



# Settlement User Group

December 21, 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 January 4<sup>th</sup> , 2023. 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, December 21, 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>▪ Winter 2022 Emergency Release</li><li>▪ Market Simulation Calendar</li><li>▪ Proposed Revision Requests Update</li><li>▪ Training Update</li></ul>	▪ Elizabeth Caldwell ▪ Assad Al-Baijat ▪ Massih Ahmadi ▪ Cynthia Hinman

# Winter/December 2022 Emergency Settlement Release

- Release Scope:
  - Configuration changes to accommodate mid-month PTO
- 1st draft config output file + emergency PRR 1476 posted: **11/16**
- 2nd draft config output file posted: **12/7**
  - True up the draft provided with late add to CC 701 from fall release (PRR 1481)
  - No additional changes for mid-mth PTO
- Target activation is retro: **10/1/22 with T + 70B statement**
  - Pre-prod config output file + release artifacts posted **yesterday: 12/20**
  - Prod deployment target updated: change from **12/28 to 12/21 (today)**
    - Corporate freeze on prod activities
    - Changes the impacted T+9B December dates for HVAC CC 372 and CC 374 monthly from **Dec 16– Dec 31<sup>st</sup>** to **Dec 12 – Dec 31**

# EIM Market Sim 2023 Calendar (MAP STAGE)



## Market Sim 2023 Calendar (MAP STAGE) Dec 01, 2022 through Jan 31, 2023

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

Cal ISO Holiday

# PRR and BPM Updates

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

PRR	PRR Title	Stage
1476	Emergency PRR - Updated multiple BPM Configuration guides to accommodate configuration issue related to PTO Vernon leaving CAISO Market mid-month	Initial
1481	Emergency PRR - Settlement configuration changes from market sim review to support Hybrid Resources Phase 2B initiative and ensure non-hybrid resources selecting ISO forecast receive forecast fee	Initial

# ISO Training Schedule

Training Course	Date and time
Hybrid Resources Phase 2B Refresher Training	January 24 9am – 11am PPT
FRP Refinements – Deliverability Refresher Training	January 25 1pm – 2:30pm PPT
ISO Workshop: Introduction to ISO Markets	March 7 and 8 9am – 12pm PPT
ISO Workshop: Market Transactions	March 14 and 15 9am – 12pm PPT
ISO Workshop: ISO Settlements	March 21 and 22 9am – 12pm PPT

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>



# 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: January 4<sup>th</sup>, 2023 at 10:00 A.M

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# Settlement User Group Calendar 2023

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						
Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
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12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

March						
Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
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19	20	21	22	23	24	25
26	27	28	29	30	31	

April						
Su	Mo	Tu	We	Th	Fr	Sa
						1
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9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

May						
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			

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	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					

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	31		

September						
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

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						

# 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

## 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 for AY 2023

- The California ISO published the final North American Electric Reliability Corporation/Western Electricity Coordinating Council (NERC/WECC) charge statements and invoices for assessment year 2023 to the Market Results Interface-Settlements (MRI-S) and the Secure File Transfer Protocol (SFTP) server on Dec. 1, 2022. Statement and invoice files can be retrieved in MRI-S by setting the post date to 12/01/2022. Statement and invoice file sets are available on MRI-S and SFTP for 45 calendar days after publication. Scheduling coordinators (SCs) are advised to download the files for validation purposes and future reference.
- The charges appear on the NERC/WECC final statements and invoices under charge code (CC) 6490, with Jan. 1, 2021 as the trade date.
- Payments for the final NERC/WECC charges are due by 10 a.m. (Pacific Time) on Dec. 22, 2022, pursuant to ISO Tariff section 11.20.5.
- The final NERC/WECC charge rate for assessment year 2023 is provided below for scheduling coordinators' information pursuant to Section 11.20.4 of ISO Tariff.

Item	Value	Unit
Total NERC/WECC Charge for Assessment Year 2023	9,044,037.00	\$
Total NERC/WECC Metered Demand for Calendar Year 2021	216,037,246.08	MWh
Final NERC/WECC Charge Rate for Assessment Year 2023	0.041863323	\$/Mwh

# 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.

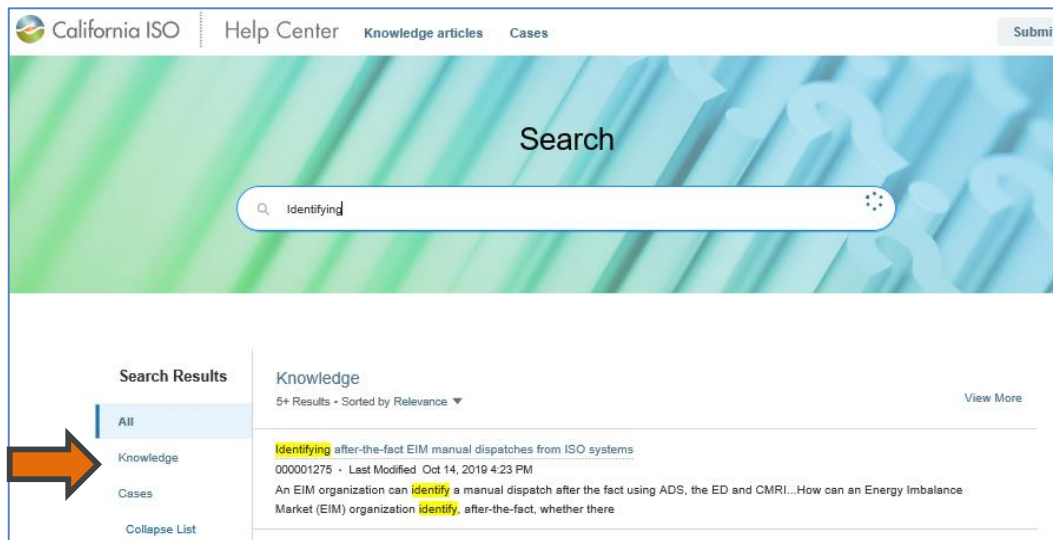
# Knowledge Articles

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

All Knowledge Cases Collapse List

Knowledge  
5+ Results • Sorted by Relevance View More

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