




Inter-SC Trades in Regional Markets – Draft Final Proposal

Stakeholder Meeting
September 11, 2024

Housekeeping reminders

- This call is being recorded for informational and convenience purposes only. Any related transcriptions should not be reprinted without ISO's permission.
- These collaborative working groups are intended to stimulate open dialogue and engage different perspectives.
- Please keep comments professional and respectful.

Instructions for raising your hand to ask a question

- If you are connected to audio through your computer or used the “call me” option, select the raise hand icon  located on the bottom of your screen.
 - **Note:** *3 only works if you dialed into the meeting.
 - Please remember to state your name and affiliation before making your comment.
- You may also send your question via chat to Christina Guimera or to all panelists.

CAISO Policy Initiative Stakeholder Process



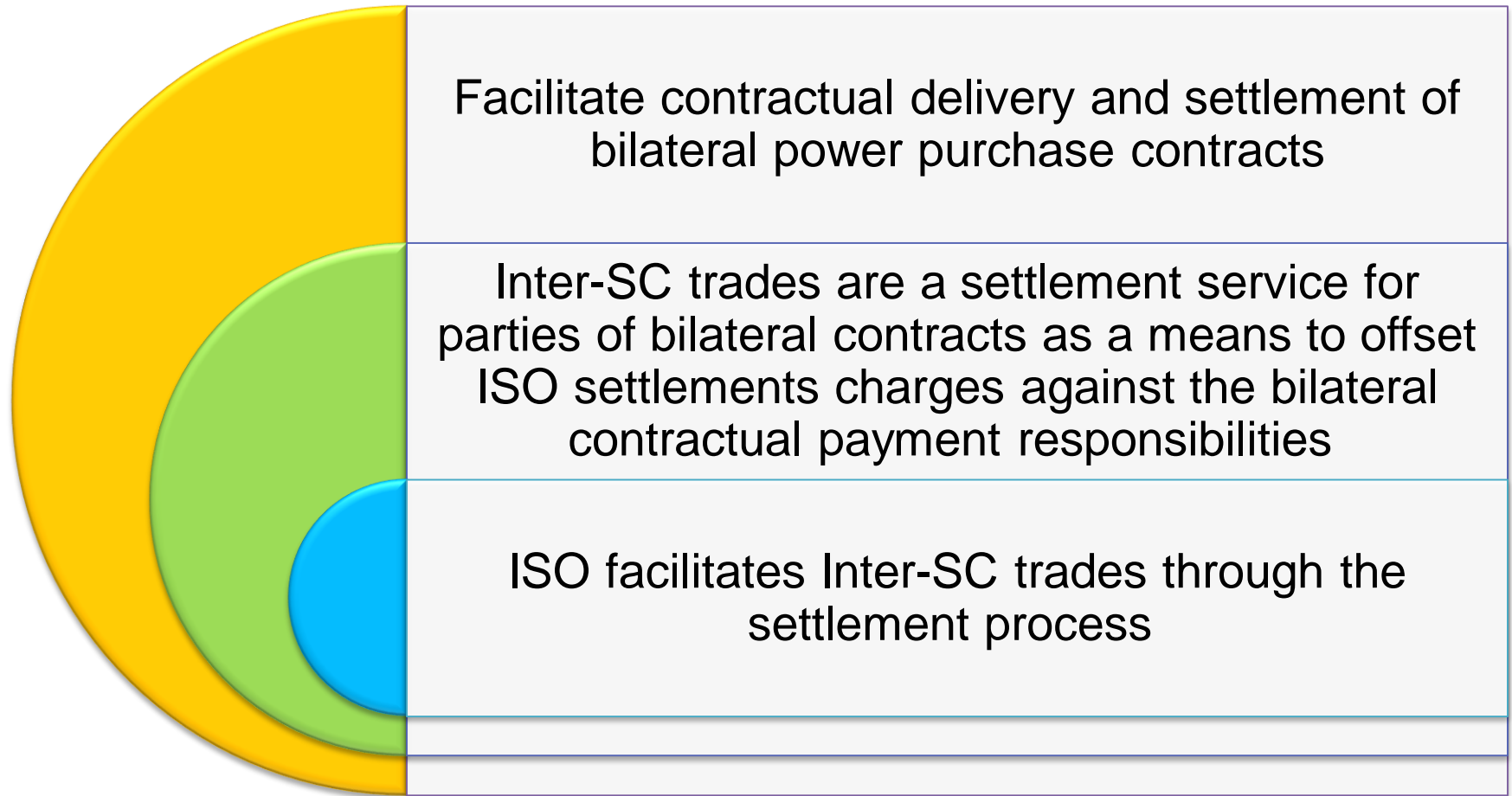
Today's Agenda

Time	Topic	Presenter
9:00 – 9:15	Welcome and today's agenda	Christina Guimera
9:15 – 10:15	Inter-SC Trades of Energy – Draft Final Proposal	Milos Bosanac
10:15 – 10:45	Inter-SC Trades of Energy – Stakeholder Comments	Milos Bosanac
10:45 – 11:00	Next steps	Christina Guimera

Inter-SC Trades – Proposal Overview

- Inter-SC trades are an optional market feature facilitating settlement of aspects of bilateral contracts between scheduling coordinators.
- Inter-SC trades have no effect on market optimization, schedules or dispatch.
- Stakeholder comments to the straw proposal supported the proposed direction.
- **Proposal**: extend inter-SC trade functionality to WEIM and EDAM areas to support inter-SC trades of energy.

Background – Role of Inter-SC Trades



Draft Final Proposal: Extend Inter-SC Trades of Energy to WEIM and EDAM areas

- WEIM and EDAM entities, scheduling coordinators representing participants in their areas, may find value in this optional settlement functionality.
- In EDAM, loads and resources will be submitting bids in the market and parties may find value in inter-SC trades of energy at physical generators or aggregation points.
- In WEIM, while there are participating and non-participating resources, parties may find value in inter-SC trades of energy associated with participating resources.

Inter-SC Trades of Energy at physical locations and aggregation points

- **Physical Trades**

- Inter-SC trade at a specific physical generator location – at the Pricing Node (PNode).
- In WEIM, eligible only at participating resource locations

- **Trades at Aggregate Pricing Nodes (APN)**

- Inter-SC trades not backed by specific physical resource, but occur at modeled trading hub or load aggregation points.

Inter-SC Trades submitted via the Scheduling Infrastructure Business Rules (SIBR) Tool

The screenshot shows the California ISO SIBR tool interface. The 'Trade hourly' table is visible with the following data:

Hour	Status	Product type	Selling SC	Buying SC	Trading Location	Adjusted Qty.	Counter Qty.	Trade Name	Trade type	Depend on trade	Submitting SC	Submitted	Market stat
03h	✓	APN Energy	WDBS	NCPA	TH_NP15_GEN-APND	1.			Inter-SC Trades		NCPA	06/12/2018 12:54	Open
03h	✓	APN Energy	SNCL	NCPA	TH_NP15_GEN-APND	1.			Inter-SC Trades				
06h	✓	APN Energy	SNCL	NCPA	TH_NP15_GEN-APND	1.			Inter-SC Trades				
06h	✓	APN Energy	WDBS	NCPA	TH_NP15_GEN-APND	2.			Inter-SC Trades				

The 'Missing trades' section is currently empty.

SeleCSS
 Select Market.
 (Day Ahead or Real Time)
 Click on Create trade icon.

This close-up shows the 'Market' dropdown menu set to 'Day Ahead' and the 'Create trade' icon (a star) highlighted in the 'Trade hourly' toolbar.

Select the Date.
 Select Coordinator.
 Select the Product type.
 Trade type (is always Inter-SC Trades in DAM).
 Select a Location where the trade will take place.

The 'Create trade' dialog box is shown with the following fields:

- Date: 01/08/2018
- Coordinator: ANHM
- Product type: APN Energy
- Trade type: Inter-SC Trades
- Location: DLAP_PGAE-APND
- From: DPGE
- To: DPGE
- Trade name: (empty)
- Hours: All item(s)
- Trade qty: (empty)

Section 4 of SIBR User Guide: [Link](#)

Validation of Physical Inter-SC Trades of Energy

- *General validations* (Tariff 28.1.5) [*Physical and APN trades*]
 - Checks that both scheduling coordinators parties to the inter-SC trade submitted same consistent information on the trade.
- *Submittal screening* (Tariff 28.1.6.1) [*Physical trades only*]
 - Checks the submitted physical trade does not exceed the PMax of the identified generating unit.
- *Pre-market validation* (Tariff 28.1.6.2) [*Physical trades only*]
 - Compares the total MWh quantity of all submitted trades at the PNode of the generating unit to the resource energy bid MWh.
- *Post-market validation* (Tariff 28.1.6.3) [*Physical trades only*]
 - Checks that the generating unit's schedule can support the physical trades.

STAKEHOLDER COMMENTS

Stakeholder comments supported the proposal

- Six sets of stakeholder comments received, all supporting the extension of the inter-SC trade for energy functionality to WEIM and EDAM areas.

Stakeholder Comments & Responses

- *Direct Energy* requested confirmation that inter-SC trade functionality for inter-SC trades for NGRs will become available.
 - *Response*: yes, independent of this initiative the ISO is working on systems enhancement expected in summer 2025 to support inter-SC trades for NGRs.
- *WPTF* suggests thorough testing of the inter-SC trade functionality.
 - *Response*: inter-SC trade functionality will be part of EDAM market simulation period (September – December 2025) allowing stakeholders and ISO opportunity test enhancements.

Stakeholder comments supported the proposal

Stakeholder Comments & Responses

- *WPTF* in comments encouraged the ISO to ensure APNs are created transparently and consistently.
 - *Response*: APNs established transparently in conjunction with impacted entities where necessary. The definition and composition of these APNs can be found on the ISO OASIS.
- *WPTF* comments that prospective EDAM entities may represent load serving entities as EDAM entity SC (for all load in BAA) and may not have individual load serving entities represent their own load as the SC, which may limit ability to effectuate inter-SC trades.
 - *Response*: Prospective EDAM entities will work through their stakeholder processes to establish the scheduling coordinator relationships structure with their customers. ISO can support different SC structures and inter-SC trades for these.

NEXT STEPS & REFERENCE DOCUMENTS

Next Steps

- Stakeholder comments on draft final proposal due **September 16, 2024.**
- Presentation to ISO Board of Governors & Western Energy Markets Governing Body during the September 26, 2024 meeting.
- If approved, functionality will be implemented commensurate with EDAM implementation activities and available in May 2026.

Reference Documents

- Initiative webpage: [Link](#)
- Tariff section 28 (Inter-SC Trades): [Link](#)
- BPM for Market Instruments (sections 3.5 and 9): [Link](#)
- Inter-SC Trade Settlements Configuration Guide (Day Ahead): [Link](#)
- Inter-SC Trade Settlements Configuration Guide (FMM): [Link](#)
- SIBR User Guide (section 4): [Link](#)

ENERGY matters

The California ISO's blog highlights its most recent news releases, and includes information about ISO issues, reports, and initiatives.



Energy Matters blog provides timely insights into ISO grid and market operations as well as other industry-related news.

<https://www.caiso.com/about/news/energy-matters-blog>



Story | Transmission

DOE grant gives boost to grid-enhancing technologies on the transmission network

By Jeff Billinton

08/08/2024



Story | Transmission

The ISO posts an updated 20-Year Transmission Outlook

By Neil Millar

07/31/2024



ENERGY MATTERS CONVERSATIONS

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A new Energy Matters Conversations podcast spotlights changes to the ISO's interconnections process

07/29/2024

Subscribe to [Energy Matters blog monthly summary](#)

ISO Public

Policy Initiatives Timeline

The California ISO has launched the Policy Initiatives Timeline to offer stakeholders a concise overview of ongoing policy initiatives. At a glance, it offers a snapshot view of key details such as the status of each initiative, projected timelines, and the current phase of the stakeholder engagement process. Updates to this timeline will be made weekly and posted on the [policy initiatives landing page](#). For more information, stakeholders are encouraged to reach out to ISOStakeholderAffairs@caiso.com.





REGISTRATION IS OPEN

2024 STAKEHOLDER SYMPOSIUM

Welcome reception - Oct. 29
at Kimpton Sawyer Hotel, Sacramento, CA

Symposium program - Oct. 30
SAFE Credit Union Convention Center
Sacramento, CA

Visit the event website: www.reg.eventmobi.com/2024stakeholdersymposium

SPONSORSHIP OPPORTUNITIES AVAILABLE



Save the Date - Resource Interconnection Standards Fair on 9/17/24

The objective of this educational forum is to provide stakeholders with an opportunity to learn more about the ISO's [interconnection process](#) and recent changes affecting Cluster 15. If you plan to attend the meeting in person, please [register](#) by end of day **Sept. 13, 2024**.

The forum will include a series of presentations and discussions that outline the interconnection requirements for a new resource to connect to the ISO grid. Presentations will cover topics such as submitting an interconnection request application and declaration of commercial operation.

The following stakeholders are encouraged to participate:

- Submitted an interconnection request application for Cluster 15
- New and existing interconnection customers
- Regulatory agencies
- Consultants
- Trade associations
- Participating Transmission Owners

Stakeholders are invited to submit questions in advance to be addressed during the meeting. Please send questions to isostakeholderaffairs@caiso.com.

The final agenda and presentations will be posted prior on the [meetings webpage](#).

AIM Certificate Process Replacing Verizon Client User Certs to Entrust Certs

UAAs Action Required

The ISO would like all UAAs to actively begin replacing your users and business certificates that are still Verizon certificates to Entrust Certificates. Emails to UAAs began in March for this effort.



Due Date

Completed before the end of October, 2024.



Instructions

Please see the "Replacing a Verizon Certificate with an Entrust Certificate" section of the [AIM Certificate Process Job Aid](#) section for step-by-step instructions.



Questions

Email uaarequests@caiso.com or create a CIDI ticket with the subject line "Verizon to Entrust Cutover."