California ISO

Settlement User Group

Mar 11, 2026   10:00 a.m. – 11:00 a.m. (Pacific Time)

Web Conference Information	Conference Call 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.	US Toll Free: 1-844-621-3956 US Toll : 1- 650-479-3208 Access Code: 961 854 046

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The recording will be posted on our website and be available for a short period of time until Mar 25th, 2026. 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.

mute

Settlement User Group Agenda

Wednesday, Mar 11, 2026   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	
	▪ Parallel Operation Update	▪ Massih Ahmadi
	▪ DAME/EDAM/EDAM ISO BAA PR Update	▪ Massih Ahmadi
	▪ Issues Fixed in the Latest Releases	▪ Massih Ahmadi
	▪ PRR 1662 – Settlements BPMs	▪ Massih Ahmadi
	▪ Known Issues	▪ Massih Ahmadi
	▪ Update on CRA Validation Readiness	▪ Massih Ahmadi
	▪ SPTO	▪ Anthony Stalter
	▪ Training	▪ Massih Ahmadi

Presenters

Unmute

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Parallel Operations – DAME/EDAM/EDAM ISO BAA PR Update

• The focus of parallel operations is validating end-to-end EDAM market functions and processes in a production-like setting.

• Parallel Operations provides entities with the opportunity to train and rehearse using their operational process, ensuring they understand how processes will function in the production environment.

• We are approaching parallel operations in three-phases
  – Phase 1 will focus on the Day Ahead run with no economic transfer.
  – Phase 2 will focus on the Day Ahead run, with economic transfer.
  – Phase 3 will include both the Day Ahead run and convergence into Real Time

• As of trade date 2/18, we are now in Phase 2

• We are targeting mid-March to progress into Phase 3

• The first settlement statement was published for trade date 2/5

• Onboarding WEIM Entities Black Hills Energy and Power Watch are also now in Parallel Operations, and Black Hills Energy's entry creates a new transfer with PacifiCorp

• We've received a high volume of CIDI inquiries. Anticipating this, our parallel operations period extends through April (4/30), so we have time to address all questions and concerns. If you have submitted an inquiry, we are tracking it and will respond to you as soon as possible.

Spring 2026 – DAME/EDAM/EDAM ISO BAA PR Update

- Due to migration of M.S. 365 organization wide, we were unable to send out external communication last week from Settlement User inbox.

- This issue was resolved on Monday 3/9.

- We've sent below communications on Monday 3/9:

  - Settlements deployment to Map Stage and Stage – 9:02am PST
  - Settlements BPM update - 9:02am PST

Spring 2026 – DAME/EDAM/EDAM ISO BAA PR Update

- We have deployed two Settlement code releases in both Map Stage and Stage.

- **First Release:**

  - STAGE (Parallel Ops) – The first TDs run with this release is **TD 2/26 for initial** and **TD 2/24 for re-calc**

  - MAP STAGE (Market Sim) – The first TDs run with this release is **TD 3/3** for both **initial** & **re-calc**.

    - Posted **10th** DAME and EDAM Draft Configuration Output File published on **3/5**

    - Draft Tech docs: 33 Tech Docs (posted date of **2/19** & **3/5**)

      - Mostly in the new section of Release Planning called *Settlements release – DAME and EDAM incremental updated technical documents* with exception of:

        » PC Real Time Energy Quantity – Tier 1 posted on 3/5
        » CC 8326 – Tier 3 posted on 3/5
        » CC 7088 – Tier 2 posted on 3/5

Spring 2026 – DAME/EDAM/EDAM ISO BAA PR Update

- Second Release (Fix to One CC 8470)**:**

  - STAGE (Parallel Ops) – The first TDs run with this release is **TD 3/3 for initial** and **TD 2/26 for re-calc**

  - MAP STAGE (Market Sim) – The first TDs run with this release is **TD 3/3** for both **initial** & **re-calc**.

    - Posted **11th** DAME and EDAM Draft Configuration Output File published on **3/10**

    - One Draft Tech doc posted on 3/11: CC 8470

      - Located in the new section of Release Planning called *Settlements release – DAME and EDAM incremental updated technical documents*

Issues Fixed in the Latest Releases

- **PC Real Time Energy Quantity:** Prod defect

  - **Issue**: Inclusionary business driver, BAResourceBAARTMeterQuantity BrtQ'T'uI'M'AA'R'F'S'Qpmdhcif, was not triggering outputs as expected for ITIE and ETIE resources..

  - **Impact**: Real Time Energy Quantity Pre-calculation.

  - **Resolution**: Created new Primary Bill Determinant, BA5MResourceTotalExpectedEnergy BrtuT'I'Q'M'AA'R'pQF'S'mdhcif, for use as an additional inclusionary business driver in the formulation of BAANodalTotalFMMIIEQuantity Q'AA'Qpmdhcif.

  - This is a retroactive resolution that will be promoted to production with DAME/EDAM Release.

  - The retroactive effective date of this resolution is 8/1/2024

  - Two versions of Real Time Energy Quantity Pre-calculation have been posted. Version 5.26 represents the retroactive change. Version 6.0.1 represents the prospective change. The resolution, represented within each version, is the same formulation.

Issues Fixed in the Latest Releases

- **CC 8326:**
  - **Issue**: Updates needed to streamline and improve the informational-only calculations for the revenues from wheeling-through transfers exceeding the TSP's imports and exports.

  - **Impact**: Initial hourly net transfer quantity calculation was inaccurate. This was the first step in the informational-only formula stream from section 3.6.12 to 3.6.21.

  - **Resolution**: Take the difference between BAA5MEIMTransferRSRCToTaggedQuantity BrQ'AA'Qpmdhcif and BAA5MEIMTransferRSRCFromTaggedQuantity BrQ'AA'Qpmdhcif to calculate BAAHourlyNetTransferQuantity Q'Qmdh.
    - Update formulas in sections 3.6.12 through 3.6.21 to improve formula flow and naming conventions.

Issues Fixed in the Latest Releases

- **PC FRP:**

    - **Issue**: Documentation did not align with configuration.

    - **Impact**: Documentation only change to align with configuration on AET Flag.

    - **Resolution**: Update with 6.0.0a to align Draft Tech doc with Configuration.

Issues Fixed in the Latest Releases

- **CC 7088:**

    - **Issue**: Posted Draft Tech Doc was not in alignment with PRR 1662 BPM.

    - **Impact**: Confusion to Market Participants over which version is correct.

    - **Resolution**: re-posting of draft tech doc in associated Tier to align with PRR 1662 BPM version.

Issues Fixed in the Latest Releases

- **PC RT Congestion:**

  - **Issue**: Congestion from Transfer Revenue not being allocated.

  - **Impact**: Incorrect Congestion Allocation.

  - **Resolution**: Include Congestion input from Real Time Transfer Revenue 8470 calculations.

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Issues Fixed in the Latest Releases

- **PC RT Price:**

  - **Issue**: Update for GHG related defect allocation support.

  - **Impact**: Incorrect allocation of GHG offsets 495 & 8315.

  - **Resolution**: Updated pricing to allow correct allocation of GHG Offsets 495 & 8315.

Issues Fixed in the Latest Releases

- **CC 8404:**

  - **Issue**: Update for GHG related defect allocation support and MSS Net allocation.

  - **Impact**: Potential to have incorrect MSS Net allocations in Day Ahead Offset.

  - **Resolution**: Design change to correctly settle MSS Net.

Issues Fixed in the Latest Releases

- **CC 64740:**

    - **Issue**: GHG related defect design change made changes to 64740 duplicative.

    - **Impact**: Extra unnecessary calculations.

    - **Resolution**: Revert 64740 to production configuration and note updates in business rules.

Issues Fixed in the Latest Releases

- **CC 8076 & 8086:**

    - **Issue**: Defect found in exports allocation calculation.

    - **Impact**: Self Scheduled Balanced Contracts were adding to allocation quantity rather than reducing.

    - **Resolution**: Updated formulas to correctly reduce allocation by Self Scheduled Balanced Contracts.

Issues Fixed in the Latest Releases

- **CC 8470:**

  - **Issue**: Defect found in RTD quantity calculation.

  - **Impact**: Incorrect deviation settlement from RTD Schedule to final metering.

  - **Resolution**: Applying /12 to both inputs corrects the calculation.

Issues Fixed in the Latest Releases

- **CC 8326:** *** Discussed on 2/25/26 SUG call ***

  - **Issue**: Formulation for excess wheel-throughs beyond transfers didn't calculate as expected to support MPs' component 3 of EDAM Access Charge recoverable revenue.

  - **Impact**: Potential for inaccurate recoverable revenue total amounts submitted as Attachment F.

  - **Resolution**: Streamlining of informational-only bill determinants in CC 8326. The settlement results were not impacted.

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Issues Fixed in the Latest Releases

- **CC 64600:** *** Discussed on 2/25/26 SUG call ***

  - **Issue**: The business rule description at rule 5.0 inaccurately noted that the HASP reversal rule applied only to EDAM BAAs.

  - **Impact**: The HASP reversal rule actually applies to SCs with E-Tags settled within an EDAM BAA outside of the CISO BAA.

  - **Resolution**: Documentation-only change to reflect that this rule applies to SCs with E-Tags settled within an EDAM BAA outside of the CISO BAA.

Issues Fixed in the Latest Releases

- **CC 8810, 8800, 8071, 8081:** *** Discussed on 2/25/26 SUG call ***

  – **Issue**: Need to conform to Tariff requirement. Tariff 11.2.6.4 requires information be provided to LSEs on the resource owner's total revenues from RA overlap for IRU/IRD/RCU/RCD, regardless of true-up mechanism election.

  – **Impact**: IR/RC Settlement CCs 8810, 8800, 8071, 8081. This is an advisory information that needs to be provided in-order to comply with Tariff.

  – **Resolution**: Created an advisory formula to assign resource owner's revenue from RA overlap less loss opportunity cost value. This value is made reportable to the relevant LSEs for the resource.

Issues Fixed in the Latest Releases

- **CC 6011:** *** Discussed on 2/25/26 SUG call ***

  - **Issue**: MCC pricing for non-contract quantity of DA energy ignores the MCC breakdown by BAA.

  - **Impact**: 6011 DA Energy Congestion Loss Settlement.

  - **Resolution**: Price the Non-contract DA energy qty with MCC breakdown instead of MCC total at the resource. This applies to non-MSS, MSS gross, and MSS net resources.

Issues Fixed in the Latest Releases

- **CC 8806, 8816:** *** Discussed on 2/25/26 SUG call ***

    – **Issue**: No pay contributes to the average pricing for the Tier 1 allocation per BAA.

    – **Impact**: RC Tier 1 Allocation CCs 8806 and 8816, resulted in wrong allocation due to wrong price.

    – **Resolution**: Remove no pay, and contribution of no pay in the average price per BAA.

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Issues Fixed in the Latest Releases

- **CC 6637:** *** Discussed on 2/25/26 SUG call ***

  - **Issue**: Assignment of uplift amount to EDAM entity SC is a payment instead of charge.

  - **Impact**: IFM BCR Tier 2 Allocation CC 6637 for non-CISO is incorrect.

  - **Resolution**: Remove unintended (-1) multiplier.

Issues Fixed in the Latest Releases

- **CC 6479:** Prod Defect – AET - *** Discussed on 2/25/26 SUG call ***

  - **Issue**: CAISO could have duplicate allocation.

  - **Impact**: None as this has not triggered.

  - **Resolution**: Apply a filter to prevent CAISO receiving duplicate allocation.

Issues Fixed in the Latest Releases

- **CC 491:** Incorrect calc of BA_5M_RSRC_EIM_RTD_GHG_OBLIG@QUANTITY
- *** Discussed on 2/25/26 SUG call ***

  - **Issue**: Quantity calculating incorrectly in RTD due to inclusion of DA schedule.

  - **Impact**: Incorrect settlement of RTD GHG.

  - **Resolution**: Update calculation for RTD to FMM to be a deviation from FMM to RTD.

Issues Fixed in the Latest Releases

- **CC 491, 495, 8310 and 8315:** *** Discussed on 2/25/26 SUG call ***

    - **Issue**: GHG prices and quantities had duplication due to flag use and incorrect pricing applied.

    - **Impact**: Incorrect Settlement of DA and RT GHG Offsets.

    - **Resolution**: Update RT and DA GHG Offsets and inputs to settle correctly.

Issues Fixed in the Latest Releases

- **CC 6476:** *** Discussed on 2/25/26 SUG call ***

  - **Issue**: EDAM_AET_Y being stopped in calculations due to attribute alignment.

  - **Impact**: Incorrect settlement of EDAM_AET_Y subpool.

  - **Resolution**: Update to correctly align attributes and subpool surcharge.

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Issues Fixed in the Latest Releases

- **CC 6477, 64770:** *** Discussed on 2/25/26 SUG call ***

  - **Issue**: GHG amount not accounted for in RTIEO.

  - **Impact**: Incorrect RTIEO Offset and potential doublecounting of GHG.

  - **Resolution**: Added accounting for RT GHG Offset in RTIEO.

Issues Fixed in the Latest Releases

- **CC 6013, 6473, 6985:** *** Discussed on 2/25/26 SUG call ***

  - **Issue**: Added GHG Regulation Area attribute to virtual awards quantity.

  - **Impact**: Account for GHG Regulation Area attribute by dropping attribute in respective Charge Code.

  - **Resolution**: Drop GHG Regulation Area Attribute in these Charge Codes.

Issues Fixed in the Latest Releases

- **CC 8470:** *** Discussed on 2/25/26 SUG call ***

    - **Issue**: Remove duplicate congestion calculations.

    - **Impact**: Removed 4 charge types from Charge Code.

    - **Resolution**: Less Charge Types in Charge Code.

Issues Fixed in the Latest Releases

- **CC 6700 -** Doc only change to remove predecessor charge codes no longer used

- **FRP_PC, CC 8011** - Doc only change to add successor charge code(s)

- *** Discussed on 2/25/26 SUG call ***

Known Issues

- **BA_HRLY_DA_VIR_AWARD_NODAL_QTY:**

  - **Issue**: Mapping was overwriting intervals with incorrect quantity values from payloads.

  - **Impact**: Incorrect quantity being used for virtual quantities in settlements.

  - **Resolution**: Updated mapping of BD to only consume correct quantity values.

    This change will be reflected in TD 3/5 initial and TD 3/3 re-calc forward for both environments (STAGE and MAP STAGE).

PRR 1662 – Settlements BPMs

- We've created PRR 1662 for Settlements BPMs

    - Initial comment period ends on March 17th

- We are planning to have a separate BPM call for Settlements BPMs

    - Wednesday March 25th 1-3pm PST

- Tech Docs posted under Tier 1 to Tier 3 reflects BPMs submitted with PRR 1662, this also aligns with the 9th config output file published Jan 28 on the Release Planning page.

- As communicated at the Jan 14 SUG meeting, any updates from the Tech Docs posted under Tier 1 to Tier 3 are reflected as incremental updates. They are posted under the new section of Release Planning called *Settlements release – DAME and EDAM incremental updated technical documents.*

- Incremental updates will be filed as emergency PRR when DAME/EDAM goes-live (5/1/2026), and will follow the emergency PRR process accordingly. They will be implemented to Production with DAME/EDAM go-live effective date (5/1/2026).

Update on CRA Validation Readiness

- **CC 8704:** STILL, Partial due to CRR and transmission contract flow through CRR Sources and Sinks impacting portion of this CC. – ETA End-March 2026

- The TSR contracts (OATTs) and EDAM legacy contracts are NOW available.

- **PC ETC TOR CVR Quantity:** Previously, partial due to TSR contracts and EDAM legacy contracts are not ready yet. – NOW, READY for Full Validation

- **PC System Resource Deemed Delivered Energy Quantity**: Previously, partial due to TSR contracts and EDAM legacy contracts are not ready yet. - NOW, READY for Full Validation

- **PC DA Congestion**: STILL, Partial due to CRR and transmission contract flow through CRR Sources and Sinks impacting portion of this CC. ETA End-March 2026

- The TSR contracts (OATTs) and EDAM legacy contracts are NOW available.

Subscriber Participating Transmission Owner (SPTO) Initiative

Project Background

- The SPTO Model is a new service the CAISO is making available to transmission with generation projects outside the CISO BAA to bring generation to meet California's policy initiatives.

- The model will support CPUC generation portfolios and will allow for additional transmission to be developed to connect the CISO BAA with out of state generation that lacked the necessary transmission to provide electricity to the CAISO BAA.

- The model provides an option for projects not chosen in the transmission planning process to solicit Subscribers who then pay for the project and join the CISO BAA.

- SPTOs will be exempt from transmission, congestion, and other minimal costs on the SPTO transmission line. Subscribers will receive similar priority to ETCs.

- Additionally, the Model provides a mechanism for generators who financed network upgrades the ability to receive reimbursement from non-subscribers that used the Subscriber PTOs line.

Subscriber Participating Transmission Owner (SPTO) Initiative

Settlements Implementation

- Updates to the following existing charge codes and pre-calculations:

  - CC 374 High Voltage Access Charge Revenue Payment

  - CC 384 High Voltage Wheeling Revenue Payment

  - Wheel Export Quantity Pre-calculation

  - High Voltage Access Charge and Transition Charge Pre-calculation

Market Participant Impact

- PTOs within the CISO BAA

- Subscriber PTOs commencing operations under this new model

SPTO Implementation Timeline

- Code is not in MAP Stage or Stage yet, but functional Testing of Settlement code is complete. We will post the SPTO technical documents to the Release Planning page this week.

- Once deployed to MAP Stage and Stage, we will have Test effective date of 7/1/24; Production retroactive effective date of 10/1/25.

- Promotion of SPTO settlement code to Map Stage and Stage alongside EDAM/DAME code is TBD, likely within the next 1-2 weeks.

- Production deployment date is TBD, either promote with DAME/EDAM code in April 2026, or promote separately soon after the DAME/EDAM.

- **Revisions to SPTO charge codes and pre-calculations do not impact DAME/EDAM-impacted CCs and pre-calculations.**

ISO Training Schedule

Training Course	Date and time
Scheduling Infrastructure and Business Rules (SIBR) Advanced Bid Submission & Validation	**March 19th, 2026 9:00 am - 11:00 am PST**

Use our Pre-Training Release Survey 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

Next SUG Meeting: March 25th, 2026 at 10:00 A.M

California ISO

2026

Settlement User Group Meetings

Note: dates subject to change; for the latest information please visit the Calendar on www.caiso.com

January

Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
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February

Su	Mo	Tu	We	Th	Fr	Sa
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March

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April

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May

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June

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July

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August

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September

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October

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November

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December

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🟧 SUG Meeting

Settlement User Group

Thank you for participating in our call