



California ISO

# Settlement User Group

November 9, 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>
<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.</p> <p>The recording will be posted on our website and be available for a short period of time until November 23rd , 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.</p>	



[mute](#)

# Settlement User Group Agenda

Wednesday, November 9, 2022

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

Time	Topic	Presenter
▪ 10:00 – 10:02	▪ Welcome and Introduction	▪ Massih Ahmadi
▪ 10:02 – 11:00	▪ Settlements <ul style="list-style-type: none"><li>▪ Fall 2022 Release</li><li>▪ Winter 2022 Emergency Release</li><li>▪ Market Simulation Calendar</li><li>▪ Config Changes for Mid-Month PTO</li><li>▪ RC Services</li><li>▪ Annual/Monthly RA Supply Deadlines</li><li>▪ Training Update</li></ul>	<ul style="list-style-type: none"><li>▪ Elizabeth Caldwell</li><li>▪ Elizabeth Caldwell</li><li>▪ Assad Al-Baijat</li><li>▪ Phillip Boudreau</li><li>▪ Massih Ahmadi</li><li>▪ Massih Ahmadi</li><li>▪ Cynthia Hinman</li></ul>

# Fall 2022 Settlement Release

- Release Scope:
  - Projects requiring settlement configuration changes: **Hybrid Resource P2B, FRP Deliverability, WEIM Enhancements Avangrid**
  - Projects with direct settlement impact: **Central Procurement Entity**
  - Project with indirect settlement impact: **RDRR P2** (BPM only)
  - Non-project: scope communicated on 7/19
- 3rd draft config output file posted later than target: **posted 8/30** vs 8/23
- Market Sim Window: **8/22 – 11/10, extended**
  - Calls are bi-weekly, Monday + Thursday
- Fall 2022 Release Target Activation Date change to **12/1**
  - Pre-prod config output file + release artifacts target: **11/17**
  - Anticipated prod deployment: **11/30**
  - Next RUG = **11/1**

# Winter 2022 Emergency Settlement Release

- Release Scope:
  - Configuration changes to accommodate mid-month PTO
- 1st draft config output file + emergency PRR target: **11/16**
- 2nd draft config output file: **only if needed**
- Target activation is retro: **10/1/22 with T + 70B statement**
  - Pre-prod config output file + release artifacts target: **12/21**
  - Anticipated prod deployment: **12/28**

# Market Simulation Calendar (Fall 2022)



## Fall2022 Market Sim Calendar (MAP STAGE) Aug 22, 2022 through Nov 11, 2022

Calendar Day	Day	CMRI T-1B	Data by T+2B 10:00 for Initial T-9B	Publish Initial Statement T+5B T-9B	Data by T+5B 18:00 for Recalc T-70B	Publish Recalc Statement T+8B T-70B	Publish Market Invoice
17-Oct-22	Monday		13-Oct				
18-Oct-22	Tuesday			11-Oct	11-Oct	6-Oct	
19-Oct-22	Wednesday	18-Oct				Monthly Recalc 4-Oct - 6-Oct	Daily Recalc 4-Oct; Daily Recalc 6-Oct; Monthly Recalc 4-Oct - 6-Oct
20-Oct-22	Thursday		18-Oct	13-Oct	13-Oct		
21-Oct-22	Friday	20-Oct		Monthly Initial 11-Oct - 13-Oct		11-Oct	Daily Initial 11-Oct; Daily Initial 13-Oct; Monthly Initial 11-Oct - 13-Oct
22-Oct-22	Saturday						
23-Oct-22	Sunday						
24-Oct-22	Monday		20-Oct				
25-Oct-22	Tuesday			18-Oct	18-Oct	13-Oct	
26-Oct-22	Wednesday	25-Oct				Monthly Recalc 11-Oct - 13-Oct	Daily Recalc 11-Oct; Daily Recalc 13-Oct; Monthly Recalc 11-Oct - 13-Oct
27-Oct-22	Thursday		25-Oct	20-Oct	20-Oct		
28-Oct-22	Friday	27-Oct		Monthly Initial 18-Oct - 20-Oct		18-Oct	Daily Initial 18-Oct; Daily Initial 20-Oct; Monthly Initial 18-Oct - 20-Oct
29-Oct-22	Saturday						
30-Oct-22	Sunday						
31-Oct-22	Monday		27-Oct				
01-Nov-22	Tuesday			25-Oct	25-Oct	20-Oct	
02-Nov-22	Wednesday	1-Nov				Monthly Recalc 18-Oct - 20-Oct	Daily Recalc 18-Oct; Daily Recalc 20-Oct; Monthly Recalc 18-Oct - 20-Oct
03-Nov-22	Thursday		1-Nov	27-Oct	27-Oct		
04-Nov-22	Friday	3-Nov		Monthly Initial 25-Oct - 27-Oct		25-Oct	Daily Initial 25-Oct; Daily Initial 27-Oct; Monthly Initial 25-Oct - 27-Oct
05-Nov-22	Saturday						
06-Nov-22	Sunday						
07-Nov-22	Monday		3-Nov				
08-Nov-22	Tuesday			1-Nov	1-Nov	27-Oct	
09-Nov-22	Wednesday	8-Nov				Monthly Recalc 25-Oct - 27-Oct	Daily Recalc 25-Oct; Daily Recalc 27-Oct;
10-Nov-22	Thursday		8-Nov	3-Nov	3-Nov		
11-Nov-22	Friday	10-Nov		Monthly Initial 01-Nov - 03-Nov		1-Nov	Daily Initial 01-Nov; Daily Initial 03-Nov; Monthly Initial 01-Nov - 03-Nov
12-Nov-22	Saturday						
13-Nov-22	Sunday						
14-Nov-22	Monday		10-Nov				
15-Nov-22	Tuesday			8-Nov	8-Nov	3-Nov	
16-Nov-22	Wednesday					Monthly Recalc 01-Nov - 03-Nov	Daily Recalc 01-Nov; Daily Recalc 03-Nov;
17-Nov-22	Thursday			10-Nov	10-Nov		
18-Nov-22	Friday			Monthly Initial 08-Nov - 10-Nov		8-Nov	Daily Initial 08-Nov; Daily Initial 10-Nov; Monthly Initial 08-Nov - 10-Nov
19-Nov-22	Saturday						
20-Nov-22	Sunday						
21-Nov-22	Monday						
22-Nov-22	Tuesday					10-Nov	
23-Nov-22	Wednesday					Monthly Recalc 08-Nov - 10-Nov	Daily Recalc 08-Nov; Daily Recalc 10-Nov;



California ISO

# Config Changes for Mid-Month PTO

Phillip Boudreau

ISO Public

# Config Changes for Mid-Month PTO

## - Overview

The HVAC allocations in CC 374 HVAC Revenue Payment will be off for all PTOs when the October 2022 Monthly initial is run.

That is because the CC 374 configuration will not recognize that Vernon is no longer a PTO as of 10/7/2022 and will continue to pull in Vernon TRR which impacts all PTOs since certain formulations within CC 374 depend on PTO TRR percentages. Calcs specific to Vernon will additionally be off because since it is no longer a PTO certain calculations will calculate incorrectly or not at all because drivers specific to PTOs will not generate for Vernon after Vernon becomes a non-PTO on 10/7/2022.

- The first six days of Oct will calculate correctly for all PTOs
- This will not be an issue for Settlement of November 2022
- A Dec 2022 Emergency Release will correct this issue and when T+70B calculates for October 2022 we will have configuration updates in place that will true-up the whole month for all PTOs.

# RC Services

## RC Services

- RC Info Submittal Window – 09/01/2022 – 09/30/2022
  
- Informational Statement:
  - **Publishes: 10/31/2022**
  - Customer Review Period Resubmittal Window: 11/01/2022 – 11/30/2022
  
- Statement and Invoice:
  - 2023 Initial & 2022 Recalculation Publishes: 01/03/2023
  - Payment Due: Thursday, 02/02/23
  
- RC West Payment Calendar:  
<http://www.caiso.com/Documents/RCWestAnnualPaymentsCalendar.pdf>

## HANA Services

- No updates

# Annual/Monthly RA Supply Deadlines

- First Annual/Monthly RA Supply/Plan submission deadlines that will include CPE

<b>MF and CIRA availability for registrations</b>	✓ <b>Oct 13, 2022</b>
<b>RA/Supply Plan due dates for 2023 annual plans</b>	✓ <b>Oct 31, 2022</b>
<b>RA/Supply Plan due date for Jan 2023 monthly plans</b>	<b>Nov 17, 2022</b>
<b>Full project effective trade date</b>	<b>Jan 1, 2023</b>

# ISO Training Schedule

Training Course	Date and time
ISO Workshop – Intro to Markets	March, 2023
ISO Workshop – Market Transactions	March, 2023
ISO Workshop – ISO Settlements	March, 2023

Are you looking for more training?

The ISO Learning Center has computer based training available for lots of topics. Check out the Learning Center:

<http://www.caiso.com/participate/Pages/LearningCenter/default.aspx>



CustomerReadiness@caiso.com

# Settlement Corner

Upcoming Topics	Previous Topics	Published Knowledge Articles
<ul style="list-style-type: none"><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>

# Next SUG Meeting: November 23, 2022 at 10:00 A.M

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# 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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27	28	29	30	31		

April						
Su	Mo	Tu	We	Th	Fr	Sa
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17	18	19	20	21	22	23
24	25	26	27	28	29	30

May						
Su	Mo	Tu	We	Th	Fr	Sa
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8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

June						
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		

July						
Su	Mo	Tu	We	Th	Fr	Sa
					1	2
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17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

August						
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				

September						
Su	Mo	Tu	We	Th	Fr	Sa
					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	

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
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

Meeting
  Agenda posted
  Holiday

## Settlement References

- Unscheduled Directed Recalculation Statements and Invoices – presented Jul 20
- NERC/WECC Invoice – presented Sep 14
- Knowledge Articles
- Ways to Participate in Settlements

# Unscheduled Directed Recalculation Statements and Invoices

- The California ISO will publish unscheduled directed recalculation settlement statements under run type Daily Rerun Market on July 25, 2022 for the trading days April 1, 2017 thru July 30, 2018. The statements will reflect the outcome of updated wheeling access charge rates under Federal Energy Regulation Commission (FERC) order ER-17-998.
- A calendar reflecting the 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 California ISO has posted the following updated wheeling access charge rates effective as noted below on its [settlements webpage](#), under the Transmission access charge rates/Wheeling rates/Wheeling rates 2017 and 2018 subheadings.

# Unscheduled Directed Recalculation Statements and Invoices

- These rates will be included in the unscheduled directed recalculation settlement calculation of transmission access charge transactions starting on the following trade dates:

Wheeling Access Rates	FERC Order	FERC Order Date
Rates effective Apr. 21, 2017	DATC Path 15, LCC 2017 TRR information under Docket Number ER17-998	May. 26, 2022
Rates effective Jan. 1, 2018	DATC Path 15, LCC 2017 TRR information under Docket Number ER17-998	May. 26, 2022
Rates effective Ju1. 22, 2018	DATC Path 15, LCC 2017 TRR information under Docket Number ER17-998	May. 26, 2022

- Disputes may be submitted in accordance with section 11.29.8.4.8 of the ISO Tariff. Adjustments for any valid disputes related to incremental data changes will be reflected on a subsequent recalculation settlement statement.
- The market notice can be found in the <http://www.caiso.com/dailybriefing/Pages/default.aspx>

# NERC/WECC Preliminary Statements and Invoices for AY 2023 Published

- The California ISO has published preliminary NERC/WECC statements and invoices for 2023 NERC/WECC charges to the Market Results Interface-Settlements (MRI-S) and the Secure File Transfer Protocol (SFTP) server on August 15, 2022. The charges for assessment year 2023 appear on the NERC/WECC Initial statement under charge code (CC) 6490, with January 1, 2021 as the trade date.
- The preliminary NERC/WECC charge rate for assessment year 2023 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 2023	10,390,938.72	\$
Total NERC/WECC Metered Demand for Calendar Year 2021	216,037,246.08	MWh
Preliminary NERC/WECC Charge Rate for Assessment Year 2023	0.048097904	\$/MWh

- Payments for the preliminary NERC/WECC charges are due by 10:00 a.m. (Pacific Time) on September 14, 2022, pursuant to ISO Tariff section 11.20.5.
- On May 9, 2022, the ISO posted NERC/WECC information files to the MRI-S and the SFTP server in accordance with the approved tariff provisions for review by scheduling coordinators.

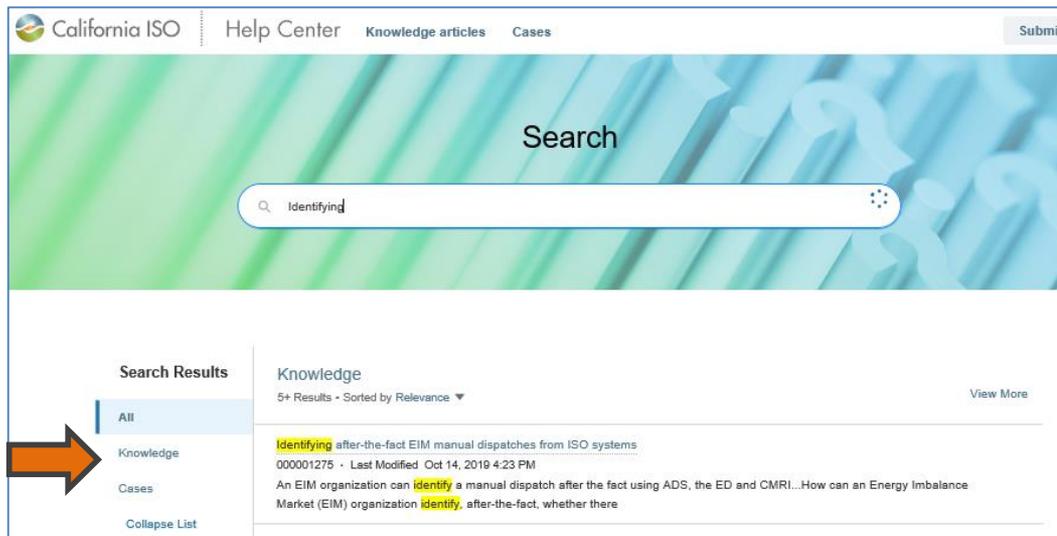
# Knowledge Articles

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 a

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](#)

# Ways to participate in settlements

- 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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This is the last slide to this presentation