



California ISO

Settlement User Group

July 31, 2024

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 your phone number you will use during the call.</p> | <p>US Toll Free: 1-844-621-3956</p> <p>US Toll : 1- 650-479-3208</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 August 14th, 2024. 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> | |



[mute](#)

Settlement User Group Agenda

Wednesday, July 31, 2024

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

| Time | Topic | Presenter |
|-----------------|--|-----------------|
| ▪ 10:00 – 10:02 | ▪ Welcome and Introduction | ▪ Massih Ahmadi |
| ▪ 10:02 – 11:00 | ▪ Settlements | |
| | ▪ Independent 2024 Release | ▪ Massih Ahmadi |
| | ▪ Draft of 2024 Fall Release | ▪ Massih Ahmadi |
| | ▪ DAME and EDAM Tech Docs Posting Update | ▪ Massih Ahmadi |

2024 Independent Release

- **Advisory Shutdown Flag Project:**
 - Completed
 - QRB Approved on 7/22
 - Production Activation: 8/1
 - External notification was sent to SUG users Tuesday July 23rd at 9:25AM
- **Transmission Exchange Agreement Renegotiation (TEA) Project:**
 - Market Sim tentative start in October

Draft of 2024 Fall Release

***Please note this is our first draft of 2024 Fall Release. It's subject to change ***

Release Scope:

- **Project:**

- **FERC 2222**

- FERC Order 2222 seeks to remove barriers for DCR (Distributed Curtailment Resources) participation in RTO/ISO markets.
 - *There is no Settlements changes, no tech doc posting*

- **Non-Projects:**

- **COTP Loss:**

- Defect: Apply losses for the California Oregon Transmission Project (COTP) scheduled into the California Independent System Operator Corporation (CAISO) Balancing Authority Area using COTP capacity made available by Pacific Gas and Electric Company (PG&E) and the Transmission Agency of Northern California (TANC) consistent with the CAISO Tariff

Draft of 2024 Fall Release

Please note this is our first draft of 2024 Fall Release. It's subject to change

– RC Configuration Change:

- Defect: Issue with multiple BAA for Minimum RC Charge Flag
 - *No ICG change, no BPM or PRR*

– RAAIM LESR Change:

- Defect: Revise the Generic **Availability** and Flexible Obligation calculations for LESR RA resources

– RMR:

- Defect: Fix a typo in BD with impact to CC 6470 and 7020
 - *No ICG change, no BPM or PRR*

– Hierarchy Charge Name

- Defect: Hierarchy Charge Names with Discrepant BILL_DETERMINANT_NAME & BILL_DETERMINANT_ALIAS Values

Draft of 2024 Fall Release

Please note this is our first draft of 2024 Fall Release. It's subject to change

– AET:

- Defect: ABC Regulation not being accounted for correctly in some scenarios for AET.

– Reference Date Usage (T vs S):

- Defect: Some Bill Determinants need to be updated from reference date “S” to “T” to align with best business practices. align with best business practices.

Draft of 2024 Fall Release Milestones

Please note this is our first draft of 2024 Fall Release. It's subject to change

Release Milestones:

- 1st draft config output file + release component summary posted: **8/12/24**
- 2nd draft config output file + revised release component summary posted: **9/4/24**
- Market sim/sample statement window: **9/16 – 10/14**
- Pre-prod configuration output file + release artifact revisions targeting: **10/23**
- Anticipated prod deployment: **11/1**

DAME and EDAM Tech Doc Posting

Method of posting tier 3 along with updates to tiers 1 & 2 by 8/26/24:

- We will post tier 3 in a new section, and we will replace any updates to tiers 1 & 2 under original post location.
- Identified issues with other methods:
 - Complex and difficult to track changes via different highlighted colors
 - Highly susceptible to manual errors, which poses a significant risk of providing incorrect information and could lead to unnecessary rework for market participants
- We will post updates to tiers 1 & 2 as replacement in their original post location
 - All updates (past and new) will be captured in Yellow highlight
 - The change can be identified via “Compare” function in M.S. Word – Training can be provided
 - We will send out notification regarding which tech docs was revised in tiers 1 & 2
 - We will also list them in our SUG meeting
 - Please look for current “Posted” date to right of tech docs to see which ones were replaced – see example in the next slide
 - We plan to post a second draft tech docs early next year (date TBD) after completing some testing. Second draft tech doc posting will be posted in the same folders, and we will only overwrite the documents that have been revised. Notifications will be sent out detailing which tech docs have been updated in the second draft tech doc posting.

DAME and EDAM Tech Doc Posting

Example of a revised tech doc which was modified:

Fall 2025 settlements release - DAME and EDAM tier 1 technical documents

Search by title



This is an example of a tech doc which was modified



| TITLE | TYPE | POSTED |
|--|-------------------------|---------------------|
| CG CC 8077 Day Ahead Imbalance Reserve Up Tier 2 Allocation <small>DOC</small> | Technical Documentation | 05/06/2024, 3:09 PM |
| CG CC 6670 Real Time Regulation Down Capacity Settlement <small>DOC</small> | Technical Documentation | 01/16/2024, 1:21 PM |
| CG PC Start-Up and Minimum Load Cost <small>DOC</small> | Technical Documentation | 01/16/2024, 1:21 PM |
| CG CC 6824 No Pay Residual Unit Commitment (RUC) Settlement <small>DOC</small> | | 01/16/2024, 1:21 PM |
| CG PC Spin Non-Spin No Pay Quantity <small>DOC</small> | Technical Documentation | 01/16/2024, 1:21 PM |
| CG CC 6200 Day Ahead Non-Spinning Reserve Capacity Settlement <small>DOC</small> | Technical Documentation | 01/16/2024, 1:20 PM |

Next SUG Meeting: August 14th, 2024 at 10:00 A.M



Settlement User Group Calendar 2024

| January | | | | | | |
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| September | | | | | | |
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| December | | | | | | |
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Meeting

Holiday

Settlement User Group

Thank you for participating in our call

2024 Summer Settlements Release

- 2 Project scope with direct settlement impact
 - **Transmission Exchange Agreement Renegotiation (TEA) from Western:**
 - *The Transmission Exchange Agreement (“TEA”) with WAPA-SNR, PG&E and ISO is scheduled to expire 9/30/2024. A term of the original agreement executed in 2004, was that the ISO would develop a system that allowed WAPA to sell their unused capacity on their line. This project provides solution to the scheduling issue which needs to be in place by June 2024 to ensure that the ISO has solved the problem and support filing an amendment and extension of the TEA at FERC.*
 - **Transmission Service and Market Scheduling Priorities Phase 2 (TS+MSP)**
 - *This project introduces a design to identify Available Transfer Capability (ATC) that can be allocated to Priority-Wheeling-Through (PWT) across the ISO system. This project also provides opportunity for external entities to drive transmission upgrades across the ISO system to support a wheeling-through . Will result in updates to the Wheel Export Quantity PC. The Original Wheeling Priority SC should be charged WAC for the Maximum of Wheeling Priority Quantity and scheduled export. If a resale should occur the purchaser of the resale Wheeling Priority Quantity should be assessed WAC on the maximum of schedule export less purchased Wheeling priority MW and zero.*

2024 Summer Settlements Release

- Non-project scope: **tentative**
 - **Assistance Energy Transfer (AET)**
 - In CC 6476 the flag "ResourceETSRFlag_{rmd}" is being added where a BASE ETSR is indicated by a "1" and static or dynamic ETSRs are "0". BASE ETSRs will be excluded from the total transfer quantity calculation.
 - In CC6476 CC6479, new pass/fail RSE test flags to correctly account for incremental corrections of RSE test results
 - The retroactive effective date will go back to AET implementation 7/1/2023.
 - **Change to RT Congestion Pre-Calculation guide**
 - This fix is to calculate congestion at nodal level before aggregating the congestion to a BAA level for RT Energy Congestion Offset.
 - **Remove exclusion of NGR-REM from RAIM PC**
 - Formula 3.6.12.4 from RAIM PC BPM needs to remove exclusion of Non-Generator Resource-Regulation Energy Management (NGR_REM) to match system implementation with BPM intent. There is no BPM change nor PRR for this, since BPM is already correct.
 - Retroactively settle TD 9/1/2022 and potentially impacts CC 8830 and 8831 on RAIM penalty and incentives.

AS SOC Enhancement

- Configuration changes in RTM Net Amount Pre-Calc
 - Remove AS Awards check logic from:
 - Resource5minutelyRTMASSOCFlag rmdhcif
 - Remove Charge Types:
 - ResourceASSOCConASRevenueAmount rmdhcif
 - BAResourceRTMASSOCConASRevenueAmount BrtuT'l'M'F'S'mdhcif
- Input changes
 - Update AS SOC Bill Determinants to allow 0 values
 - Resource5mAncillaryServiceSOCConstraintFlag rmdhcif
 - Resource15mAncillaryServiceSOCConstraintFlag rmdhc
- Retroactive to Trade Date 7/1/2023

2024 Summer Settlements Release

- Non-project scope: ***tentative***
 - **Split Acquired Rights to two BDs:**
 - This issue is related to stack error due to bill determinant RSRC_DAILY_ACQUIRED_RIGHTS_FLAG that is creating a duplicate record.
 - Will use RSRC_DAILY_ACQUIRED_RIGHTS_FLAG for acquired rights, and a new determinant, RUN_OF_RIVER_FLAG for run-of-river resources exemption.
 - Prospectively settle TD 6/1/2024. No financial impact to market as same resources are collectively exempted.

RC West Initial and Recalculation Statement and Invoice Published January 3, 2023

- RC West has published the Reliability Coordinator (RC) Services Initial and recalculation statements and invoices for the period provided below to the Market Results Interface-Settlements (MRI-S) and the Secure File Transfer Protocol (SFTP) server on **Jan. 3, 2023**.

| Statement | Bill Period |
|---------------------------|-----------------------|
| RC Services Initial | 1/1/2023 - 12/31/2023 |
| RC Services Recalculation | 1/1/2022 - 12/31/2022 |

- The above RC Services statement and invoice files can be retrieved in MRI-S under the Reliability Coordination tab by selecting RC Services Initial, RC Services Recalc, or RC Services Invoices as the file types and setting the post date to Jan. 3, 2023.
- 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.
- Payments for the invoices are due no later than 10 a.m. (Pacific Time) on **Feb. 2, 2023**.

Settlement References

- Unscheduled Directed Recalculation Statements and Invoices – presented Jul 20
- NERC/WECC Invoice – presented Sep 14
- Knowledge Articles
- Ways to Participate in Settlements

Unscheduled Directed Recalculation Statements and Invoices

- The California ISO will publish unscheduled directed recalculation settlement statements under run type Daily Rerun Market on July 25, 2022 for the trading days April 1, 2017 thru July 30, 2018. The statements will reflect the outcome of updated wheeling access charge rates under Federal Energy Regulation Commission (FERC) order ER-17-998.
- A calendar 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 *Retroactive settlements > Recalculation settlements > Unscheduled directed* subheading.
- The California ISO has posted the following updated wheeling access charge rates effective as noted below on its [settlements webpage](#), under the Transmission access charge rates/Wheeling rates/Wheeling rates 2017 and 2018 subheadings.

Unscheduled Directed Recalculation Statements and Invoices

- These rates will be included in the unscheduled directed recalculation settlement calculation of transmission access charge transactions starting on the following trade dates:

| Wheeling Access Rates | FERC Order | FERC Order Date |
|-------------------------------|---|-----------------|
| Rates effective Apr. 21, 2017 | DATC Path 15, LCC 2017 TRR information under Docket Number ER17-998 | May. 26, 2022 |
| Rates effective Jan. 1, 2018 | DATC Path 15, LCC 2017 TRR information under Docket Number ER17-998 | May. 26, 2022 |
| Rates effective Ju1. 22, 2018 | DATC Path 15, LCC 2017 TRR information under Docket Number ER17-998 | May. 26, 2022 |

- Disputes may be submitted in accordance with section 11.29.8.4.8 of the ISO Tariff. Adjustments for any valid disputes related to incremental data changes will be reflected on a subsequent recalculation settlement statement.
- The market notice can be found in the <http://www.caiso.com/dailybriefing/Pages/default.aspx>

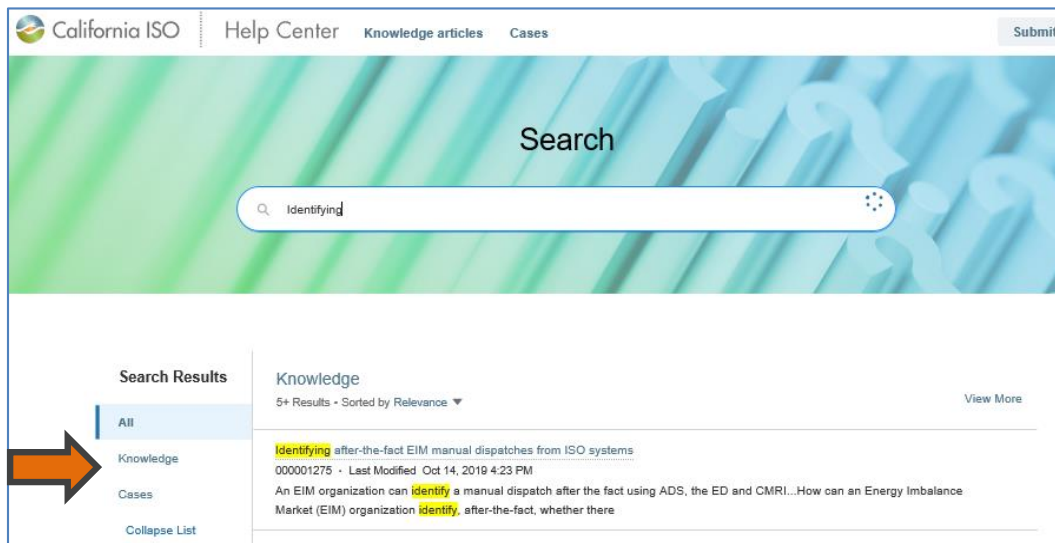
Knowledge Articles

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](#)

Ways to participate in settlements

- 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>