



California ISO

Settlement User Group

August 16, 2023

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: 1-844-621-3956</p> <p>US Toll : 1- 650-479-3208</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 August 30th, 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, August 16, 2023

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 2023 Settlements Release▪ Fall 2023 Market Sim▪ NERC/WECC Preliminary Statements and Invoices for AY 2024▪ Updates on publication delays▪ Dispute Topics▪ Proposed Revision Requests Update▪ Training Update	▪ Elizabeth Caldwell ▪ Assad Al-Baijat ▪ Kathryn Wills ▪ Karen Voong ▪ Manoj George ▪ Massih Ahmadi ▪ Cynthia Hinman

2023 Fall Settlements Release

- Project scope with direct settlement impact:
 - **Energy Storage Enhancements (ESE) Track 2**
- Non-project scope: *shared via release component summary email send on 7/26*
- Key Deliveries:
 - Energy Storage tech docs: **posted 2/17**
 - 1st draft config file + release component summary: **posted 7/26**
 - Remaining deliveries:
 - 2nd draft config file + release component summary target: **8/30**
 - Pre-prod draft config file target: **10/18**
 - Prod deployment target: **10/25**
 - Prospective activation: **11/1, recently announced in TUG**

2023 Fall Settlements Release Market Sim



Market Simulation Fall 2023 Calendar (MAP STAGE) Aug 28, 2023 through Sep 28, 2023

Calendar Day	Day	CMRI T+1B	Submit Meter Data by T+2B 10:00 for Initial T+9B	Publish Initial Statement T+9B	Submit Meter Data by T+5B 18:00 for Recalc T+70B	Publish Recalc Statement T+8B T+70B	Publish Market Invoice
28-Aug-23	Monday						
29-Aug-23	Tuesday						
30-Aug-23	Wednesday	29-Aug					
31-Aug-23	Thursday						
01-Sep-23	Friday	31-Aug					
02-Sep-23	Saturday						
03-Sep-23	Sunday						
04-Sep-23	Monday						
05-Sep-23	Tuesday		31-Aug				ISO Holiday
06-Sep-23	Wednesday	5-Sep		29-Aug	29-Aug		
07-Sep-23	Thursday		5-Sep				
08-Sep-23	Friday	7-Sep		31-Aug	31-Aug		
09-Sep-23	Saturday						
10-Sep-23	Sunday						
11-Sep-23	Monday		7-Sep			29-Aug	Daily Initial 29-Aug; Daily Initial 31-Aug; Monthly Initial 29-Aug - 31-Aug;
12-Sep-23	Tuesday			Monthly Initial 29-Aug - 31-Aug 5-Sep	5-Sep		
13-Sep-23	Wednesday	12-Sep				31-Aug	
14-Sep-23	Thursday		12-Sep	7-Sep	7-Sep		Daily Recalc 29-Aug; Daily Recalc 31-Aug; Monthly Recalc 29-Aug - 31-Aug;
15-Sep-23	Friday	14-Sep				Monthly Recalc 29-Aug - 31-Aug 5-Sep	Daily Initial 05-Sep; Daily Initial 07-Sep; Monthly Initial 05-Sep - 07-Sep;
16-Sep-23	Saturday			Monthly Initial 05-Sep - 07-Sep			
17-Sep-23	Sunday						
18-Sep-23	Monday		14-Sep				
19-Sep-23	Tuesday			12-Sep	12-Sep	7-Sep	
20-Sep-23	Wednesday	19-Sep					Daily Recalc 05-Sep; Daily Recalc 07-Sep; Monthly Recalc 05-Sep - 07-Sep;
21-Sep-23	Thursday		19-Sep	14-Sep	14-Sep		
22-Sep-23	Friday	21-Sep				12-Sep	Daily Initial 12-Sep; Daily Initial 14-Sep; Monthly Initial 12-Sep - 14-Sep;
23-Sep-23	Saturday			Monthly Initial 12-Sep - 14-Sep			
24-Sep-23	Sunday						
25-Sep-23	Monday		21-Sep				
26-Sep-23	Tuesday			19-Sep	19-Sep	14-Sep	
27-Sep-23	Wednesday	26-Sep					Daily Recalc 12-Sep; Daily Recalc 14-Sep; Monthly Recalc 12-Sep - 14-Sep;
28-Sep-23	Thursday		26-Sep	21-Sep	21-Sep	Monthly Recalc 12-Sep - 14-Sep	
29-Sep-23	Friday	28-Sep				19-Sep	Daily Initial 19-Sep; Daily Initial 21-Sep; Monthly Initial 19-Sep - 21-Sep;
30-Sep-23	Saturday			Monthly Initial 19-Sep - 21-Sep			
01-Oct-23	Sunday						
02-Oct-23	Monday		28-Sep				
03-Oct-23	Tuesday			26-Sep	26-Sep	21-Sep	
04-Oct-23	Wednesday						Daily Recalc 19-Sep; Daily Recalc 21-Sep; Monthly Recalc 19-Sep - 21-Sep;
05-Oct-23	Thursday			28-Sep	28-Sep	Monthly Recalc 19-Sep - 21-Sep	
06-Oct-23	Friday					26-Sep	Daily Initial 26-Sep; Daily Initial 28-Sep; Monthly Initial 26-Sep - 28-Sep;
07-Oct-23	Saturday			Monthly Initial 26-Sep - 28-Sep			
08-Oct-23	Sunday						
09-Oct-23	Monday						
10-Oct-23	Tuesday					28-Sep	
11-Oct-23	Wednesday						Daily Recalc 26-Sep; Daily Recalc 28-Sep; Monthly Recalc 26-Sep - 28-Sep;
12-Oct-23	Thursday					Monthly Recalc 26-Sep - 28-Sep	
13-Oct-23	Friday						
01-Nov-23	Wednesday						Production

NERC/WECC Preliminary Statements and Invoices for AY 2024 Published

- The California ISO has published preliminary NERC/WECC statements and invoices for 2024 NERC/WECC charges to the Market Results Interface-Settlements (MRI-S) and the Secure File Transfer Protocol (SFTP) server on August 8, 2023. The charges for assessment year 2024 appear on the NERC/WECC Initial statement under charge code (CC) 6490, with January 1, 2022 as the trade date.
- The preliminary NERC/WECC charge rate for assessment year 2024 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 2024	9,119,549.92	\$
Total NERC/WECC Metered Demand for Calendar Year 2022	217,841,042.29	MWh
Preliminary NERC/WECC Charge Rate for Assessment Year 2024	0.041863323	\$/MWh

- Payments for the preliminary NERC/WECC charges are due by 10:00 a.m. (Pacific Time) on September 6, 2023, pursuant to ISO Tariff section 11.20.5.
- On June 2, 2023, 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.

Updates on publication delays

- Publication delays occurred on calendar day 08/01/2023 and 08/09/2023
 - 08/01/2023
 - Root Cause: issues with SFTP server. Moved Settlements application to back-up location
 - Publication of all statements were completed at 3:01PM
 - 08/09/2023
 - Root Cause: resolved SFTP server issue. Returned Settlements application to primary location
 - Publication of TD 11/5/2020 was completed at 11:12AM
 - All issues have been resolved. No further delays expected

Settlements User Group – 08/16/2023

Dispute Topics:

Manoj George

Issue#1: Incorrect FMM and Real-Time Instructed Imbalance Energy WEIM Settlements.

Description of the issue:

An issue was introduced in a recent patch resulted in missing FMM-IIE and RTD-IIE Settlements for the Base ETSR resources for “TO” BAA (Non-Tagging BAA).

- Impacted Trade Dates: 7/21/2023 through 7/24/2023
- Impacted BAA: All WEIM entities.
- Impacted resources: All Non-Tagging Base ETSR resources.
- Impacted Charge Codes:
 - FMM-IIE EIM Settlement (CC64600),
 - RTD-IIE EIM Settlement (CC64700) and
 - Real-Time Imbalance Energy Offset EIM.

Issue#2: Incorrect Real-Time Uninstructed Energy WEIM Settlements.

Description of the issue:

An issue was inadvertently introduced in a recent patch which resulted in incorrect Base Schedule energy of 0MW for DDR, Hybrid and LESR resource types. This created incorrect UIE Settlements.

- Impacted Trade Dates: 7/22/2023 through 7/25/2023
- Impacted BAA: All WEIM entities.
- Impacted resources: DDR, Hybrid and LESRs
- Impacted Charge Codes:
 - RTD-UIE EIM Settlement (CC64750) and
 - Real-Time Imbalance Energy Offset EIM.

Issue#3: Expected Energy Types did not get processed correctly in Settlements.

Description of the issue:

Due to a payload processing issue, Expected Energy Data did not get transferred correctly to Settlements.

- Impacted Trade Dates: 7/26/2023, 7/29/2023 and 7/30/2023
- Impacted BAAs: CAISO and WEIM entities.
- Impacted resources: All resources except Base ETSR resources.
- Impacted Charge Groups:
 - Imbalance Energy (CC6460, 64600, 6470, 64700, 64750, 6477 and 64770).
 - Bid Cost Recovery (CC6620, 66200, 6678 and 66780).
 - Flexible Ramp (CC7071, 7077 and 7087) and
 - GMC (4564).

Timeline for the Corrections

Issues	Impacted Trade Dates	Settlement Statement
1	7/21/2023 through 7/24/2023	T+70B
2	7/22/2023 through 7/25/2023	T+70B
3	7/26/2023, 7/29/2023, 7/30/2023	T+70B

CAISO has reviewed all the issues holistically and will be making corrections to all the impacted Trade Dates and Resources on T+70B Settlement Statement.

Please wait until CAISO publishes T+70B Settlement Statement to file SDS dispute to CAISO if not seeing the expected results.

Questions



PRR and BPM Updates

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

PRR	PRR Title	Stage
1522	Dispute - Based Schedule is not accounted for in Settlements when WEIM resources are in pumping mode	Initial

ISO Training Schedule

Training Course	Date and time
Operations Notification System (ONS) Tool Training	August 24 9:00am – 10:00am PPT
WAGHG Pre-Market Sim Training	August 28 10:00am - 11:00am PPT
RSEE Phase 2, Track 2 Pre-Market Sim Training	August 29 8:30am – 10:00am PPT
Transmission Registry Upgrade Training	September 6 9:00am – 10:00am PPT
Energy Storage Enhancements Track 2 Pre-Market Sim Training	September 13 10:30am – 12:30am PPT

New! Use our Fall 2023 [Pre-Training Release Survey](#) to submit topics that you would like to see covered in the upcoming training.

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>



Next SUG Meeting: August 30th, 2023 at 10:00 A.M



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
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26	27	28				

March						
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26	27	28	29	30	31	

April						
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30						

May						
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21	22	23	24	25	26	27
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June						
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July						
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August						
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27	28	29	30	31		

September						
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October						
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22	23	24	25	26	27	28
29	30	31				

November						
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		

December						
Su	Mo	Tu	We	Th	Fr	Sa
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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 West Initial and Recalculation Statement and Invoice Published January 3, 2023

- RC West has published the Reliability Coordinator (RC) Services Initial and recalculation statements and invoices for the period provided below to the Market Results Interface-Settlements (MRI-S) and the Secure File Transfer Protocol (SFTP) server on **Jan. 3, 2023**.

Statement	Bill Period
RC Services Initial	1/1/2023 - 12/31/2023
RC Services Recalculation	1/1/2022 - 12/31/2022

- The above RC Services statement and invoice files can be retrieved in MRI-S under the Reliability Coordination tab by selecting RC Services Initial, RC Services Recalc, or RC Services Invoices as the file types and setting the post date to Jan. 3, 2023.
- Statement and invoice file sets are available on MRI-S and SFTP for 45 calendar days after publication. RC Customers are advised to download the files for validation purposes and future reference.
- Payments for the invoices are due no later than 10 a.m. (Pacific Time) on **Feb. 2, 2023**.

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.

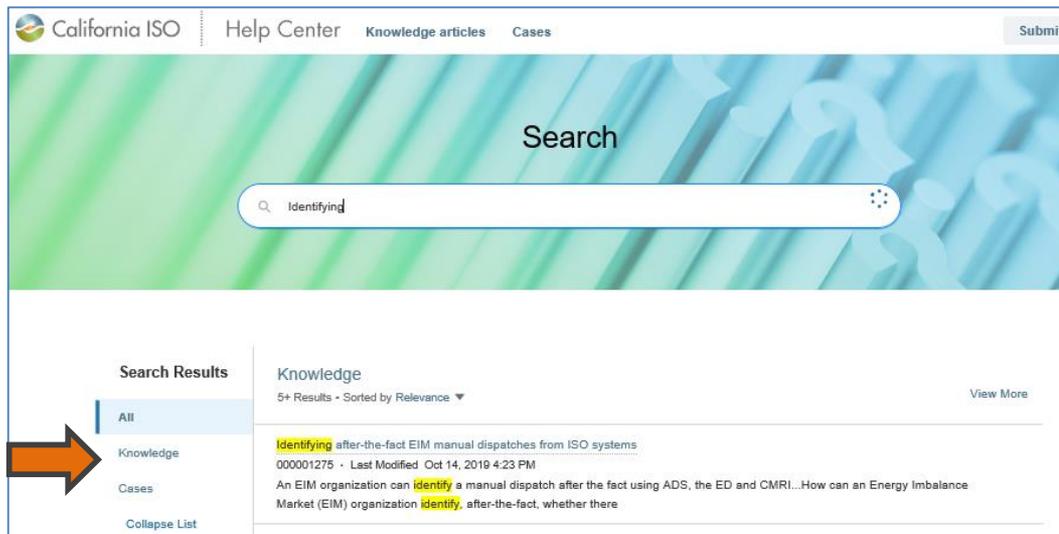
Knowledge Articles

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 Case

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

This is the last slide to this presentation