

Settlement User Group

Aug 28, 2024

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

Conference Call Information		
US Toll Free: 1-844-621-3956 US Toll : 1- 650-479-3208 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 September 11 th , 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.		
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.

Settlement User Group Agenda

Wednesday, Aug 28, 2024

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

Time	Торіс	Presenter
■ 10:00 – 10:02	Welcome and Introduction	Massih Ahmadi
■ 10:02 <i>—</i> 11:00	 Settlements 	
	2024 Independent Release	Massih Ahmadi
	2024 Fall Release Milestones	 Massih Ahmadi
	BPM/PRR Fall Release	Massih Ahmadi
	DAME and EDAM Tech Docs	Massih Ahmadi
	 Dispute Topics 	 Mai, Uma, Manoj
	 Unscheduled Directed Recalculations due to FERC Order 	 Rajani Marella
	RC Services and HANA	 Elise Yohpe
	 Training 	 Massih Ahmadi Presenters
🍣 California IS	ISO Public	🦉 Unmute 🕥

2024 Independent Release

- Transmission Exchange Agreement Renegotiation (TEA) Project:
 - Market Sim start in November



2024 Fall Release Milestones

Release Milestones:

- 1st draft config output file + release component summary posted: 8/13/24 Completed, external notification sent
- PRR/BPM have been posted: 8/27/24 Completed, external notification sent
- 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 activation: **11/1**



PRR and BPM Updates

Posted on BPM site. These PRRs will be discussed in Sep/Oct BPM calls

PRR	PRR Title	Stage
1583	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.	Initial
1584	RAAIM LESR - Defect: Revise the Generic Availability and Flexible Obligation calculations for Limited Energy Storage Resources (LESR) RA resources. Consistent with how generic obligation award is computed only for positive capacity, the generic availability will recognize only bids/availability for the capacity above zero.	Initial
1585	TSMSP2 - When updates (with a 6/1/2024 Effective Date) associated with the TSMSP2 project were released to Production with the Summer 2024 Release a defect discovered that entities with ATC Reservations are seeing a doubling of the export quantities associated with that intertie.	Initial

DAME and EDAM Tech Docs

Posted tier 3 and updates to tiers 1 & 2:

- Tier 3 = <u>32</u> tech docs with posted date of **8/23/24**
- Tier 2 = <u>24</u> revised tech docs with posted date of 8/26/24
- Tier 1 = <u>20</u> revised tech docs with posted date of 8/26/24

Location:

Release planning | California ISO (caiso.com)

CAISO/Systems and applications/Release planning

- Scroll all the way down to Fall 2025 Settlements Release DAME and EDAM
- External notification was sent on 8/27/24



DAME and EDAM Tech Docs – Tier 3

Fall 2025 settlements release - DAME and EDAM tier 3 technical documents

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TITLE	Ĵ TYPE Ĵ POSTED ↓
CG PC RTM Net Amount 5.39 III	<mark>08/23/2024,</mark> 10:09 AM
CG PC IFM Net Amount 5.20 🔤	<mark>08/23/2024,</mark> 10:09 AM
CG PC EDAM Access Charge 5.0 🔤	<mark>08/23/2024,</mark> 10:09 AM
CG PC Bid Cost Recovery Sequential Netting 5.3 🔤	<mark>08/23/2024,</mark> 10:09 AM
CG CC 66200 RTM Bid Cost Recovery EIM Settlement 5.4 🚥	<mark>08/23/2024,</mark> 10:09 AM
CG CC 64740 Real-Time Unaccounted for EIM Energy Settlement 5.5 🔤	<mark>08/23/2024,</mark> 10:09 AM
CG CC 8817 RUC Reliability Capacity Down Tier 2 Allocation 5.0 📼	<mark>08/23/2024,</mark> 10:09 AM
CG CC 8816 RUC Reliability Capacity Down Tier 1 Allocation 5.0 📼	<mark>08/23/2024,</mark> 10:09 AM
CG CC 8811 RUC Reliability Capacity Transfer Revenue Settlement 5.0 🔤	<mark>08/23/2024,</mark> 10:09 AM
CG CC 8807 RUC Reliability Capacity Up Tier 2 Allocation 5.0 🚥	<mark>08/23/2024,</mark> 10:09 AM
CG CC 8806 RUC Reliability Capacity Up Tier 1 Allocation 5.0 📼	<mark>08/23/2024,</mark> 10:09 AM
CG CC 8470 Real Time Energy Transfer Revenue Settlement 5.0 🚥	<mark>08/23/2024,</mark> 10:09 AM
CG CC 8411 Day Ahead Energy Transfer Revenue Settlement 5.0 🔤	<mark>08/23/2024,</mark> 10:08 AM
CG CC 8326 EDAM Access Charge Payment 5.0 🚥	<mark>08/23/2024,</mark> 10:08 AM
CG CC 8322 EDAM Access Charge Collection 5.0 🔤	<mark>08/23/2024,</mark> 10:08 AM



DAME and EDAM Tech Docs – Tier 2

Fall 2025 settlements release - DAME and EDAM tier 2 technical documents

Filter table contents by title	٩

TITLE	1 TYPE	POSTED
CG CC 7088 Monthly Flexible Ramp Down Uncertainty Award Allocation 📼	Technical Documentation	<mark>08/26/2024,</mark> 4:35 PM
CG PC Real Time Congestion 🔤	Technical Documentation	<mark>08/26/2024,</mark> 2:22 PM
CG PC NPM Precalculation 🔤	Technical Documentation	<mark>08/26/2024,</mark> 2:22 PM
CG PC PC Flexible Ramp Product 🔤		<mark>08/26/2024,</mark> 2:22 PM
CG PC Day Ahead Congestion 5.0 🔤	Technical Documentation	<mark>08/26/2024,</mark> 2:22 PM
CG CC 7081 Flexible Ramp Down Uncertainty Capacity Settlement 🔤	Technical Documentation	<mark>08/26/2024,</mark> 2:21 PM
CG CC 6460 FMM Instructed Imbalance Energy Settlement 🔤	Technical Documentation	<mark>08/26/2024,</mark> 2:20 PM
CG CC 491 Greenhouse Gas Emission Cost Revenue 🔤	Technical Documentation	<mark>08/26/2024,</mark> 2:20 PM
CG CC 6470 Real Time Instructed Imbalance Energy Settlement 🔤	Technical Documentation	<mark>08/26/2024,</mark> 2:20 PM
CG CC 7078 Monthly Flexible Ramp Up Uncertainty Award Allocation 📼	Technical Documentation	<mark>08/26/2024,</mark> 2:20 PM
CG CC 8404 Day Ahead Energy and Marginal Losses Offset 5.0 🔤	Technical Documentation	<mark>08/26/2024,</mark> 2:20 PM
CG CC 6476 Real Time Assistance Energy Transfer Surcharge 🔤	Technical Documentation	<mark>08/26/2024,</mark> 2:20 PM
CG CC 6985 Real Time Marginal Losses Offset 🚥	Technical Documentation	<mark>08/26/2024,</mark> 2:20 PM
CG CC 7087 Daily Flexible Ramp Down Uncertainty Award Allocation 🔤	Technical Documentation	<mark>08/26/2024,</mark> 2:20 PM
CG CC 64600 FMM Instructed Imbalance Energy EIM Settlement 🔤	Technical Documentation	<mark>08/26/2024,</mark> 2:19 PM
CG CC 8088 Resource Sufficiency Evaluation Allocation 5.0 🔤	Technical Documentation	<mark>08/26/2024,</mark> 2:19 PM

DAME and EDAM Tech Docs – Tier 1

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

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CG PC Spin Non-Spin No Pay Quantity 🚥	Technical Documentation	<mark>08/26/2024,</mark> 12:25 PM
CG PC Ancillary Services 🔤	Technical Documentation	<mark>08/26/2024,</mark> 12:25 PM
CG CC 6524 Non Compliance Regulation Up Settlement 🔤	Technical Documentation	<mark>08/26/2024,</mark> 12:25 PM
CG CC 6624 Non Compliance Regulation Down Settlement 🔤	Technical Documentation	<mark>08/26/2024,</mark> 12:25 PM
CG PC RA Availability Incentive Mechanism 📼		<mark>08/26/2024,</mark> 12:25 PM
CG CC 7070 Flexible Ramp Forecasted Movement Settlement 🔤	Technical Documentation	<mark>08/26/2024,</mark> 12:25 PM
CG CC 8800 Day Ahead RUC Reliability Capacity Up Settlement 🔤	Technical Documentation	<mark>08/26/2024,</mark> 12:25 PM
CG CC 8310 Day Ahead Greenhouse Gas Emission Cost Revenue 📼	Technical Documentation	<mark>08/26/2024,</mark> 12:25 PM
CG CC 7071 Flexible Ramp Up Uncertainty Capacity Settlement 🔤	Technical Documentation	<mark>08/26/2024,</mark> 12:25 PM
CG CC 8315 Day Ahead Green House Gas Offset 🔤	Technical Documentation	<mark>08/26/2024,</mark> 12:25 PM
CG CC 8810 Day Ahead RUC Reliability Capacity Down Settlement 🔤	Technical Documentation	<mark>08/26/2024,</mark> 12:25 PM
CG CC 6570 Real Time Regulation Up Capacity Settlement 🔤	Technical Documentation	<mark>08/26/2024,</mark> 12:24 PM
CG CC 6500 Day Ahead Regulation Up Capacity Settlement 🔤	Technical Documentation	<mark>08/26/2024,</mark> 12:24 PM
CG PC Real Time Energy Quantity 🔤	Technical Documentation	<mark>08/26/2024,</mark> 12:24 PM
CG CC 8076 Day Ahead Imbalance Reserve Up Tier 1 Allocation 🔤	Technical Documentation	<mark>08/26/2024,</mark> 12:24 PM





Dispute Topics

Dispute Team Mai Gehlert, Manoj George, and Uma Ramanathan

August 28, 2024

Issue #1: Incorrect Tie Name

> Description of the issue:

- During the complex project process to add the Fink station between Westley and Quinto, which is a CAISO intertie point at Westley, we discovered a mismatch in "TIE" naming from Intertie Tagging and Scheduling (ITS) to Masterfile, which is used in Settlements for the existing WESTLYQNTO point.
- As a result, our Settlement systems has not been mapping the Tie Meter Quantity for WESTLYQNTO correctly for some time. No disputes were filed on this issue, but we have started fixing this as far back as we can go, which is our T+24M settlement statement.
- Starting with Trade Date 7/1/2024, that tie name changed again, this time to WESTLYFINK. The settlement for WESTLYFINK will be discussed starting on slide 21.



Issue #1: Incorrect Tie Name Impact

Impacted Trade Dates:

• TDs 6/1/2022 - 6/1/2024

Impacted Charge Codes:

- CC6474: Real-Time Unaccounted for Energy (UFE) Settlement
- CC6477: Real-Time Imbalance Energy Offset
- CC64770: Real-Time Imbalance Energy Offset EIM
- CC6774 and CC67740: Real-Time Congestion Offset

Impacted BAA(s):

- PG&E: CC6474 (UFE) Settlement
- All SC under CAISO BAA: Since UFE is allocated to Loads, all the SC's will see a reduction in payment in CC6477 (RTIEO) Settlement
- All BAA's: If the UFE constraint is binding, it can potentially impact RTCO Congestion offset to all BAA's including WEIM.



Issue #1: Incorrect Tie Name Corrections

For the name change to WESTLYQNTO the following corrections will be/have been applied on the following respective settlement statements:

Settlement Statements	Trade Dates
T+9B	6/1/2024
T+70B	3/5/2024 through 5/31/2024
T+11M	7/18/2023 through 3/4/2024
T+21M	9/12/2022 through 7/17/2023
T+24M	6/1/2022 through 9/11/2022



Issue #1: Tie Name Change from QNTO to FINK

- Starting TD 7/1/2024, the Tie Name should have been changed from WESTLYQNTO to WESTLYFINK since it represents the same tie point.
- Since we are still completing the retroactive publication from ITS for the WESTLYLBNS to WESTLYQNTO name correction, we have not yet updated the name change to WESTLYFINK, as the name represents the same tie point due to the following reasons:
 - Volume of TDs that require republication from ITS, as well as the payload size, and want to avoid potentially impact statement processing and systems.
 - We discussed publishing WESTLYFINK starting with TD 7/1/2024 along side with the retroactive publication for WESTLYQNTO, however, in order to complete this we would have to change the name back and forth and want to eliminate the risk of publishing incorrect data.



Issue #1: Tie Name Change from QNTO to FINK

Corrections for the WESTLYQNTO to WESTLYFINK will follow the below schedule:

Settlement Statements	Trade Dates
T+9B	9/30/2024
T+70B	7/1/2024 through 9/29/2024



Issue #2: Incorrect Aggregate Node Load Schedules

Description of the issue:

 Starting from February 1, 2023, LAP schedule were incorrect in RTPD and RTD market for DLAP/MLAP/CLAP. This error coincided with the implementation of flexible ramping product enhancement. Incorrect LAP schedule impact the calculation of hourly LAP prices.

Impacted Trade Dates:

• February 1, 2023 - February 5, 2024

Impacted Charge Codes:

- CC6460 FMM Instructed Imbalance Energy Settlement (For MSS entities only)
- CC6475 Real Time Uninstructed Imbalance Energy Settlement
- CC6477 Real Time Imbalance Energy Offset

> Impacted BAA:

CAISO BAA
California ISO

Issue #2: Incorrect Aggregate Node Load Schedules

Settlement correction timeline:

Settlement Statements	Trade Dates
T+11M	9/15/2023 through 2/5/2024
T+21M	2/1/2023 through 9/14/2023

> Oasis Report for hourly LAP prices:

Corrected LAP prices are available in following Oasis report

Prices -> Energy Prices -> Hourly RTM LAP Prices

🍣 California ISO 🛛 OASIS 🔹 🖷 🕫 🕫 🛥		
ATLAS REFERENCE	REPORT DEFINITION PRICES TRANSMISSION SYSTEM DEMAND ENERGY ANCILLARY SERVICES CONGESTION REV	
Publications	4 31 To: 08/01/2024 31 Market/Process RTD V E Apply Reset	
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Message Time 🛛 🛔	Narket 🔶 Message Text	
08/01/2024 08:37	Due to a software defect, the hourly LAP prices for TD 2/1/2023 to 2/5/2024 were incorrect and need to be corrected from OASIS. Please note this is not a price correction because all nodal prices on OASIS are correct for those TDs. The CAISO plan to have this completed by 12/13/2024.	

Processing Issue:

- Issue Description -
 - We introduced changes to AS SOC through the Energy Storage Enhancements Track 1 project and it went to production on 7/1/2023. Per Tariff Section 11.6.6, the ISO is required to detect when storage resources are uneconomically dispatched to have sufficient SOC to meet Ancillary Service schedules and make the storage resource ineligible for RTM Bid Cost Shortfalls.
 - CAISO Settlements has removed the AS Revenue check from the configuration as part of Summer 2024 release effective from Trade Date 7/1/2023.
 - Market has been sending the AS SOC flags retrospective from Trade Date 7/1/2023. We included these flags and recalculated BCR Settlement on T+11M Settlement Statement. Based on dispute research for 7/1/2023, we have identified that some of the AS SOC flags were set incorrectly due to a processing issue.



Impacted Trade Dates:

- o 7/1/2023 through 12/12/2023
- Impacted Bill Determinants:
 - o RSRC_5M_AS_SOC_CONST_FLAG
 - o RSRC_15M_AS_SOC_CONST_FLAG
 - \circ RSRC_5M_RTM_AS_SOC@FLAG
- Impacted Charge Codes:
 - CC6620 and CC66200: Bid Cost Recovery Settlements CAISO and WEIM
- Impacted Resources:
 - o LESRs.
- Impacted SCs:
 - $\circ\,$ Both CAISO and WEIM



- > Additional Market Issue:
 - Impacted Trade Dates:
 - o 12/13/2023 through current Trade Date.
 - Details:
 - Through recent dispute research on T+9B regarding this flag, we have identified some new AS SOC flag issues that are affecting the current Trade Dates in the Market.
 - We have opened a variance and escalated the issue to our vendor and are expecting to get the fix by mid Sept 2024.



Corrections to address processing and market issue:

- CAISO is currently in the process of reprocessing and republishing the revised AS SOC Flags to both CMRI and Settlements starting from Trade Date 7/1/2023 through 12/12/2023 to correct processing issue.
- CAISO is working on a plan to correct the market issue retroactively starting from 12/13/2023 until the market issue fix is in place.
- We are still evaluating when the corrections will be applied to each settlement statement and will provide an update through a future SUG meeting once available.



Questions?





ISO Public

Unscheduled Directed Recalculations due to FERC Order

CSU Site Authority - FERC Filings and Settlements Overview

- December 13, 2023
 - Docket No. ER24-691-000
 - CSU Site Authority submitted a request to FERC to recover RAAIM penalties assessed by CAISO.
- March 20, 2024
 - Docket No. ER24-1585-000
 - CSU Site Authority submitted an offer of settlement to revise its RMR agreement with CAISO.
 - The settlement aimed to resolve issues related to the waiver request in Docket No. ER24-691-000.
- May 15, 2024
 - FERC approved the order to accept the proposed revisions to the RMR agreement and the resettlement of RAAIM penalties.
 - Relevant Period: February 11, 2022 July 10, 2022.



Unscheduled Directed Recalculations due to FERC Order

- CAISO Corrections and Settlements:
 - RMR Agreement Revisions:
 - Timeframe: June 1, 2022 July 10, 2022
 - Adjustments included in the T+24M Recalc Statements (already published).
 - RAAIM Resettlement:
 - Timeframe: July 1, 2022 July 10, 2022
 - Included in the same T+24M Recalc Statements.
- Unscheduled Directed Recalculations:
 - RMR Agreement Revisions: February 11, 2022 May 31, 2022
 - RAAIM Resettlement: February 11, 2022 June 30, 2022
 - Scheduled to be published starting from September 10, 2024, under Daily Rerun Market



Unscheduled Directed Recalculations due to FERC Order

- Related Market Notice:
 - Published on August 22, 2024, on our website.
 - Includes the Unscheduled Directed Recalculations Schedule.
- Related Market Notice Links:
- Market Notice: <u>Publication of Unscheduled Directed Recalculation Settlement Statements</u> <u>California ISO (caiso.com)</u>
- Unscheduled Directed Recalculations Schedule: <u>Library | Unscheduled directed | California ISO</u> (caiso.com)



RC Services and HANA

RC Services Assessment Year 2025:

- External RC West Informational Submittal Window 09/01/24 09/30/24
- RC West Informational Statement:
 - Publishes: 10/30/24
 - RC Customer Validation & External RC Customer Resubmittal Period Ends: 11/30/24
- RC West Initial/Recalculation Statement & Invoice
 - 2025 Initial & 2024 Recalculation Publishes: 01/02/25
 - End of Review Period and Payment Due: 02/03/25
- RC West Payment Calendar: <u>http://www.caiso.com/Documents/RCWestAnnualPaymentsCalendar.pdf</u>

HANA Services:

- The ISO will publish HANA Initial statement and Invoice for the period provided below to the Market Results Interface-Settlements (MRI-S) and the Secure File Transfer Protocol (SFTP) server on August 30, 2024.
- Payments for the invoices are due no later than 10:00 a.m. Pacific Time on October 1, 2024.

Statements	Bill Periods
HANA Initial	10/01/2024 - 10/31/2024



ISO Training Schedule

Training Course	Date and time
FERC 2222 Webinar	Sept. 12 th , 2024 9:00 am – 10:00am
Highest Emergency Rating	Sept. 12th, 2024 1:00 pm – 2:00 pm

New! Use our <u>Pre-Training Release Survey</u> to submit topics that you would like to see covered in the upcoming training.

Are you looking for more training?

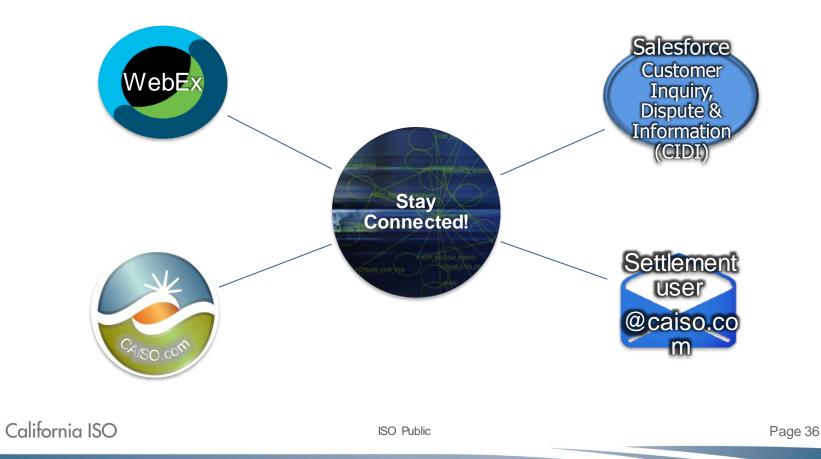
The ISO Training Center has computer based training available for lots of topics. Check out the Learning Center: https://www.caiso.com/stakeholder/training



California ISO

CustomerReadiness@caiso.com

Next SUG Meeting: September 11th, 2024 at 10:00 A.M



Settlement User Group Calendar 2024



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Meeting

Settlement User Group

Thank you for participating in our call

