



California ISO

# Settlement User Group

June 9, 2021

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

## Web Conference Information

Web Address: <https://caiso.webex.com/meet/settlementuser>

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.


## Conference Call Information


US Toll Free: 1-844-517-1271

US Toll : 1- 682-268-6591

Access Code: 961 854 046

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 June 23, 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. 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.



spacebar

# Settlement User Group Agenda

Wednesday, June 9, 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>■ Summer/Q2 2021 Settlement Release</li><li>■ Fall/Q3 2021 Settlement Release</li><li>■ PRR and BPM updates</li><li>■ Market Simulation 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>■ Elizabeth Caldwell</li><li>■ Brenda Corona</li><li>■ Anshuman Vaidya, Trang Vo</li><li>■ Elizabeth Caldwell</li><li>■ Rashele Wiltzius</li></ul>

# Summer/Q2 2021 Settlement Release

- Release scope:
  - Projects:
    - Summer 2021 Readiness: Make Whole/Uplift Settlement for Economic Bid Hourly Block Resources with FMM Inc Import or FMM Dec Export.
- 1<sup>st</sup> draft tech docs posted: **4/7**
- 1<sup>st</sup> draft config output file + release component summary + updated tech docs: **4/21**
- 2<sup>nd</sup> draft config output file: **5/11**
- Market sim in progress: extended, 4/26 – **7/6**
  - Conference calls are bi-weekly, Monday + Thursday
  - Stay current thru [Release User Group](#) (RUG), every other Tuesday 10-11am
  - Next RUG on 6/15
- Pre-prod configuration output file + release artifacts to post: **6/22**
- Anticipated prod deployment: **6/29**
  - Configuration effective date: **retro, 6/1** to meet system processing requirements
  - Upstream data flow expected: **6/15**, uplift would only calc on or after this date
  - Some TD processing may miss T+9 if uplift occurs, will reflect on T+70B

# 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: to be outlined 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 to post: **6/14**
- 2<sup>nd</sup> draft config output file + updated release component summary to post: **7/21**
- Market sim targeting: **7/26 – 9/3**
- 3<sup>rd</sup> draft config output file, tentative/if needed: **8/10**
- Pre-prod configuration output file + release artifacts to post: **9/22**
- Anticipated prod deployment: **9/29**

# PRR and BPM Updates

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

PRR	Title	Status for all
1338	Configuration change to MD over control area calculation applicable to pre and post-excess behind the meter formulas to correctly pass data into 8835 and to properly pro-rate the LAP neutrality allocation.	Recommendation comment period expires on June 15th. PRRs will be discussed at the June 22 BPM meeting.
1339	Configuration change to exempt both contracted internal pseudo-ties and resources with valid ETC/TOR contracts from intertie deviation settlement penalty charges calculated under charge code 6456	
1350	Created 6483 Hour-Ahead Scheduling Process Uplift (HASP) Settlement, and 6484 HASP Uplift Settlement Allocation to accommodate the changes as per the Real Time Market Import & Export Market Incentives during Tight System Conditions Initiative	

# Market Simulation Summer 2021 Updates

<u>Summer 2021 Release Initiatives</u>	<u>Start Date</u>	<u>Start Date (Trade Date)</u>	<u>End Date</u>	<u>Structured Simulation Start (Trade Date)</u>	<u>Go Live Date</u>
<b>Summer 2021 Release Market Simulation</b>	04/26/21	04/26/21	05/28/21	05/10/21	
<b>FERC order 831</b>				05/25-05/27, 6/3-6/4	June 15
<b>Resource adequacy enhancements track 1</b> <ul style="list-style-type: none"> <li>Phase 1 – Scenario 1,2</li> <li>Phase 2 – Scenario 3,4,5</li> <li>OMS Prevention of Extension &amp; Curtailment Increase; Overlapping Outages; Ambient Outages</li> </ul>		<ul style="list-style-type: none"> <li>Phase 1 – 5/19</li> <li>Phase 2 – 6/14</li> <li>OMS Changes</li> </ul>		<ul style="list-style-type: none"> <li>Phase 1 - 5/20</li> <li>Phase 2 – 6/15</li> <li>OMS Changes</li> </ul>	<ul style="list-style-type: none"> <li>Phase 1 - June 03</li> <li>Phase 2- June 30</li> <li>OMS Changes - July 1</li> </ul>
<b>Summer 2021 readiness</b> Phase 1 – Scenario 6,7 Phase 2 – Scenario 1,2,5 Phase 3 – Scenario 3,4		Phase 1 – 5/20 Phase 2 – 5/27 Phase 3 – 6/14		Phase 1 – 5/20 & 5/25 Phase 2 – <del>6/2</del> 6/3 & 6/4 <b>Noon to 5 PM</b> Phase 3 – 6/15 & 6/17	Phase 1&2 – June 15 Phase 3 – June 30
<b>Summer 2021 readiness</b> Export, wheeling, and load scheduling priorities		6/30	7/6	TBD	By July 15

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

# Market Simulation Initiatives – Summer 2021 Updates

- Timeline: April 26 – June 07
  - **FERC order 831**
- Structured: May 25, 26, 27 (Buffers dates June 1, 2, 3)
  - Structured Scenarios document -
  - <http://www.caiso.com/Documents/MarketSimulationStructuredScenarios-FERCOrder831.pdf>
  - Rerun Structured Scenario
    - Scenario 2 and 3 – Trade Date June 3
    - Scenario 1 – Trade Date June 4
  - **Resource adequacy enhancements track 1**
- Structured: Phase 1: May 20, Phase 2: June 15
  - Structured Scenarios document -
  - <http://www.caiso.com/Documents/MarketSimulationResourceAdequacyEnhancementTrack1.pdf>
  - **Summer 2021 readiness**
- Structured: Phase 1: May 20 & 25, Phase 2: June 3 & 4, Phase 3: June 15 & 17
  - Structured Scenarios document -
  - <http://www.caiso.com/Documents/MarketSimulationStructuredScenariosSummerReadiness2021.pdf>
  - Market Sim Phase 2
    - TD 6/3 – Scenario 2
    - TD 6/4 – Scenario 5

# Market Simulation Calendar



## Summer 2021 Release Calendar (MAP STAGE) Apr 26, 2021 through Jul 6, 2021

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 for Recalc	Publish Recalc Statement T+8B	Publish Market Invoice
				T+9B		T+70B	
05-Jun-21	Saturday						
06-Jun-21	Sunday						
07-Jun-21	Monday	4-Jun	3-Jun	Monthly Initial 25-May -27-May		25-May	Daily Initial 25-May; 26-May; 27-May Monthly Initial 25-May - 27-May
08-Jun-21	Tuesday	7-Jun	4-Jun			26-May	
09-Jun-21	Wednesday	8-Jun	7-Jun	2-Jun	2-Jun	27-May	
10-Jun-21	Thursday	9-Jun	8-Jun	3-Jun	3-Jun	Monthly Recalc 25-May -27-May	Daily Recalc 25-May; 26-May; 27-May Monthly Recalc 25-May - 27-May
11-Jun-21	Friday	10-Jun	9-Jun	4-Jun; Monthly Initial 02-Jun -04-Jun	4-Jun		Daily Initial 02-Jun; 03-Jun; 04-Jun Monthly Initial 02-Jun -04-Jun
12-Jun-21	Saturday						
13-Jun-21	Sunday						
14-Jun-21	Monday		10-Jun	7-Jun	7-Jun	2-Jun	
15-Jun-21	Tuesday			8-Jun	8-Jun	3-Jun	
16-Jun-21	Wednesday	15-Jun		9-Jun	9-Jun	4-Jun; Monthly Recalc 02-Jun -04-Jun	Daily Recalc 02-Jun; 03-Jun; 04-Jun Monthly Recalc 02-Jun -04-Jun
17-Jun-21	Thursday		15-Jun	10-Jun	10-Jun	7-Jun	
18-Jun-21	Friday	17-Jun		Monthly Initial 07-Jun -10-Jun		8-Jun	Daily Initial 07-Jun; 8-Jun; 9-Jun; 10-Jun Monthly Initial 07-Jun -10-Jun
19-Jun-21	Saturday						
20-Jun-21	Sunday						
21-Jun-21	Monday		17-Jun			9-Jun	
22-Jun-21	Tuesday			15-Jun	15-Jun	10-Jun	
23-Jun-21	Wednesday	22-Jun				Monthly Recalc 07-Jun -10-Jun	Daily Recalc 07-Jun; 8-Jun; 9-Jun; 10-Jun Monthly Recalc 07-Jun -10-Jun
24-Jun-21	Thursday		22-Jun	17-Jun	17-Jun		
25-Jun-21	Friday	24-Jun		Monthly Initial 15-Jun -17-Jun		15-Jun	Daily Initial 15-Jun; 17-Jun Monthly Initial 15-Jun -17-Jun
26-Jun-21	Saturday						
27-Jun-21	Sunday						
28-Jun-21	Monday		24-Jun				
29-Jun-21	Tuesday			22-Jun	22-Jun	17-Jun Monthly Recalc 15-Jun -17-Jun	Daily Recalc 15-Jun; 17-Jun Monthly Recalc 15-Jun -17-Jun
30-Jun-21	Wednesday						
01-Jul-21	Thursday			24-Jun	24-Jun		
02-Jul-21	Friday	1-Jul		Monthly Initial 22-Jun -24-Jun		22-Jun	Daily Initial 22-Jun; 24-Jun Monthly Initial 22-Jun -24-Jun
03-Jul-21	Saturday						
04-Jul-21	Sunday						
05-Jul-21	Monday						
06-Jul-21	Tuesday		1-Jul				
07-Jul-21	Wednesday	6-Jul				24-Jun	
08-Jul-21	Thursday		6-Jul			Monthly Recalc 22-Jun -24-Jun	Daily Recalc 22-Jun; 24-Jun Monthly Recalc 22-Jun -24-Jun
09-Jul-21	Friday			1-Jul	1-Jul		



# Market Simulation Calendar (cont'd)



## Summer 2021 Release Calendar (MAP STAGE) Apr 26, 2021 through Jul 6, 2021

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 for Recalc	Publish Recalc Statement T+8B	Publish Market Invoice
				T+9B		T+70B	
13-Jul-21	Tuesday			6-Jul	6-Jul		
14-Jul-21	Wednesday			Monthly Initial 1-Jul -6-Jul		1-Jul	Daily Initial 1-Jul; 6-Jul Monthly Initial 1-Jul -6-Jul
15-Jul-21	Thursday						
16-Jul-21	Friday					6-Jul	
17-Jul-21	Saturday						
18-Jul-21	Sunday						
19-Jul-21	Monday					Monthly Recalc 1-Jul -6-Jul	Daily Recalc 1-Jul; 6-Jul Monthly Recalc 1-Jul -6-Jul
20-Jul-21	Tuesday						
21-Jul-21	Wednesday						
22-Jul-21	Thursday						
23-Jul-21	Friday						

# 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>
Energy Settlements Validation Practice	<a href="http://www.caiso.com/CBT/EnergySettlementsValidation/story.html">http://www.caiso.com/CBT/EnergySettlementsValidation/story.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>
Full Network Model	<a href="http://www.caiso.com/CBT/FullNetworkModel/FullNetworkModel.html">http://www.caiso.com/CBT/FullNetworkModel/FullNetworkModel.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>Fall 2021 Settlement Release Projects</li></ul>	<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>Hybrid Resource Phase 1b - <a href="#">Link</a></li><li>Real Time Settlement Review <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 · 18h

...

Market Simulation Production Resource Adequacy Capacity Substitution (RACS) activation was moved from Sunday, 6/6 to activate on Monday, 6/7, with the first RACS run to occur on Monday 6/7 at 8 p.m. [bit.ly/3f5G1Ob](https://bit.ly/3f5G1Ob)



**@ISOSettlements** @isosettlements · 22h

...

The Market simulation conference call has posted the presentations from the 5/31/21 and 6/3/21. [bit.ly/3eisGSJ](https://bit.ly/3eisGSJ)



**@ISOSettlements** @isosettlements · May 28

...

The 5/17/21 and 5/20/21 Market simulation conference call presentations have been posted. [bit.ly/3eisGSJ](https://bit.ly/3eisGSJ)



**@ISOSettlements** @isosettlements · May 28

...

Settlements posts draft technical documents for Fall 2021 projects. [bit.ly/3hE0XgY](https://bit.ly/3hE0XgY)



**@ISOSettlements** @isosettlements · May 27

...

The Settlement user Group posts the presentation and audio from the 5/26/21 web conference call. [buff.ly/380IOFy](https://buff.ly/380IOFy)



**@ISOSettlements** @isosettlements · May 24

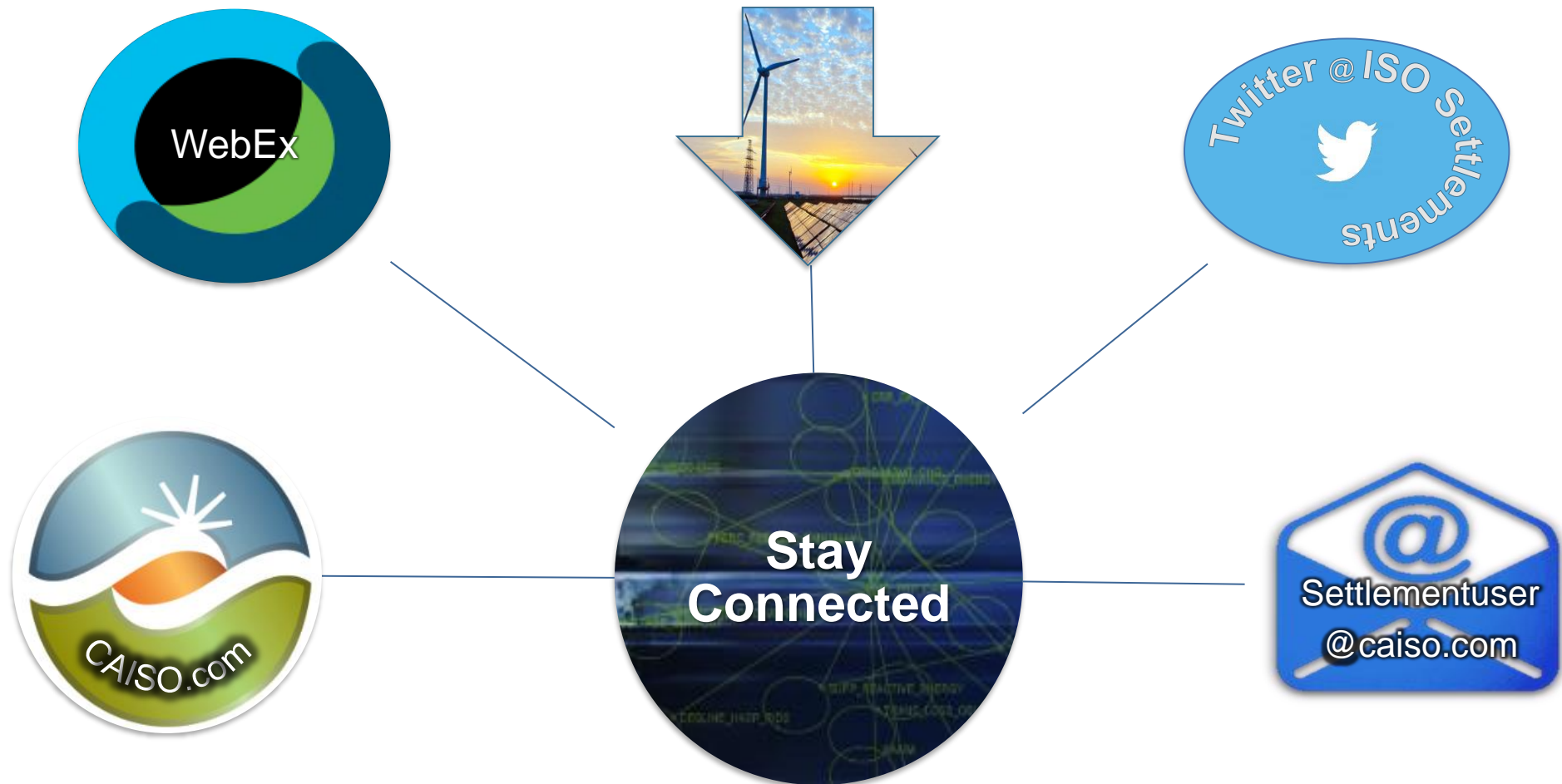
...

Business Practice Manuals Change Management next conference call is scheduled on 5/25 at 11 a.m. [bit.ly/32a1MWJ](https://bit.ly/32a1MWJ)



# Next SUG Meeting: June 23, 2021

at 10:00 A.M



# Settlement References

- Settlement User Group Calendar 2021
- Market Simulation New URLs – For MapStage
- 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
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31						

February						
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28						

March						
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April						
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May						
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30	31					

June						
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27	28	29	30			

July						
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August						
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29	30	31				

September						
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October						
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31						

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

Meeting Agenda posted Holiday

# Market Simulation New URLs – For MapStage

- <https://sibr.map.caiso.com>
- <https://bsap.map.caiso.com>
- <https://rcbsap.map.caiso.com>
- <https://baaop.map.caiso.com>



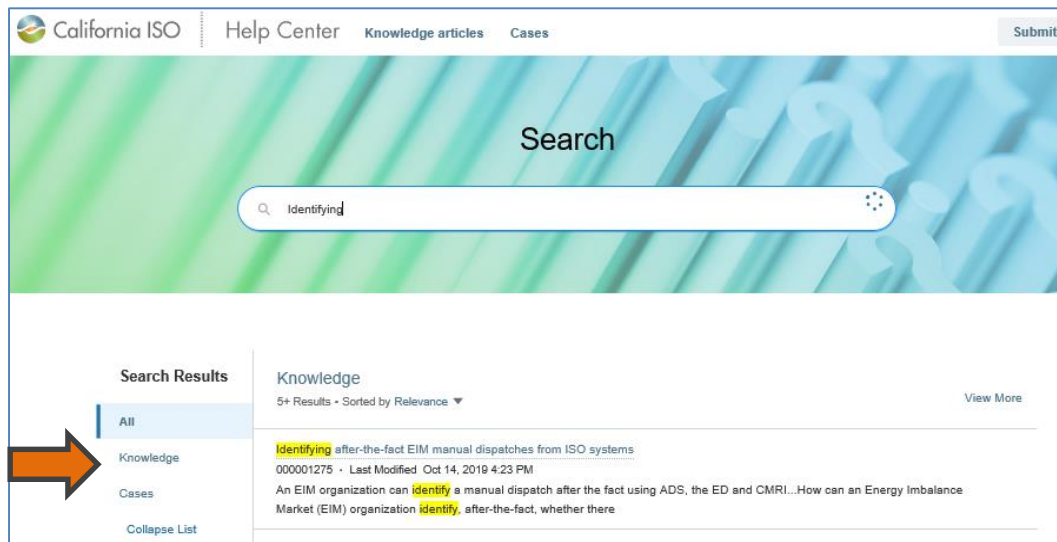
# Knowledge Articles

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](https://twitter.com/ISOSettlements) 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