



California ISO

# Settlement User Group

September 14, 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 September 28th , 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, September 14, 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>▪ Market Simulation Calendar</li><li>▪ Proposed Revision Requests Update</li><li>▪ RC Services</li><li>▪ Central Procurement Entity</li></ul>	<ul style="list-style-type: none"><li>▪ Elizabeth Caldwell</li><li>▪ Assad Al-Baijat</li><li>▪ Massih Ahmadi</li><li>▪ Kathryn Wills</li><li>▪ Mel Ciubal</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 – 10/14**
  - Calls are bi-weekly, Monday + Thursday
- Fall 2022 Release Target Activation Date: **11/1**
  - Pre-prod configuration output file + release artifacts target: **10/19**
  - Anticipated prod deployment: **10/26**
- **12/1** activation date *under consideration*
  - *Pre-prod config output file + release artifacts target: 11/17*
  - *Anticipated prod deployment: 11/30*
  - *More info regarding specific project and non-project effective date adjustments to be provided once confirmed*
- Next RUG = **9/20**

# Market Simulation Calendar (Fall 2022)



## Fall2022 Market Sim Calendar (MAP STAGE) Aug 22, 2022 through Oct 14, 2022

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

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			T+9B	T+9B	T+70B	T+70B	
26-Sep-22	Monday		22-Sep				
27-Sep-22	Tuesday			20-Sep	20-Sep	15-Sep	
28-Sep-22	Wednesday	27-Sep				Monthly Recalc 13-Sep - 15-Sep	Daily Recalc 13-Sep; Daily Recalc 15-Sep; Monthly Recalc 13-Sep - 15-Sep
29-Sep-22	Thursday		27-Sep	22-Sep	22-Sep		
30-Sep-22	Friday	29-Sep		Monthly Initial 20-Sep - 22-Sep		20-Sep	Daily Initial 20-Sep; Daily Initial 22-Sep; Monthly Initial 20-Sep - 22-Sep
01-Oct-22	Saturday						
02-Oct-22	Sunday						
03-Oct-22	Monday		29-Sep				
04-Oct-22	Tuesday			27-Sep	27-Sep	22-Sep	
05-Oct-22	Wednesday	4-Oct				Monthly Recalc 20-Sep - 22-Sep	Daily Recalc 20-Sep; Daily Recalc 22-Sep; Monthly Recalc 20-Sep - 22-Sep
06-Oct-22	Thursday		4-Oct	29-Sep	29-Sep		
07-Oct-22	Friday	6-Oct		Monthly Initial 27-Sep - 29-Sep		27-Sep	Daily Initial 27-Sep; Daily Initial 29-Sep; Monthly Initial 27-Sep - 29-Sep
08-Oct-22	Saturday						
09-Oct-22	Sunday						
10-Oct-22	Monday		6-Oct				
11-Oct-22	Tuesday			4-Oct	4-Oct	29-Sep	
12-Oct-22	Wednesday	11-Oct				Monthly Recalc 27-Sep - 29-Sep	Daily Recalc 27-Sep; Daily Recalc 29-Sep; Monthly Recalc 27-Sep - 29-Sep
13-Oct-22	Thursday		11-Oct	6-Oct	6-Oct		
14-Oct-22	Friday	13-Oct		Monthly Initial 4-Oct - 6-Oct		4-Oct	Daily Initial 4-Oct; Daily Initial 6-Oct; Monthly Initial 4-Oct - 6-Oct
15-Oct-22	Saturday						
16-Oct-22	Sunday						
17-Oct-22	Monday		13-Oct				
18-Oct-22	Tuesday			11-Oct	11-Oct	6-Oct	
19-Oct-22	Wednesday					Monthly Recalc 4-Oct - 6-Oct	Daily Recalc 4-Oct; Daily Recalc 6-Oct; Monthly Recalc 4-Oct - 6-Oct
20-Oct-22	Thursday			13-Oct	13-Oct		
21-Oct-22	Friday			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						
25-Oct-22	Tuesday					13-Oct	
26-Oct-22	Wednesday					Monthly Recalc 11-Oct - 13-Oct	Daily Recalc 11-Oct; Daily Recalc 13-Oct; Monthly Recalc 11-Oct - 13-Oct
27-Oct-22	Thursday						
28-Oct-22	Friday						

# PRR and BPM Updates

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

PRR	PRR Title	Stage
1452	RUC No Pay Quantity Pre-Calculation	Initial
1453	Updated BPM Configuration guide for CC 8831 Monthly Resource Adequacy Availability Incentive Mechanism Allocation to accommodate documentation updates	Initial
1454	Settlement configuration changes to support Hybrid Resources Phase 2B initiative and ensure hybrid resources selecting ISO forecast receive forecast fee and are exempted from generic RA	Initial

## PRR and BPM Updates

PRR	PRR Title	Stage
1455	Update configuration guide documentation only to reflect Central Procurement Entity initiative settlement	Initial
1456	Update BPM for CC 4515 to correct input description for bid segment attribute value for self-schedules to match as configured	Initial
1457	Update configuration guides for Real-Time Ancillary Services Imports Congestion to resolve quantity issue for retroactive trade dates	Initial
1458	Updated charge codes 64600 and 64700 real-time dispatch and fifteen minute market instructed imbalance energy, energy imbalance market to accurately account for energy transfer system resources in the current price and current quantity of each charge code	Initial

# PRR and BPM Updates

PRR	PRR Title	Stage
1459	Update configuration guide documentation only to reflect RDRR Bidding Enhancements Phase 2 initiative settlement	Initial
1460	Implemented changes to the Flexible Ramp Product Charge Codes in accordance with the FRP Deliverability initiative	Initial
1461	Settlement configuration changes to Unaccounted for Energy charge code 64740 to support WEIM enhancements to ensure correct settlement of Generation only BAA WIEM entities	Initial



# 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



# Central Procurement Entity (CPE)

Policy and Configuration Changes – Mel Ciubal

# CPE Business Drivers

- Central procurement entities (CPE) will play a role in California's resource adequacy (RA) program
  - accommodate CPUC designation of two CPEs to procure RA capacity starting RA Assessment year 2023; and
  - provide other local regulatory authorities (LRA) in CAISO's balancing authority area (BAA) same opportunity to adopt a CPE construct.
- Also in this initiative, CAISO proposes to adjust how CAISO sets local capacity requirements in monthly RA process for load-serving entities (LSEs) serving load in multiple transmission access charge (TAC) areas.

# CPE: Charge Code & Changes

## CC 7896 Monthly CPM Allocation:

- Allocate cost to Central Procurement Entity SC, if applicable
- No visible configuration formulation change. However, input and mapping is included for CPE SC to help defray cost for annual or monthly local CPM designations, as applicable.
- Effective 1/1/2023

# ISO Training Schedule

Training Course	Date and time
Central Procurement Entity Webinar (tentative)	September 14, 2022 11am – 12:30pm

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>

**NEW!! – Customer Training Needs Survey:**

<https://www.surveymonkey.com/r/caisotrainingneedssurvey>



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: September 28<sup>th</sup>, 2022 at 10:00 A.M

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# Settlement User Group Calendar 2022

January						
Su	Mo	Tu	We	Th	Fr	Sa
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2	3	4	5	6	7	8
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February						
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March						
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April						
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May						
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29	30	31				

June						
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26	27	28	29	30		

July						
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31						

August						
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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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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
- NERC/WECC Invoice – presented Sep 1
- Knowledge Articles
- Ways to Participate in Settlements

# Unscheduled Directed Recalculation Statements and Invoices

- On Dec. 9, 2021, the California ISO will publish unscheduled directed recalculation settlement statements reflecting the resolution of a dispute with a market participant. On the same day, the ISO will issue separate invoices for these amounts with a payment due date of December 15.
- A calendar reflecting the revised 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 settlement files will be available under run type Daily Rerun Market trading dates Oct. 10, 2012, and Feb. 16, 2018. The details for October 10, 2012 will be in the comment field of the bill determinant file. Customer Service will provide the details for February 16, 2018, to affected market participants. Any disputes of charges appearing on the unscheduled directed recalculation settlement statements must be submitted by **Wednesday, January 12, 2022**.

# NERC/WECC Invoice

- The ISO published preliminary NERC/WECC statements and invoices for 2022 NERC/WECC charges to the Market Results Interface-Settlements (MRI-S) and the Secure File Transfer Protocol (SFTP) server on August 20, 2021. The charges for assessment year 2022 appear on the NERC/WECC initial statement under charge code (CC) 6490, with January 1, 2020 as the trade date.
- The preliminary NERC/WECC charge rate for assessment year 2022 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 2022	10,170,748.45	\$
Total NERC/WECC Metered Demand for Calendar Year 2020	216,770,798.8	MWh
Preliminary NERC/WECC Charge Rate for Assessment Year 2022	0.046919366	\$/MWh

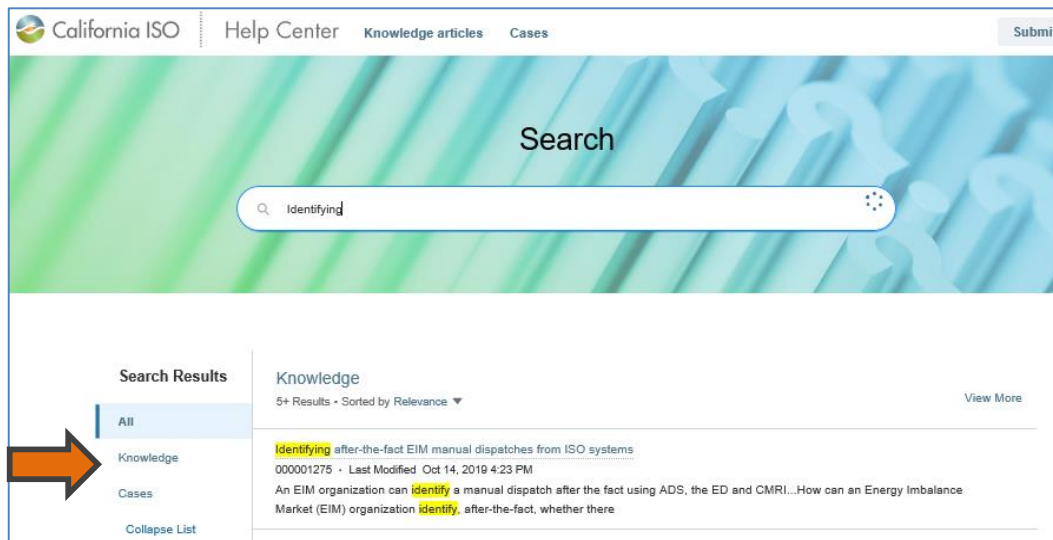
# Knowledge Articles

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.



**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