



California ISO

# Settlement User Group

Aug 4, 2021

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

Web Conference Information	Conference Call Information
<p>Web Address: <a href="https://caiso.webex.com/meet/settlementuser">https://caiso.webex.com/meet/settlementuser</a></p> <p>Meeting Number: 961 854 046</p> <p>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.</p>	<p>US Toll Free: 1-844-517-1271</p> <p>US Toll : 1- 682-268-6591</p> <p>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 version.

The recording will be posted on our website and be available for a short period of time until Aug 24, 2021. Please  Mute your phone while the discussion is going on in order to eliminate background noise, to unmute press and hold the spacebar to temporarily unmute, double mute. 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, or enter question on the  Chat

please state your name and affiliation. Thank you.



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# Settlement User Group Agenda

Wednesday, Aug 4, 2021

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

Time	Topic	Presenter
10:00 – 10:02	Welcome and Introduction	Tyler DuBeshter
10:02 – 11:00	Settlements <ul style="list-style-type: none"><li>Upcoming Unplanned/Emergency Settlement Release</li><li>Fall/Q3 2021 Settlement Release</li><li>PRR Overview- Fall 2021</li><li>Market Simulation Settlement Calendar</li><li>ESDER Phase 4 Initiative Overview</li><li>Customer Readiness 2021 Training</li></ul>	<ul style="list-style-type: none"><li>Luis Cantos</li><li>Elizabeth Caldwell</li><li>Brenda Corona</li><li>Assad Al-Baijat</li><li>Tyler DuBeshter</li><li>Cynthia Hinman</li></ul>

# Upcoming Unplanned/Emergency Settlement Release

- Resolves a design gap from Intertie Deviation Settlement project
- Directly impacts CC 6456
- Issue: calculating a deviation and charging penalty (**CISO BAA only**) in cases of HASP market disruption
- Solution: New disruption flag BD + formula update to exempt hours where HASP market disruption occurs (flag = 1)
  
- Implementation Plan
  - Before fall to ensure corrections make T+70 statement instances
  - Functional testing wrapping up
  - Planning internal UAT
  - Draft config output file posting + PRR outlining BPM changes: **dates TBD**
  - Target 8/18 prod deployment is subject to change, dependent on testing
  - Watch for additional SUG communications

# Fall/Q3 2021 Settlement Release

- Release scope:
  - Projects with Settlement Configuration Changes:
    - ESDER Phase 4
    - Real Time Settlement Review Phase 2
    - Intertie Shadow Pricing Resolution
  - Non-project: outlined/updated in release component summary
- 1<sup>st</sup> draft tech docs posted: **5/28**
- 1<sup>st</sup> draft config output file + release component summary posted: **6/14**
- 2<sup>nd</sup> draft config output file + updated release component summary posted: **7/21**
- 3<sup>rd</sup> draft config output file + updated release component summary to post: **8/25**
- Market sim targeting: **8/30 – 10/1**:
  - Please watch for PMO communications on specifics
  - Participate in RUG - every other Tuesday meeting: next is 8/10
- Pre-prod configuration output file + release artifacts to post: **10/20**
- Anticipated prod deployment: **10/27**

# PRR Overview- Fall 2021

- Planning to submit 9 PRRs for Fall 2021
- Market Notice of PRRs will be announced: **8/31**
- Initial Comment Period: **8/31 – 9/15** at 11:59PM
- BPM Monthly meeting to discuss PRRs: **9/28** at 11 AM

**Proposed Revision Request Detail**

PRR Life Cycle: Closed

<b>PRR #</b>	1323
<b>Title</b>	To eliminate double penalty settlement for intertie resources that switch between 15 minute economic bid and hourly bid option within a given trade date
<b>Date Submitted</b>	2/8/2021 3:05 PM
<b>PRR Category</b>	C
<b>Priority</b>	Emergency
<b>Owner</b>	Corona, Brenda (CAISO)
<b>Status</b>	Closed
<b>Status End Date</b>	5/18/2021 11:59 PM
<b>Related BPM</b>	Settlements and Billing
<b>BPM Section</b>	CG CC 6456 Intertie Deviation Settlement 5.1
<a href="#">Subscribe</a>	

**Announcements**

PRR 1323 has been made available at this time to allow additional time to review and submit comments. Comment period will close 03/16/2021. PRR will be discussed during the February through April BPM meetings.

Posted On - 2/9/2021 9:35 AM

**Impact Analysis**

IA - IDS.doc

**Notes**

**Initial Comments**

No Initial Comments available for this PRR.

**Existing Language**

See BPM attached to this PRR

**Proposed Language**

See BPM attached to this PRR

**Reason For Revision**

An issue was identified through CIDI by a market participant wherein a resource was getting penalized in both the hourly and 15m category of IDS penalty settlement. After further

[Click here to view the Recommendation Details for this PRR](#)

[Click here to view the Final Decision for this PRR](#)

**Recommendation Comments**

No Recommendation Comments available for this PRR.

[Click here to view the Appeals for this PRR](#)  
[Click on the "+" icon to submit a New Appeal](#)

# of Appeals In Progress - 0  
# of Appeals Closed - 0  
# of Appeals Abandoned - 0

**Attachments**

BPM - CG CC 6456 Intertie Deviation Settlement\_5.1.doc

EXAMPLE

# Fall/Q3 2021 - Settlement Release – PRRs Forthcoming

Project	Charge Codes
<p>Intertie shadow pricing resolution</p> <p>Effective Date: 11/1/2021</p>	<p>6710 Day Ahead Congestion - AS Spinning Reserve Import Settlement v5.4            6715 Real Time Congestion - AS Spinning Reserve Import Settlement v5.3            6720 Day Ahead Congestion - AS Non-Spinning Reserve Import Settlement v5.4            6725 Real Time Congestion - AS Non-Spinning Reserve Import Settlement v5.3            6750 Day Ahead Congestion - AS Regulation Up Import Settlement v5.3            6755 Real Time Congestion - AS Regulation Up Import Settlement v5.3            6760 Day Ahead Congestion - AS Regulation Down Import Settlement v5.4            6765 Real Time Congestion - AS Regulation Down Import Settlement v5.3</p>
<p>Real-time settlement review phase 2</p> <p>Effective date: 11/1/2021</p>	<p>Real Time Congestion v5.7            64740 Real-Time Unaccounted for EIM Energy Settlement v5.3            6985 Real Time Marginal Losses Offset v5.7</p>
<p>Energy storage and distribution energy resources phase 4</p> <p>Effective date: 11/1/2021</p>	<p>RTM Net Amount v5.36</p>
<p>Short long start definition initiative</p> <p>Effective date: 11/1/2021</p>	<p>RA Availability Incentive Mechanism 5.10.0a            PC Start-Up and Minimum Load Cost v5.18</p>

# Market Simulation Calendar



## Summer 2021 Release Calendar (MAP STAGE) Apr 26, 2021 through Jul 27, 2021

Calendar Day	Day	CMRI T+1B	Submit Meter Data by T+2B 10:00 AM for Initial	Publish Initial Statement T+5B	Submit Meter Data by T+5B 18:00 for Recalc	Publish Recalc Statement T+8B	Publish Market Invoice
				T+9B		T+70B	
25-Jul-21	Sunday						
26-Jul-21	Monday						
27-Jul-21	Tuesday						
28-Jul-21	Wednesday	27-Jul					
29-Jul-21	Thursday		27-Jul				
30-Jul-21	Friday						
31-Jul-21	Saturday						
01-Aug-21	Sunday						
02-Aug-21	Monday						
03-Aug-21	Tuesday			27-Jul; Monthly Initial 27-Jul -27-Jul			Daily Initial Initial 27-Jul Monthly Initial 27-Jul -27-Jul
04-Aug-21	Wednesday						
05-Aug-21	Thursday						
06-Aug-21	Friday						

# ESDER Phase 4 Initiative Overview

- Changes to Real Time Net Amount PC
  - Allowing End-Of-Hour (EOH) State-of-charge (SOC) biddable parameter in RTM.
  - RTM Bid Cost Recovery (BCR) flagged to account for:
    - EOH SOC
    - RT Self-schedules
- If MSOC and EOH SOC Parameter exists in the same interval, BCR shall follow EOH SOC Parameter rules below.
- System will evaluate RTM Bid Cost Shortfall/Surplus for the previous and current hour from above flags for non-REM LESRs, as follows:
  - If RTM Bid Cost is  $>$  RTM Market Revenue (shortfall):
    - this interval shall be set to 0 in the daily BCR settlements;
    - If RTM Bid Cost is  $\leq$  RTM Market Revenue (surplus): there shall be no change in this interval
- These surpluses shall be included in the daily BCR settlements and used to cover shortfalls that may have been generated in other periods in the day.

# ISO Instructor-Led Training Sessions

Visit the [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
<b>Welcome to the ISO Webinar</b>	August 11, 2021 (9am – 11am)
<b>Real-time Settlements Review – Phase 2 (Tentative)</b>	August 25, 2021 (9am – 10am)
<b>Short-Long Start Definitions Training (Tentative)</b>	August 26, 2021 (1pm-2:30pm)
<b>Hybrid Resources – Phase 2a (Tentative)</b>	August 30, 2021 (10:30am-12:00pm)
<b>Energy Storage and Distributed Energy Resources – Phase 4 (Tentative)</b>	August 31, 2021 (9:30am-11:00am)
<b>Variable Operations and Maintenance Cost Review (Tentative)</b>	October 14, 2021 (11am – noon)

*All Summer Readiness related webinar recordings are available on [www.caiso.com](http://www.caiso.com) in the Learning Center and on the Summer Readiness release page.*

# ISO Computer Based Training Programs

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

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

# Settlement Corner

## Upcoming Topics

## Previous Topics

## Published Knowledge Articles

- Fall 2021 Settlement Release Projects

- Storage- [Link](#)
- Bid Cost Recovery - [Link](#)
- FERC 841- requested adjustments – [Link](#)
- Renewable and energy storage - [Link](#)
- Fall Release Projects – [Link](#)
- Transportation electrification and micro grids [Link](#)
- Real Time Settlement P2 [Link](#)

- RC Informational Statement
- 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
- Energy Transfer System Resource (ETSR)
- Pricing node (Pnode) price used for CRR Settlement

**Submit**



topics to us at [twitter.com/isosettlements.com](https://twitter.com/isosettlements.com)

# Recent Tweets

-  **@ISOSettlements** @isosettlements · 29m ...  
Market Simulation for Summer 2021 Readiness export and wheeling structured trade dates are effective 7/22/21. Go live date is scheduled for 7/29. [ow.ly/n13B50FxRNx](https://ow.ly/n13B50FxRNx)  
   
-  **@ISOSettlements** @isosettlements · Jul 8 ...  
Market Simulation for Summer 2021 Readiness export and wheeling structured trade dates are effective 7/13. Go live date is scheduled for 7/20. [ow.ly/SV3J50Fs6PF](https://ow.ly/SV3J50Fs6PF)  
   
-  **@ISOSettlements** @isosettlements · Jul 8 ...  
The Settlement User Group posts the presentation and audio from the 7/7/21 web conference call: [ow.ly/r8BT50Fqm6P](https://ow.ly/r8BT50Fqm6P)  
   
-  **@ISOSettlements** @isosettlements · Jul 6 ...  
Settlements posts pre-production configuration output file and release component summary to post for Summer 2021 Settlement Release. [ow.ly/WfMI50Fq4Vn](https://ow.ly/WfMI50Fq4Vn)  
   
-  **@ISOSettlements** @isosettlements · Jul 6 ...  
The presentations from the 6/28 and 7/1 Market Simulation conference calls have been posted. [ow.ly/fs7G50Fq4jk](https://ow.ly/fs7G50Fq4jk)  
   
-  **@ISOSettlements** @isosettlements · Jun 25 ...  
Settlements posts pre-production configuration output file and release component summary for Summer 2021 Settlement Release. [bit.ly/3hE0XgY](https://bit.ly/3hE0XgY)  
   



# 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](http://www.caiso.com) and follow us on Twitter @ISOSettlements



## California ISO

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Meeting
  Agenda posted
  Holiday

# Next SUG Meeting: Aug 18, 2021

at 10:00 A.M



# Settlement References

- Settlement User Group Calendar 2021
- 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](http://www.caiso.com) and follow us on Twitter @ISOSettlements



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Meeting
  Agenda posted
  Holiday

# 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](#)

The screenshot shows the California ISO Help Center interface. At the top, there are navigation links for 'California ISO', 'Help Center', 'Knowledge articles', and 'Cases'. A search bar is prominently displayed with the text 'Identifying' entered. Below the search bar, the search results are shown, including a 'Search Results' sidebar with 'All', 'Knowledge', 'Cases', and 'Collapse List' options. An orange arrow points to the 'Knowledge' option. The main content area shows a list of knowledge articles, with the first article titled 'Identifying after-the-fact EIM manual dispatches from ISO systems' highlighted. The article snippet includes the text: 'An EIM organization can identify a manual dispatch after the fact using ADS, the ED and CMRI...How can an Energy Imbalance Market (EIM) organization identify, after-the-fact, whether there'.

# 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

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 Follow us on Twitter @ISO Settlements