

Settlement User Group

October 14, 2020

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

Web Conference Information	Conference Call Information
Web Address: https://caiso.webex.com/meet/settlementuser	Dial-in Number: (866) 528-2256
Meeting Number: 961 854 046 Audio connection instructions will be available after	International Dial-in: (216) 706-7052
connecting to the web conference. When prompted, select "Call me" and enter your phone number you will use during the call. You will be called by the conference shortly.	Access Code: 673 78 64

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 copy.

The recording will be posted on our website and be available for a short period of time until Sept 30, 2020.

Please mute your phone and do not put it on hold while the discussion is going on in order to eliminate background noise. There will be an opportunity to ask questions after each topic, but before asking your question,

e will be an opportunity to ask questions after each topic, but before asking your question, please state your name and affiliation. Thank you.

<u>mute</u>

ISO Public

Settlement User Group Agenda

Wednesday, October 14, 2020

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

Time	Topic	Presenter
1 0:00 – 10:05	 Welcome and Introduction 	■ Tyler DuBeshter
■ 10:05 – 11:00	■ Settlements	■ Karon Voong
	RC Services Update	Karen Voong
	 Publication of Unscheduled Reissue Recalculation Settlement Statements 	
	Fall 2020 - Settlement Release Milestones	Elizabeth Caldwell
	 Q4 2020 - Settlement Release Milestones 	Elizabeth Caldwell
	 Independent Market Simulation 	■ Trang Vo
	 Winter Market Simulation Settlement Updates 	Assad Al- Baijat
	Customer Readiness	Rashele Wiltzius



RC Services update

RC Services

- Informational Statement timeline:
 - COMPLETED: Customers external to CAISO BAA submit 2019 NEL/NG data in MRI-S between
 - 9/3/2020 9/30/2020
 - Informational Statement will publish 10/30/2020
 - Customer review and re-submit 2019 data (if needed) by 11/30/2020
- Statement and Invoice published on 01/04/2021
 - Payment is due by 02/03/2021
 - Note: there are some due date exceptions per contract
- RC West Payment Calendar: http://www.caiso.com/Documents/RCWestAnnualPaymentsCalendar.pdf

HANA Services

No updates



Publication of Unscheduled Reissue Recalculation Settlement Statements

- The ISO published an unscheduled reissue recalculation settlement statements under run type Daily Rerun Market for trading date March 25, 2019 on October 14, 2020.
- Posted as Version 3 in MRI S.
- The T+18M statement posted on September 28, 2020 contained a processing error.
- The statements will reflect a correction to the Nonrefundable Interconnection Funds. The allocation of the Nonrefundable Interconnection Funds is in accordance with the CAISO Tariff 37.9.4 per the April 15, 2020 Market Notice (http://www.caiso.com/Documents/Mar6-2020-LetterOrder-PetitionforApproval-Disbursements-ER20-179.pdf).
- Billing for these statements will be reflected on the weekly invoice issued on October 14, 2020.
- The 2020 payments calendar has been updated to 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 *Market and administrative charges* heading.
- Market Notice: http://www.caiso.com/Documents/Publication-UnscheduledReissueRecalculationSettlementStatements.html



Winter/Q4 2020 – Settlement Release Milestones

Release Milestones as follows:

- 1st draft technical documentation posted = 8/10
 - Posted IDS and Day Ahead Nodal (NPM project)
- 1st draft configuration output file + initial release component summary to post = 8/25
 - Will include current project scope -> IDS, Day Ahead Nodal & Symmetrical Wheeling
 - Also 1st draft tech doc for Symmetrical Wheeling
- 2nd draft configuration output file + 2nd draft tech docs + updated release component summary posted = 9/14
 - Includes 2 dispute related production adjustments:
 - RTM Net Amount PC for RMR capacity payment
 - Spin Non-Spin No Pay Quantity PC for fast start units
- 3rd draft configuration output file (pre market sim) posted = 10/9
- Upcoming release market sims: please stay informed by participating in both:
 - Market Simulation web conferences each Monday & Thursday 2-3pm
 - Release User Group (RUG) web conference, every other Tuesday 10-11am



Independent Market Simulation

- Presentation: Independent 2020 Release Market Simulation Kick-Off
- Market Simulation Settlements Calendar
- Visit CAISO.com at Stay Informed>Release Planning>Independent 2020
- Market Simulation Scenarios v1.0 Day Ahead Nodal Pricing Model
- Market Simulation Scenarios v1.0 Intertie Deviation Settlement

Web Conference Information

Web address: https://caiso.webex.com/meet/MarketSim,

Meeting number: 962 067 710

Audio connection instructions will be available after connecting to the web conference. When prompted, select "Call me" and enter the phone number you will use during the call. You will be called by the conference shortly.

Conference Call Information

Dial-in Number: 866-528-2256

International Dial-in: 216-706-7052

Access Code: 202 249 0





Winter Market Simulation Settlements Updates

IN PROGRESS NOT COMPLETE



Week of	Market Participants	Settlement Initial	Settlement Recalc
10/5/2020 Mrkt Sim Readiness Testing	Connectivity		
10/12/2020 Mrkt Sim Readiness Testing			
10/19/2020	DA NPM IDS	DA NPM - TD 10/20 IDS - TD 10/21	DA NPM - TD 10/20 IDS - TD 10/21
10/26/2020			
11/02/2020			
11/09/2020			



Winter Market Simulation Settlements Updates

Market Simulation Calendar - Winter 2020 Release Oct 05, 2020 through Nov 13, 2020

Calendar Day	Day	CMRI T+1B	Submit Meter Data by T+3B 18:00 for Initial	Publish Initial Statement T+6B	Submit Meter Data by T+6B 18:00 for Recalc	Publish Recalc Statement T+9B	Publish Market Invoice
			T+9B	T+9B	T+70B	T+70B	
05-Oct-20	Monday						
06-Oct-20	Tuesday						
07-Oct-20	Wednesday	6-Oct					
08-Oct-20	Thursday	7-Oct					
09-Oct-20	Friday		6-Oct				
10-Oct-20	Saturday						
11-Oct-20	Sunday						
12-Oct-20	Monday		7-Oct				
13-Oct-20	Tuesday						
14-Oct-20	Wednesday	13-Oct		6-Oct	6-Oct		
15-Oct-20	Thursday	14-Oct		7-Oct	7-Oct		
16-Oct-20	Friday		13-Oct	Monthly Initial 06-Oct - 07-Oct			
17-Oct-20	Saturday						
18-Oct-20	Sunday						
19-Oct-20	Monday		14-Oct			6-Oct	
20-Oct-20	Tuesday					7-Oct	
21-Oct-20	Wednesday					Monthly Recalc 06-Oct - 07-Oct	Daily Initial 06-Oct, 07-Oct Monthly Initial 06-Oct - 07-Oct
		20-Oct		13-Oct	13-Oct		
22-Oct-20	Thursday	21-Oct		14-Oct	14-Oct		
23-Oct-20	Friday		20-Oct	Monthly Initial 13-Oct - 14-Oct			
24-Oct-20	Saturday						
25-Oct-20	Sunday						
26-Oct-20	Monday		21-Oct			13-Oct	
27-Oct-20	Tuesday					14-Oct	
28-Oct-20	Wednesday					Monthly Recalc 13-Oct - 14-Oct	Daily Recalc 06-Oct, 07-Oct Monthly Recalc 06-Oct - 07-Oct
							Daily Initial 13-Oct, 14-Oct
		27-Oct		20-Oct	20-Oct		Monthly Initial 13-Oct - 14-Oct
29-Oct-20	Thursday	28-Oct		21-Oct	21-Oct		
30-Oct-20	Friday		27-Oct	Monthly Initial 20-Oct - 21-Oct			



Winter Market Simulation Settlements Updates

Market Simulation Calendar - Winter 2020 Release Oct 05, 2020 through Nov 13, 2020

			Submit Meter Data		Submit Meter Data		
Calendar	Day	CMRI	by T+3B 18:00 for	Publish Initial Statement	by T+6B 18:00 for	Publish Recalc Statement	
Day		T+1B	Initial	T+6B	Recalc	T+9B	Publish Market Invoice
			T+9B	T+9B	T+70B	T+70B	
02-Nov-20	Monday		28-Oct			20-Oct	
03-Nov-20	Tuesday					21-Oct	
04-Nov-20	Wednesday					Monthly Recalc 20-Oct - 21-Oct	Daily Recalc 13-Oct, 14-Oct
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							Daily Initial 20-Oct, 21-Oct
							Monthly Initial 20-Oct - 21-Oct
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05-Nov-20	Thursday			28-Oct	28-Oct		
06-Nov-20	Friday	5-Nov	3-Nov	Monthly Initial 27-Oct - 28-Oct			
07-Nov-20	Saturday						
08-Nov-20	Sunday						
09-Nov-20	Monday					27-Oct	
10-Nov-20	Tuesday		5-Nov			28-Oct	
11-Nov-20	Wednesday					Monthly Recalc 27-Oct - 28-Oct	Daily Recalc 20-Oct, 21-Oct
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15-Nov-20	Saturday Sunday						
16-Nov-20	Monday						Daily Initial 03-Nov, 05-Nov
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25-Nov-20	Wednesday						Daily Recalc 10-Nov, 12-Nov
						12-Nov	Monthly Recalc 10-Nov - 12-Nov
						Monthly Recalc 10-Nov - 12-Nov	



Here are our upcoming topics

Published Knowledge Articles **Upcoming Topics Previous Topics** Real Time Storage Storage- Link RC Informational Statement No Pay Bid Cost Recovery - Link After-the-Fact EIM Manual Dispatches from **Hybrid Policy** FERC 841- requested ISO systems COVID-19 impacts to adjustments - Link Validate Mitigated prices in DA, RTPD (FMM) ISO load forecast Renewable and energy and RTD storage - Link Winter/Q4 Projects Calculation of meter data for TG resources **Intertie Deviation** Fall Release Projects – <u>Link</u> Energy Transfer System Resource (ETSR) Pricing node (Pnode) price used for CRR Settlements Transportation electrification Asymmetrical Wheeling and micro grids Link Settlement - New Day Ahead Nodal

Submit topics to us: twitter.com/isosettlements.com





ISO Computer Based Training Programs

Visit caiso.com **Learning Center** web page to access our training calendar, register for courses and find other informational resources: http://www.caiso.com/participate/Pages/LearningCenter/default.aspx

Computer Based Training – Settlements						
There are more than <u>30</u> computer based training modules on the ISO website covering:						
RC Customer Settlements	http://www.caiso.com/CBT/RC-Settlements/index.html					
Energy Settlements Validation Practice	http://www.caiso.com/CBT/EnergySettlementsValidation/story.html					
Settlement Validation Practice	http://www.caiso.com/CBT/Settlements%20Validation%20Practice/story_html5.html					
Commitment Costs	http://www.caiso.com/CBT/CommitmentCosts-CBT/story.html					
Settlements foundational concepts (EIM)	https://www.westerneim.com/CBT/Settlements%20Foundational%20Concepts/Settlements-FoundationalConcepts.html					
Metering Overview	http://www.caiso.com/CBT/MeteringOverview/MeteringOverview. html					
Settlements Process	http://www.caiso.com/CBT/SettlementsProcess/story_html5.html					

Webinars	Webinars				
Welcome to the ISO Webinar	Tomorrow, October 15				
Intro to ISO Markets	(M-T) November 2-3 (9am – 12pm)				
Market Transactions	(M-T) November 9-10 (9am – 12pm)				
ISO Settlements	(M-T) November 16-17 (9am – 12pm)				





Release Training Information for Settlements

Project	Current Training Dates
Hybrid Resources Phase 1	Tuesday, 10/20/2020

Project Presentation Links	Past Training Dates
Intertie Deviation Settlement	9/29/2020
EIM Enhancements 2020	8/17/2020
Excess Behind the Meter Production	7/21/2020
Market Settlement Timeline Transformation	7/20/2020
FERC 841 – Requested Adjustments	7/15/2020
Energy Storage and Distributed Energy Resources 3B	6/22/2020
Commitment Costs and Default Energy Bid Enhancements	7/23/2020

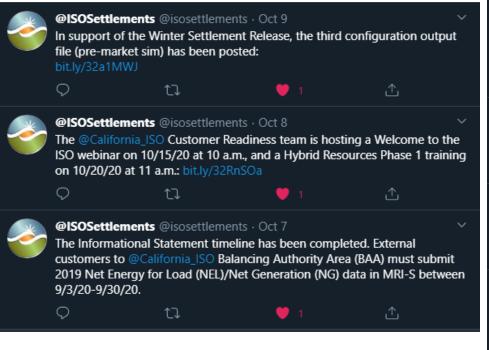
Access Video to trainings on http://www.caiso.com/participate/Pages/LearningCenter/default.aspx





ISO Public

Recent Tweets **9**







California ISO

Next SUG: October 28, 2020

at 10:00 A.M















ISO Public

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Settlement References

- Knowledge Articles
- ISO Settlements Twitter Page
- Ways to Participate in Settlements
- SUG meeting calendar for 2020 Stay tuned for SUG meeting calendar for 2021



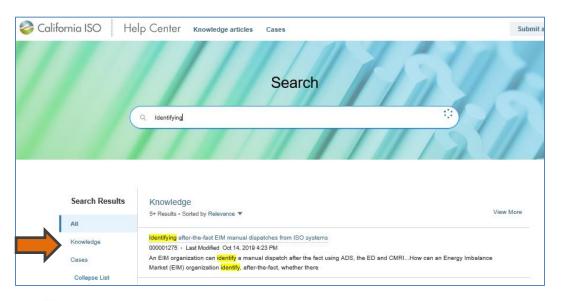
Knowledge Articles

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:

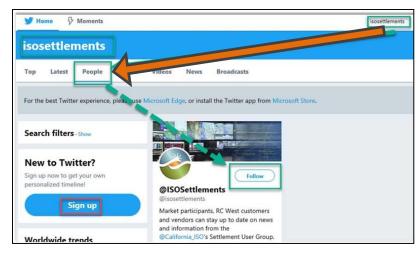
- RC rate location
- RC Informational Statement
- RC services charge
- 2019 prorated RC charge
- Payment calendar
- ED-DPMIN
- After-the-Fact EIM Manual Dispatches from ISO systems
- Validate Mitigated prices in DA, RTPD (FMM) and RTD -New
- Calculation of meter data for TG resources –//ew
- Pricing node (Pnode) price used for CRR Settlement—//ew



ISO Settlements Twitter

- Settlement related updates
- Market sim updates
- Note: Will not replace any existing media communications
- Please take the opportunity to follow <u>@ISOSettlements on Twitter</u> by downloading the Twitter application to **any mobile device**
- Twitter feed can be accessed on any web browser
- No account required to view the Twitter feed and posts
- Save twitter page as a Favorite on your tab







Ways to participate in settlements

- ISO Settlements Twitter Page
 - https://twitter.com/isosettlements
- 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 PRR 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 Calendar

2020

Market Services

Settlement User Group Meetings

Note: dates subject to change; for the latest information please visit the Calendar on www.caiso.com.





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Agenda posted



Holiday

Settlement User Group

Thank you for participating in our call

Follow us on Twitter @ISO Settlements



