



California ISO

Settlement User Group

April 14, 2021

10:00 a.m. – 11:00 a.m. (Pacific Time)

Web Conference Information	Conference Call Information
Web Address: https://caiso.webex.com/meet/settlementuser Meeting Number: 961 854 046 Audio connection instructions will be available after connecting to the web conference. When prompted, select "Call me" and enter your phone number you will use during the call.	US Toll Free: 1-844-517-1271 US Toll : 1- 682-268-6591 Access Code: 961 854 046
<p>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 publically available on the ISO web page for a limited time following the meeting. The recording, and any related transcriptions, should not be reprinted without the ISO's permission. Hyperlinks in blue in PDF copy.</p> <p>The recording will be posted on our website and be available for a short period of time until April 28, 2021.</p> <p>Please mute your phone and do not put it on hold while the discussion is going on in order to eliminate background noise. Calls are structured to stimulate an honest dialogue and engage different perspectives. To ask a question after each topic, unmute yourself before asking your question, please state your name and affiliation. Thank you.</p>	



[mute](#)

Settlement User Group Agenda

Wednesday, April 14, 2021

10:00 a.m. – 11:00 a.m. (Pacific Time)

Time	Topic	Presenter
■ 10:00 – 10:02	■ Welcome and Introduction	■ Brenda Corona
■ 10:02 – 11:00	■ Settlements <ul style="list-style-type: none">■ Spring/Q1 2021 – Settlement Release Milestones■ PRR and BPM update■ Market Simulation Spring 2021 Updates■ Overview Summer Readiness 2021■ Customer Readiness 2021 Training	<ul style="list-style-type: none">■ Elizabeth Caldwell■ Brenda Corona■ Anshuman Vaidya & Assad Al- Baijat■ Luis Cantos■ Cynthia Hinman

Spring/Q1 2021 Settlement Release

- Release scope:
 - Projects:
 - Hybrid Resources Phase 1b Settlements
 - Real Time Settlement Review
 - Production defects detailed in release component summary
- 1st draft tech docs + config output file + release component summary posted – **1/19**
- 2nd draft config output file + updated release component summary posted – **2/24**
- 3rd draft config output file + updated release component summary posted - **3/17**
- 4th draft config output file + updated release component summary posted – **4/7**
- Market sim extended for spring
 - Conference calls are bi-weekly, Monday + Thursday
 - Stay current thru [Release User Group](#) (RUG), every other Tuesday 10-11am
 - Next web conference on 4/20
- Pre-prod configuration output file + release artifacts to post next week – **4/21**
- Anticipated prod deployment – **4/28**

Summer/Q2 2021 Settlement Release

- Release scope:
 - Projects:
 - Summer 2021 Readiness: Import and export market incentive
 - Production defects: *None in scope currently*
- 1st draft tech docs posted: **4/7**
- 1st draft config output file + release component summary to post: 4/21
- Market sim window: targeting 4/26 – May 21
- Market sim + RUG calls will communicate current updates, see previous slide

Draft settlement technical documents

The 1st draft configuration output file for the Q2 Summer 2021 settlements release has been posted to caiso.com under Release Planning > 2021 Releases > Summer 2021 > Draft settlement technical documents. <http://www.caiso.com/informed/Pages/ReleasePlanning/Default.aspx>


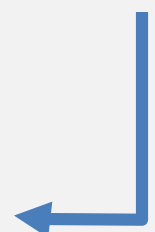
Summer Readiness Project

CG CC 6483 Hour-Ahead Scheduling Process Uplift Settlement v 5.0

CG CC 6484 Hour-Ahead Scheduling Process Uplift Settlement Allocation v 5.0

PRR and BPM Updates

[BPM Change Management application](#)

PRR	Title	Status
1322	Configuration adjustment for DA Nodal defect in charge code 4515 GMC Bid Transaction fee to re-enable the bid segment count formulas	 <p>PRRs will be discussed at the upcoming April 27 BPM meeting</p> 
1323	Configuration changes to consider bid option flag for resources that switch between 15 minute and hourly bid option within the same trade date	
1330	Configuration change to spilt allocation of any unallocated RAAIM funds leftover at year-end between generic and flexible RA and CPM types.	
1331	Configuration change to enhance dynamic resources logical meter calculation (LMC) to use hourly-integrated tag values for the trade hour to derive the logical meter value.	
1332	Configuration change adjusting the intertie attribute under Day Ahead Energy, Congestion and Loss charge code 6011 to enable unique price on Hourly Day Ahead Nodal MCL Price.	
1333	Documentation only change to clarify mapping rules for Resource Channel 4 Generator Meter Quantity for 'DDR' and 'LESR' to net the Gen measurement type with Load measurement type.	
1328	To support the Hybrid Resource Phase 1b project extension, configuration revision to retroactively charge Hybrid Resources a forecasting fee.	
1329	To support the Real Time Settlement Review - Phase 1 project, configuration revisions to allow for BCR Transfer adjustments, settling the base ETSR at unique pricing location LMP, and the elimination of the option for EIM entities to not settle Base ETSRs schedule deviations. Effective date 5/1/2021	

PRR and BPM Updates (con't)

To view all details for the PRRs in the [BPM Change Management application](#)

PRR	Title	Status for all
1335	Update CC 7020 RMR Capacity Payment BPM to clawback excess revenue when RMR designation is for System TAC Area	<ul style="list-style-type: none">Initial comment period expired on 4/13PRRs will be discussed during the April 27 and May BPM meetings
1338	Configuration change to MD over control area calculation applicable to pre and post-excess behind the meter formulas to correctly pass data into 8835 and to properly pro-rate the LAP neutrality allocation.	
1339	Configuration change to exempt both contracted internal pseudo-ties and resources with valid ETC/TOR contracts from intertie deviation settlement penalty charges calculated under charge code 6456	

Market Simulation Spring 2021 Updates

- Extended to April 23, 2021
- Settlement Trade dates are Tuesdays and Thursdays
- Any issues related to the Market Participant Portal, please submit a CIDI ticket with the field “functional environment” = “Market Simulation Spring 2021”
- [Market Simulation Settlements Calendar](#)
- [Market Simulation Plan](#)
- [Market Simulation Settlements Calendar - Summer 2021 Release](#)

Web address: <https://caiso.webex.com/meet/MarketSim>

Meeting number: 962 067 710

- Dial-in Number: 844-517-1271 (Toll Free)
- International Dial-in: 682-268-6591
- Access Code: 962 067 710

April						
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Market Simulation Spring 2021 Updates

Hybrid Resources Phase 1b -Settlements

- **Timeline:** March 15 -April 23
- Business Requirements Specification –
<http://www.caiso.com/Documents/BusinessRequirementsSpecification-HybridResourcesPhase1.pdf>

Real-time settlement review phase 1

- **Timeline:** March 15 -April 23
- **Structured:** March 16 (Complete)
- Business Requirements Specification -
<http://www.caiso.com/Documents/BusinessRequirementsSpecification-Real-TimeSettlementReview.pdf>
- Structured Scenarios document -
<http://www.caiso.com/Documents/MarketSimulationStructuredScenarios-Real-TimeSettlementReview.pdf>

Market Simulation Settlements Updates

Calendar Day	Day	CMRI T+1B	Submit Meter Data by T+3B 10:00 AM for Initial	Publish Initial Statement T+6B	Submit Meter Data by T+6B 18:00 for Recalc	Publish Recalc Statement T+9B	Publish Market Invoice
				T+9B		T+70B	
29-Mar-21	Monday		24-Mar-21	Monthly Initial 16-Mar - 18-Mar		16-Mar	Daily Initial 16-Mar; 18-Mar Monthly Initial 16-Mar - 18-Mar Daily Recalc 09-Mar; 11-Mar Monthly Recalc 09-Mar - 11-Mar
30-Mar-21	Tuesday		25-Mar				
31-Mar-21	Wednesday	30-Mar		23-Mar	23-Mar	18-Mar	
01-Apr-21	Thursday			24-Mar-21	24-Mar-21	Monthly Recalc 16-Mar - 18-Mar	
02-Apr-21	Friday	1-Apr	30-Mar	25-Mar	25-Mar		
03-Apr-21	Saturday						
04-Apr-21	Sunday						
05-Apr-21	Monday			Monthly Initial 23-Mar - 25-Mar		23-Mar	Daily Initial 23-Mar; 25-Mar Monthly Initial 23-Mar - 25-Mar Daily Recalc 16-Mar; 18-Mar Monthly Recalc 16-Mar - 18-Mar
06-Apr-21	Tuesday		1-Apr			24-Mar-21	
07-Apr-21	Wednesday	6-Apr		30-Mar	30-Mar	25-Mar	
08-Apr-21	Thursday					Monthly Recalc 23-Mar - 25-Mar	Daily Recalc 23-Mar; 25-Mar Monthly Recalc 23-Mar - 25-Mar 3/24/2021
09-Apr-21	Friday	8-Apr	6-Apr	1-Apr	1-Apr		
10-Apr-21	Saturday						
11-Apr-21	Sunday						
12-Apr-21	Monday					30-Mar	
13-Apr-21	Tuesday		8-Apr				
14-Apr-21	Wednesday	13-Apr		6-Apr	6-Apr	1-Apr	
15-Apr-21	Thursday						
16-Apr-21	Friday	15-Apr	13-Apr	8-Apr	8-Apr		

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				T+9B		T+70B	
17-Apr-21	Saturday						
18-Apr-21	Sunday						
19-Apr-21	Monday			Monthly Initial 01-Apr - 8-Apr		6-Apr	Daily Initial 1-Apr; 06-Apr; 08-Apr Monthly Initial 1-Apr - 08-Apr
20-Apr-21	Tuesday		15-Apr				
21-Apr-21	Wednesday	20-Apr		13-Apr	13-Apr	8-Apr	
22-Apr-21	Thursday					Monthly Recalc 01-Apr - 8-Apr	Daily Recalc 1-Apr; 06-Apr; 08-Apr Monthly Recalc 1-Apr - 08-Apr
23-Apr-21	Friday	22-Apr	20-Apr	15-Apr	15-Apr		
24-Apr-21	Saturday						
25-Apr-21	Sunday						
26-Apr-21	Monday			Monthly Initial 13-Apr - 15-Apr		13-Apr	Daily Initial 13-Apr; 15-Apr Monthly Initial 13-Apr - 15-Apr
27-Apr-21	Tuesday		22-Apr				
28-Apr-21	Wednesday			20-Apr		15-Apr	
29-Apr-21	Thursday					Monthly Recalc 13-Apr - 15-Apr	Daily Recalc 13-Apr; 15-Apr Monthly Recalc 13-Apr - 15-Apr
30-Apr-21	Friday			22-Apr			
01-May-21	Saturday						
02-May-21	Sunday						
03-May-21	Monday			Monthly Initial 20-Apr - 22-Apr			Daily Initial 20-Apr; 22-Apr Monthly Initial 20-Apr - 22-Apr
04-May-21	Tuesday						
05-May-21	Wednesday						
06-May-21	Thursday						
07-May-21	Friday						

Summer Readiness - HASP Uplift Settlement

6483 – PRR forthcoming

- New Settlement Charge Code

6484- New PRR forthcoming

- New Allocation Charge Code

Make Whole/Uplift Settlement for Economic Bid Hourly Block Resources with FMM Incremental Import or FMM Decremental Export.

Will be settled at the difference between FMM Bid and FMM LMP

Resources subject to HASP Reversal and IDS Penalty, and wheeling resources will be exempted from the uplift

Allocation to MD less contracts

ISO Instructor-Led Training Sessions

Visit [caiso.com](http://www.caiso.com) **Learning Center** web page to access our training calendar, register for courses and find other informational resources: <http://www.caiso.com/participate/Pages/LearningCenter/default.aspx>

Training Courses and workshops	Date and time
Welcome to the ISO (Virtual training)	April 14, 2021 (10am-12pm) <i>Today!</i>
Resource Adequacy Enhancements – Phase 1 (Virtual training)	April 21, 2021 (9am-11am)
Summer Readiness 2021 Enhancements (Virtual training)	April 27, 2021 (9am-11am) April 29, 2021 (9am-11am)
FERC 831 Phase 2 (Virtual training)	April 28, 2021 (11am-12:30pm)
Intro to ISO Workshop (Virtual workshop)	June 8 - 9, 2021 (9am-12pm)
Market Transactions (Virtual workshop)	June 15 -16, 2021 (9am-12pm)
ISO Settlements (Virtual workshop)	June 22 - 23, 2021 (9am-12pm)

ISO Computer Based Training Programs

Visit [caiso.com](http://www.caiso.com) **Learning Center** web page to access our training calendar, register for courses and find other informational resources: <http://www.caiso.com/participate/Pages/LearningCenter/default.aspx>

Computer Based Training – Settlements

There are more than [30](#) computer based training modules on the ISO website covering:

RC Settlements	http://www.caiso.com/CBT/RC-Settlements/rc-settlements.html#/
Energy Settlements Validation Practice	http://www.caiso.com/CBT/EnergySettlementsValidation/story.html
Settlement Validation Practice	http://www.caiso.com/CBT/Settlements%20Validation%20Practice/story_html5.html
Commitment Costs	http://www.caiso.com/CBT/CommitmentCosts-CBT/story.html
Settlements foundational concepts (EIM)	https://www.westerneim.com/CBT/Settlements%20Foundational%20Concepts/Settlements-FoundationalConcepts.html
Metering Overview	http://www.caiso.com/CBT/MeteringOverview/MeteringOverview.html
Settlements Process	http://www.caiso.com/CBT/SettlementsProcess/story_html5.html
Market Pricing	http://www.caiso.com/CBT/Market-Pricing/story.html

New initiatives training course on the learning center web page and retooling Settlements trainings

Settlement Corner

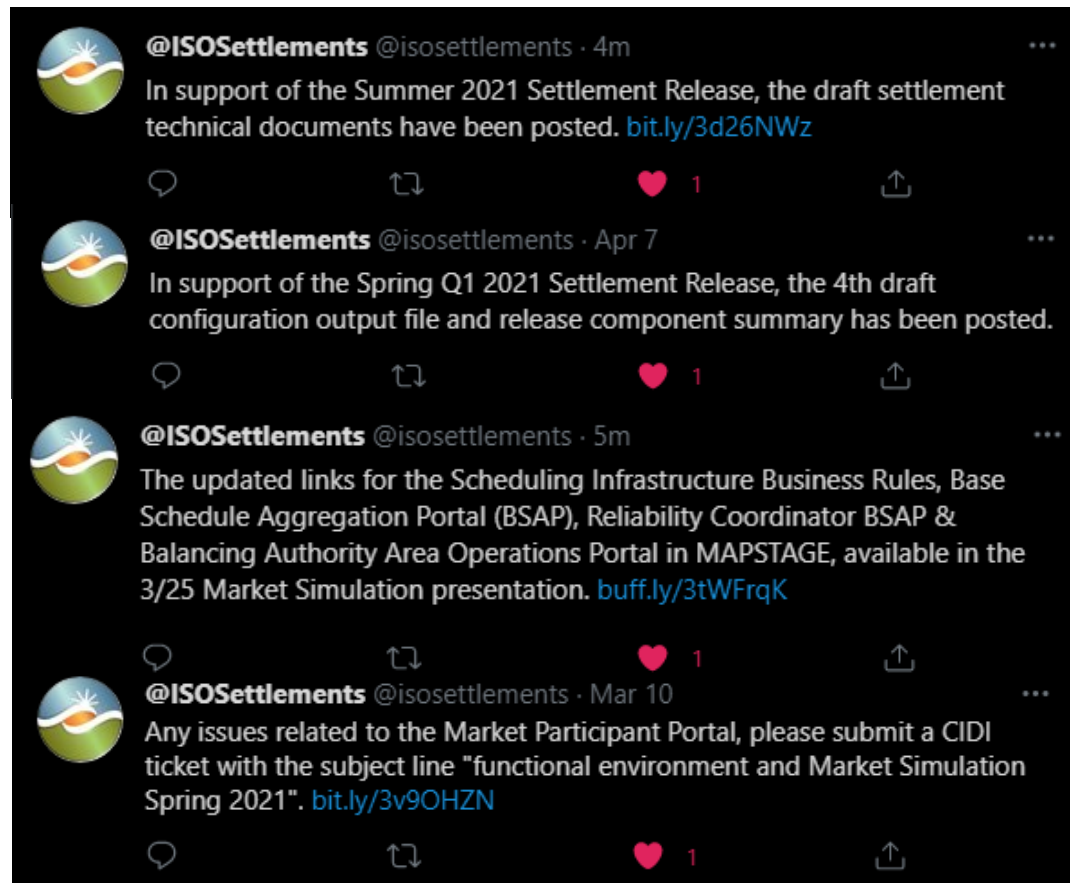
Upcoming Topics	Previous Topics	Published Knowledge Articles
<ul style="list-style-type: none">Summer Settlement Release Projects	<ul style="list-style-type: none">Storage- LinkBid Cost Recovery - LinkFERC 841- requested adjustments – LinkRenewable and energy storage - LinkFall Release Projects – LinkTransportation electrification and micro grids LinkHybrid Resource Phase 1b - LinkReal Time Settlement Review Link	<ul style="list-style-type: none">RC Informational StatementAfter-the-Fact EIM Manual Dispatches from ISO systemsValidate Mitigated prices in DA, RTPD (FMM) and RTDCalculation of meter data for TG resourcesEnergy Transfer System Resource (ETSR)Pricing node (Pnode) price used for CRR Settlement

Submit



topics to us at twitter.com/isosettlements.com

Recent Tweets



Next SUG Meeting: April 28, 2021

at 10:00 A.M



Settlement References

- Settlement User Group Calendar 2021
- Market Simulation New URLs – For MapStage
- Knowledge Articles
- ISO Settlements Twitter Page
- Ways to Participate in Settlements

Settlement User Group Calendar 2021

Market Services

Settlement User Group Meetings

Note: dates subject to change; for the latest information please visit the Calendar on www.caiso.com and follow us on Twitter @ISOSettlements



California ISO

January						
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April						
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Meeting Agenda posted Holiday

Market Simulation New URLs – For MapStage

- <https://sibr.map.caiso.com>
- <https://bsap.map.caiso.com>
- <https://rcbsap.map.caiso.com>
- <https://baaop.map.caiso.com>

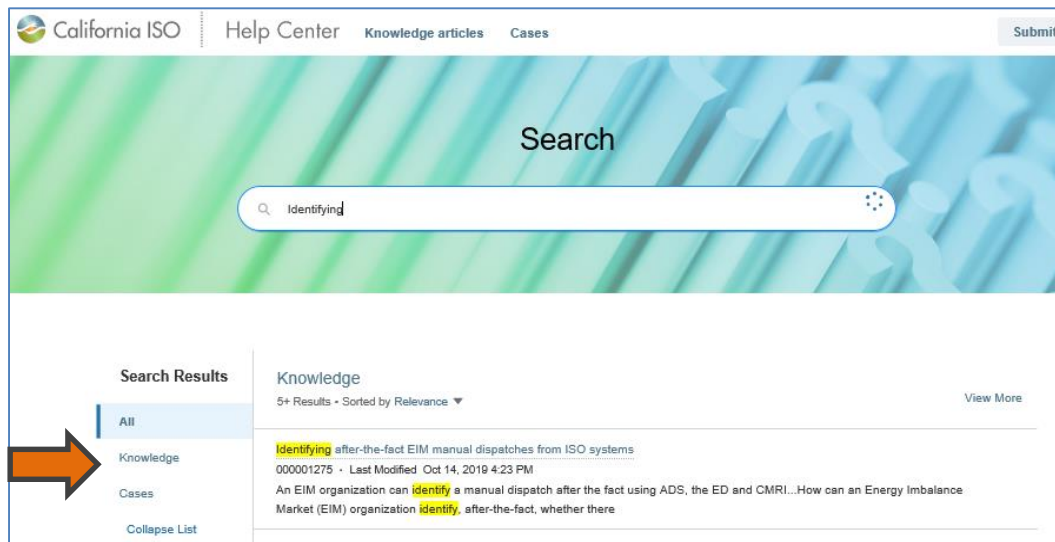
Knowledge Articles

CAISO has posted **Knowledge Articles** for FAQs in CIDI.

To access the articles in CIDI, you either:

Option 1: Type in the keyword “**Identify**” in the search field to pull up the article, or

Option 2: Click on the **Knowledge Articles** tab, and then click the **Settlements and Metering** category link to pull up a list of the Settlements related articles.



Posted Knowledge Articles to date:

- RC rate location
- RC Informational Statement
- RC services charge
- 2019 prorated RC charge
- Payment calendar
- ED-DPMIN
- After-the-Fact EIM Manual Dispatches from ISO systems
- Validate Mitigated prices in DA, RTPD (FMM) and RTD
- Calculation of meter data for TG resources
- Pricing node (Pnode) price used for CRR Settlement
- In relation to the Day-Ahead Nodal Pricing Model, the California ISO has posted a Market Analysis report to its website for market participant review. [Nodal Pricing Model Report v1](#)

ISO Settlements Twitter

- Settlement related updates
- Market sim updates
- Note: Will not replace any existing media communications
- Please take the opportunity to follow [@ISOSettlements on Twitter](https://twitter.com/ISOSettlements) 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
- Save twitter page as a 'Favorite' on your tab



Ways to participate in settlements

- ISO Settlements Twitter Page
 - <https://twitter.com/isosettlements>
- Visit the Settlements page
 - <http://www.caiso.com/market/Pages/Settlements/Default.aspx>
- Attend web conference meetings
 - Settlement User Group (SUG) bi-weekly meetings
 - Release User Group
 - Market Sim Conference Calls
 - Initiative status with settlement updates
 - <http://www.caiso.com/StakeholderProcesses/>
 - [System change with settlement updates on independent releases](#)
- BPM Change Management monthly web meeting
 - Settlement and Billing BPM status updates
 - <http://bpmcm.caiso.com/Pages/default.aspx>
 - <http://www.caiso.com/rules/Pages/BusinessPracticeManuals/Default.aspx>
 - <http://www.caiso.com/Documents/ISO-AcronymList.pdf>

Settlement User Group

Thank you for participating in our call

 Follow us on Twitter @ISO Settlements