



California ISO

# Settlement User Group

Jan 5, 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>
<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 Jan 20, 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.</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> <div style="text-align: right;">    </div>	



# Settlement User Group Agenda

Wednesday, Jan 5, 2022

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>▪ February 2022 Emergency Release</li><li>▪ Market Simulation Calendar</li><li>▪ Proposed Revision Requests Update</li></ul>	▪ Elizabeth Caldwell ▪ Assad Al-Baijat ▪ Brenda Corona

# RC Services

## 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 was published 11/01/21

### Statement and Invoice:

- Both published on Monday, 01/03/22
- Payment Due by Wednesday, 02/02/22

### RC West Payment Calendar:

<http://www.caiso.com/Documents/RCWestAnnualPaymentsCalendar.pdf>

## HANA Services

- No updates

# February 2022 Emergency Settlement Release

- Release scope:
  - COTP/WAPA contract change for loss settlement = impacts participants scheduling on COTP intertie + WAPA
  - Day Ahead Nodal Pricing Model P2 = impacts PacifiCorp EIM
  - Joint Owned Units (JOU) Pilot = impacts Tucson EIM + Public New Mexico EIM
- 1<sup>st</sup> draft tech docs posted: **11/8**
- 1<sup>st</sup> draft config output file + release component summary posted: **11/22**
- 2<sup>nd</sup> draft config output file + updated release component summary posted: **12/28**
- Market sim/sample statements window: **1/4/22 - 1/14/22**
  - On track for COTP
  - JOU + DA Nodal target start is week of 1/10; update in 1/11 RUG
- Pre-prod configuration output file + release artifacts targeting: **2/7**
- Anticipated prod deployment: **2/16**

# Market Simulation Calendar



## Market Simulation Calendar (MAP STAGE) Dec 01, 2021 through Jan 31, 2022

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	
03-Jan-22	Monday						
04-Jan-22	Tuesday					21-Dec	
05-Jan-22	Wednesday	4-Jan		28-Dec	28-Dec		
06-Jan-22	Thursday		4-Jan	Monthly Initial 21-Dec - 28-Dec			Daily Initial 21-Dec; 28-Dec Monthly Initial 21-Dec - 28-Dec
07-Jan-22	Friday	6-Jan					
08-Jan-22	Saturday						
09-Jan-22	Sunday						
10-Jan-22	Monday		6-Jan			28-Dec	
11-Jan-22	Tuesday			4-Jan	4-Jan	Monthly Recalc 21-Dec - 28-Dec	Daily Recalc 21-Dec; 28-Dec Monthly Recalc 21-Dec - 28-Dec
12-Jan-22	Wednesday	11-Jan					
13-Jan-22	Thursday		11-Jan	6-Jan	6-Jan		
14-Jan-22	Friday			Monthly Initial 04-Jan - 06-Jan		4-Jan	Daily Initial 04-Jan; 06-Jan Monthly Initial 04-Jan - 06-Jan
15-Jan-22	Saturday	13-Jan					
16-Jan-22	Sunday						
17-Jan-22	Monday				CAISO Holiday		
18-Jan-22	Tuesday		13-Jan				
19-Jan-22	Wednesday	18-Jan		11-Jan	11-Jan	6-Jan	
20-Jan-22	Thursday		18-Jan			Monthly Recalc 04-Jan - 06-Jan	Daily Recalc 04-Jan; 06-Jan Monthly Recalc 04-Jan - 06-Jan
21-Jan-22	Friday	20-Jan		13-Jan	13-Jan		
22-Jan-22	Saturday						
23-Jan-22	Sunday						
24-Jan-22	Monday						
25-Jan-22	Tuesday		20-Jan	Monthly Initial 11-Jan - 13-Jan		11-Jan	Daily Initial 11-Jan; 13-Jan Monthly Initial 11-Jan - 13-Jan
26-Jan-22	Wednesday	25-Jan		18-Jan	18-Jan		
27-Jan-22	Thursday					13-Jan	
28-Jan-22	Friday		25-Jan	20-Jan	20-Jan	Monthly Recalc 11-Jan - 13-Jan	Daily Recalc 11-Jan; 13-Jan Monthly Recalc 11-Jan - 13-Jan
29-Jan-22	Saturday						
30-Jan-22	Sunday						
31-Jan-22	Monday	27-Jan		Monthly Initial 18-Jan - 20-Jan		18-Jan	Daily Initial 18-Jan; 20-Jan Monthly Initial 18-Jan - 20-Jan

# PRR and BPM Updates

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

PRR	Title	BPM	Status
1394	Updated BPM Configuration guide for CC 4575 to clarify business rule 4.1 exclusions and variable name.	CG CC 4575 GMC Scheduling Coordinator ID Charge v5.0e	BPM meeting on Jan. 25 <sup>th</sup> with Final Decisions posted this week.
1397	Updates to BPM for tariff amendment adjusting the meaning of business day (FERC Filing ER21-2854-000)	Section 2.3 Settlements & Invoicing Cycles	
1398	Update BPM configuration guides to support the day ahead nodal pricing model phase 2 ancillary services Initiative	Pre-Calculation Ancillary Services v 5.11 GMC Bid Transaction Fee 4515 v 5.7	
1399	Updated multiple BPM configuration guides to accommodate settling WAPA/TANC Contract 05-SNR-00869	<ul style="list-style-type: none"> <li>CG CC 6976 Trans Loss Oblig Chrg for RT Schs Under Control Agmt_5.2</li> <li>CG CC 6977 Allocation of Transmission Loss Obligation Charge_5.1a</li> <li>CG PC Allocation of Transmission Losses Under Control Agreements_5.3</li> </ul>	

- New PRR Presenter for upcoming SUG calls will be Massih Ahmadi

# 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 **40** CBT 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>
Post-Market Settlements	★	<a href="https://www.caiso.com/CBT/Post-Market-Settlements/Post-Market-Settlements.html">https://www.caiso.com/CBT/Post-Market-Settlements/Post-Market-Settlements.html</a>
Convergence Bidding Settlements	★	<a href="https://www.caiso.com/CBT/ConvergenceBiddingSettlements/ConvergenceBiddingSettlements.html">https://www.caiso.com/CBT/ConvergenceBiddingSettlements/ConvergenceBiddingSettlements.html</a>

Also new initiatives training presentations and videos can be found on the Learning Center web page!

# Settlement Corner

Upcoming Topics	Previous Topics	Published Knowledge Articles
<ul style="list-style-type: none"><li>• <a href="#">Spring 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>

**Submit**



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

# Recent Tweets

 **@ISOSettlements** @isosettlements · 1h

The Settlement User Group looks forward to engaging with market participants, RC West entities, and vendors in the new year. See the 2022 meeting schedule; note the conference call on 1/5/22 at 10 a.m. [buff.ly/36ctbGV](https://buff.ly/36ctbGV)

2022  
Settlement User Group Meetings

Note: Dates subject to change. For the latest information please visit the Calendar on [www.iso.ca](https://www.iso.ca).



January	February	March	April
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	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	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	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	June	July	August
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September	October	November	December
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Meeting Agendas posted Holiday

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 **@ISOSettlements** @isosettlements · Dec 10, 2021

Proposed Revision Requests for Settlement and the Billing meeting is on Tue., Dec. 28 by BPM Change Management team. [bit.ly/3jB1QWY](https://bit.ly/3jB1QWY)

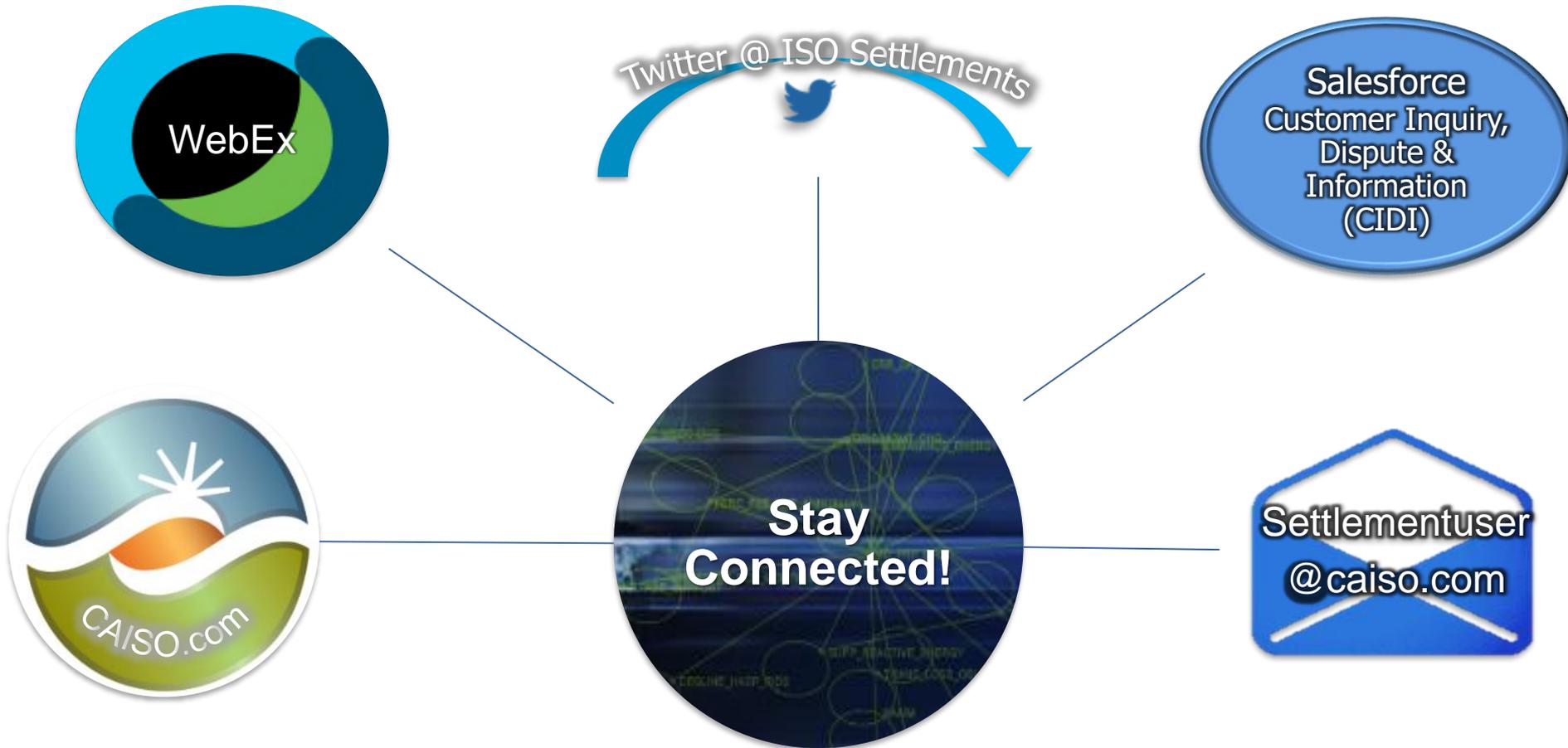
 **@ISOSettlements** @isosettlements · Dec 10, 2021

The @California\_ISO's 2022 training schedule will be available on the ISO website in the coming weeks. [bit.ly/3fPL1Xf](https://bit.ly/3fPL1Xf)

# Next SUG Meeting: Jan 19, 2022

at 10:00 A.M



# Settlement User Group Calendar 2022

January						
Su	Mo	Tu	We	Th	Fr	Sa
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February						
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April						
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31						

August						
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September						
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October						
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November						
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27	28	29	30			

December						
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18	19	20	21	22	23	24
25	26	27	28	29	30	31

Meeting
  Agenda posted
  Holiday

 Follow us on Twitter @ISOSettlements for our latest updates

## Settlement References

- Unscheduled Directed Recalculation Statements and Invoices
- NERC/WECC Invoice – presented Sep 1
- Knowledge Articles
- ISO Settlements Twitter Page
- 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

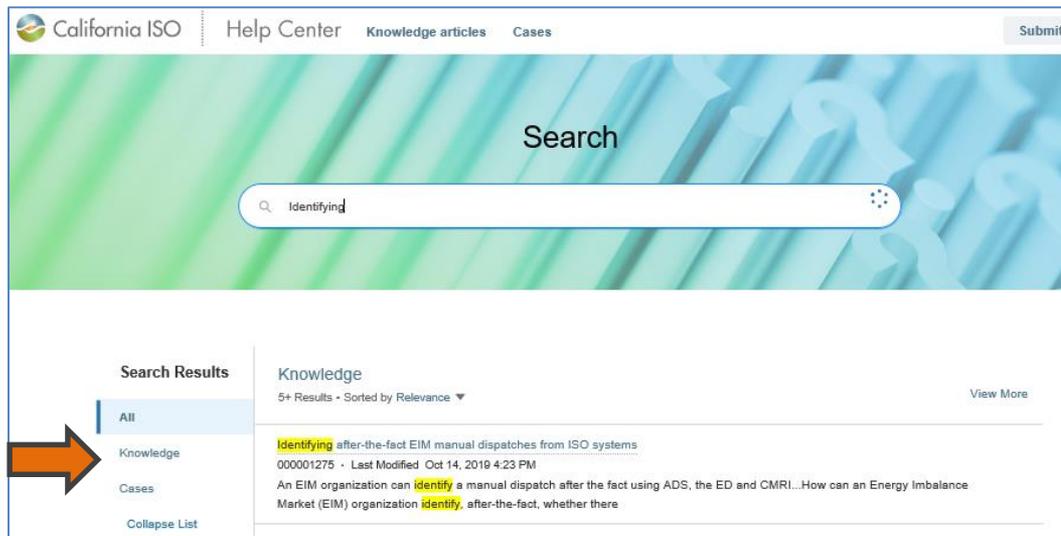
# Knowledge Articles

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](#)

# ISO Settlements Twitter

- 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 **Chrome or Edge**
- **No account required** to view the Twitter feed and posts
- Save twitter page as a 'Favorite' on your tab
- Settlement related updates
- Market sim updates



# 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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This is the last slide to this presentation