



Settlement User Group

February 05, 2020

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

Web Conference Information	Conference Call Information
<p>Web Address: https://caiso.webex.com/meet/settlementuser</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 the phone number you will use during the call. You will be called by the conference shortly.</p>	<p>Dial-in Number: (866) 528-2256</p> <p>International Dial-in: (216) 706-7052</p> <p>Access Code: 673 78 64</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 meetings. The recordings, and any related transcriptions, should not be reprinted without the ISO's permission. The recording will be posted on our website and will be available for a short period of time/ until February 5th, 2020.</p> <p>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, but before asking your question, please state your name and affiliation.</p>	

Settlement User Group Agenda

February 05, 2020

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

Time	Topic	Facilitator
▪ 10:00 – 10:10	▪ Welcome and Introduction	▪ Brenda Corona
▪ 10:10 – 10:15	▪ RC Services and HANA Settlements	▪ Karen Voong
▪ 10:15 – 11:00	▪ Market Settlements <ul style="list-style-type: none">– Invoicing Update for RC Services– MRI-S API Acceptable Use Policy– CRR 1b Post Implementation Update– Feb. and Spring Release Scope and Milestone– PRR and BPM Update	▪ Karen Voong ▪ Justin Wong ▪ Jeremy Malekos ▪ Elizabeth Caldwell ▪ Brenda Corona

RC Services and HANA Settlements Updates

- **Production:**
 - RC Services
 - Invoice published on 01/30/2020
 - Payment is due by 03/02/2020
 - RC West Payment Calendar:
<http://www.caiso.com/Documents/RCWestAnnualPaymentsCalendar.pdf>
 - The RC West Services Charge rates for assessment years 2019 and 2020 are available at
<http://www.caiso.com/Documents/GridManagementChargeRatesfor2004-2020-Effective-Jan-01-2020.pdf>
 - HANA Services: No updates
- **Release Info:** RC enhancement scheduled for Spring 2020 Release
- **Resources:** The RC Customer Settlements Training Module is available at
<http://www.caiso.com/participate/Pages/LearningCenter/ComputerBasedTraining.aspx>
- **Reminder:** RC West allows the use of the Automated Clearing House (ACH) payment system, in addition to the Fed Wire system, for all market transactions. Payments made through the ACH system cost significantly less than Fed Wires. More information about this option is available at
http://www.caiso.com/Documents/ISO_PaymentSelectionInstructions-EFT-Form.doc.

RC West Recalculation of Statements and Invoices – scheduled publication for 1/30/20

- Received a dispute on the RC Services Invoice which was published on 01/02/2020. After further research, this dispute is valid. As a results, we will be posting a Recalculation RC Services Statements and Invoices
- Payments for the invoices are due no later than 10:00 a.m. (Pacific Time) on March 2, 2020.
- The RC Services Recalculation statement and invoice files can be retrieved in MRI-S under the Reliability Coordination tab by selecting RC Services Recalculation and/or RC Services Invoices as the file type and setting the post date to Jan. 30,2020. Statement and invoice file sets are available on MRI-S and SFTP for 45 calendar days after publication. RC Customers are advised to download the files for validation purposes and future reference.

Statement	Bill Period
RC Services Recalculation	Jan. 1, 2020 - Dec. 31, 2020

RC West Recalculation of Statements and Invoices – scheduled publication for 1/30/20 - (cont.)

- Received a dispute on the RC Services Invoice which was published on 01/02/2020. After further research, this dispute is valid. As a results, we will be posting a Recalculation RC Services Statements and Invoices
- This issue only impacts Internal ISO customers
- Only impacts internal SCs charge code **5705** only
- Does **not** apply to external customers outside our BA that were charged for charge code 5701
- For charge code **5705 only** please submit a CIDI ticket, to validate any impacts after the recalculation

Statement	Bill Period
RC Services Recalculation	Jan. 1, 2020 - Dec. 31, 2020

MRI-S API Acceptable Use Policy (AUP)

- In order to ensure system stability and performance, ISO is planning to implement AUP for the MRI-S application API:
 - Impacts only retrieve meter data service
 - It does not impact retrieve batch validation and submit meter data services.
 - Allows a user to retrieve meter data service request once every 30 seconds.
 - Participants can submit/retrieve other service requests within the same time period (i.e.30 seconds)

The user will receive the following error message if the same service is submitted or retrieved within 30 seconds:

- *"CAISO MRI-S Acceptable Use Policy Violation. Please retry your request again in 30 seconds from now. Note: Time resets each time you request before expiration."*
 - Technical Specification document is updated with this information.
 - **Based on market participant feedback, the ISO has delayed the deployment until 26 February 2020.**

CRR 1b Post Implementation Update

- CRR 1b Post Implementation Update
 - Shift factors will be posted prospectively
 - The requirement is agnostic so it will include all markets, i.e. Day Ahead and Real Time
 - <http://www.caiso.com/Documents/BusinessRequirementsSpecification-on-CongestionRevenueRightsDataTransparencyEnhancements.pdf>
 - MAP STAGE and Connectivity end of February – On track
 - Market Simulation begins March 24 – On track
- PRR 1223 has been made available, to provide additional language in Attachment J to address the new data being made available under the CRR transparency project. Effective date of these changes is tentatively scheduled for early March

CRR 1b Post Implementation Update (cont.)

Summary of change:

- **Issue:** CRR options are not receiving adequate payment for their CRR. This issues is due to the netting of notional values across time intervals when the option is in the counter flow vs. flow direction. The CRR option should receive a payment in the flow direction and not receive a payment when the sink exceeds the source.
- **Solution:** This enhancement will run prior to the CRR1B calculation process. The source and sink MCCs shall be compared for each option CRR and each hour. If the value of sink MCC - source MCC is positive, then the CRR shall be included in the CRR1B calculations for that hour. If the value is zero or negative, then the CRR shall not be included. This shall be an hour by hour comparison. A possible outcome is that an option CRR is considered in CRR1B for some hours but not all hours.
 - This change will be effective **1/1/2019**
- Validation of CRR 1b notional value instructions see reference slide 18

Update on CRR 1b Publication Schedule (cont.)

Calendar Date	Trade Dates	Statement Reflected On	Status
1/7/2020	12/23-12/30/19	T+12B	Completed
1/8/2020	11/23-11/30/19	T+12B	Completed
1/9/2020	12/1-12/4/19	T+12B	Completed
1/9/2020	12/5-12/7/19	T+55B	Completed
1/10/2020	12/8-12/14/19	T+55B	Completed
1/13/2020	12/15-12/22/19	T+55B	Completed
1/14/2020	10/1-10/8/19	T+55B	Completed
1/15/2020	10/9-10/15/19	T+55B	Completed
1/16/2020	10/16-10/23/19	T+55B	Completed
1/17/2020	10/24-10/26	T+55B	Completed
1/20/2020	3/22-3/29/19	T+18M	Completed - published on 1/17/2020
1/21/2020	3/30-4/5/19	T+18M	Completed
1/22/2020	4/6-4/12/19	T+18M	Completed
1/23/2020	4/13-4/16/19	T+18M	Completed

Feb 2020 and Spring 2020 - Release Scope and Milestones

February 2020 Settlement Release

- Deploying **FERC effective date change** early to allow correction on the 12/1, T+55 statement, schedule to be published on Thursday 2/20
- Production dated **draft** configuration file to be provided **2/5**
- Prod deployment date is 2/5 to allow internal processing time
- Final configuration output file to be provided no later than **2/10**

Spring 2020 Settlement Release

- Prod deployment planned for **4/29**
- Draft scope:
 - **Project:** Black Start Phase 2
 - **Production Variances:** RC enhancement
 - 1st draft configuration output file + release component summary planned for **2/24**

PRR and BPM Update

- **PRR 1227** for FERC 841 effective date and **PRR 1223** for congestion revenue rights transparency project; comment period will close 2/19/2020
 - Please refer to 2/4/20 market notice
- PRRs will be discussed during the Feb. 25, BPM Change management meeting
 - Spring release tech docs for project related to be posted **Feb.10**
- PRR 1215 and 1216 have been posted

PRR	Charge Code	Name	Effective Trade Date Start
1215	6700	CG CC 6700 CRR Hourly Settlement_5.13	12/1/2019
1215	6701	CG CC 6701 Monthly CRR True-Up_5.1	12/1/2019
1216	RT_ENERGY_PC	CG PC Real Time Energy Quantity 5.17.1	4/4/2018
1216	RT_ENERGY_PC	CG PC Real Time Energy Quantity 5.18.1	11/1/2018

Next SUG: Feb 19, 2020

Contact for Questions & Agenda Requests: settlementuser@caiso.com

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Settlement References

- Settlement Timeline
- Knowledge Article
- Twitter
- SUG meeting calendar for 2020
- Validation of CRR 1b Notional Value

Settlement Timeline

Selected Option 1: Trade Date Specific Cutover

TRADE DATES	3B	9B	12B	55B	70B	9M	11M	18M	21M	24M	33M	36M
1/1/2021-forward												
12/31/2017 - 12/31/2020												

Benefits:

- Straight forward (clean cut) transition

Effective date for change

- 1/1/2021

Knowledge Articles

CAISO has posted **Knowledge Articles** for FAQs in CIDI.

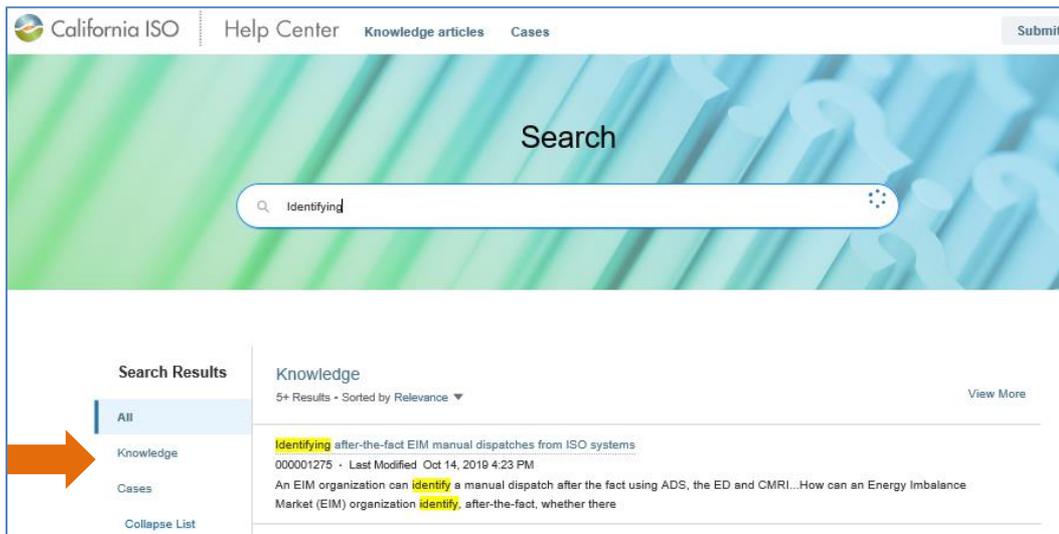
To access the articles in CIDI, you either:

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:

- RC rate location
- RC Informational Statement
- RC services charge
- 2019 prorated RC charge
- Payment calendar



The screenshot shows the California ISO Help Center interface. At the top, there are navigation links for "California ISO", "Help Center", "Knowledge articles", and "Cases". A search bar is prominently displayed with the word "Identifying" entered. Below the search bar, the search results are shown, with a filter for "Knowledge" selected. The first result is titled "Identifying after-the-fact EIM manual dispatches from ISO systems" and includes a brief description: "An EIM organization can identify a manual dispatch after the fact using ADS, the ED and CMRI...How can an Energy Imbalance Market (EIM) organization identify, after-the-fact, whether there". An orange arrow points to the "Knowledge" filter in the search results sidebar.

ISO Settlements New Twitter

- Settlement related updates
- Market sim updates
- Note: Will not replace any existing media communications



Twitter FAQs (cont.)

- 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

The image displays two screenshots of the Twitter interface. The left screenshot shows the profile page for @ISOSettlements, featuring a profile picture of a stylized sun and waves, the name @ISOSettlements, and a bio: "Market participants, RC West customers and vendors can stay up to date on news and information from the @California_ISO's Settlement User Group." Below the bio are statistics for Tweets (4), Following (1), and Followers (13). A red arrow points from the profile picture to the right screenshot. The right screenshot shows the search results for 'isosettlements', with the 'People' tab selected. A red arrow points from the search bar to the profile picture in the search results, and another red arrow points from the profile picture in the search results to the profile picture in the left screenshot. The search results also show a 'New to Twitter?' sign-up prompt and a 'Sign up' button.

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.



California ISO

January						
S	M	T	W	T	F	S
			1		3	4
5	6	7	8	9	10	11
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19	20	21	22	23	24	25
26	27	28	29	30	31	

February						
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March						
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29	30	31				

April						
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May						
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24	25	26	27	28	29	30
31						

June						
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28	29	30				

July						
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26	27	28	29	30	31	

August						
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23	24	25	26	27	28	29
30	31					

September						
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27	28	29	30			

October						
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11	12	13	14	15	16	17
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25	26	27	28	29	30	31

November						
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15	16	17	18	19	20	21
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29	30					

December						
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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

Validation of CRR 1b Notional Value – PDF and reports

- Please review the document **prior** to submitting CIDI ticket related to CRR Notional Value

http://www.caiso.com/Documents/ValidationofCRRNotionalValue_Apr17_2019.pdf

- PDF also located in Settlement user group > 2020 Web conferences section

Name of the two reports:

- CMRI CRR Revenue Adjustment Details report
- CMRI Revenue Adjustment report
 - The details report contains all the data the Summarized report and is provided for each CRR at a unique source and sink location
 - The details report has data back to January 2019