



California ISO

DAME, EDAM, EDAM CAISO BAA PR Market Sim & Parallel Ops Meeting

April 09, 2025

ISO PUBLIC

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Agenda

Monday

- Customer Experience Updates
- Market Validation and Analysis Overview
- Q&A

Thursday

- Parallel Operations Updates
- Market Validation and Analysis Overview
- Q&A

DAME, EDAM, EDAM ISO BAA Meetings

Monday 9-10AM PT, and Thursday 1-2PM PT

	Monday	Tuesday	Wednesday	Thursday	Friday
April			1	2	3
	6	7	8	9	10
	13	14	15	16	17
	20	21	22	23	24
	27	28	29	30	
May					1
	4	5	6	7	8
	11	12	13	14	15
	18	19	20	21	22
	25	26	27	28	29

Market Sim & Parallel Ops Meeting

ISO Closure

Cancelled

[Calendar | California ISO](#)

DAME / EDAM / WEIM – Timeline

Initiative	Connectivity Testing	Integration Testing	Structured Market Sim	Unstructured Market Sim	Parallel Operations	Activation
<u>Day-Ahead Market Enhancements</u>	06/02/25 – 09/01/25	06/02/25 – 09/01/25	09/02/25 – 12/01/25	12/01/25 – 01/30/26	02/02/26 – 04/30/26	05/01/26
<u>Extended Day-Ahead Market</u>	06/02/25 – 09/01/25	06/02/25 – 09/01/25	09/02/25 – 12/01/25	12/01/25 – 01/30/26	02/02/26 – 04/30/26	05/01/26
<u>EDAM ISO BAA Participation Rules Track A</u>	06/02/25 – 09/01/25	06/02/25 – 09/01/25	09/02/25 – 12/01/25	12/01/25 – 01/30/26	02/02/26 – 04/30/26	05/01/26
<u>Extended Day-Ahead Market On-Boarding - Pacificorp</u>	05/01/25 – 05/31/25	06/02/25 – 09/01/25	09/02/25 – 12/01/25	12/01/25 – 01/30/26	02/02/26 – 04/30/26	05/01/26
<u>Extended Day-Ahead Market - PGE</u>	11/01/25 – 11/30/25	12/01/25 – 03/01/26	03/01/26 – 05/30/26	03/01/26 – 05/30/26	06/01/26 – 09/15/26	10/01/26
<u>WEIM – Power Watch</u>	09/01/25 – 10/17/25	10/01/26 – 11/30/26	12/01/25 – 01/30/26	NA	02/16/26 – 04/30/26	05/06/26
<u>WEIM – Black Hills</u>	09/01/25 – 10/17/25	10/01/26 – 11/30/26	12/01/25 – 01/30/26	NA	02/16/26 – 04/30/26	05/06/26

Note: dates reflected here refer to the start and end dates around testing, specific Trade Dates relevant for testing and validations can be found in the [Settlements Calendar](#) posted to Release page on CAISO.com.

ISO General Perspective on Parallel Operations

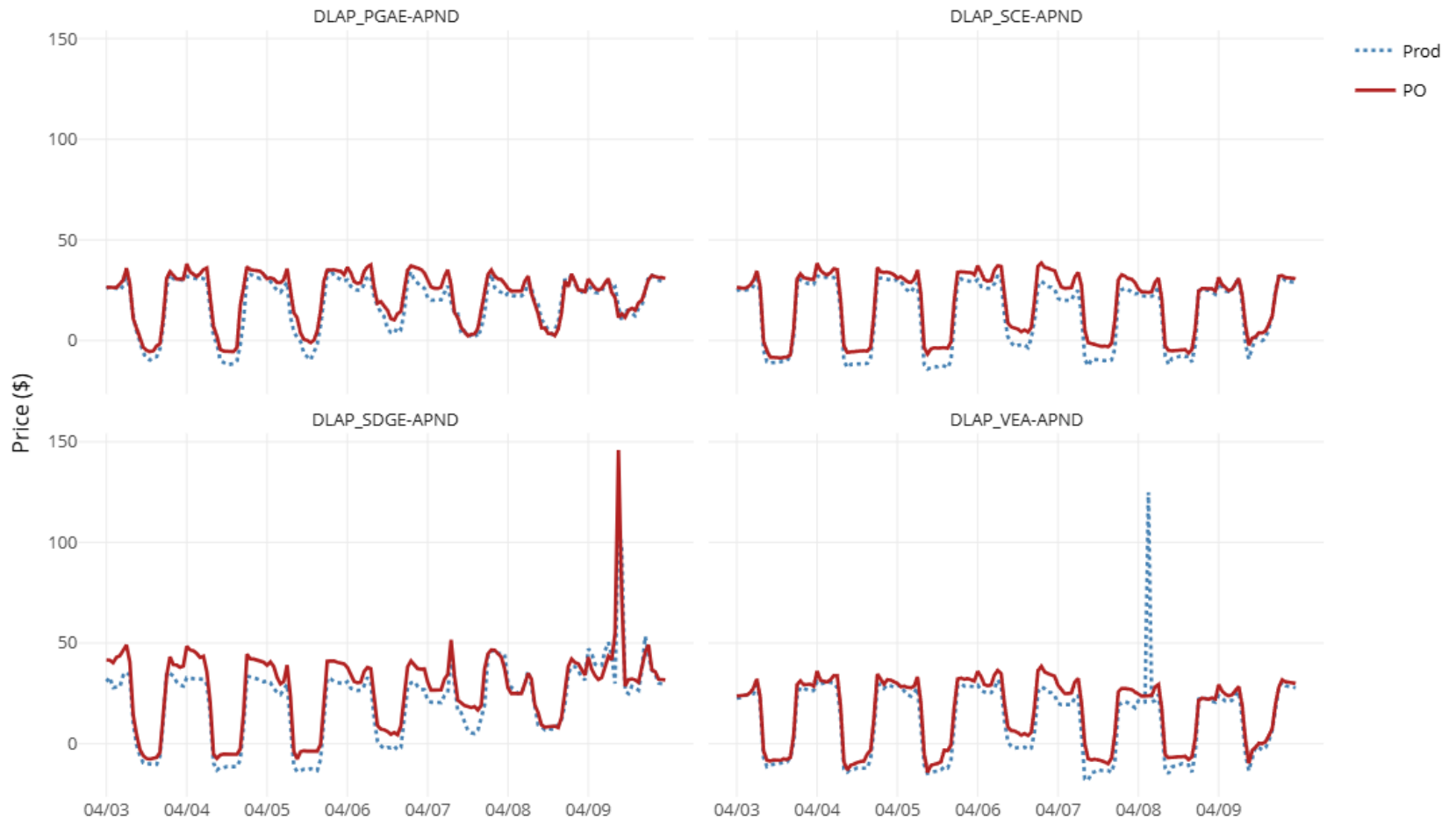
- CAISO VP, Khaled Abdul-Rahman
 - Real-Time Congestion and Price Volatility
 - Reliability Capacity Pricing Issue
 - Greenhouse Gas (GHG) Price Formation and Boundary Alignment
 - Settlement Statement Quality and Mitigation
 - Price Thresholds and Monitoring Processes

Note: Refer to 4/9/26 recording for thorough overview.

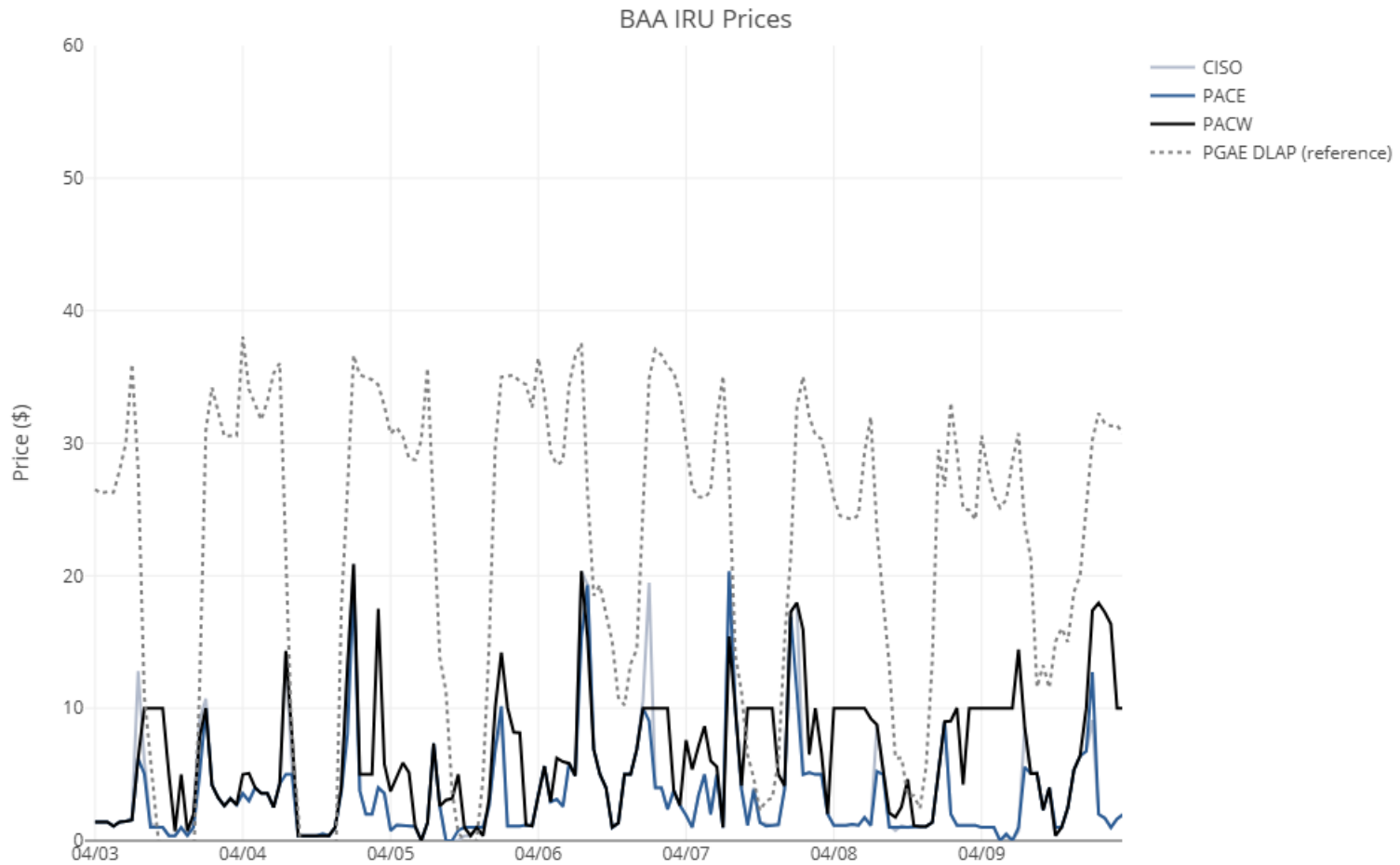
Extreme RUC price on 4/6

- On 4/6, a market issue caused an extreme congestion price in RUC that drove \$1 million + pricing for SCE in RUC
- The cause of the issue has been identified, and a fix has already been put in place
- This type of issue would normally be caught and fixed before publishing the results. It was missed due the market run occurring on the weekend in the PO environment

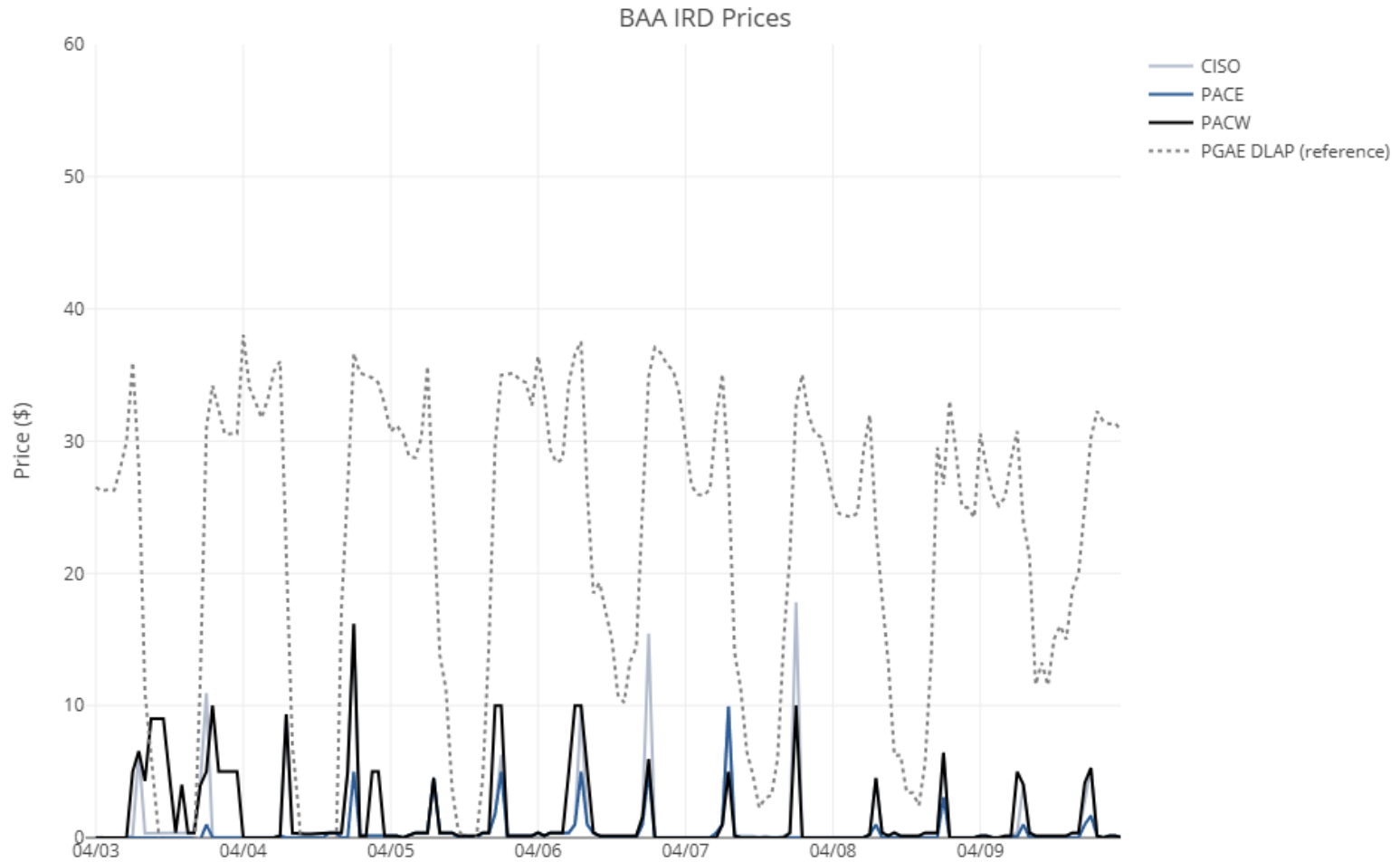
IFM DLAP price comparison, PO vs. production



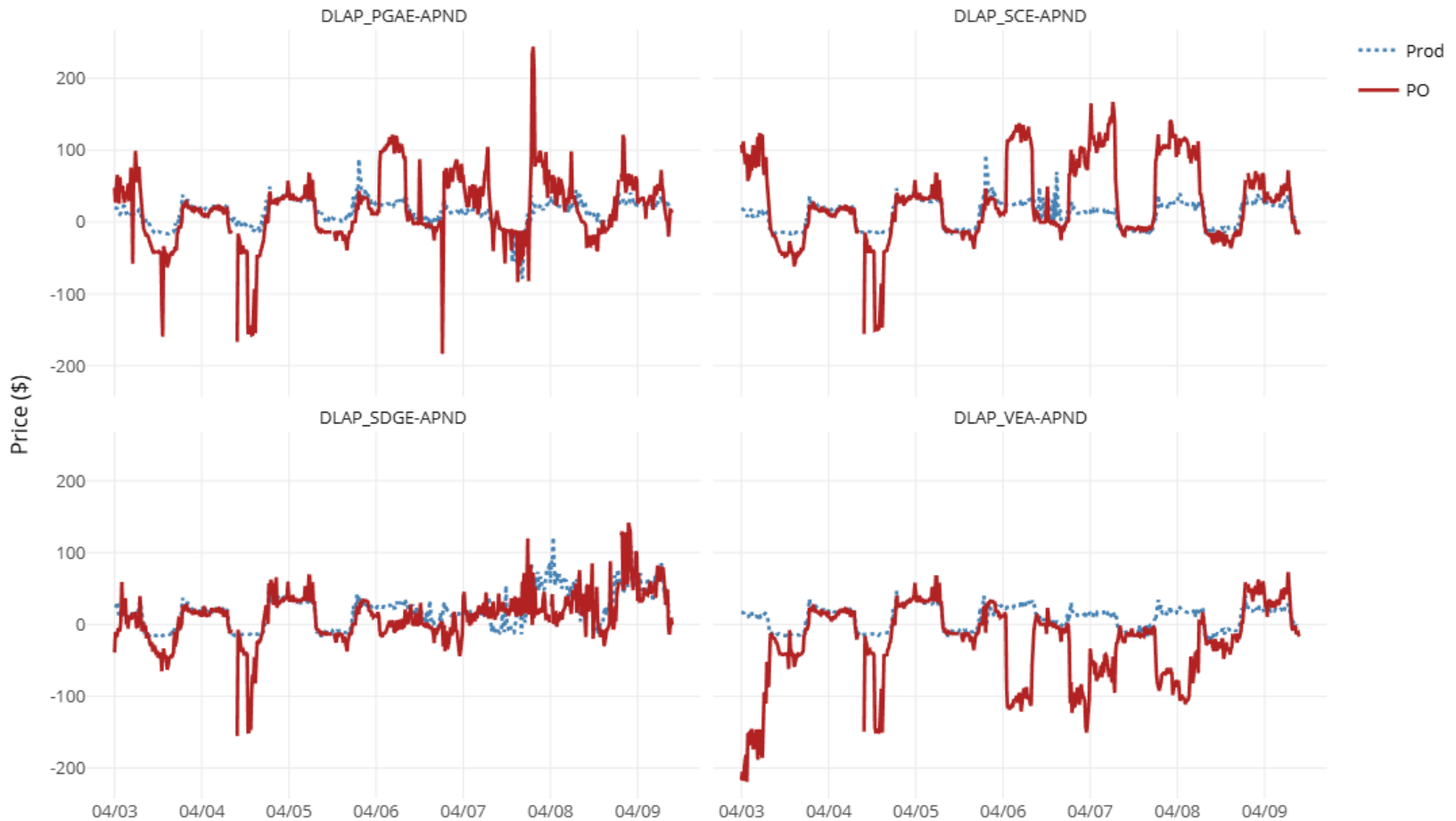
BAA level IRU prices



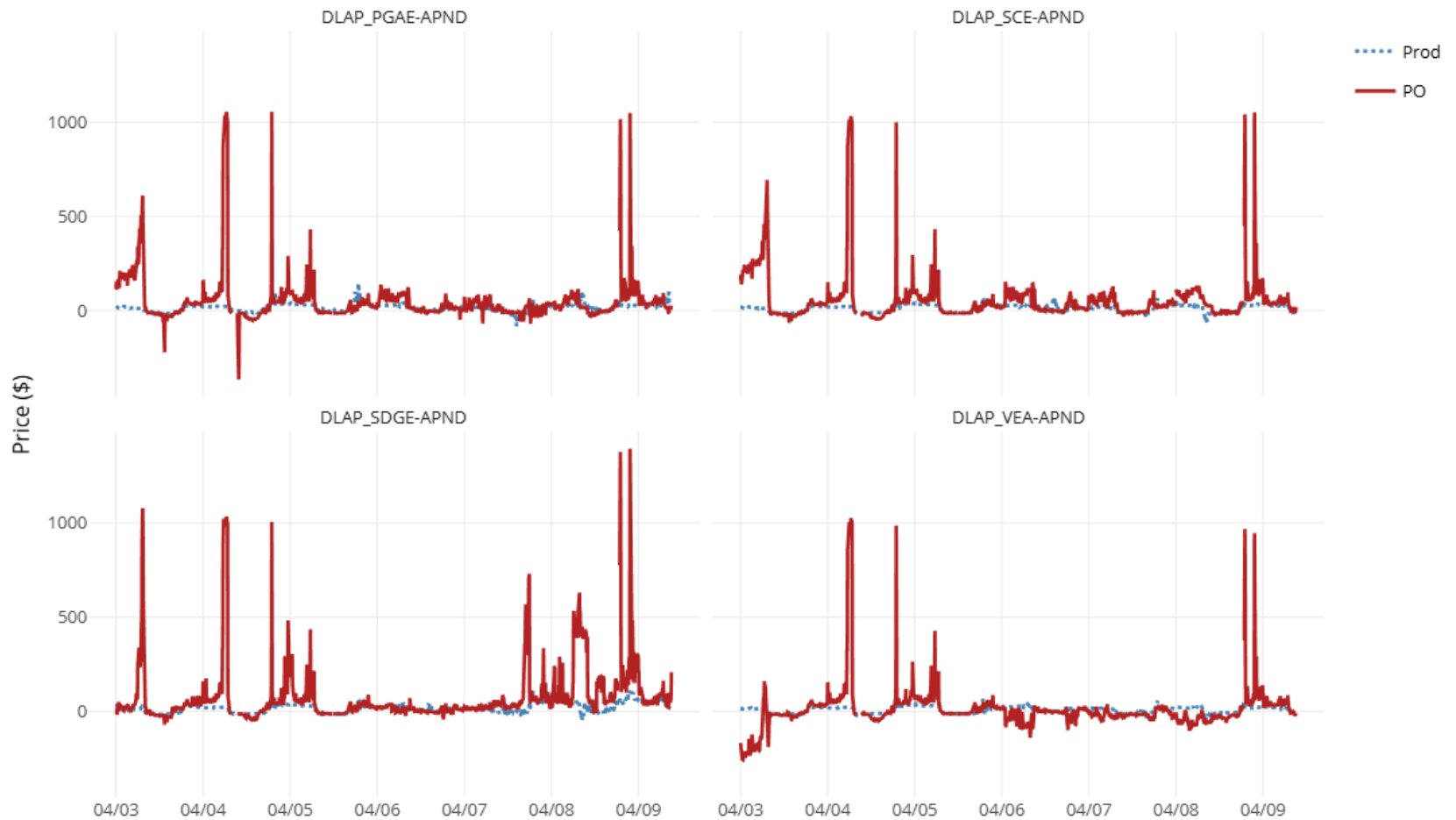
BAA level IRD prices



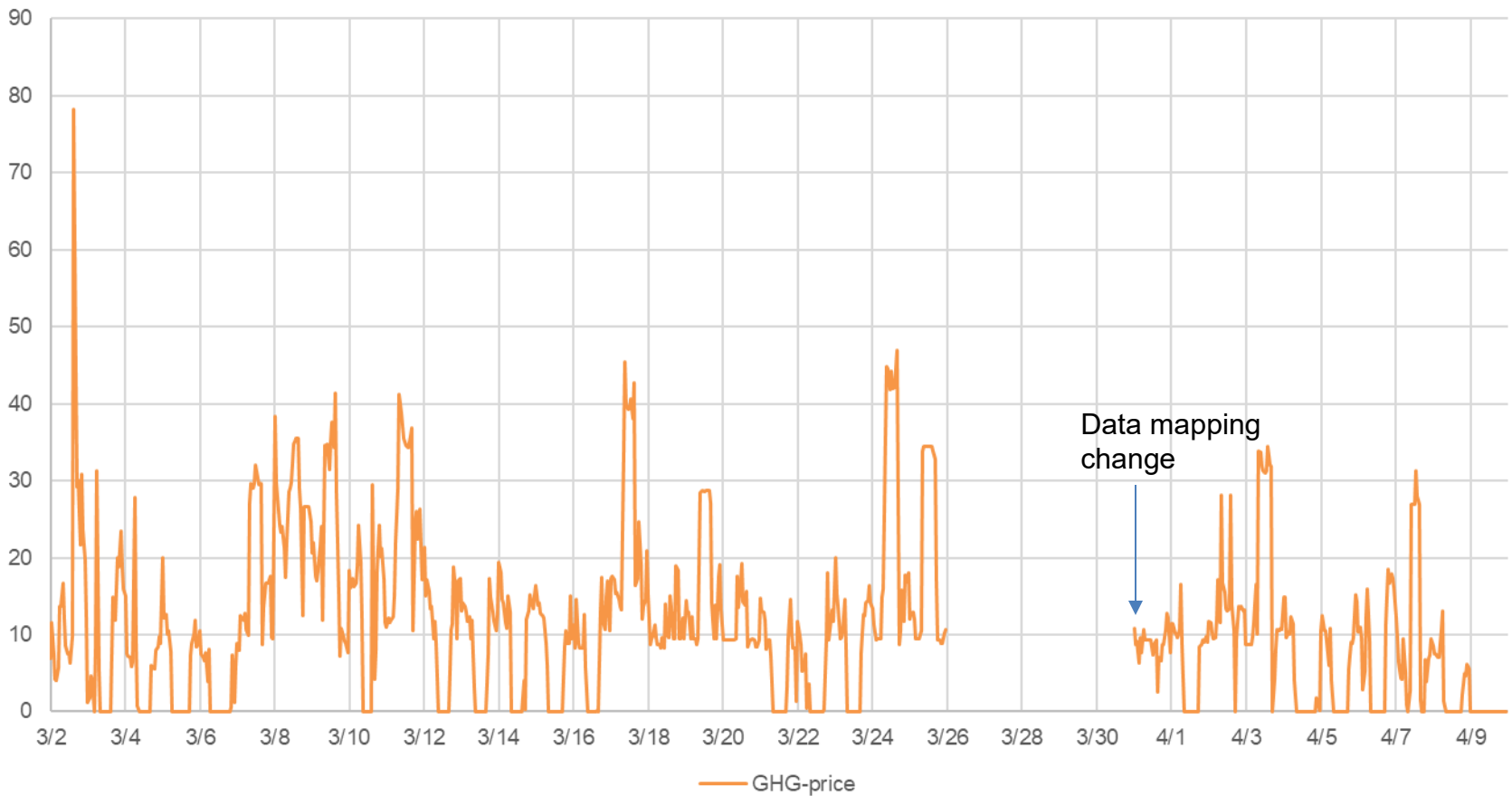
RTPD DLAP price comparison, PO vs. production



RTD DLAP price comparison, PO vs. production

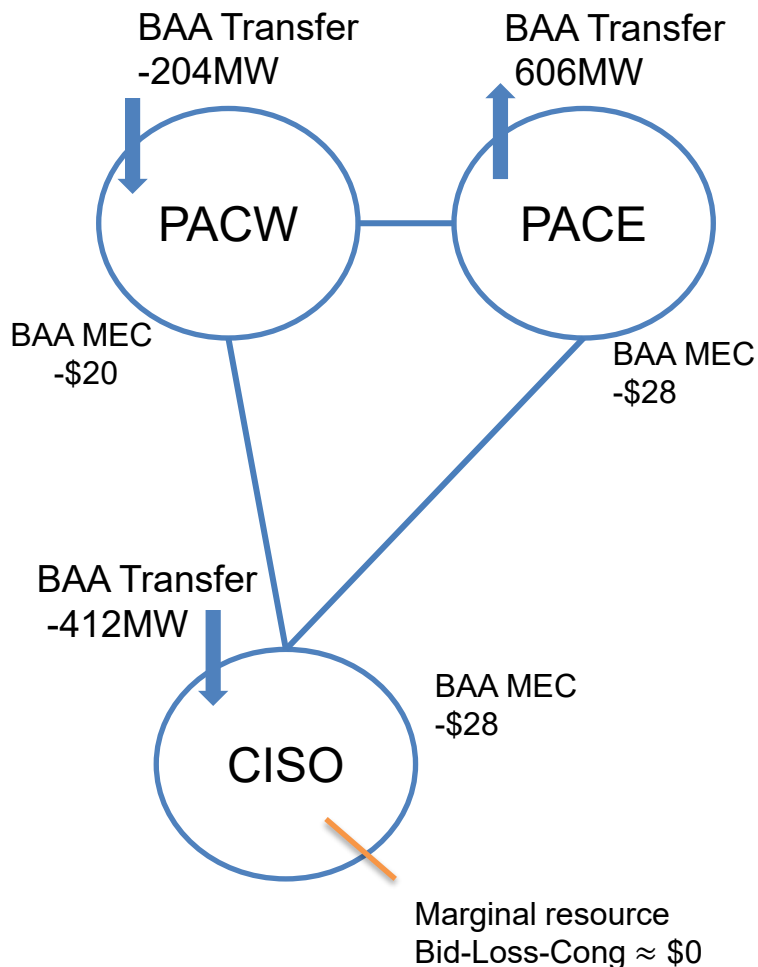


PO IFM GHG prices



New GHG example 1.

GHG price set by the marginal bid



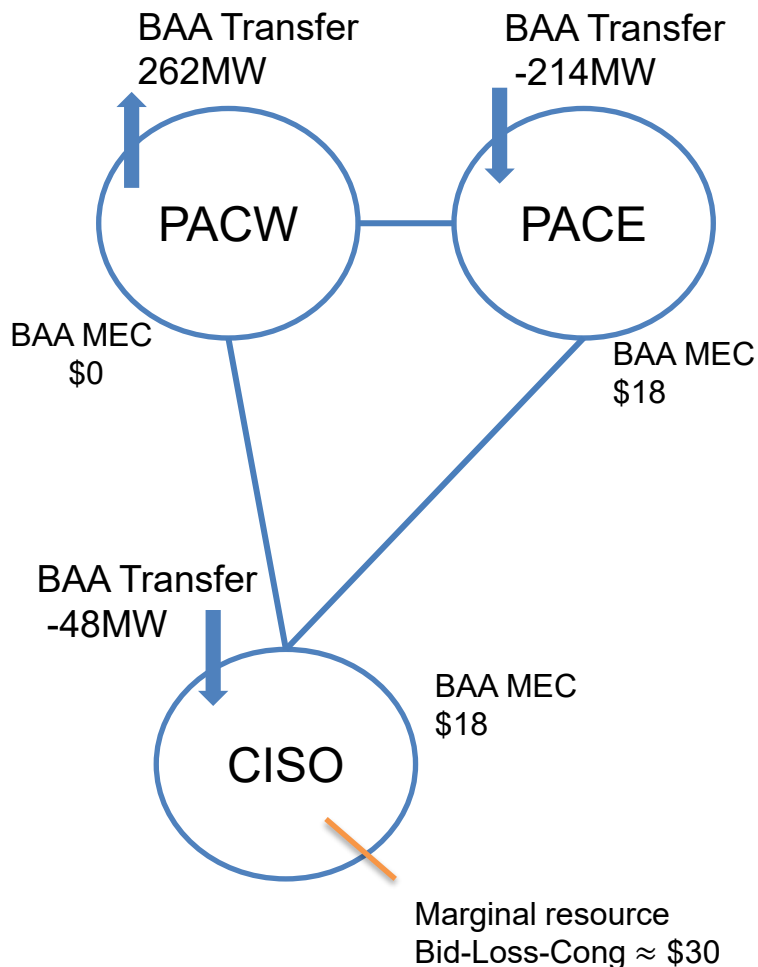
April 7th, HE15

- GHG allocation
 - 412MW to PACE resources
 - Marginal GHG bid @\$28
- Within CISO
 - BAA MEC: -\$28
 - Same as PACE with transfer open
 - Cost inside CISO BAA/GHG area ≈ \$0
 - GHG price set by the bid

$$0 - (-28) = 28$$

New GHG example 2.

GHG price not set by the bid



April 7th, HE6

- GHG allocation hit resource limit 48MW
- CISO BAA transfer the same as GHG transfer
- Within CISO
 - BAA MEC: \$18
 - Same as PACE with transfer open
 - Cost inside CISO BAA/GHG area \approx \$30
 - GHG price
 - $30 - 18 = 12$

CISO Net Export Constraint and RUC adjustments

- For more information on CISO Net Export Constraint see PRR 1664
 - Confidence factor to be set at 0%
 - Reliability margin to be tuned based on conditions (stressed or non-stressed hours)
- For more information on EDAM BAA RUC adjustments see PRR 1665

Inquiry Stats

General:

- 584 cases created since the start of Parallel Operations
 - 417 closed/resolved
- SC Participation continues to be strong
- Black Hills and Power Watch onboarding going well
- PacifiCorp onboarding going well – Phase 3 (Real-Time)
 - It is integral for participants to remain fully engaged in real-time operations **by submitting real-time economic bids.**
- **Trending Cases:**
- GHG Inquiries
 - Prices & Results: Market team continues to investigate and will update tickets accordingly. As well as provide updates on these calls holistically
- Imbalance Reserve and Reliability Capacity
 - Prices & Results: Market team continues to investigate and will update tickets accordingly

Updated GHG Market Solution

Why is GHG Market Solution being updated?

- the current GHG model distinguishes between ISO balancing area and California GHG regulation area.
- Due to this setup data quality issues caused high prices during Parallel Operations. These were largely corrected but some high prices persist due to area definitions. To ensure a smooth activation, CAISO is aligning GHG regulation area with the balancing area.

Updated GHG Market Solution as of 4/1/26

- CAISO Greenhouse Gas (GHG) market solution updated to align the GHG regulation area with the balancing area to simplify market interactions and avoid unintended consequences at go-live.

When will GHG boundary definitions be updated to reflect GHG market solution by individual BAAs (or other granular approach)?

- CAISO will have market participant planning (MPM) forum to ensure stakeholder input and visibility.

MSS-016

Scenario Number	Structured scenario	
16	Name	DA RA Obligation Reassignment
	Market	DAM
	Description	Demonstrate Reassignment of RA Obligation
	Market Operator Actions	N/A
	EDAM Market Participant Actions	<ul style="list-style-type: none"> • RA suppliers define SR (for Generic RA) and TGs (for Flex and Generic RA) in MF to support month-ahead RA showings for RA imports • RA supplier SC submits RA obligation reassignments in CIRA by 8 am for DA to ensure obligation transfer functions and RAAIM settlements are correctly assessed <ul style="list-style-type: none"> ○ For RA sourced from EDAM BAA: submit RA obligation reassignment to physical resources by 8 am ○ DA reassignment carries over to RT • SC submits (in SIBR) DA bids on resources/SRs with DA RA obligation • SC submits (in SIBR) RT bids on resources with RT RA obligation
	Expected Outcome	SIBR UI/API: Validate submissions CIRA UI: <ul style="list-style-type: none"> • New DAME/EDAM Tab (being added) CMRI: <ul style="list-style-type: none"> • N/A for directly assessing RA reassignment OASIS: <ul style="list-style-type: none"> • N/A N/A for directly assessing RA reassignment
	Anticipated Settlement Outcome	Settlements to assess RAAIM based on RA obligation reassignment and bid submission status

Testing Request to Community

What

- The Siemens Architecture Framework (SAF) has been upgraded in the Market-Sim (MAPSTAGE) environment

Ask

- The ISO request externals, particularly those using **lower-version B2B services** (e.g., submitRawBidSet_v3, v4), to begin submitting, retrieving, and validating services
- Please report any issues or anomalies observed during this validation via CIDI

Why

- Early validation with older B2B service versions helps rule out SAF-related issues
- This ensures readiness ahead of the planned SAF cutover, which is targeted **prior to EDAM go-live**
 - **Expected date to be communicated**
- Proactive testing supports a smoother transition and minimizes risk during EDAM-related activities

Parallel Operations Phases

- **Phase 1:** DA with transfer off, timeline of 2 weeks or till goals are met, with the following goals
 - Focus on the completeness of data by all participants
 - Review Market quality output as compared to production energy profile plan
 - Market review quality and review of results
 - EDAM entity to adjust Type 2 and Type 4 submissions to limit transfers
 - Though the RTM is not the focus, it will run continuously to support settlements. The RTM should generally solve 95% of the intervals (~15 failed RTM intervals).
 - Market post processing (MQS, filling, price cleanup, etc.) runs on Settlement TDs.
- **Phase 2:** DA with transfer on, timeline of 2 weeks or till goals are met, with the following goals:
 - Focus on Market review quality and review of results of DA output.
- **Phase 3 (TD 3/18):** DA transfer with RT, timeline remaining time of PO, with the following goals:
 - Focus on Market review quality and review with focus on DA/RT convergence.
 - Define “cutover dry run” concepts to test as we enter Phase 3

Parallel Operations – Phase 3

- Parallel Operations has officially entered **Phase 3**. We want to thank you again for your engagement and collaboration to date—your continued participation has been instrumental to reaching this milestone!
- With the transition to Phase 3, EDAM results will now flow into the **real-time** markets. As such, it is integral for participants to remain fully engaged in real-time operations by **submitting real-time economic bids**. Doing so **ensures sufficient system flexibility** and supports the fulfillment of associated DAME product obligations, and **ensures the real-time market results** being **produced reflect economic pricing** and are both production-like and operationally feasible.
- **Your active participation during this phase is critical** to validating market performance, identifying potential issues, and maintaining operational reliability as we progress. We greatly appreciate the time, expertise, and commitment you continue to dedicate to Parallel Operations.
- We look forward to your ongoing collaboration as we move through Phase 3 and continue toward a successful transition.

Access Charge Guidance

Parallel Operations:

- EDAM TSPs and CISO PTOs may submit an optional authorized affidavit with Attachment F for Parallel Operations participation by January 23, 2026.
- If not able to submit by January 23rd, submission from MAPSTAGE shall be utilized.
- EDAM Access Charge Rates and recoverable revenue information will be processed and posted by February 1st 2026 and be included in subsequent Parallel Operations Settlements Statements.

Production:

- Unless submitted for Parallel Operations, EDAM TSPs and CISO PTOs must submit the authorized affidavit with Attachment F for Production by April 13th, 2026.
- EDAM Access Charge Rates and Recoverable revenue information will be processed and posted by April 27, 2026, and be included in statements published for TD 5/2 and onward.

EDAM Participant Training Courses

SIBR Training Courses

March 10: **SIBR Fundamentals**

- This training will explore the core interface, walk through submitting and validating Energy and AS bids, and review the resulting outputs.
- Target Audience: SIBR users
- Registration Link: <https://caiso.regfox.com/scheduling-infrastructure-and-business-rules-sibr-fundamentals>

March 19: **SIBR Advanced Bid Submission & Validation**

- This training provides walk through complex bid-submission scenarios—including TSR Types 1–4, transient TSRs, contract reference numbers, and transfer capacity limits—and show how to resolve common errors step-by-step
- Target Audience: SIBR users
- Registration Link: <https://caiso.regfox.com/training-scheduling-infrastructure-and-business-rules-sibr-advanced-bid-submission--validation->

SIBR Training Materials

Visit the [Western Energy Markets](#) page on the ISO Training Center:

- EDAM Scheduling Infrastructure Business Rules (SIBR) Training presentation & video
- [Transient Transfer System Resource Bid Submission in Scheduling Infrastructure Business Rules \(SIBR\)](#)

Training Courses: Process for Submitting Bids / Schedules in SIBR

To find basic information on bids and base schedules, view the following resources:

- Computer-based training courses:
 - [Economic Bids and Self Schedules](#)
 - [EDAM Bidding Basic Concepts](#)
- Instructor led training presentations and recordings:
 - [EDAM Scheduling Infrastructure Business Rules \(SIBR\) Training presentation](#)
 - [EDAM Scheduling Infrastructure Business Rules \(SIBR\) Training video](#)
 - [Transient Transfer System Resource Bid Submission in Scheduling Infrastructure Business Rules \(SIBR\) Presentation](#)
 - [EDAM Bidding Intermediate – presentation](#)
 - [EDAM Scheduling Coordinator Training Day 2, September 11th, 2025 – recording](#)
- CAISO public [SIBR Bidding](#) webpage
 - [SIBR User Guide](#)

Training Courses: Intertie Scheduling and Modeling

To find information on intertie scheduling and modeling, view the following resources:

- Instructor led training presentations and recordings:
 - [Presentation - EDAM Intertie Scheduling Readiness Training](#)
 - [Video - EDAM Intertie Scheduling Readiness Training](#)
 - [Presentation - Extended Day-Ahead Market \(EDAM\) Implementation - Intertie Scheduling Readiness Workshop - Jan 29, 2026](#)
 - [Video - Extended Day-Ahead Market EDAM Implementation - Intertie Scheduling Readiness and Q&A Session Workshop - Jan 30, 2026](#)
- Resources
 - [EDAM FAQ Guide](#), Intertie Scheduling and Modeling section

Helpful Links

- [DAME Scenarios](#)
- [EDAM Scenarios](#)
- [Settlements Phase 1 Charge Codes](#)
- [Settlements Phase 2 Charge Codes](#)
- [Settlements DAME/EDAM Draft Config Outfile File](#)
- [Settlements BPM Walkthrough](#)
- [Access Charge Submission Template](#)
- [Access Charge Submission Procedure](#)
- [SIBR Rules](#)
- [Settlements Calendar](#)
- [Parallel Operations Plan](#)