



Settlement User Group

December 7, 2022

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

Web Conference Information	Conference Call Information
<p>Web Address: https://caiso.webex.com/meet/settlementuser</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 December 21st, 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, December 7, 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">▪ Fall 2022 Release▪ Winter 2022 Emergency Release▪ Market Simulation Calendar▪ Config Changes for Mid-Month PTO▪ NERC/WECC for AY 2023▪ Proposed Revision Requests Update▪ Training Update	▪ Elizabeth Caldwell ▪ Elizabeth Caldwell ▪ Assad Al-Baijat ▪ Phillip Boudreau ▪ Kathryn Wills ▪ Massih Ahmadi ▪ Cynthia Hinman

Fall 2022 Settlement Release

- Deployed to production 11/30 with the release components + activation dates as summarized in the table below
- ISO will be extending FRP mkt sim meetings once per week thru 2/1
- Next RUG = **12/13**

Fall 2022 Settlements Release Component	Activation/Effective Dates
Hybrid Resources Phase 2B initiative, PRR 1454	Change from 12/1/22 to 2/1/23
Configuration change for non-hybrid for Hybrid Resources Phase 2B initiative, PRR 1481	Change from 12/1/22 to 2/1/23
Flexible Ramping Product Deliverability Improvements initiative + WEIM Avangrid enhancements, PRR 1460	Change from 12/1/22 to 2/1/23
Configuration changes to Unaccounted for Energy charge code 64740 for WIEM Avangrid, PRR 1461	No change, stays 12/1/22
Central Procurement Entity initiative, PRR 1455	No change, stays 1/1/23
Configuration changes to RAIM pre-calculation, PRR Not Applicable	No change, stays at 12/1/22
Configuration change for Shortfall charge code 5910, PRR Not Applicable	No change, stays 4/1/09
Configuration change for RUC and Spin/Non-Spin No Pay formulas, PRR 1452	No change, stays 12/1/22
Configuration changes to charge code 64600 and 64700, PRR 1458	No change, stays at 12/1/22
Configuration change to Real-Time Ancillary Services imports congestion charge codes, PRR 1457	No change, stays at 1/1/20

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: **targeting 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 target: **12/21**
 - Anticipated prod deployment: **12/28**

DITL 2023 Calendar MAP STAGE



DITL 2023 Calendar (MAP STAGE) Nov 01, 2022 through Nov 30, 2022

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
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	15-Nov				Monthly Recalc 01-Nov - 03-Nov	Daily Recalc 01-Nov; Daily Recalc 03-Nov; Monthly Recalc 01-Nov - 03-Nov
17-Nov-22	Thursday		15-Nov	10-Nov	10-Nov		
18-Nov-22	Friday	17-Nov		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		17-Nov				
22-Nov-22	Tuesday			15-Nov	15-Nov	10-Nov	
23-Nov-22	Wednesday	22-Nov				Monthly Recalc 08-Nov - 10-Nov	Daily Recalc 08-Nov; Daily Recalc 10-Nov; Monthly Recalc 08-Nov - 10-Nov
24-Nov-22	Thursday						
25-Nov-22	Friday						
26-Nov-22	Saturday						
27-Nov-22	Sunday						
28-Nov-22	Monday		22-Nov	17-Nov	17-Nov		Daily Initial 15-Nov; Daily Initial 17-Nov; Monthly Initial 15-Nov - 17-Nov
29-Nov-22	Tuesday			Monthly Initial 15-Nov - 17-Nov		15-Nov	
30-Nov-22	Wednesday	29-Nov					
01-Dec-22	Thursday		29-Nov	22-Nov	22-Nov	17-Nov	
02-Dec-22	Friday					Monthly Recalc 15-Nov - 17-Nov	Daily Recalc 15-Nov; Daily Recalc 17-Nov; Monthly Recalc 15-Nov - 17-Nov
03-Dec-22	Saturday						
04-Dec-22	Sunday						
05-Dec-22	Monday						
06-Dec-22	Tuesday			29-Nov	29-Nov	22-Nov	
07-Dec-22	Wednesday			Monthly Initial 22-Nov - 29-Nov			Daily Initial 22-Nov; Daily Initial 29-Nov; Monthly Initial 22-Nov - 29-Nov
08-Dec-22	Thursday						
09-Dec-22	Friday					29-Nov	
10-Dec-22	Saturday						
11-Dec-22	Sunday						
12-Dec-22	Monday						Daily Recalc 22-Nov; Daily Recalc 29-Nov; Monthly Recalc 22-Nov - 29-Nov
13-Dec-22	Tuesday					Monthly Recalc 22-Nov - 29-Nov	
14-Dec-22	Wednesday						
15-Dec-22	Thursday						
16-Dec-22	Friday						



California ISO

Update to 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.

- 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.
- **Due to Settlement cycle/deployment date conflict the December T+9B for HVAC CC 372 and CC 374 monthly will only reflect Dec16 – Dec 31st. True-up will occur on T+70B for same month.**

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

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
ISO Workshop – Intro to Markets	March 7 and 8, 2023 9am – 12pm
ISO Workshop – Market Transactions	March 14 and 15, 2023 9am - 12pm
ISO Workshop – ISO Settlements	March 21 and 22, 2023 9am – 12pm

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">• Fall 2022 Release	<ul style="list-style-type: none">• Renewable and energy storage - Link• Fall Release Projects – Link• Transportation electrification and micro grids Link• Real Time Settlement P2 Link• ESDER P2 Link• UFE election process for RT Settlement P2 Link• Real Time Settlement Initiative – UFE Settlement – <i>presented Oct 13</i> Link• Ancillary Services NO PAY (AS NO PAY) Knowledge Article- Link	<ul style="list-style-type: none">• 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

Next SUG Meeting: December 21st, 2022 at 10:00 A.M



Settlement User Group Calendar 2022

January						
Su	Mo	Tu	We	Th	Fr	Sa
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2	3	4	5	6	7	8
9	10	11	12	13	14	15
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30	31					

February						
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27	28					

March						
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April						
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May						
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22	23	24	25	26	27	28
29	30	31				

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

July						
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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
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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
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18	19	20	21	22	23	24
25	26	27	28	29	30	

October						
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23	24	25	26	27	28	29
30	31					

November						
Su	Mo	Tu	We	Th	Fr	Sa
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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.

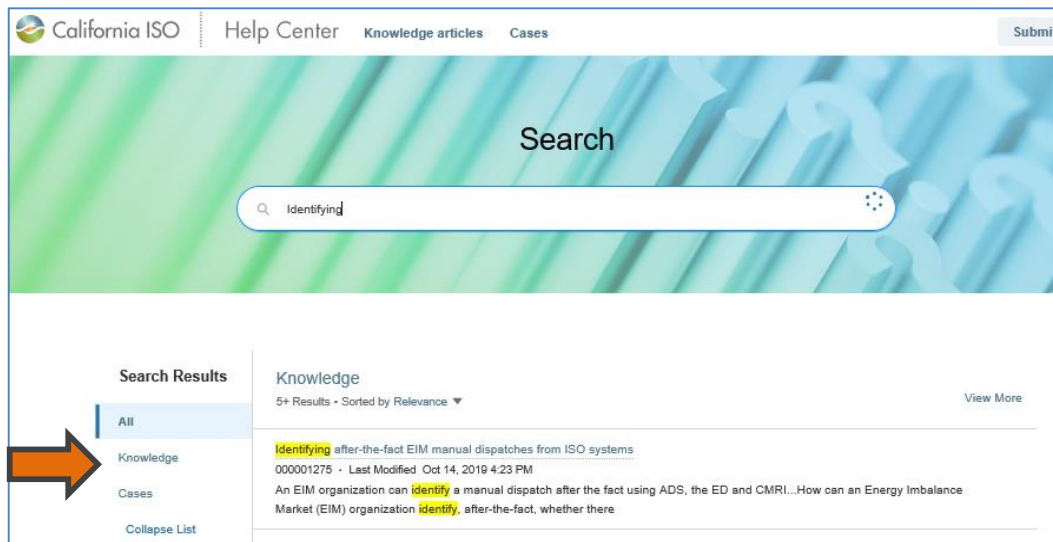
Knowledge Articles

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

Search

Identifying

Search Results

All Knowledge Cases Collapse List

Knowledge
5+ Results • Sorted by Relevance

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>

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 User Group

Thank you for participating in our call

This is the last slide to this presentation