






California ISO

# Settlement User Group

Sep 29, 2021

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

Web Conference Information	Conference Call Information
Web Address: <a href="https://caiso.webex.com/meet/settlementuser">https://caiso.webex.com/meet/settlementuser</a> Meeting Number: 961 854 046 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.	US Toll Free: 1-844-517-1271  US Toll : 1- 682-268-6591  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.</p> <p>The recording will be posted on our website and be available for a short period of time until Oct 30, 2021. 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>please state your name and affiliation. Thank you.</p>	

# Settlement User Group Agenda

Wednesday, Sep 29, 2021

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

Time	Topic	Presenter
10:00 – 10:02	Welcome and Introduction	Tyler DuBeshter
10:02 – 11:00	Settlements <ul style="list-style-type: none"><li>RC Services Update</li><li>Fall/Q3 2021 Settlement Release</li><li>PRR Overview- Fall 2021</li><li>Market Simulation Fall 2021 Updates</li><li>Market Simulation Settlement Calendar</li><li>Customer Readiness 2021 Training</li></ul>	<ul style="list-style-type: none"><li>Elizabeth Caldwell</li><li>Brenda Corona</li><li>Anshuman Vaidya</li><li>Assad Al-Baijat</li><li>Cynthia Hinman</li></ul>

# RC Services Update

## RC Services

### Informational Statement:

- Customers external to CAISO BAA submit 2020 NEL/NG data in MRI-S between 09/01/21 and 09/30/21
- Informational Statement will publish 11/01/21
- Customer review and re-submit 2020 data (if needed) by 11/30/21

### Statement and Invoice:

- Both publish on 01/03/22
- Payment Due by 02/02/22

RC West Payment Calendar: <http://www.caiso.com/Documents/RCWestAnnualPaymentsCalendar.pdf>

## HANA Services

- No updates

# Fall/Q3 2021 Settlement Release

- Release scope:
  - Projects with Settlement Configuration Changes:
    - ESDER Phase 4
    - Real Time Settlement Review Phase 2
    - Intertie Shadow Pricing Resolution
  - Non-project: outlined/updated in release component summary
- 1<sup>st</sup> draft tech docs posted: **5/28**
- 1<sup>st</sup> draft config output file + release component summary posted: **6/14**
- 2<sup>nd</sup> draft config output file + updated release component summary posted: **7/21**
- 3<sup>rd</sup> draft config output file + updated release component summary posted: **8/25**
- 4<sup>th</sup> draft config output file + updated release component summary posted: **9/21**
- Market sim window targeting: **8/30 – 10/15**
  - Participate in Mkt Sim Calls - every Monday + Thursday
  - Participate in RUG - every other Tuesday meeting: next is 10/5
- Pre-prod configuration output file + release artifacts to post: **10/20**
- Anticipated prod deployment: **10/27**

# PRR and BPM Updates

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

PRR	Title	BPM	Status
1383	Update Regulation No Pay Precalculation to change data source for DOT calculation quantity	BPM - CG PC Regulation No Pay Quantity v5.4	Market Notice information to go out next week. Initial Comment period expires 10/19/2021  Effective 12/1/2021  PRR will be discussed during the October and November BPM meetings.

## PRR and BPM Updates (con't)

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

PRR	Title	BPM	Status
1372	To support the Energy Storage Distributed Energy Resources Phase 4 initiative, configuration changes are needed to update the settlement of Bid Cost Recovery for Non-Regulation Energy management (REM) Limited Energy Resources to align with the initiative.	BPM - CG PC RTM Net Amount v5.36	Recommendation period ends 10/5/21  PRR will be discussed during the September and October BPM meetings.
1373	Updated multiple BPM configuration guides to accommodate the Real Time Settlement Review - Phase 2 initiative	Three BPMs listed at slide 8	
1374	Updated multiple BPM Configuration guides to accommodate the Intertie Shadow Pricing Resolution initiative	Eight BPMs listed at slide 8	
1376	Update configuration guides to reflect Western Area Power Administration transmission exchange agreement treatment	Five BPMs listed at slide 9	

# PRR and BPM Updates (con't)

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

PRR	Title	BPM	Status
1377	Update configuration guides to reflect settlement of exceptional dispatches designated as TMODEL8 and TMODEL9	Four BPMs listed at slide 8	Recommendation period ends 10/5/21  PRR will be discussed during the September and October BPM meetings.
1378	Updated CC 64770 Real Time Imbalance Energy Offset EIM to accurately and properly align with non- CA balancing authority areas (BAAs) will get green house gas (GHG) adjustments.	BPM - CG CC 64770 Real Time Imbalance Energy Offset EIM v5.2.1	
1366	Updated charge code 6456 intertie deviation settlement to exempt hour ahead scheduling process market disruption intervals from intertie deviation settlement penalty assessment and properly align with current Tariff language.	BPM - CG CC 6456 Intertie Deviation Settlement v5.3 BPM - CG CC 6456 Intertie Deviation Settlement v5.4	

- Recommendation Comment Period: **9/16 – 10/5** at 11:59PM
- BPM Monthly meeting to discuss PRRs: Tuesday, **9/28** at 11 AM

[Business Practice Manual Proposed Revision Request Tracking Log](#)

# Fall/Q3 2021 - Settlement Release

Project	Charge Codes
<p>Intertie shadow pricing resolution</p> <p>Effective Date: 11/1/2021</p>	<p>6710 Day Ahead Congestion - AS Spinning Reserve Import Settlement v5.4          6715 Real Time Congestion - AS Spinning Reserve Import Settlement v5.3          6720 Day Ahead Congestion - AS Non-Spinning Reserve Import Settlement v5.4          6725 Real Time Congestion - AS Non-Spinning Reserve Import Settlement v5.3          6750 Day Ahead Congestion - AS Regulation Up Import Settlement v5.3          6755 Real Time Congestion - AS Regulation Up Import Settlement v5.3          6760 Day Ahead Congestion - AS Regulation Down Import Settlement v5.4          6765 Real Time Congestion - AS Regulation Down Import Settlement v5.3</p>
<p>Real-time settlement review phase 2</p> <p>Effective date: 11/1/2021</p>	<p>Real Time Congestion v5.7          64740 Real-Time Unaccounted for EIM Energy Settlement v5.3          6985 Real Time Marginal Losses Offset v5.7</p>
<p>Energy storage and distribution energy resources phase 4</p> <p>Effective date: 11/1/2021</p>	<p>RTM Net Amount v5.36*</p>
<p>Short long start definition initiative</p> <p>Effective date: <a href="#">2022</a></p>	<p>RA Availability Incentive Mechanism 5.10.0a          PC Start-Up and Minimum Load Cost v5.18</p>

# Fall/Q3 2021 - Settlement Release (con't)

Non-project	Charge Codes
<p>Update configuration guides to reflect Western Area Power Administration transmission exchange agreement treatment</p> <p>Effective Date: 11/1/2021</p>	<p>PC ETC TOR CVR Quantity v5.8.0a</p> <p>PC RTM Net Amount v5.36 *</p> <p>7070 Flexible Ramp Forecasted Movement Settlement v5.2</p> <p>7077 Daily Flexible Ramp Up Uncertainty Award Allocation v5.3</p> <p>7087 Daily Flexible Ramp Down Uncertainty Award Allocation v5.3</p>
<p>Update configuration guides to reflect settlement of exceptional dispatches designated as TMODEL8 and TMODEL9</p> <p>Effective date: 11/1/2021</p>	<p>6460 FMM Instructed Imbalance Energy v5.10</p> <p>6470 Real Time Instructed Imbalance Energy v5.13</p> <p>6488 Exceptional Dispatch Uplift Settlement v5.10</p> <p>6489 Exceptional Dispatch Uplift Allocation v5.3</p>
<p>Intertie Deviation Settlement introducing a new flag exempting hours in which HASP market disruption occurs and Intertie Deviation Settlement to accurately and properly align with current Tariff language.</p> <p>Effective 2/1/2021</p>	<p>6456 Intertie Deviation Settlement v5.3</p> <p>6456 Intertie Deviation Settlement v5.4</p>

# Market Simulation Fall 2021 Updates

- [Market Simulation Plan - Fall 2021 Release](#)
- [Market Simulation Settlements Calendar - Fall 2021 Release](#)
- Market Simulation upcoming meetings for Fall 2021 Release

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		

Web address: <https://caiso.webex.com/meet/MarketSim>

Meeting number: 962 067 710

- Dial-in Number: 844-517-1271 (Toll Free)
- International Dial-in: 682-268-6591
- Access Code: 962 067 710
- Mondays/Thursdays

# Market Simulation Fall 2021 Updates (con't)

- [Market Simulation Plan - Fall 2021 Release](#)
- [Market Simulation Settlements Calendar - Fall 2021 Release](#)

<b>Fall 2021 Release Initiatives</b>	<b>Start Date</b>	<b>Start Date (Trade Date)</b>	<b>End Date</b>	<b>Structured Simulation Start (Trade Date)</b>
<b>Fall 2021 Release Market Simulation</b>	08/30/21	09/07/21	<b>10/15/21</b>	09/07/21
Real-time settlement review phase 2		09/07		09/16 & 9/28
Energy storage and distributed energy resources phase 4 –implementation		09/21		09/23
Hybrid resources phase 2A		09/23		NA
Intertie shadow pricing resolution		09/30		NA
Western EIM base schedule submission deadline phase 1				Complete (4/15-4/23)
Short-long start definitions		10/4		NA

Web address: <https://caiso.webex.com/meet/MarketSim>

Meeting number: 962 067 710

- Dial-in Number: 844-517-1271 (Toll Free)
- International Dial-in: 682-268-6591
- Access Code: 962 067 710
- Mondays/Thursdays



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# Market Simulation Fall 2021 Updates (con't)

Project	Supporting Documents
<p>ESDER Phase 4</p> <p>Effective date: 11/1/2021</p>	<ul style="list-style-type: none"> <li>• <a href="#">Market Simulation Structured Scenarios - Energy Storage and Distributed Energy Resources Phase 4</a></li> <li>• <a href="#">Business Requirements Specification v1.1 - Energy Storage and Distributed Energy Resources Phase 4</a></li> </ul>
<p>Real Time Settlement Review Phase 2</p> <p>Effective Date: 11/1/2021</p>	<ul style="list-style-type: none"> <li>• <a href="#">Market Simulation Structured Scenarios - Real-Time Settlement Review</a></li> <li>• <a href="#">Business Requirements Specification v1.0 - Real-Time Settlement Review</a></li> </ul>
<p>Intertie Shadow Pricing</p>	<ul style="list-style-type: none"> <li>• <a href="#">Business Requirements Specification v1.0 - Intertie Shadow Pricing Resolution</a></li> </ul>
<p>Short and Long Start Definition</p> <p>Effective Date: 2022</p>	<ul style="list-style-type: none"> <li>• <a href="#">Business Requirements Specification v1.0 - Short-long Start Definitions</a></li> </ul>

# Market Simulation Calendar




## Market Simulation Calendar (MAP STAGE) Aug 30, 2021 through Oct 01, 2021

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



# Market Simulation Calendar (con't)

 California ISO		<b>Market Simulation Calendar (MAP STAGE)</b> <b>Aug 30, 2021 through Oct 15, 2021</b>					
Calendar Day	Day	CMRI T+1B	Submit Meter Data by T+2B 10:00 (am) for Initial	Publish Initial Statement T+5B	Submit Meter Data by T+5B 18:00 (6:00pm) for Recalc	Publish Recalc Statement T+8B	Publish Market Invoice
30-Sep-21	Thursday		T+9B	T+9B	T+70B	T+70B	
01-Oct-21	Friday		28-Sep	23-Sep	23-Sep		Daily Initial 21-Sep; 23-Sep
		30-Sep		Monthly Initial 21-Sep - 23-Sep		21-Sep	Monthly Initial 21-Sep - 23-Sep
02-Oct-21	Saturday						
03-Oct-21	Sunday						
04-Oct-21	Monday		30-Sep				
05-Oct-21	Tuesday			28-Sep	28-Sep	23-Sep	
06-Oct-21	Wednesday					Monthly Recalc 21-Sep - 23-Sep	Daily Recalc 21-Sep; 23-Sep
		5-Oct					Monthly Recalc 21-Sep - 23-Sep
07-Oct-21	Thursday	6-Oct	5-Oct	30-Sep	30-Sep		
08-Oct-21	Friday			Monthly Initial 28-Sep - 30-Sep			Daily Initial 28-Sep; 30-Sep
		7-Oct	6-Oct			28-Sep	Monthly Initial 28-Sep - 30-Sep
09-Oct-21	Saturday						
10-Oct-21	Sunday						
11-Oct-21	Monday		7-Oct				
12-Oct-21	Tuesday			5-Oct	5-Oct	30-Sep	
13-Oct-21	Wednesday					Monthly Recalc 28-Sep - 30-Sep	Daily Recalc 28-Sep; 30-Sep
		12-Oct		6-Oct	6-Oct		Monthly Recalc 28-Sep - 30-Sep
14-Oct-21	Thursday	13-Oct	12-Oct	7-Oct	7-Oct		
15-Oct-21	Friday						Daily Initial 5-Oct; 7-Oct
		14-Oct		Monthly Initial 5-Oct - 7-Oct		5-Oct	Monthly Initial 5-Oct - 7-Oct
16-Oct-21	Saturday						
17-Oct-21	Sunday						
18-Oct-21	Monday		14-Oct			6-Oct	
19-Oct-21	Tuesday			12-Oct	12-Oct	7-Oct	
20-Oct-21	Wednesday						Daily Recalc 5-Oct; 7-Oct
				13-Oct	13-Oct	Monthly Recalc 5-Oct - 7-Oct	Monthly Recalc 5-Oct - 7-Oct
21-Oct-21	Thursday		19-Oct	14-Oct	14-Oct		
22-Oct-21	Friday						Daily Initial 12-Oct; 14-Oct
				Monthly Initial 12-Oct - 14-Oct		12-Oct	Monthly Initial 12-Oct - 14-Oct
23-Oct-21	Saturday						
24-Oct-21	Sunday						
25-Oct-21	Monday					13-Oct	
26-Oct-21	Tuesday				19-Oct	14-Oct	
27-Oct-21	Wednesday					Monthly Recalc 12-Oct - 14-Oct	Daily Recalc 12-Oct; 14-Oct
							Monthly Recalc 12-Oct - 14-Oct

# ISO Instructor-Led Training Sessions

Visit the [caiso.com](http://www.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>

Training Courses and workshops	Date and time
<b>ISO Workshop - Intro to ISO Markets</b>	October 5 – 6, 2021 (9am – 12pm)
<b>ISO Workshop - Market Transactions</b>	October 12-13, 2021 (9am – 12pm)
<b>Variable Operations and Maintenance Cost Review (Tentative)</b>	October 14, 2021 (11am – noon)
<b>ISO Workshop – ISO Settlements</b>	October 18 -19, 2021 (9am – 12pm)
<b>Welcome to the ISO</b>	November 17, 2021 (9am – 11am)

*All Summer Readiness related webinar recordings are available on [www.caiso.com](http://www.caiso.com) in the Learning Center and on the Summer Readiness release page.*

# ISO Computer Based Training Programs

Visit [caiso.com](http://www.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 [30](#) computer based training modules on the ISO website covering:

RC Settlements	<a href="http://www.caiso.com/CBT/RC-Settlements/rc-settlements.html#/">http://www.caiso.com/CBT/RC-Settlements/rc-settlements.html#/</a>
Settlement Validation Practice	<a href="http://www.caiso.com/CBT/Settlements%20Validation%20Practice/story_html5.html">http://www.caiso.com/CBT/Settlements%20Validation%20Practice/story_html5.html</a>
Commitment Costs	<a href="http://www.caiso.com/CBT/CommitmentCosts-CBT/story.html">http://www.caiso.com/CBT/CommitmentCosts-CBT/story.html</a>
Settlements foundational concepts (EIM)	<a href="https://www.westerneim.com/CBT/Settlements%20Foundational%20Concepts/Settlements-FoundationalConcepts.html">https://www.westerneim.com/CBT/Settlements%20Foundational%20Concepts/Settlements-FoundationalConcepts.html</a>
Metering Overview	<a href="http://www.caiso.com/CBT/MeteringOverview/MeteringOverview.html">http://www.caiso.com/CBT/MeteringOverview/MeteringOverview.html</a>
Settlements Process	<a href="http://www.caiso.com/CBT/SettlementsProcess/story_html5.html">http://www.caiso.com/CBT/SettlementsProcess/story_html5.html</a>
Market Pricing	<a href="http://www.caiso.com/CBT/Market-Pricing/story.html">http://www.caiso.com/CBT/Market-Pricing/story.html</a>
Day-Ahead Settlements	<a href="http://www.caiso.com/CBT/Day-Ahead-Settlements/Day-Ahead-Settlements.html">http://www.caiso.com/CBT/Day-Ahead-Settlements/Day-Ahead-Settlements.html</a>
Real-Time Settlements	<a href="http://www.caiso.com/CBT/Real-TimeSettlements/Real-TimeSettlements.html">http://www.caiso.com/CBT/Real-TimeSettlements/Real-TimeSettlements.html</a>

New initiatives training course on the learning center web page and retooling Settlements trainings

# Settlement Corner

Upcoming Topics	Previous Topics	Published Knowledge Articles
	<ul style="list-style-type: none"><li>• Storage- <a href="#">Link</a></li><li>• Bid Cost Recovery - <a href="#">Link</a></li><li>• FERC 841- requested adjustments – <a href="#">Link</a></li><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></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>

**Submit**



topics to us at [twitter.com/isosettlements.com](https://twitter.com/isosettlements.com)

## Recent Tweets

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**@ISOSettlements** @isosettlements · 40m ...

.@California\_ISO recommends customers external to the ISO Balancing Authority Area submit 2020 Net Energy for Load /Net generation NEL/NG data in MRI-S by 9/30/21. [ow.ly/kniV50Gi6iS](https://ow.ly/kniV50Gi6iS)

   
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**@ISOSettlements** @isosettlements · 21h ...

The @California\_ISO will host the BPM Change Management meeting on 11/30 for The Fall 2021 Proposed Revision Requests for Settlement and Billing. [bit.ly/3jB1QWY](https://bit.ly/3jB1QWY)

   
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**@ISOSettlements** @isosettlements · Sep 17 ...

The Fall Market Simulation calendar for Map Stage environment is available through 10/1. [ow.ly/60t050G9Spp](https://ow.ly/60t050G9Spp)

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**@ISOSettlements** @isosettlements · Sep 16 ...

The Settlement user Group posts presentation and audio from the 9/15/21 web conference call. [ow.ly/jZdT50G9S4m](https://ow.ly/jZdT50G9S4m)

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**@ISOSettlements** @isosettlements · Sep 14 ...

The @California\_ISO will offer its "Intro to ISO Markets" workshop on 10/5. [ow.ly/TpPL50G9S0r](https://ow.ly/TpPL50G9S0r)

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# Settlement User Group Calendar 2021

Market Services

Settlement User Group Meetings

Note: dates subject to change; for the latest information please visit the Calendar on [www.caiso.com](http://www.caiso.com) and follow us on Twitter @ISOSettlements



California ISO

January						
Su	Mo	Tu	We	Th	Fr	Sa
						1
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
					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
		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			

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						

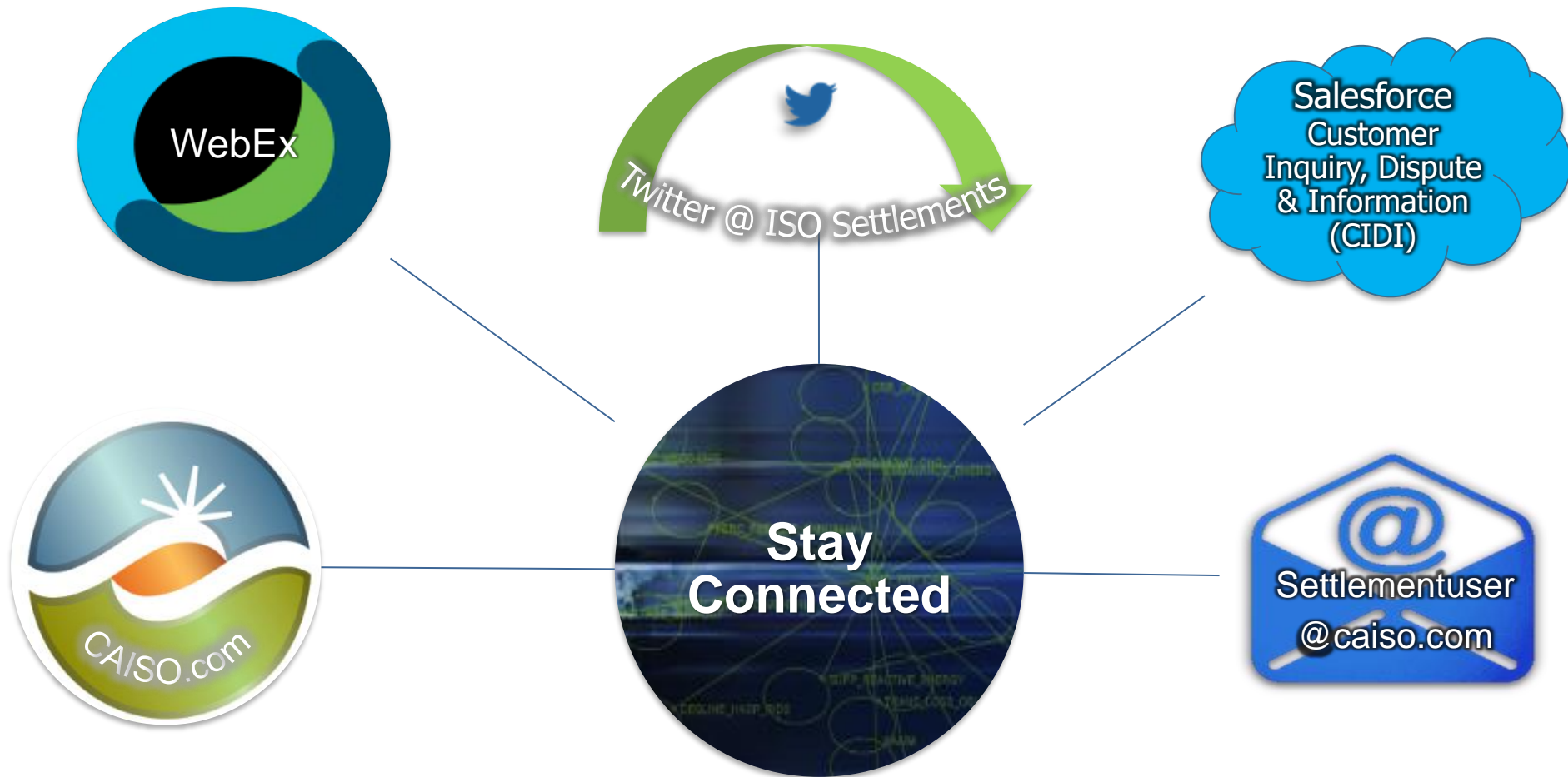
November						
Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

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	

Meeting Agenda posted Holiday

# Next SUG Meeting: Oct 13 , 2021

at 10:00 A.M



## Settlement References

- Settlement User Group Calendar 2021
- NERC/WECC Invoice – *presented Sep 1*
- Adjustment of Amendment 60 Interest and GFN Distribution – *presented Sep 1*
- UFE election process for RT Settlement P2 – *presented Aug 18*
- Knowledge Articles
- ISO Settlements Twitter Page
- Ways to Participate in Settlements

# Settlement User Group Calendar 2021

Market Services

Settlement User Group Meetings

Note: dates subject to change; for the latest information please visit the Calendar on [www.caiso.com](http://www.caiso.com) and follow us on Twitter @ISOSettlements



California ISO

January						
Su	Mo	Tu	We	Th	Fr	Sa
						1
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						
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28						

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

June						
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July						
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August						
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September						
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October						
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31						

November						
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28	29	30				

December						
Su	Mo	Tu	We	Th	Fr	Sa
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19	20	21	22	23	24	25
26	27	28	29	30	31	

Meeting Agenda posted Holiday

# 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

# Adjustment of Amendment 60 Interest and GFN Distribution

- On April 30, 2021, the ISO previously published settlements statements and invoices that reflected interest through April 30, 2021 for Amendment 60.
- As noted on a call held on July 21, 2021 (see link below for presentation discussed on the July 21 call) additional settlement adjustment are required for:
  - Correcting errors in the interest calculations for March 2005 for startup costs and October 2007 for minimum load cost
  - Unwind incorrect distribution of California Oregon Transmission Project Agreement funds
    - Reallocation of payments and charges for use of COTP Transmission (July – December 2004)
  - Distribution of funds from a separate GFN (reflected on the daily historical initial statement for trade date, March 02, 2009)
  - As discussed on the July 21, 2021 call, the ISO will be calculated incremental interest on the April 30, 2021 and September 17, 2021 invoices

# Real-Time Unaccounted For Energy (UFE) Changes (1/4)

## **Annual UFE Election Letter for 2021: Due by 9/30/2021**

- EIM Entity Name and Address.
- Subject: UFE Elections - 2021
- Pursuant to CAISO Tariff Section 29.11(c) (2) (B), [insert EIM Entity Name] makes the following UFE Elections for Trade Dates 11/1/2021 - 12/31/2021.
- UFE Settlement Election: Yes (settle) or No (do not settle).
- Loss Factor:
  - If UFE Settlement Election is Yes, please provide the OATT Loss factor or agreed upon loss factor percentage.
  - If UFE Settlement Election is No, enter 0%.
- Please contact [insert contact name and info] with any questions.

# Real-Time Unaccounted For Energy (UFE) Changes (2/4)

## **Annual UFE Election Letter for 2022: Due by 10/31/2021**

- EIM Entity Name and Address.
- Subject: UFE Elections - 2022
- Pursuant to CAISO Tariff Section 29.11(c) (2) (B), [insert EIM Entity Name] makes the following UFE Elections for Trade Dates 1/1/2022 – 12/31/2022.
- UFE Settlement Election: Yes (settle) or No (do not settle).
- Loss Factor:
  - If UFE Settlement Election is Yes, please provide the OATT Loss factor or agreed upon loss factor percentage.
  - If UFE Settlement Election is No, enter 0%.
- Please contact [insert contact name and info] with any questions.

## Real-Time Unaccounted For Energy (UFE) Changes (3/4)

**Question)** If EIM entity misses submitting the UFE Election letter by deadline, what will be the impact?

**Response)** The default elections will be used; the entity will be subject to UFE Settlement.

**Question)** If the EIM entity selects the “not to settle UFE” option for Market Sim and if they want to change it to “yes settle”, can we change it?

**Response)** Yes, you can make election changes once between Market Sim and Go-live effective Trade Date (11/1/2021).

## Real-Time Unaccounted For Energy (UFE) Changes (4/4)

**Question)** How do I submit my UFE Election Letter in Production?

**Response)** Please submit the UFE Election Letter as an attachment via CIDI. The letter should be on company letterhead and is required with a signature from the company management.

**The deadline is 9/30/2021 for election year 2021 and 10/31/2021 for election year 2022.**

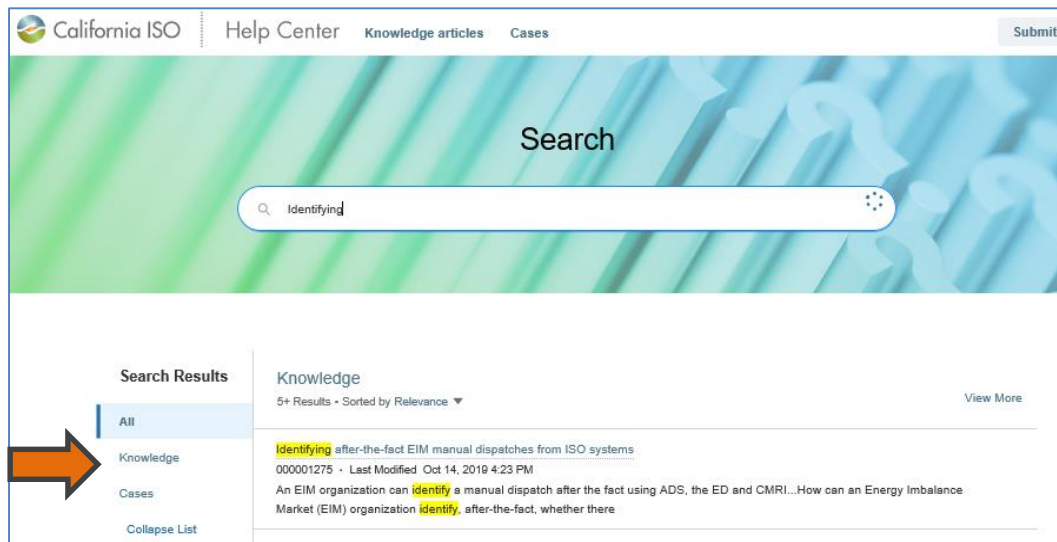
# Knowledge Articles

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](#)

# ISO Settlements Twitter

- Settlement related updates
- Market sim updates
- Note: Will not replace any existing media communications
- Please take the opportunity to follow [@ISOSettlements on Twitter](#) 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 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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 Follow us on Twitter @ISO Settlements