



California ISO

Settlement User Group

June 21, 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>
<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 July 5th, 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.</p> <p>To ask a question after each topic, unmute yourself before asking your question, or enter question on the chat</p> <p style="text-align: center;">please state your name and affiliation. Thank you.</p>	



[mute](#)

Settlement User Group Agenda

Wednesday, June 21, 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">▪ Summer Settlements Release 2023▪ Market Simulation Calendar▪ Proposed Revision Requests Update▪ Training Update	▪ Elizabeth Caldwell ▪ Assad Al-Baijat ▪ Massih Ahmadi ▪ Massih Ahmadi

2023 Summer Settlements Release

- Summer release activations rescheduled from 6/1 to 7/1
- Project scope with direct settlement impact:
 - Ancillary Service State of Charge Constraint – *retro activation (9/20/22)*
 - WEIM Resource Sufficiency Evaluation Enhancements Phase 2 Track 1
 - Hybrid Resources Phase 2C
- Non-project scope: *see release component summary email*
- Key Deliveries
 - A/S SOC & Hybrid Phase 2C tech docs: **posted 2/13**
 - Energy Storage & WEIM tech docs: **posted 2/21**
 - 1st draft config file + release component summary: **posted 3/15**
 - 2nd draft config file + release component summary: **posted 4/5**
 - 3rd draft config file: **posted 4/27**
 - 4th draft config file: **posted 5/23**
 - **5th draft config file: posted 5/31** – AS SOC Constraint configuration update to include the presence of AS Awards in the same interval as an AS SOC Constraint Flag as an additional condition for BCR shortfall eligibility
 - Final draft config file: **on track for today 6/21**
 - Prod deployment: **on track for 6/28**
 - Prospective activation: **7/1**
- Mkt Sim forums = **6/22 recurrences M + Th @ 2pm**
- **RUG Tuesday = 6/27**

Market Simulation Pre-Summer 2023 Calendar (MAP STAGE)



Market Simulation Pre-Summer 2023 Calendar (MAP STAGE) May 1, 2023 through May 30, 2023

Calendar Day	Day	CMRI T+1B	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
01-May-23	Monday						
02-May-23	Tuesday						
03-	05-Jun-23	Monday		1-Jun		23-May	
04-	06-Jun-23	Tuesday			30-May		
05-	07-Jun-23	Wednesday					Daily Initial 23-May; Daily Initial 25-May; Daily Initial 30-May
06-			6-Jun		Monthly Initial 23-May - 30-May		Monthly Initial 23-May - 30-May
07-						25-May	
08-	08-Jun-23	Thursday		6-Jun	1-Jun		
09-	09-Jun-23	Friday				30-May	Daily Recalc 23-May; Daily Recalc 25-May; Daily Recalc 30-May
10-			8-Jun			Monthly Recalc 23-May - 30-May	Monthly Recalc 23-May - 30-May;
11-							
12-	10-Jun-23	Saturday					
	11-Jun-23	Sunday					
13-	12-Jun-23	Monday		8-Jun			
14-	13-Jun-23	Tuesday			6-Jun		1-Jun
15-	14-Jun-23	Wednesday	13-Jun				
16-	15-Jun-23	Thursday		13-Jun	8-Jun		
17-	16-Jun-23	Friday					Daily Initial 01-Jun; Daily Initial 06-Jun; Daily Initial 08-Jun;
18-	17-Jun-23	Saturday	15-Jun		Monthly Initial 01-Jun - 08-Jun		Monthly Initial 01-Jun - 08-Jun
19-	18-Jun-23	Sunday					
20-	19-Jun-23	Monday		15-Jun			
21-	20-Jun-23	Tuesday			13-Jun		8-Jun
22-	21-Jun-23	Wednesday					Daily Recalc 01-Jun; Daily Recalc 06-Jun; Daily Recalc 08-Jun;
23-	22-Jun-23	Thursday				Monthly Recalc 01-Jun - 08-Jun	Monthly Recalc 01-Jun - 08-Jun
24-	23-Jun-23	Friday			15-Jun		
25-	24-Jun-23	Saturday			Monthly Initial 13-Jun - 15-Jun		Daily Initial 13-Jun; Daily Initial 15-Jun;
						13-Jun	Monthly Initial 13-Jun - 15-Jun
26-May-23	Friday		25-May		Monthly Initial 16-May - 18-May		Daily Initial 16-May; Daily Initial 18-May
27-May-23	Saturday					16-May	Monthly Initial 16-May - 18-May;
28-May-23	Sunday						
29-May-23	Monday						
30-May-23	Tuesday		25-May				
31-May-23	Wednesday		30-May		23-May		18-May
01-Jun-23	Thursday						Monthly Recalc 16-May - 18-May
02-Jun-23	Friday			30-May			Daily Recalc 16-May; Daily Recalc 18-May
03-Jun-23	Saturday				25-May		Monthly Recalc 16-May - 18-May
04-Jun-23	Sunday						
05-Jun-23	Monday						23-May
06-Jun-23	Tuesday				30-May		
07-Jun-23	Wednesday					30-May	
08-Jun-23	Thursday						Daily Initial 23-May; Daily Initial 25-May; Daily Initial 30-May
09-Jun-23	Friday				Monthly Initial 23-May - 30-May		Monthly Initial 23-May - 30-May
10-Jun-23	Saturday						25-May
11-Jun-23	Sunday						
12-Jun-23	Monday						30-May
13-Jun-23	Tuesday						Monthly Recalc 23-May - 30-May
14-Jun-23	Wednesday						Daily Recalc 23-May; Daily Recalc 25-May; Daily Recalc 30-May
15-Jun-23	Thursday						Monthly Recalc 23-May - 30-May;

PRR and BPM Updates

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

PRR	PRR Title	Stage
1491	Ancillary Service State of Charge Constraint	Recommendation
1492	WEIM Resource Sufficiency Evaluation Phase 2	Recommendation
1493	Dispute - Updated BPM Configuration guide for PC CG PC System Resource Deemed Delivered Energy Quantity to accommodate Logical Meter Calculator scenarios where the E-tag is curtailed mid-hour	Recommendation
1494	Dispute - Updated CG PC MSS Deviation Penalty Quantity to accurately account for Resources with SPIN/NSPIN dispatches outside contingency intervals	Recommendation
1495	Dispute - Updated multiple BPM Configuration guides to accommodate MSP allocating one sided charge or payment neutrality adjustments to measured demand in CC 8989 and CC 8999 while also achieving revenue neutrality	Recommendation
1499	Hybrid Phase 2C	Recommendation

ISO Training Schedule

Training Course	Date and time
Energy Storage Enhancements Refresher (webinar) NEW!	June 22 9am – 10am PPT
ISO Workshop: Introduction to ISO Markets (webinar)	August 8 and 9 9am – 12pm PPT
ISO Workshop: Market Transactions (webinar)	August 15 and 16 9am – 12pm PPT
ISO Workshop: ISO Settlements (webinar)	August 22 and 23 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>



Next SUG Meeting: July 5th, 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
			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				

March

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	

April

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						

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
					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 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.

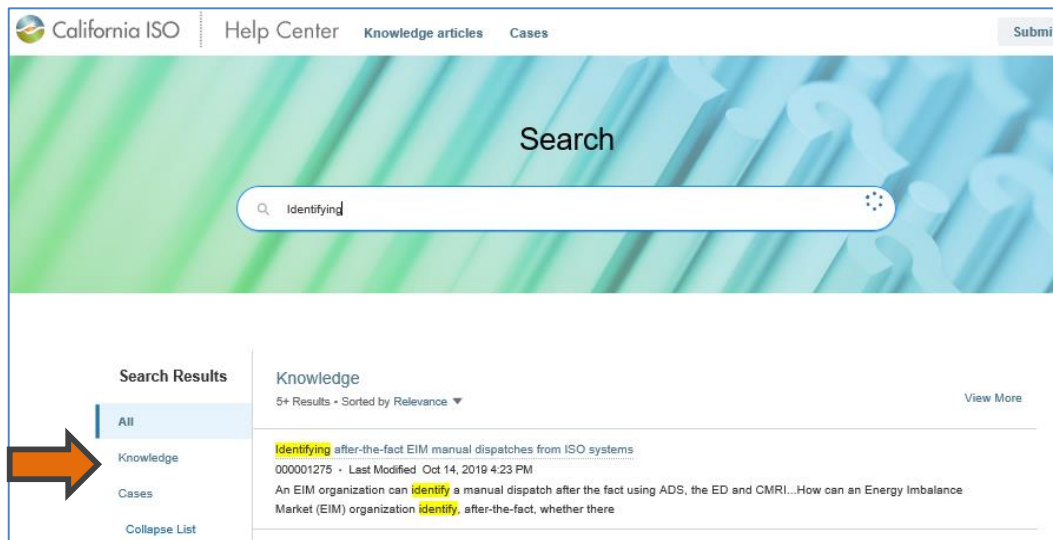
Knowledge Articles

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

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

This is the last slide to this presentation