



California ISO


# Settlement User Group

March 30, 2022

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 Apr 13, 2022. 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.



[mute](#)

# Settlement User Group Agenda

Wednesday, March 30, 2022

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>JOU Pilot + Spring 2022 Release</li><li>Market Simulation Calendar</li><li>Proposed Revision Requests Update</li><li>Settlement System Upgrade</li></ul>	<ul style="list-style-type: none"><li>Elizabeth Caldwell</li><li>Assad Al-Baijat</li><li>Massih Ahmadi</li><li>Jeremy Malekos</li></ul>

# JOU Pilot April 2022 Release

- Release Scope:
  - Project: JOU pilot project
  - Non-Project: RMR dispute defect
- 1<sup>st</sup> draft tech docs posted: **11/8 JOU Pilot**
- 1<sup>st</sup> draft config output file + release component summary posted: **1/25**, contains **all** scope elements for JOU Pilot April 2022 Release + Spring 2022 Settlements Release + Hybrid Resources P2B configuration changes
- 2<sup>nd</sup> draft config output file + revised release component summary posted: **3/14**
  - Updated Settlement Design Standard posted
  - Contains JOU pilot + RMR defect changes noted below
- Market sim/sample statement window: **3/28 – 4/8**
- Pre-prod configuration output file + release artifact revisions targeting: **4/20**
- Anticipated prod deployment: **4/27**

JOU Pilot + RMR April 2022 Settlements Release Component Summary	
ISSUE SUMMARY	IMPACTS
Configuration update to ensure correct start up and transition cost settlement for RMR resources in cases where commitment extends to the adjacent market	<b>PRR 1409</b> BPM - CG PC Start-Up and Minimum Load Cost_5.18
Configuration change to implement a pilot program for Joint Ownership Units (JOU) limited to EIM participants Tucson and Public Service of New Mexico.	<b>PRR 1410</b> , <i>tech docs posted 11/8</i> BPM - CG PC Metered Energy Adjustment Factor_5.15 BPM - CG PC Start-Up and Minimum Load Cost_5.19

# Spring 2022 Settlement Release

- Release Scope:
  - Project: WEIM Resource Sufficiency Evaluation Enhancements Phase 1
  - Non-project: see scope details below
- 1<sup>st</sup> draft tech docs posted: **1/10**
- 1<sup>st</sup> draft config output file + release component summary posted: **1/25**, contains **all** scope elements for JOU Pilot April 2022 Release + Spring 2022 Settlements Release + Hybrid Resources P2B configuration changes
- 2nd draft config output file + updated release component summary to post: **4/5**: contains scope outlined below
- Sample Statement window: **4/4 – 5/4**
  - WEIM RSEE Phase 1 mkt sim start: **TBD**
- Pre-prod configuration output file + release artifacts target: **5/18**
- Anticipated prod deployment: **5/25**
- Next RUG = Tuesday, **4/5**

Late Spring May 2022 Settlements Release Component Summary	
ISSUE SUMMARY	IMPACTS
Settlement configuration changes to support EIM Resource Sufficiency Evaluation Phase 1	<b>PRR forthcoming, tech docs posted 1/10</b> BPM-CG CC 6046 Over and Under Scheduling EIM Allocation_5.4
Configuration adjustments to Shortfall and Default Loss allocation to ensure correct invoice content	<b>PRR 1421</b> BPM - CG CC 5901 Shortfall Allocation Reversal_5.0a BPM - CG CC 5910 Shortfall Allocation_5.3a BPM - CC 5912 Default Loss Allocation_5.0a
Configuration changes to ensure IDS settlement in charge code 6456 aligns to tariff clarification filing	<b>PRR 1419</b> BPM - CG CC 6456 Intertie Deviation Settlement_5.5
Configuration changes to ensure MSS deviation penalty calculation accurately accounts for Spin and Non-Spin dispatch energy.	<b>PRR 1425</b> BPM - CG PC MSS Deviation Penalty Quantity_5.8
Retroactive configuration change to EIM Over and Under Scheduling (OUS) settlement to only include ELAP/CLAP meter values for Load Imbalance OUS Quantity	<b>PRR 1422</b> BPM - CG CC 6045 Over and Under Scheduling EIM Settlement_5.3 BPM - CG CC 6046 Over and Under Scheduling EIM Allocation_5.1.1 BPM - CG CC 6046 Over and Under Scheduling EIM Allocation_5.3

# Market Simulation Calendar (EIM 2022)



## Market Simulation Calendar (MAP STAGE) Dec 01, 2021 through Mar 31, 2022

Calendar Day	Day	CMRI T+1B	Submit Meter Data by T+2B 10:00 for Initial T+9B	Publish Initial Statement T+5B T+9B	Submit Meter Data by T+5B 18:00 for Recalc T+70B	Publish Recalc Statement T+8B T+70B	Publish Market Invoice
02-Mar-22	Wednesday	1-Mar					
03-Mar-22	Thursday					17-Feb	
04-Mar-22	Friday		1-Mar	24-Feb	24-Feb	Monthly Recalc 15-Feb - 17-Feb	Daily Recalc 15-Feb; 17-Feb Monthly Recalc 15-Feb - 17-Feb
05-Mar-22	Saturday	3-Mar		Monthly Initial 22-Feb - 24-Feb		22-Feb	Daily Initial 22-Feb; 24-Feb Monthly Initial 22-Feb - 24-Feb
06-Mar-22	Sunday						
07-Mar-22	Monday		3-Mar				
08-Mar-22	Tuesday			1-Mar	1-Mar	24-Feb	
09-Mar-22	Wednesday	8-Mar				Monthly Recalc 22-Feb - 24-Feb	Daily Recalc 22-Feb; 24-Feb Monthly Recalc 22-Feb - 24-Feb
10-Mar-22	Thursday		8-Mar	3-Mar	3-Mar		
11-Mar-22	Friday			Monthly Initial 01-Mar - 03-Mar		1-Mar	Daily Initial 01-Mar; 03-Mar Monthly Initial 01-Mar -03-Mar
12-Mar-22	Saturday	10-Mar					
13-Mar-22	Sunday						
14-Mar-22	Monday		10-Mar				
15-Mar-22	Tuesday			8-Mar	8-Mar	3-Mar	
16-Mar-22	Wednesday	15-Mar				Monthly Recalc 01-Mar - 03-Mar	Daily Recalc 01-Mar; 03-Mar Monthly Recalc 01-Mar -03-Mar
17-Mar-22	Thursday		15-Mar	10-Mar	10-Mar		
18-Mar-22	Friday	17-Mar		Monthly Initial 08-Mar - 10-Mar		8-Mar	Daily Initial 08-Mar; 10-Mar Monthly Initial 08-Mar -10-Mar



## Market Simulation Calendar (MAP STAGE) Dec 01, 2021 through Mar 31, 2022

Calendar Day	Day	CMRI T+1B	Submit Meter Data by T+2B 10:00 for Initial T+9B	Publish Initial Statement T+5B T+9B	Submit Meter Data by T+5B 18:00 for Recalc T+70B	Publish Recalc Statement T+8B T+70B	Publish Market Invoice
23-Mar-22	Wednesday						
24-Mar-22	Thursday	22-Mar	22-Mar	17-Mar	17-Mar	Monthly Recalc 08-Mar - 10-Mar	Daily Recalc 08-Mar; 10-Mar Monthly Recalc 08-Mar -10-Mar
25-Mar-22	Friday						
26-Mar-22	Saturday	24-Mar		Monthly Initial 15-Mar - 17-Mar		15-Mar	Daily Initial 15-Mar; 17-Mar; Monthly Initial 15-Mar - 17-Mar
27-Mar-22	Sunday						
28-Mar-22	Monday		24-Mar				
29-Mar-22	Tuesday			22-Mar	22-Mar	17-Mar	
30-Mar-22	Wednesday	29-Mar				Monthly Recalc 15-Mar - 17-Mar	Daily Recalc 15-Mar; 17-Mar; Monthly Recalc 15-Mar - 17-Mar
31-Mar-22	Thursday		29-Mar	24-Mar	24-Mar		
01-Apr-22	Friday	31-Mar		Monthly Initial 22-Mar - 24-Mar		22-Mar	Daily Initial 22-Mar; 24-Mar; Monthly Initial 22-Mar - 24-Mar
02-Apr-22	Saturday						
03-Apr-22	Sunday						
04-Apr-22	Monday		31-Mar				
05-Apr-22	Tuesday			29-Mar	29-Mar	24-Mar	
06-Apr-22	Wednesday					Monthly Recalc 22-Mar - 24-Mar	Daily Recalc 22-Mar; 24-Mar; Monthly Recalc 22-Mar - 24-Mar
07-Apr-22	Thursday			31-Mar	31-Mar		
08-Apr-22	Friday			Monthly Initial 29-Mar - 31-Mar		29-Mar	Daily Initial 29-Mar; 31-Mar; Monthly Initial 29-Mar - 31-Mar

# Market Simulation Calendar (Spring 2022)



## Spring 2022 Market Sim Calendar (MAP STAGE) April 4, 2022 through May 4, 2022

Calendar Day	Day	CMRI T+1B	Submit Meter Data by T+2B 10:00 for Initial T+9B	Publish Initial Statement T+5B T+9B	Submit Meter Data by T+5B 18:00 for Recalc T+70B	Publish Recalc Statement T+8B T+70B	Publish Market Invoice
04-Apr-22	Monday						
05-Apr-22	Tuesday						
06-Apr-22	Wednesday	5-Apr					
07-Apr-22	Thursday		5-Apr				
08-Apr-22	Friday	7-Apr					
09-Apr-22	Saturday						
10-Apr-22	Sunday						
11-Apr-22	Monday		7-Apr				
12-Apr-22	Tuesday			5-Apr	5-Apr		
13-Apr-22	Wednesday	12-Apr					
14-Apr-22	Thursday		12-Apr	7-Apr	7-Apr		
15-Apr-22	Friday						
16-Apr-22	Saturday	14-Apr		Monthly Initial 05-Apr - 07-Apr		5-Apr	Daily Initial 05-Apr; 07-Apr; Monthly Initial 05-Apr - 07-Apr
17-Apr-22	Sunday						
18-Apr-22	Monday		14-Apr				
19-Apr-22	Tuesday			12-Apr	12-Apr	7-Apr	
20-Apr-22	Wednesday	19-Apr					Daily Recalc 05-Apr; 07-Apr; Monthly Recalc 05-Apr - 07-Apr
21-Apr-22	Thursday		19-Apr	14-Apr	14-Apr		
22-Apr-22	Friday			Monthly Initial 12-Apr - 14-Apr		12-Apr	Daily Initial 12-Apr; 14-Apr; Monthly Initial 12-Apr - 14-Apr



## Spring 2022 Market Sim Calendar (MAP STAGE) April 4, 2022 through May 4, 2022

Calendar Day	Day	CMRI T+1B	Submit Meter Data by T+2B 10:00 for Initial T+9B	Publish Initial Statement T+5B T+9B	Submit Meter Data by T+5B 18:00 for Recalc T+70B	Publish Recalc Statement T+8B T+70B	Publish Market Invoice
25-Apr-22	Monday		21-Apr				
26-Apr-22	Tuesday			19-Apr	19-Apr	14-Apr	
27-Apr-22	Wednesday						Daily Recalc 12-Apr; 14-Apr; Monthly Recalc 12-Apr - 14-Apr
28-Apr-22	Thursday	26-Apr	26-Apr	21-Apr	21-Apr	Monthly Recalc 12-Apr - 14-Apr	
29-Apr-22	Friday						Daily Initial 19-Apr; 21-Apr; Monthly Initial 19-Apr - 21-Apr
30-Apr-22	Saturday			Monthly Initial 19-Apr - 21-Apr		19-Apr	
01-May-22	Sunday						
02-May-22	Monday		28-Apr				
03-May-22	Tuesday						Daily Recalc 19-Apr; 21-Apr; Monthly Recalc 19-Apr - 21-Apr
04-May-22	Wednesday	3-May		26-Apr	26-Apr	21-Apr; Monthly Recalc 19-Apr - 21-Apr	
05-May-22	Thursday		3-May	28-Apr	28-Apr		
06-May-22	Friday						Daily Initial 26-Apr; 28-Apr; Monthly Initial 26-Apr - 28-Apr
07-May-22	Saturday			Monthly Initial 26-Apr - 28-Apr		26-Apr	
08-May-22	Sunday						
09-May-22	Monday						
10-May-22	Tuesday			3-May	3-May	28-Apr	
11-May-22	Wednesday						Daily Recalc 26-Apr; 28-Apr; Monthly REcalc 26-Apr - 28-Apr
12-May-22	Thursday					Monthly Recalc 26-Apr - 28-Apr	
13-May-22	Friday					3-May	

# PRR and BPM Updates

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

PRR	Title	BPM	Status
1409	Update configuration guides to reflect fix to RMR adjustments for startup cost	CG PC Start Up and Minimum Load Cost 5.18	Next BPM meeting scheduled on 4/26/22
1410	Update configuration guides to reflect Joint-Owned Units Pilot initiative settlement	CG PC Start Up and Minimum Load Cost 5.19 CG PC Metered Energy Adjustment Factor_5.15	Comment Period: 3/29/22-4/12/22
1419	Updated Charge Code 6456 to implement changes related to the Tariff clarification filing.	CG CC 6456 Intertie Deviation Settlement_5.5	New PRRs to be discussed during next BPM meeting scheduled on 4/26/22
1421	Updated multiple BPM Configuration guides to accommodate invoicing issues discovered during functional testing of Shortfall charge codes that have never been run in Settlements Production since their inception.	CG CC 5901 Shortfall Allocation Reversal_5.0a CG CC 5910 Shortfall Allocation_5.3a CG CC 5912 Default Loss Allocation_5.0a	
1422	Updated multiple BPM Configuration guides for CC 6045 Over and Under Scheduling EIM Settlement and 6046 Over and Under Scheduling EIM Allocation to accommodate MIAF 2021-100	CG CC 6045 Over and Under Scheduling EIM Settlement_5.3 CG CC 6046 Over and Under Scheduling EIM Allocation_5.1.1 CG CC 6046 Over and Under Scheduling EIM Allocation_5.3	
1425	Updated Charge Code PC MSS Deviation Quantity to capture Spin/NSpin Instructed Imbalance Energy under scenarios where the resource was Exceptionally Dispatched in a non-contingency interval.	CG PC MSS Deviation Penalty Quantity_5.8	
1426	Update configuration guides to support short-long start unit definitions update initiative	CG PC RA Availability Incentive Mechanism_5.10.0a CG PC Start-Up and Minimum Load Cost_5.20.0a	
1427	Updated BPM for Settlements and Billing to accommodate aligning with Annual FERC Settlement process defined in CC 550 551 FERC Fee Settlement	Settlements and Billing_v29	Comment Period: 3/29/22-4/12/22



# Settlement Upgrade Project

Jeremy Malekos

[jmalekos@caiso.com](mailto:jmalekos@caiso.com)

Manager Market Settlement Production



# Settlement Upgrade - Overview

The current settlement system, implemented in 2008 as part of the Market Redesign and Technology Upgrade (MRTU) implementation, is nearing its end of life. The CAISO is upgrading existing settlement applications to approved architectural and information security standards.

Benefits for our customers include:

- Improved business efficiency
- Better gathering and analysis for data and front-end improvements for customers interacting with CAISO Settlement Systems
- Increased transparency for some calculations
- Accommodating data processing increases resulting from new market products and an increase in market participants
- Ability to perform complex settlement calculations

# Settlements Upgrade – Get Connected

- Vendors and Market Participants plan to attend:
  - **Settlement User Group (SUG)**
    - Schedule updates, request for enhancements, Configuration change details, examples, calendar format differences etc.
- Settlement technical users plan to attend:
  - **Bi-weekly Technical User Group (TUG)** 10 AM on Tuesdays, alternating with RUG.
    - B2B Improvements and New API specifications will be presented and discussed in this meeting
    - meeting details and presentation materials are available on the CAISO Developer site at [www.developer.caiso.com](http://www.developer.caiso.com) , requires an account setup for access

*Note: Meetings are available on the CAISO calendar on [www.caiso.com](http://www.caiso.com)*

# Settlements Upgrade – Targeted Goals

- The ISO will work closely with our market participants to ensure seamless transition from e-terra 2.5 to 3.0 configuration output file.
- The ISO will provide a forum for participants to ask more technical questions.
- The ISO will provide an environment with production-like data allowing customers to validate changes.
- The system will provide settlement outputs in various file formats, allowing all customers to access and use the data in day-to-day operations.
- The ISO will strive to make formulas and inputs transparent to enable market participants to monitor and/or validate settlement results.
- The ISO will provide market participants with an extended market simulation and timely support to the market participants and their vendors during the testing phase.

# Settlements Upgrade – Targeted Goals Cont.

- From a vendor perspective:
  - ISO will provide third party vendors with support during the transition period.
  - ISO will provide an extended market simulation and/or parallel statements and invoices during the transition period so vendors can resolve defects on their systems.
  - ISO will provide open communications to resolve settlement differences through a customer forum.

# Settlements Upgrade – We would like to hear from you

- Decomposition of the settlement files
  - Migrating to OpenAPI specifications
  - Upgrading to a new output config file format
  - Any other enhancement requests?
- 
- Next steps
    - Use the CIDI process to submit comments and enhancement requests. Your submittal will be reviewed and added to a master list that will be presented at the Settlement User Group (SUG)
      - The CIDI ticket will be closed once added to the SUG master list.
      - use CIDI title – “Settlement Upgrade Enhancement”

# Settlement Upgrade - Milestone Schedule

- TBD

# 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 **40** CBT 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>
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>
Real-Time Settlements	★	<a href="http://www.caiso.com/CBT/Real-TimeSettlements/Real-TimeSettlements.html">http://www.caiso.com/CBT/Real-TimeSettlements/Real-TimeSettlements.html</a>
Post-Market Settlements	★	<a href="https://www.caiso.com/CBT/Post-Market-Settlements/Post-Market-Settlements.html">https://www.caiso.com/CBT/Post-Market-Settlements/Post-Market-Settlements.html</a>
Convergence Bidding Settlements	★	<a href="https://www.caiso.com/CBT/ConvergenceBiddingSettlements/ConvergenceBiddingSettlements.html">https://www.caiso.com/CBT/ConvergenceBiddingSettlements/ConvergenceBiddingSettlements.html</a>

Also new initiatives training presentations and videos can be found on the Learning Center web page!

# Settlement Corner

Upcoming Topics	Previous Topics	Published Knowledge Articles
<ul style="list-style-type: none"><li>• <a href="#">JOU April Release</a></li><li>• <a href="#">Spring 2022 Release</a></li><li>• <a href="#">Fall 2022 Release</a></li></ul>	<ul style="list-style-type: none"><li>• Renewable and energy storage - <a href="#">Link</a></li><li>• Fall Release Projects – <a href="#">Link</a></li><li>• Transportation electrification and micro grids <a href="#">Link</a></li><li>• Real Time Settlement P2 <a href="#">Link</a></li><li>• ESDER P2 <a href="#">Link</a></li><li>• UFE election process for RT Settlement P2 <a href="#">Link</a></li><li>• Real Time Settlement Initiative – UFE Settlement – <i>presented Oct 13</i> <a href="#">Link</a></li><li>• Ancillary Services NO PAY (AS NO PAY) Knowledge Article- <a href="#">Link</a></li></ul>	<ul style="list-style-type: none"><li>• RC Informational Statement</li><li>• After-the-Fact EIM Manual Dispatches from ISO systems</li><li>• Validate Mitigated prices in DA, RTPD (FMM) and RTD</li><li>• Calculation of meter data for TG resources</li><li>• Energy Transfer System Resource (ETSR)</li><li>• Pricing node (Pnode) price used for CRR Settlement</li></ul>

**Submit**

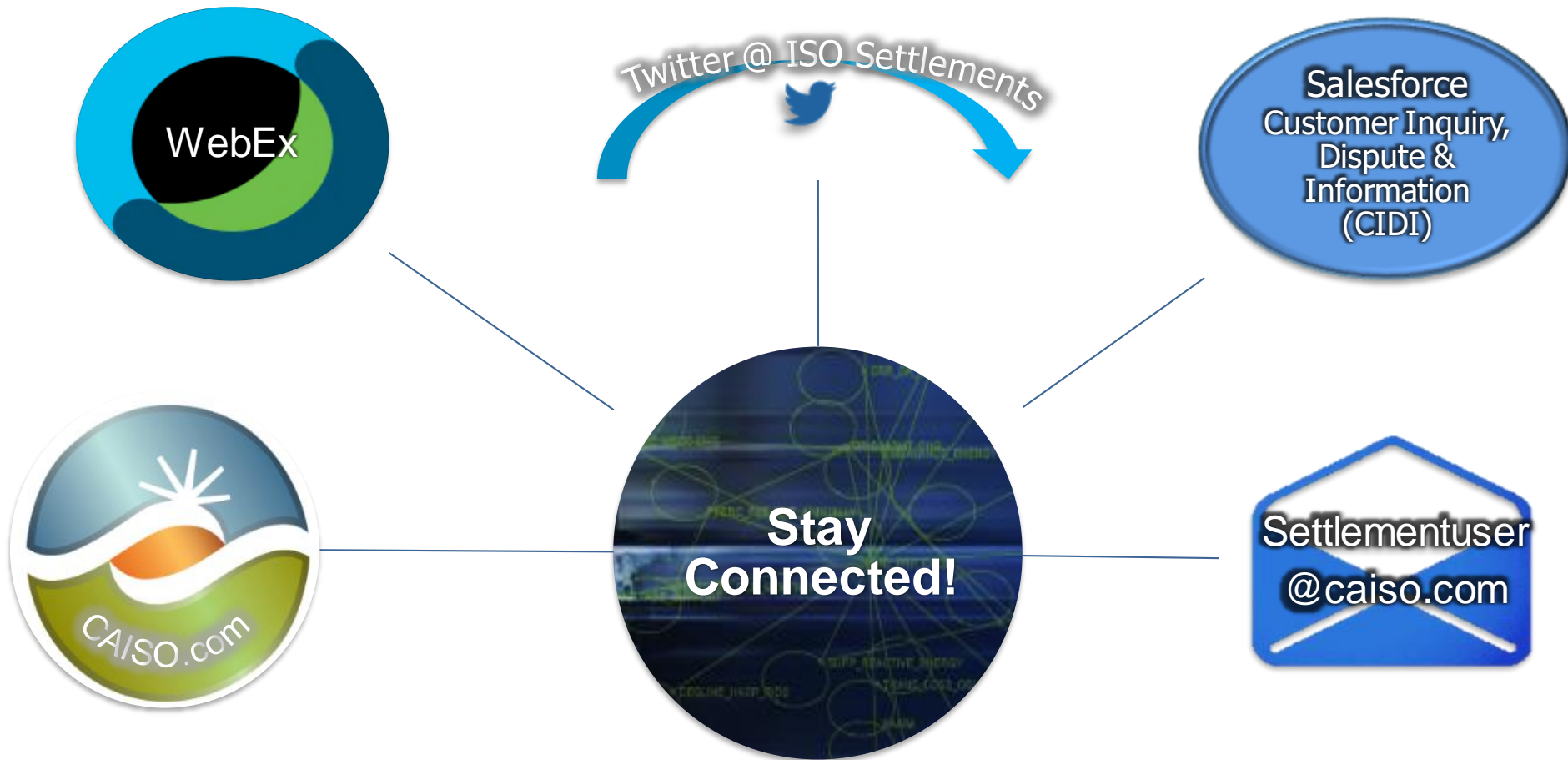


topics to us at [twitter.com/isosettlements.com](https://twitter.com/isosettlements.com)



# Next SUG Meeting: April 13, 2022

at 10:00 A.M



# Settlement User Group Calendar 2022

January						
Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

February						
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27	28					

March						
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April						
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May						
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29	30	31				

June						
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July						
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31						

August						
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28	29	30	31			

September						
Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
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18	19	20	21	22	23	24
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October						
Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

November						
Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

December						
Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
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11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Meeting
  Agenda posted
  Holiday

 Follow us on Twitter @ISOSettlements for our latest updates

# Settlement References

- Unscheduled Directed Recalculation Statements and Invoices
- NERC/WECC Invoice – presented Sep 1
- Knowledge Articles
- ISO Settlements Twitter Page
- Ways to Participate in Settlements

# Unscheduled Directed Recalculation Statements and Invoices

- On Dec. 9, 2021, the California ISO will publish unscheduled directed recalculation settlement statements reflecting the resolution of a dispute with a market participant. On the same day, the ISO will issue separate invoices for these amounts with a payment due date of December 15.
- A calendar reflecting the revised publication date, review period and invoicing is available on the ISO website at <http://www.caiso.com/market/Pages/Settlements/Default.aspx> under the *Retroactive settlements > Recalculation settlements > Unscheduled directed* subheading.
- The settlement files will be available under run type Daily Rerun Market trading dates Oct. 10, 2012, and Feb. 16, 2018. The details for October 10, 2012 will be in the comment field of the bill determinant file. Customer Service will provide the details for February 16, 2018, to affected market participants. Any disputes of charges appearing on the unscheduled directed recalculation settlement statements must be submitted by **Wednesday, January 12, 2022**.

# NERC/WECC Invoice

- The ISO published preliminary NERC/WECC statements and invoices for 2022 NERC/WECC charges to the Market Results Interface-Settlements (MRI-S) and the Secure File Transfer Protocol (SFTP) server on August 20, 2021. The charges for assessment year 2022 appear on the NERC/WECC initial statement under charge code (CC) 6490, with January 1, 2020 as the trade date.
- The preliminary NERC/WECC charge rate for assessment year 2022 is provided below for scheduling coordinators' information pursuant to ISO Tariff section 11.20.4.

Item	Value	Unit
Total NERC/WECC Charge for Assessment Year 2022	10,170,748.45	\$
Total NERC/WECC Metered Demand for Calendar Year 2020	216,770,798.8	MWh
Preliminary NERC/WECC Charge Rate for Assessment Year 2022	0.046919366	\$/MWh

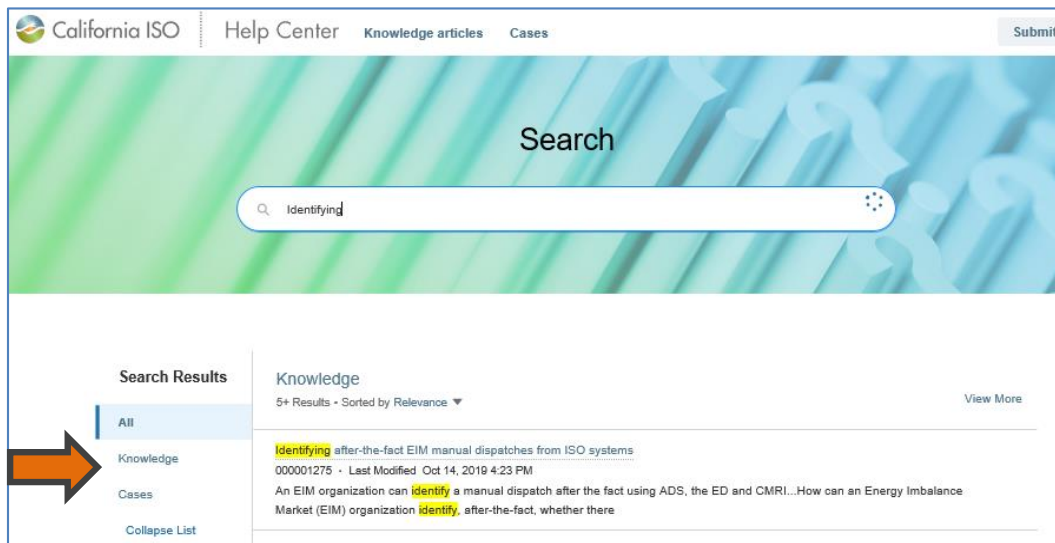
# Knowledge Articles

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.



California ISO Help Center Knowledge articles Cases Submit

Search

Identifying

Search Results Knowledge 5+ Results - Sorted by Relevance View More

All Knowledge Cases Collapse List

Identifying after-the-fact EIM manual dispatches from ISO systems  
000001275 · Last Modified Oct 14, 2019 4:23 PM  
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

**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

- 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 **Chrome or Edge**
- **No account required** to view the Twitter feed and posts
- Save twitter page as a 'Favorite' on your tab
- Settlement related updates
- Market sim updates



# 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

This is the last slide to this presentation