL/DECREMENTAL requirement. Only upstream has changes with regards to the data that is sends to CMRI.	• Display and publish, download the data of the effective load conforming for the market run for RTPD and RTD for 1.CMRI Load Conforming Binding rpt 2. CMRI Load Conforming Advisory rpt

Trouble-shooting tips to access ADS

- Check your firewall settings.

- Clear the browser cache & cookies.

- Pop-up blockers on your browser may lead to issues accessing CAISO ADS.

- If you use a pop-up blocker, you must whitelist the CAISO domain (caiso.com)

Energy storage and distributed energy resources phase 3 - CIRA changes

CIRA

- PDR_LSR Consumption resources are not eligible for Resource Adequacy

- CIRA will not allow a PDR-LSR Consumption resource to submit a request for NQC

Master File GRDT v14 Submissions

- **Please submit GRDT v14 to MAP Stage Master File UI/API**

- GRDT 14.0

- UI: https://portalmap.caiso.com/mf

- API:

  - https://wsmap.caiso.com/sst/runtime.asvc

    - RetrieveGeneratorRDT_MFRDv5
    - RetrieveGeneratorRDT_MFRDv5_DocAttach
    - SubmitGeneratorRDT_MFRDv5
    - SubmitGeneratorRDT_MFRDv5_DocAttach

Master File	
Project	**Change**
ESDER3B	Add enumeration to GRDT: DR_TYPE of PDR_LSR
FERC841 RA	New GRDT attribute: Apply Wholesale Charge
EIM2020	New GRDT attribute: Meter Data Interval
Other	Remove from GRDT: MIN_DISP_LEVEL
CCE Tariff	New GRDT attribute: Run of River
Slow DR	New GRDT attribute: Slow DR

California ISO

Settlements Calendar

Calendar Day	CMR T+1B	Submit Meter Data by T+3B 18:00 for T+9B initial	Publish Initial Statement T+4B — T+3B Initial. Estimated by DREAMS. No Meter Data submission — INITIAL (Current MSTT)	Meter Data Due T+4B Statement — Submit Meter Data by T+4B 18:00 for Recalc — Current MSTT	Publish Initial statement T+6B — T+9B Initial. Includes Estimation — INITIAL (New MSTT)	Publish Recalc Statement T+8B — RECALC1 (Current MSTT)	Meter data due for T+70B statement — Submit Meter Data by T+6B 18:00 for Recalc — New MSTT	Publish Recalc Statement T+9B — T+70B Recalculation — RECALC (New MSTT)	Publish Market Invoice
29-Jul-20	28-Jul								
30-Jul-20	29-Jul								
03-Aug-20			28-Jul	28-Jul					
04-Aug-20			29-Jul	29-Jul					
05-Aug-20	4Aug		Monthly Initial 28-Jul - 29-Jul						Daily Initial 28-Jul, 29-Jul Monthly Initial 28-Jul - 29-Jul
06-Aug-20	5Aug								
07-Aug-20						28-Jul			
10-Aug-20			4Aug	4Aug		29-Jul			
11-Aug-20			5Aug	5Aug		Monthly Recalc 28-Jul - 29-Jul			
12-Aug-20	11-Aug		Monthly Initial 4Aug - 5Aug						Daily Recalc 28-Jul, 29-Jul Monthly Recalc 28-Jul - 29-Jul; Daily Initial 4Aug, 5Aug Monthly Initial 4Aug - 5Aug
13-Aug-20	12-Aug								
14-Aug-20							4Aug		
17-Aug-20			11-Aug	11-Aug			5Aug		
18-Aug-20			12-Aug	12-Aug		Monthly Recalc 4Aug - 5Aug			

Settlements Calendar

Calendar Day	CMR T+1B	Submit Meter Data by T+3B 18:00 for T+9B Initial	Publish Initial Statement T+4B / T+3B Initial. Estimated by DRAMS. No Meter Data submission / INITIAL (Current MSTT)	Meter Data Due T+4B Statement / Submit Meter Data by T+4B 18:00 for Recalc / Current MSTT	Publish Initial statement T+6B / T+9B Initial. Includes Estimation / INITIAL (New MSTT)	Publish Recalc Statement T+8B / RECALC1 (Current MSTT)	Meter data due for T+70B statement / Submit Meter Data by T+6B 18:00 for Recalc / New MSTT	Publish Recalc Statement T+9B / T+70B Recalculation / RECALC (New MSTT)	Publish Market Invoice
19-Aug-20	8-Aug		Monthly Initial 1-Aug - 2-Aug						Daily Recalc 4-Aug, 5-Aug Monthly Recalc 4-Aug - 5-Aug Daily Initial 1-Aug, 2-Aug Monthly Initial 1-Aug - 2-Aug
20-Aug-20	9-Aug								
21-Aug-20						1-Aug			
24-Aug-20			8-Aug	8-Aug		2-Aug			
25-Aug-20			9-Aug	9-Aug		Monthly Recalc 1-Aug - 2-Aug			
26-Aug-20	25-Aug		Monthly Initial 8-Aug - 9-Aug						Daily Recalc 1-Aug, 2-Aug Monthly Recalc 1-Aug - 2-Aug Daily Initial 8-Aug, 9-Aug Monthly Initial 8-Aug - 9-Aug
27-Aug-20	25-Aug								
28-Aug-20		25-Aug				8-Aug			
31-Aug-20		25-Aug				9-Aug			
01-Sep-20						Monthly Recalc 8-Aug - 9-Aug			
02-Sep-20	1-Sep				25-Aug			25-Aug	
03-Sep-20	2-Sep				25-Aug			25-Aug	

California ISO

Settlements Calendar

Calendar Day	CMR T+1B	Submit Meter Data by T+3B 18:00 for T+9B Initial	Publish Initial Statement T+4B / T+3B Initial. Estimated by DReAMS. No Meter Data submission / INITIAL (Current MSTT)	Meter Data Due T+4B Statement / Submit Meter Data by T+4B 18:00 for Recalc / Current MSTT	Publish Initial statement T+6B / T+9B Initial. Includes Estimation / INITIAL (New MSTT)	Publish Recalc Statement T+8B / RECALC1 (Current MSTT)	Meter data due for T+70B statement / Submit Meter Data by T+6B 18:00 for Recalc / New MSTT	Publish Recalc Statement T+9B / T+70B Recalculation / RECALC (New MSTT)	Publish Market Invoice
02-Sep-20	1-Sep				5-Aug		5-Aug		
03-Sep-20	2-Sep				6-Aug		6-Aug		
04-Sep-20		1-Sep			Monthly Initial 5-Aug - 6-Aug				
08-Sep-20		2-Sep						5-Aug	
09-Sep-20								6-Aug	Daily Initial 5-Aug, 6-Aug Monthly Initial 5-Aug - 6-Aug Daily Recalc 8-Aug, 9-Aug Monthly Recalc 8-Aug - 9-Aug
10-Sep-20					1-Sep		1-Sep	Monthly Recalc 5-Aug - 6-Aug	
11-Sep-20					2-Sep		2-Sep		
14-Sep-20					Monthly Initial 01-Sep - 02-Sep				
16-Sep-20								1-Sep	Daily Initial 01-Sep, 02-Sep Monthly Initial 01-Sep - 02-Sep Daily Recalc 5-Aug, 6-Aug Monthly Recalc 5-Aug - 6-Aug
17-Sep-20								2-Sep	
18-Sep-20							Monthly Recalc 01-Sep - 02-Sep		Daily Recalc 01-Sep, 02-Sep Monthly Recalc 01-Sep - 02-Sep

Fall 2020 Release - System Interface Changes - CCDEBE1

SIBR

Project	Change Type	API Service Name & Major Version, Artifacts	MAP Stage	Production	Technical Specifications
CCDEBE1	Modify	RetrieveCleanBidSet_SIBRv5_AP RetrieveCleanBidSet_SIBRv5_DocAttach_AP	✔ 10/16/19	✔ Deploy 7/26/20 Activation 10/1/20	13.2
CCDEBE1	Modify	RetrieveCurrentBidResults_SIBRv5_AP RetrieveCurrentBidResults_SIBRv5_DocAttach_AP	✔ 10/16/19	✔ Deploy 7/26/20 Activation 10/1/20	13.2
CCDEBE1	Modify	SubmitRawBidSet_SIBRv5_AP SubmitRawBidSet_SIBRv5_DocAttach_AP	✔ 10/16/19	✔ Deploy 7/26/20 Activation 10/1/20	13.2

CMRI

Project	Change Type	UI	API Service Name & Major Version, Artifacts	MAP Stage	Production	Technical Specifications
IMPME CCDEBE1	Modify	Tab: Default Bids Existing Report: Default Energy Bid Curves	RetrieveDefaultBidCurves_CMRIv2_AP RetrieveDefaultBidCurves_CMRIv2_DocAttach_AP	IMPME ✔ 9/12/19 CCDEBE1 ✔ 1/6/19	IMPME ✔ 1/13/19 CCDEBE1 ✔ Deploy 7/26/20 Activation 10/1/20	39.4 Release Notes 12
CCDEBE1	Modify	Tab: Default Bids Existing Report: Default Commitment Costs	RetrieveExternalDefaultCommitmentCost_CMRIv1_AP RetrieveExternalDefaultCommitmentCost_CMRIv1_DocAttach_AP	✔ 1/11/19	✔ Deploy 7/26/20 Activation 10/1/20	39.4 Release Notes 12

https://developer.caiso.com

Fall 2020 Release - System Interface Changes

ADS					
Project	**Change Type**	**Summary**	**Technical Specifications**	**MAP Stage**	**Production**
N/A	Decom	Decommission of deprecated versions	✔ 6/16/20, v8.1.0	7/27/20	10/1/20
ADS Replacement DOTTC	New	APIWebService v8 APIResponseWebService v8	✔ 6/16/20, v8.1.0 ✔ 7/21/20, v8.0.0	7/27/20	10/1/20

DRRS					
Project	**Change Type**	**Summary**	**Technical Specifications**	**MAP Stage**	**Production**
ISDER3B	Modify	SubmitDRLocations_DRRSv2_AP SubmitDRLocations_DRRSv2_DocAttach_AP SubmitDRRegistrations_DRRSv2_AP SubmitDRRegistrations_DRRSv2_DocAttach_AP RetrieveDRLocations_DRRSv2_AP RetrieveDRLocations_DRRSv2_DocAttach_AP RetrieveDRRegistrations_DRRSv2_AP RetrieveDRRegistrations_DRRSv2_DocAttach_AP	✔ 7/1/20, v3.2	7/27/20	Deploy 9/14/20

MRI-S					
Project	**Change Type**	**Summary**	**Technical Specifications**	**MAP Stage**	**Production**
BTMP	Modify	For: - MRIS Meter: Submit Meter & - MRIS Meter: Retrieve Meter additionally include BtMP measurement type values (as negative load) both Gross load and BtMP meter data would associate with same load Resource ID	✔ 5/28/20, v2.5	7/27/20	Activation 1/1/21

Page 37

Master File						
Project	Change	Change Type	Summary	Technical Specifications	MAP Stage	Production
ISDER3B	Add enumeration to GRDT: DR_TYPE of PDR_LSR	Modify	RetrieveGeneratorRDT_MFRDv5 RetrieveGeneratorRDT_MFRDv5_DocAttach SubmitGeneratorRDT_MFRDv5 SubmitGeneratorRDT_MFRDv5_DocAttach	✓ 6/12/20, v6.1 ✓ 5/28/20, v6.0	7/27/20	10/1/20
FERC841 RA	New GRDT attribute: Apply Wholesale Charge					
EIM2020	New GRDT attribute: Meter Data Interval					
Other	Remove from GRDT: MIN_DISP_LEVEL					
CCE Tariff	New GRDT attribute: Run of River					
Slow DR	New GRDT attribute: Slow DR					

https://developer.caiso.com

Fall 2020 Release - System Interface Changes

CMRI

Project	Change Type	Summary	Technical Specifications	MAP Stage	Production
N/A	Decom	Decommission of deprecated versions	✓ 5/29/20, v3.9.5	7/27/20	9/1/20
EIM2020	New	RetrieveEIMInfeasibility_CMRIv1_AP RetrieveEIMInfeasibility_CMRIv1_DocAttach_AP	✓ 5/29/20, v3.9.5	7/27/20	10/1/20
EIM2020	New	RetrieveLoadConfirming_CMRIv1_AP RetrieveLoadConfirming_CMRIv1_DocAttach_AP	✓ 5/29/20, v3.9.5	7/27/20	10/1/20
EIM2020	New	Available Balance Capacity	7/2/20	7/27/20	10/1/20

OASIS

Project	Change Type	Summary	Technical Specifications	MAP Stage	Production
N/A	Decom	Decommission of deprecated versions	✓ 5/29/20, v5.1.13	7/27/20	9/1/20
EBTMP	New	ENE_EBTMP_PERF_DATA	✓ 6/22/20 ✓ 5/29/20, v5.1.13	7/27/20	Activation 1/1/21

https://developer.caiso.com

California ISO

Introducing ISO Settlements Twitter Tool for Market Sim Updates

- Market sim updates will be made available
- Note: Will not replace any existing media communications
- Please take the opportunity to follow @ISOSettlements on Twitter by downloading the Twitter application to **any mobile device**
- Twitter feed can be accessed on **any web browser**
- **No account required** to view the Twitter feed and posts

Updates that are tweeted

Tweets	Information
• Market Simulation MAP-STAGE Master File UI and API available for Fall 2020 Release connectivity	• http://www.caiso.com/Pages/documentsbygroup.aspx?GroupID=25991DEB-2F25-4976-8958-4F04745A59AA

Submit updates to us: twitter.com/isosettlements.com Submit

Recent Tweets

Follow us on Twitter 🐦 @ISO Settlements

Reminder: DRRS UI Upgrade features

- Image icons, control buttons, label fonts have a new different color scheme

- The "Apply" and "Reset" buttons appear on the far right side of the screen, as opposed to appearing after the last display input filter

- The data grid output export filename no longer contain the user certificate name

- The application window is not maximized by default, when launching the application

- The data grid columns are no longer adjustable

- [Technical User Group Presentation 6/23](#)

California ISO

Reminder: DRRS UI Upgrade features

Current Production/Pre-Fall 2020 Release

Fall 2020 Release currently in MAP-Stage: