



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

March 12, 2025

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# Agenda

## Monday

- Customer Experience Updates
- SIBR Patches Updates
- EDAM Training Courses
- Q&A

## Thursday

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

# DAME, EDAM, EDAM ISO BAA Meetings

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

	Monday	Tuesday	Wednesday	Thursday	Friday
February	2	3	4	5	6
	9	10	11	12	13
	16	17	18	19	20
	23	24	25	26	27
March	2	3	4	5	6
	9	10	11	12	13
	16	17	18	19	20
	23	24	25	26	27
	30	31	28	29	30

**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
<a href="#"><u>Day-Ahead Market Enhancements</u></a>	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
<a href="#"><u>Extended Day-Ahead Market</u></a>	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
<a href="#"><u>EDAM ISO BAA Participation Rules Track A</u></a>	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
<a href="#"><u>Extended Day-Ahead Market On-Boarding - Pacificorp</u></a>	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
<a href="#"><u>Extended Day-Ahead Market - PGE</u></a>	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
<a href="#"><u>WEIM – Power Watch</u></a>	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
<a href="#"><u>WEIM – Black Hills</u></a>	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.

# Inquiry Stats

## General:

- 454 cases created since the start of Parallel Operations
- SC Participation continues to be strong – around 100 SCs
  - Bid seeding update
- PacifiCorp onboarding going well
  - Phase 3 (Real-Time) targeted for next week
- Black Hills and Power Watch onboarding going well
- SIBR Patch 27 - ETA is end of week 3/13, release notes to be published

## Trending Cases:

- OASIS and CMRI Reports data
  - Imbalance Reserve Forecast – software variance resolved 3/11
    - MWh forecasts correctly displaying for Solar and Wind
  - System Load & Resource Schedule – software variance resolved 3/11
    - CAISO\_Totals consist of NONTAC, TAC\_ECINTR, TAC\_NCINTR, TAC\_NORTH, TAC\_SOUTH, and TAC\_SUNZIA for all Markets
    - TAC\_PAC is displaying separately
- Imbalance Reserve and Reliability Capacity
  - Prices & Results: Market team continues to investigate and will update tickets accordingly

# Upcoming Environment/Application Outages

## **STAGE:**

- ALFS: on 3/12 between 1:30-2:30PM PST (30 min outage)
- STAGE outage currently planned for Tuesday 4/14 to Sunday 4/19

## **MAPSTAGE:**

- N/A

[Maintenance Outage Schedule](#)

# 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: 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

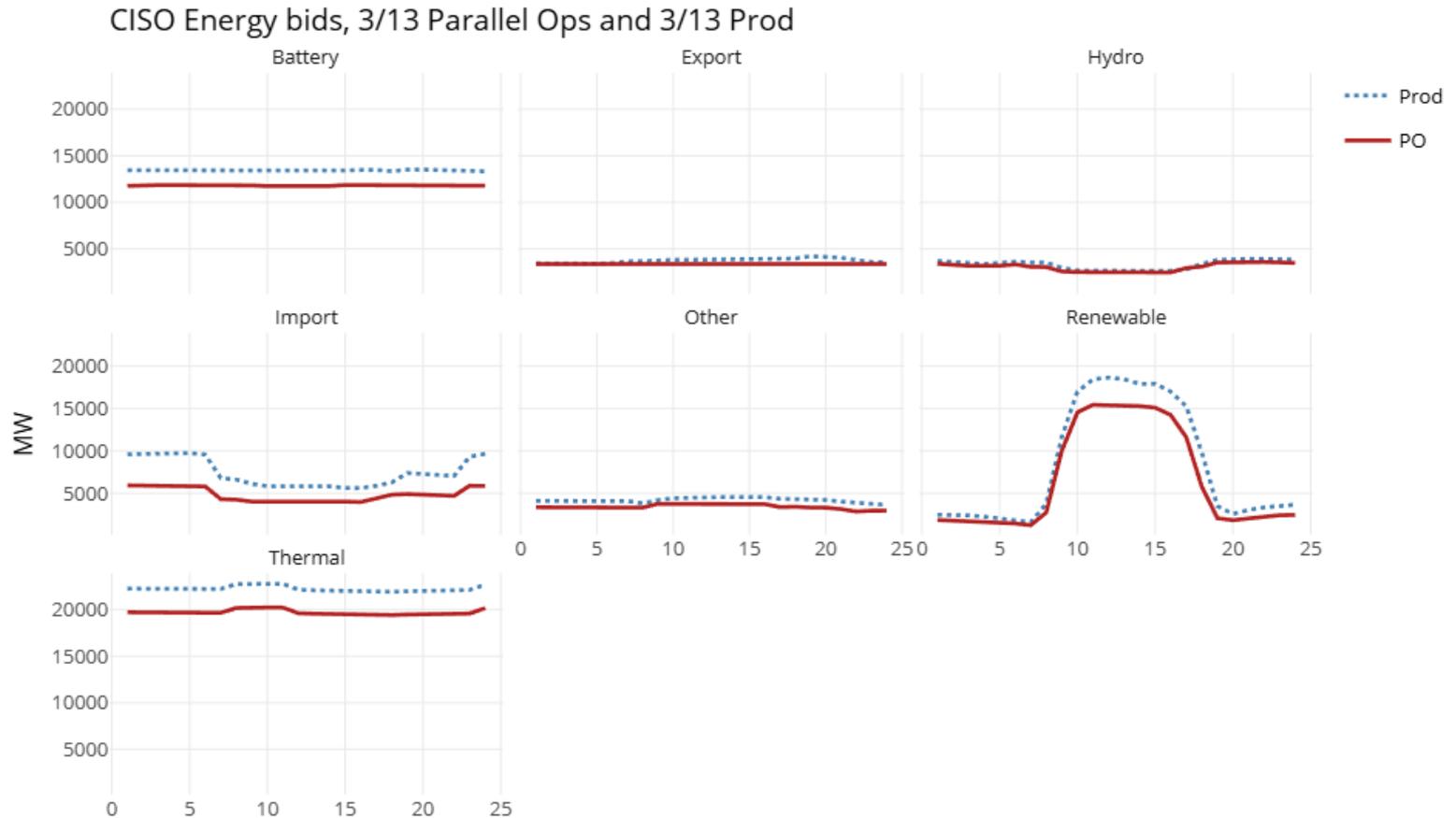
# Changes to configurable parameters went live on trade date 3/6

- The configurable parameters changes discussed on the 2/26 working group call were changed in Parallel Operations effective 3/6
  - Envelope Multiplier Constraint
    - Current value: 85%
    - New value: 60%
  - Deployed Imbalance Reserve Factor
    - Current value: 100%
    - New value: 60%

# Update on missing bids in parallel operations

- An issue invalidating bid submissions for certain scheduling coordinators that are not submitting bids in PO was identified on 3/5
- The current bid seeding procedure works as follows:
  - Bids are seeded for D+7 with the production bids for the current day (bids for 3/12 will seed 3/19)
  - Participants can go in and update these bids up to the D+1 submission deadline
- Improvements were made on 3/6 that take effect in PO on 3/13

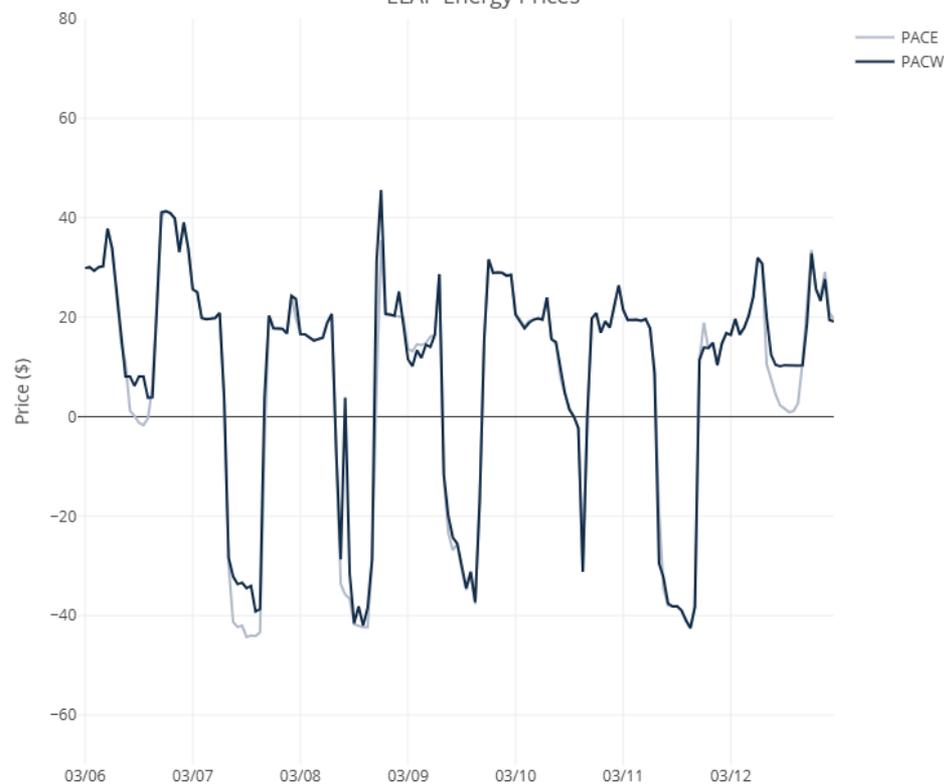
# Input bid MW amounts show significant improvement on 3/13



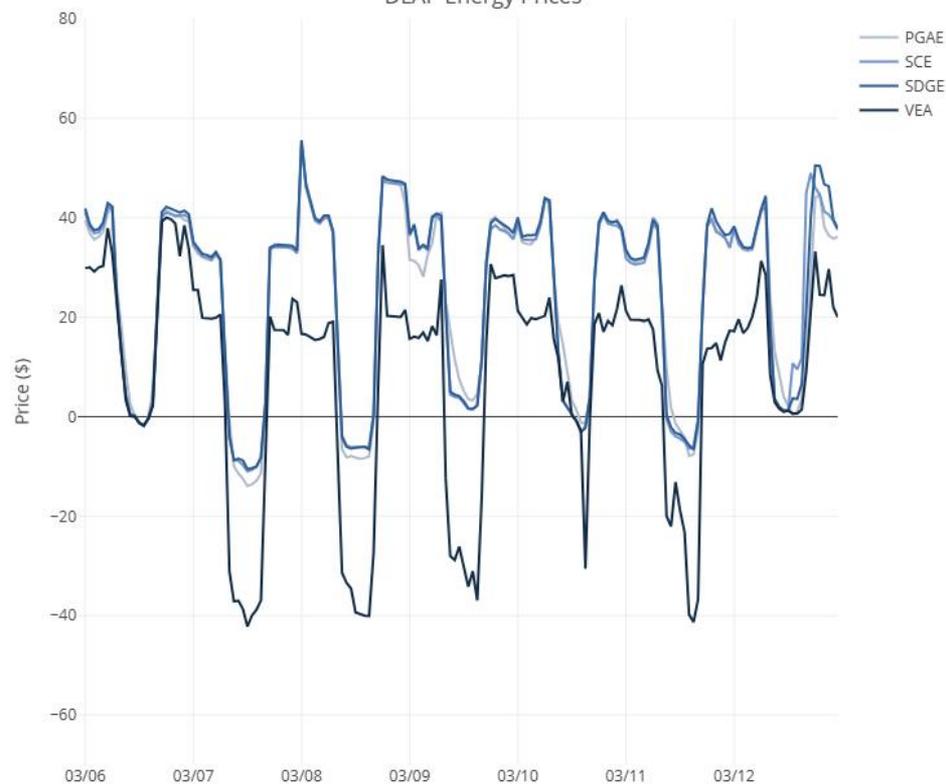
The difference in battery bids dropped from 5 GW to 1.5 GW, and the maximum difference for renewables dropped from 7 GW to 3.5 GW. There is still additional clean up going on for this issue.

# Energy pricing update

ELAP Energy Prices

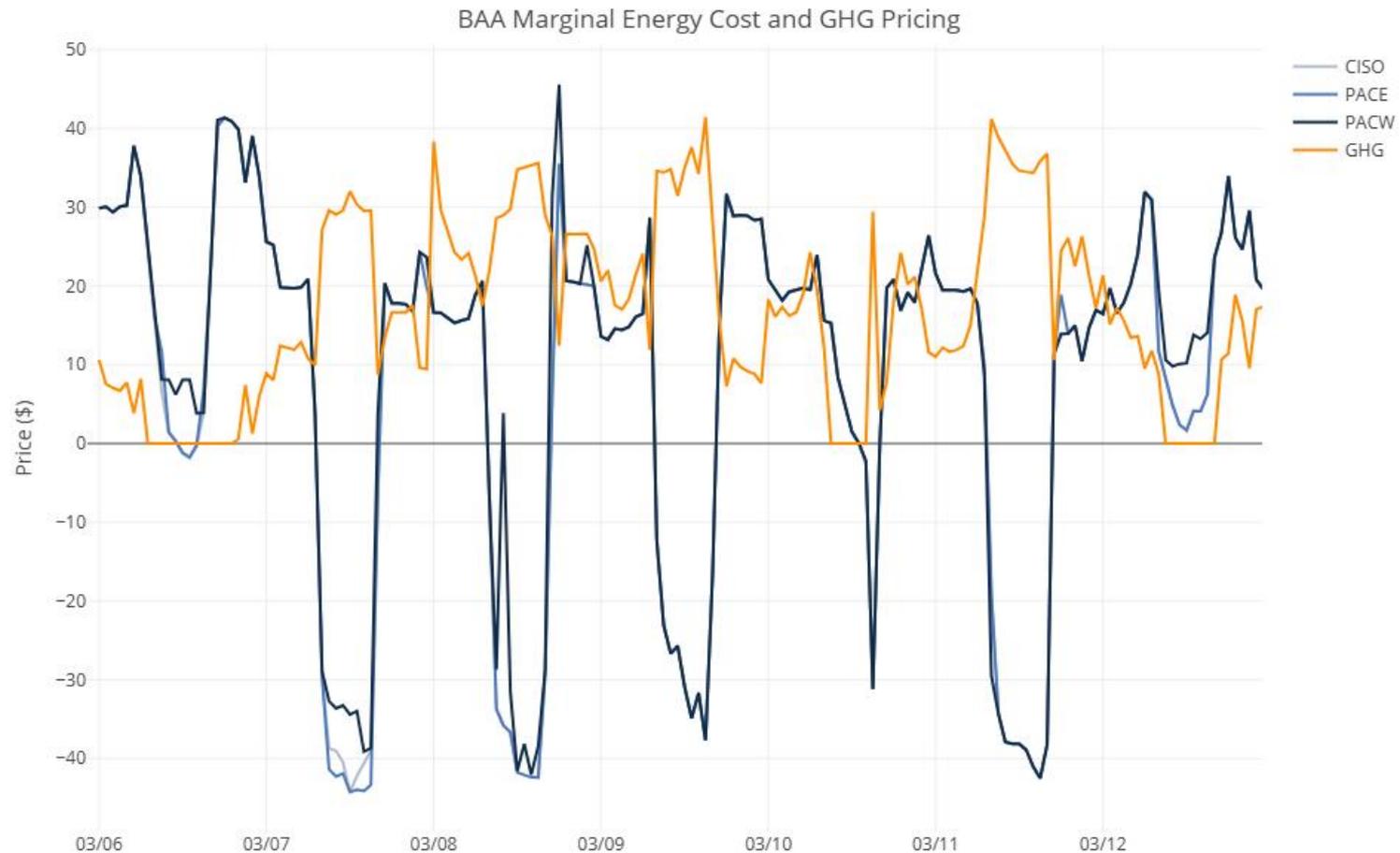


DLAP Energy Prices



The past week saw consistent prices across CISO and PAC, with most of the price separation driven by GHG prices

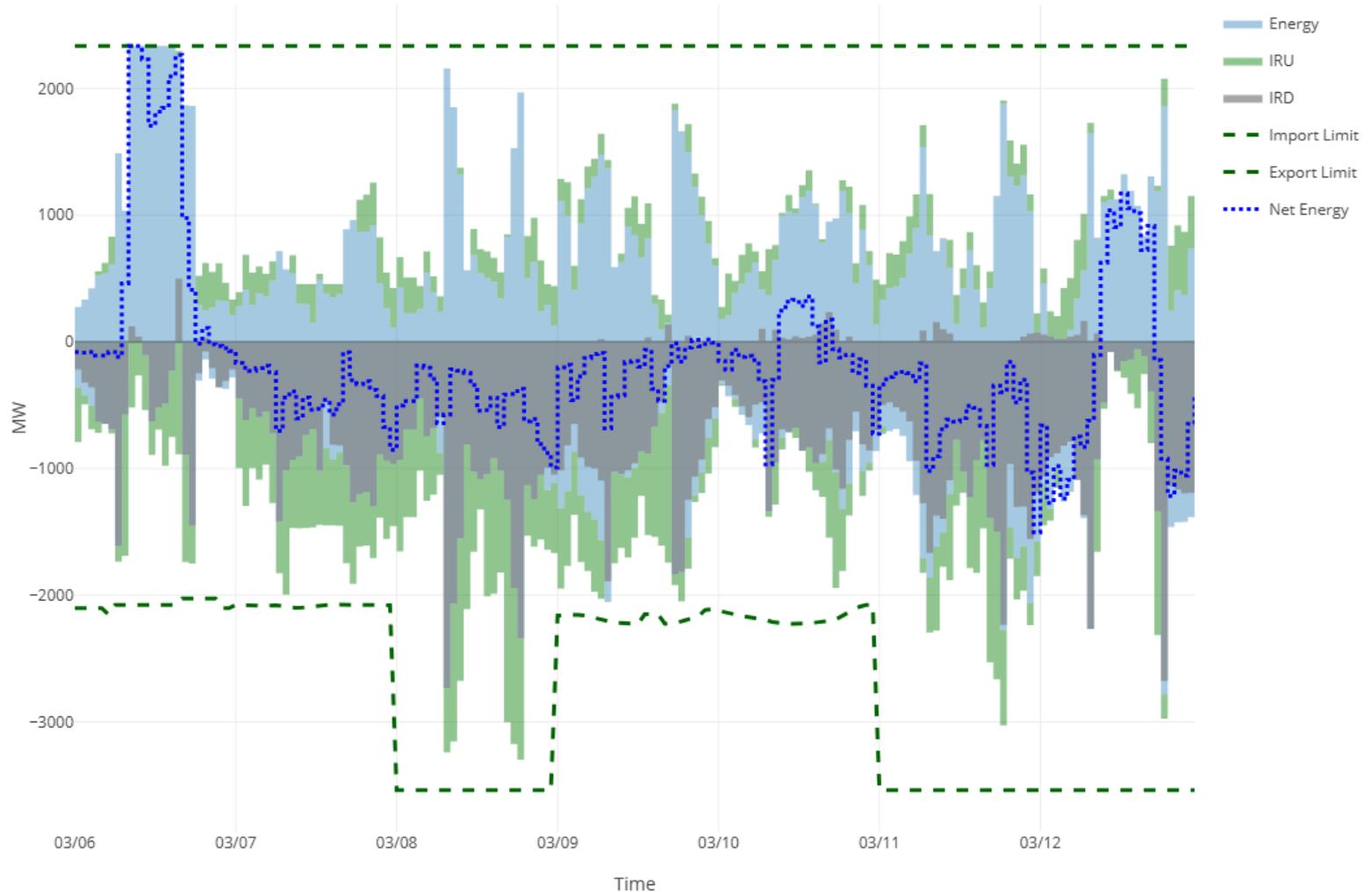
# BAA MEC and GHG



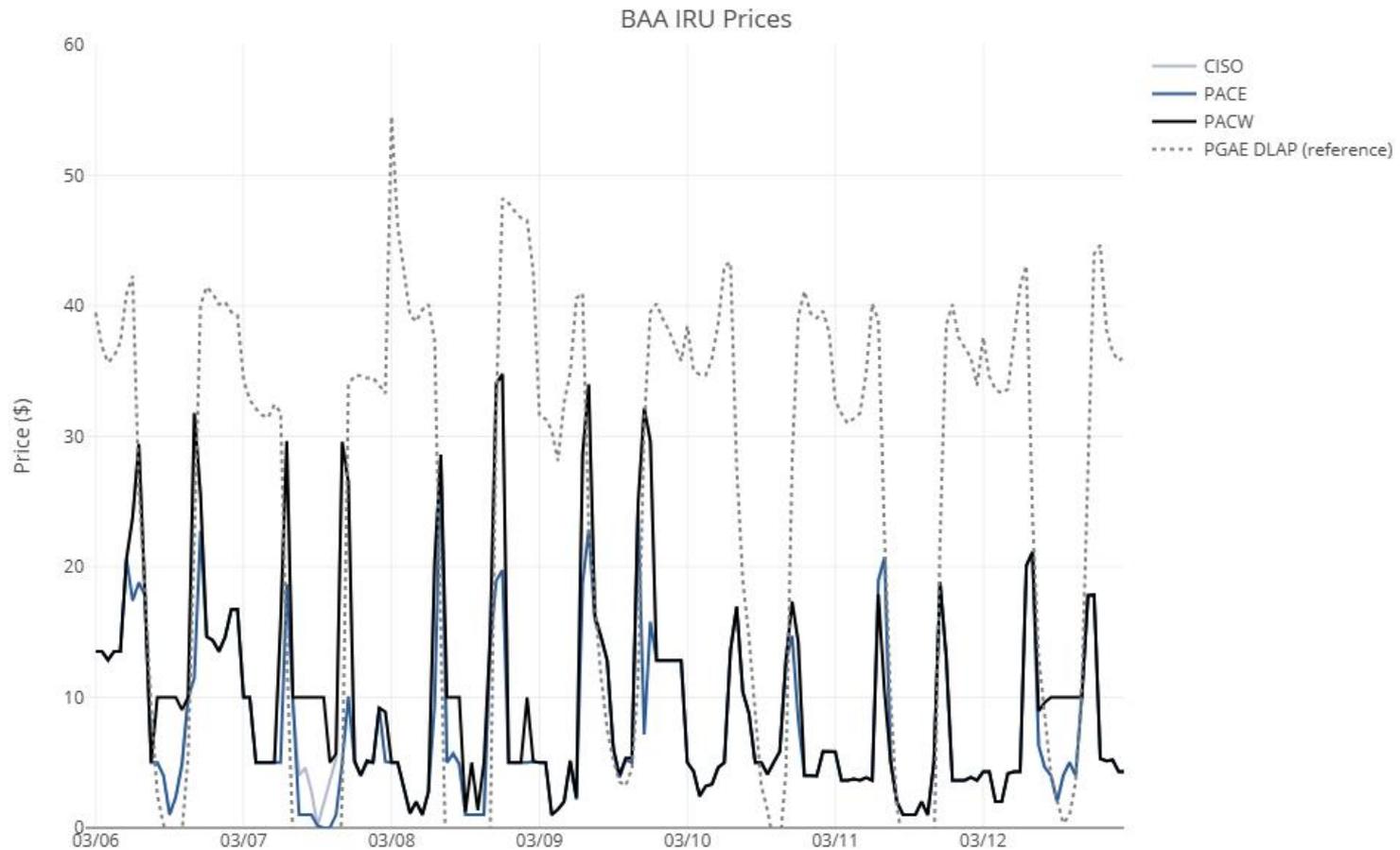
With the transfers open and rarely binding, the BAA MECs converge

# CISO Transfers in IFM

Energy and IR TSR Optimized Transfers for CISO

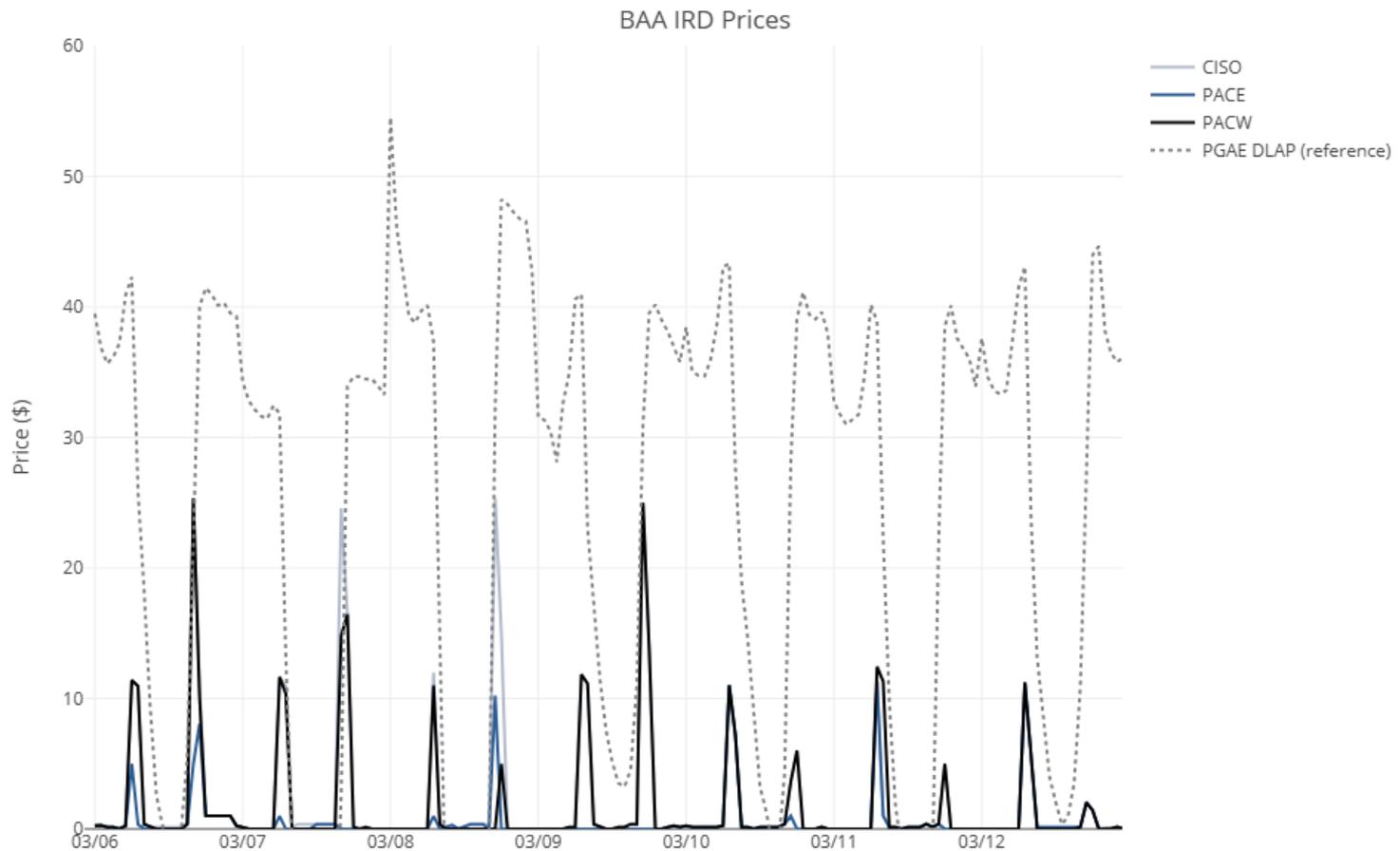


# BAA IRU Prices



The IR prices converge in most intervals with the transfers open

# BAA IRD Prices

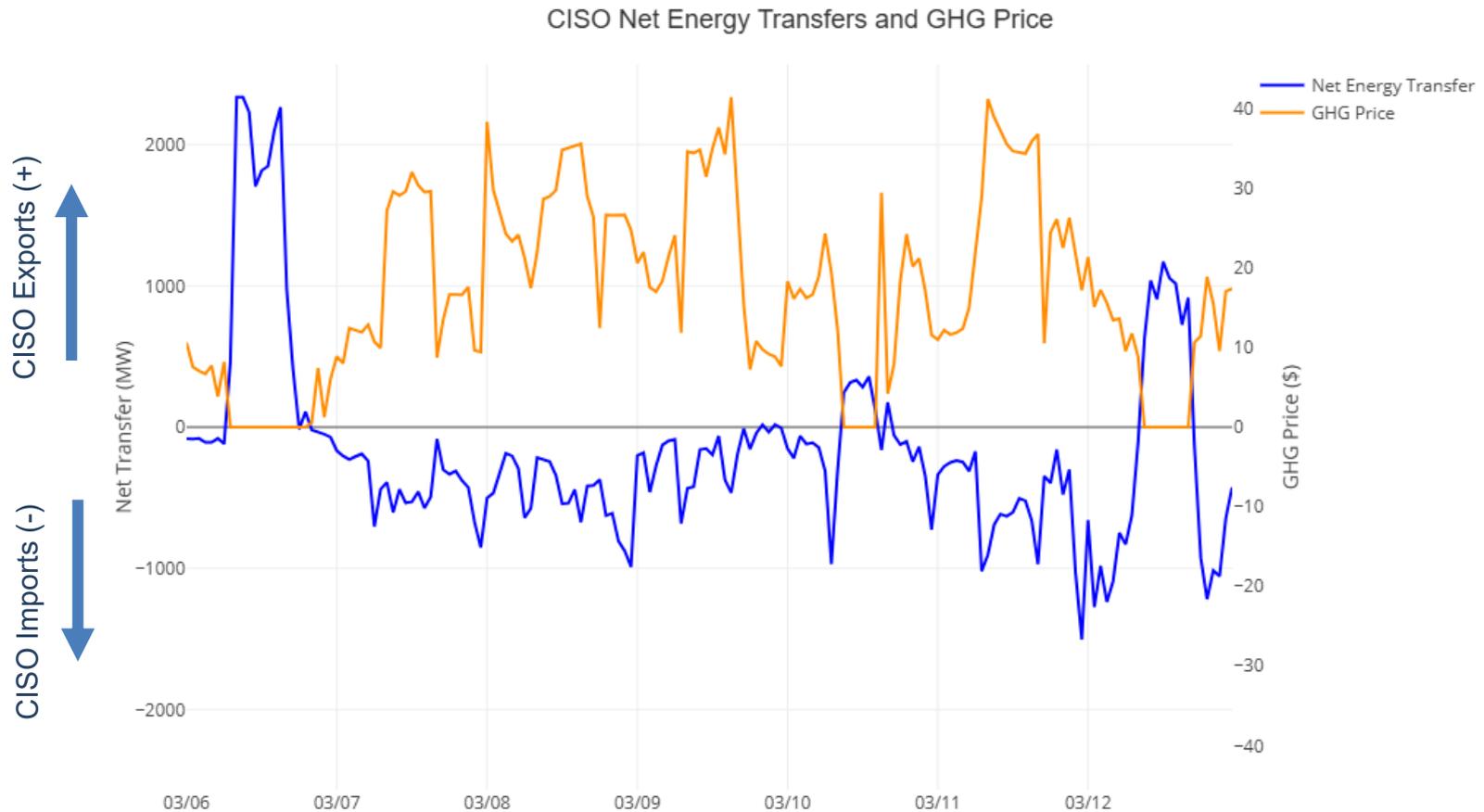


The IR prices converge in most intervals with the transfers open

# GHG changes under EDAM

- GHG prices in the WEIM today are calculated as a negative price that reduces the LMPs for BAAs outside of the CISO
  - This reflects that these non-CISO BAAs do not have a GHG obligation
- In EDAM, the GHG price will be positive and applied within the California GHG area
  - With separate MECs, it is more straightforward to add the GHG component as a positive price within the CA GHG area
- The CA GHG area is no longer equivalent to the CISO BAA.
  - VEA, which is part of the CISO BAA, is not in California and is therefore not subject to the CARB rules
  - VEA will have the same MEC as the rest of the CISO BAA but will not have the GHG price included in its LMP

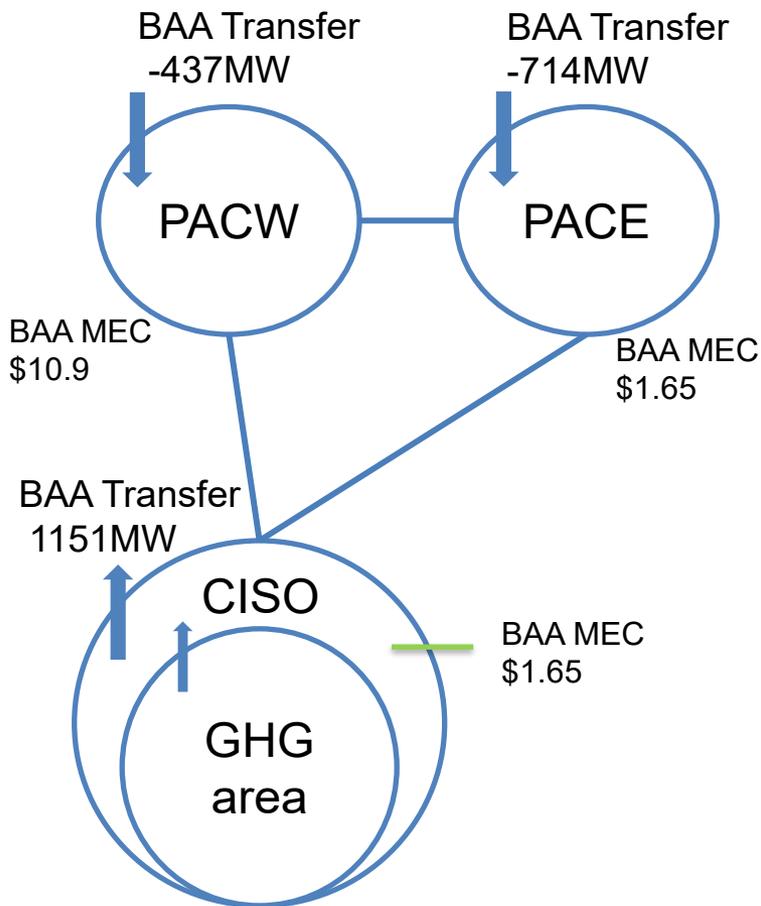
# CISO Net TSR Transfers and GHG Pricing



GHG prices are non-zero when the CA GHG area is a net importer of energy.

# GHG example 1.

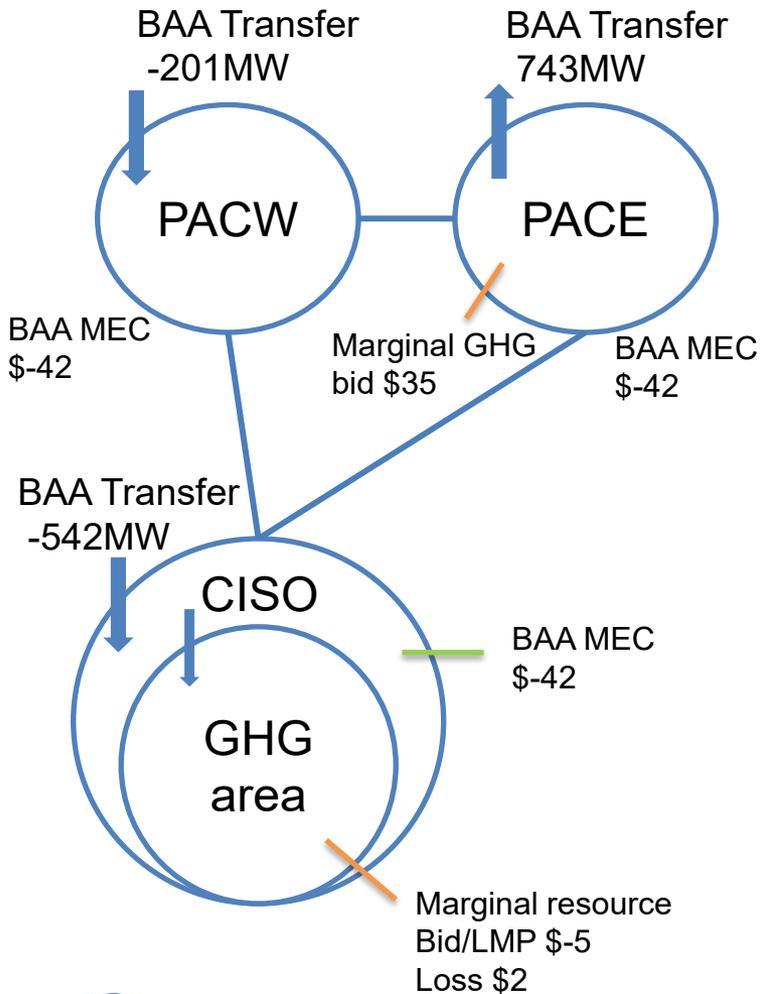
## \$0 GHG price case



- Mar. 12<sup>th</sup>, HE13
- BAA level:
  - CISO net exporting
  - PACE, PACW net importing
- CA-GHG area is net exporting
  - GHG price @\$0

# GHG example 2.

## GHG price set by GHG bid in PACE area



- Mar 8<sup>th</sup>, HE13
- BAA level: PACE exporting, PACW, CISO importing
  - PACE self-sched non-VER + VER supply
  - MECs @ -\$42
- GHG Received GHG bids from PACE/PACW
  - Only PACE is exporting
  - Marginal GHG bid @\$35
- CA-GHG area is net importing
  - MEC/cost outside of GHG area -\$42
  - Marginal resource within GHG area
$$LMP = MEC + Loss + GHG + Congestion$$

$$= -42 + 2 + 35 + 0 = -5 = Bid$$

# Changes to configurable parameters to be enacted for trade date 3/6

- As discussed in last week's configurable parameters call, the following changes will be applied effective for DA trade date 3/6 in PO:
  - Envelope Multiplier Constraint
    - Current value: 85%
    - New value: 60%
  - Deployed Imbalance Reserve Factor
    - Current value: 100%
    - New value: 60%

# Are the RCU costs allocated to virtuals? Yes

- See new EDAM Tariff language for more details

## 11.8.6.5.3.1 RCU Tier 1 Cost Allocation Quantity

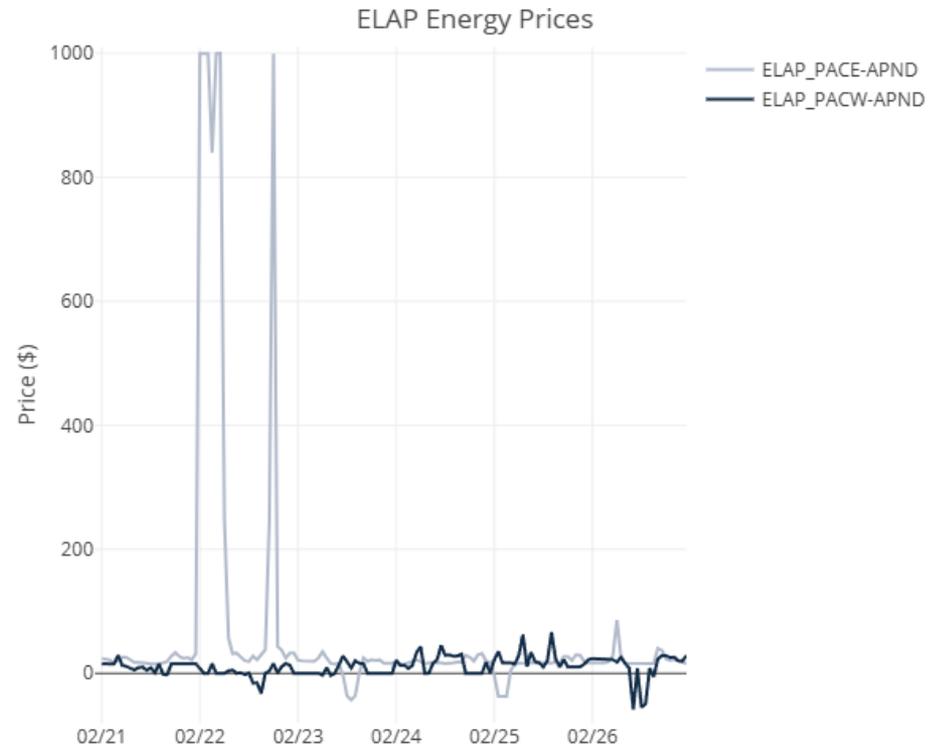
A Scheduling Coordinator's total RCU tier 1 cost allocation quantity is the sum of the tier 1 quantities, specified as follows.

For a Scheduling Coordinator with net Virtual Supply Awards in a Trading Hour, the RCU tier 1 cost allocation quantity associated with its Virtual Supply is the higher of: (a) zero; or (b) the Scheduling Coordinator's net Virtual Awards, if the Balancing Authority Area in which that Scheduling Coordinator is located has net Virtual Supply.

For a Scheduling Coordinator with under-scheduled Load in a Trading Hour, the RCU tier 1 cost allocation quantity associated with its under-scheduled Load is the net negative metered Demand, excluding net negative Demand associated with balanced ETC/TOR rights and negative deviation for Participating Load resulting from a market dispatch.

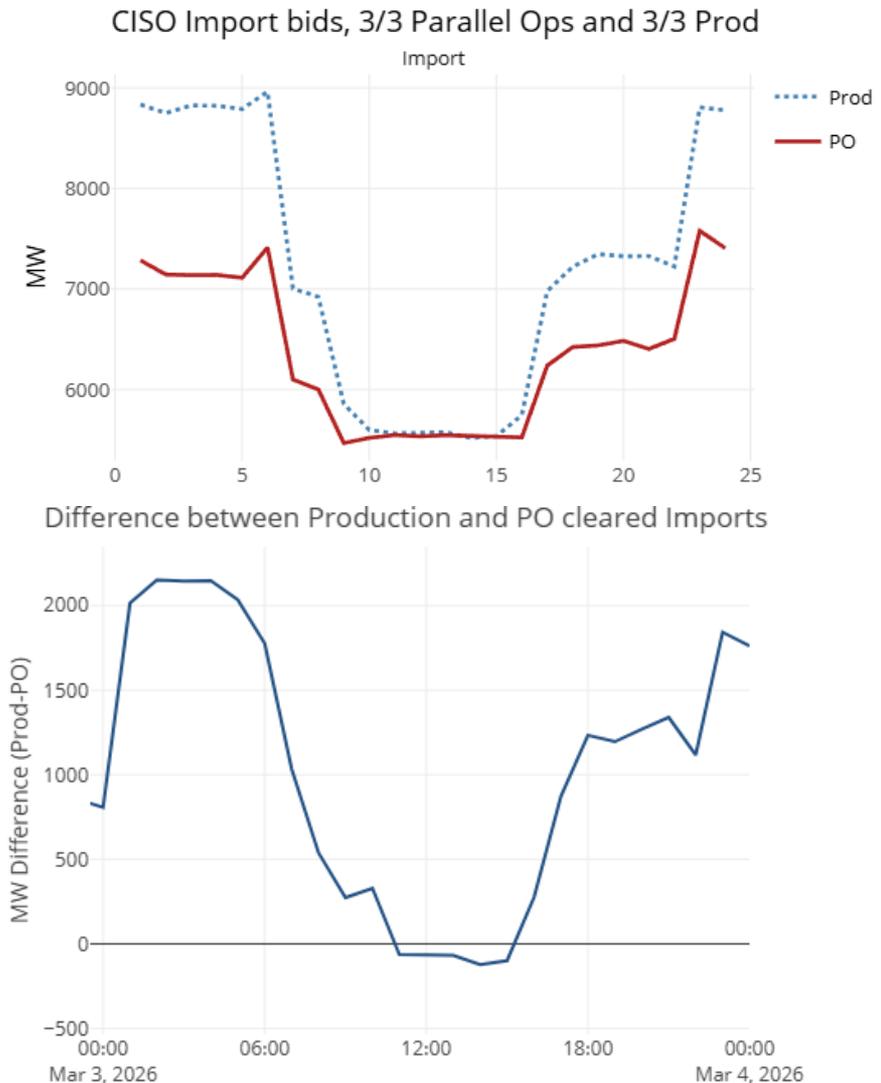
# RSE test – issues and fixes

- PACE was short in IFM on 2/22 but passed all their RSE tests – this was due to issues accounting for exports and self-schedules in RSE
- These issues have been fixed as of 3/5. A re-run of the 2/22 RSE now shows failures in those hours



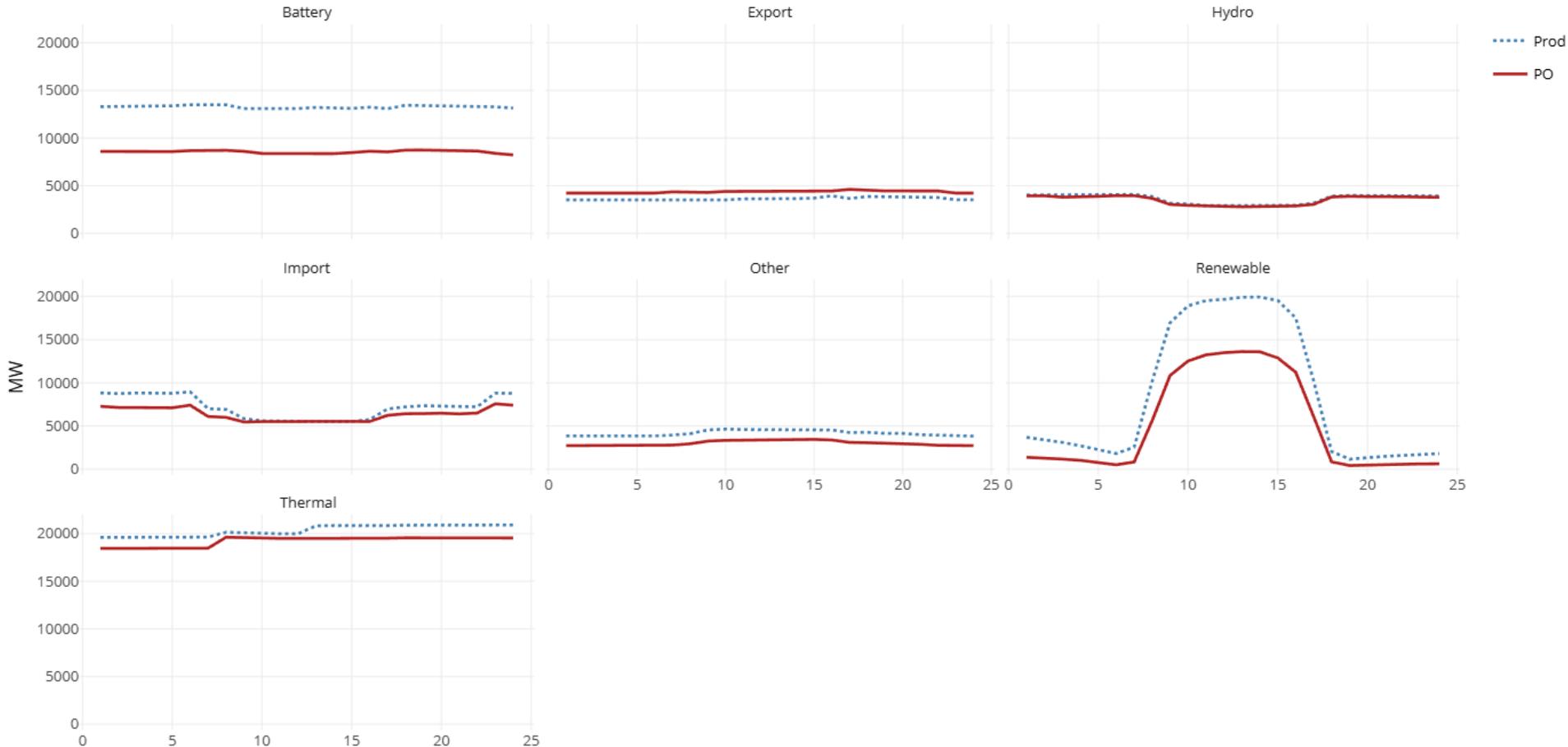
# Why are we clearing more imports in production than we see in PO? Missing bids

- An issue was identified that is dropping bids in parallel operations
- This issue does not only affect imports
- The issue is on the stage SIBR side, only impacts certain SCs, and the fix is being worked on



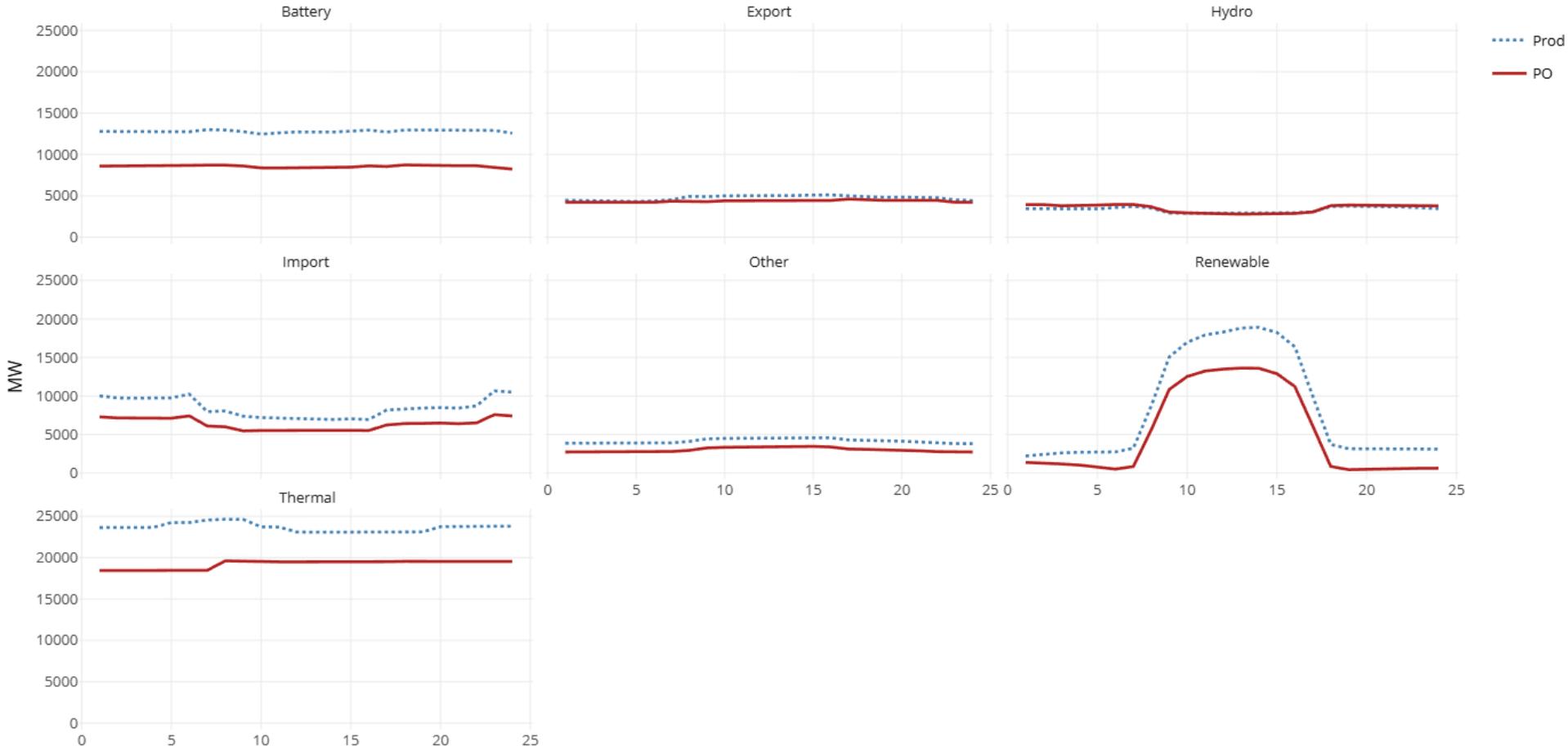
# There are significant missing bids for CISO in PO due to a SIBR issue. This is being worked on, should be fixed soon.

CISO energy bids, 3/3 Parallel Ops and 3/3 Prod

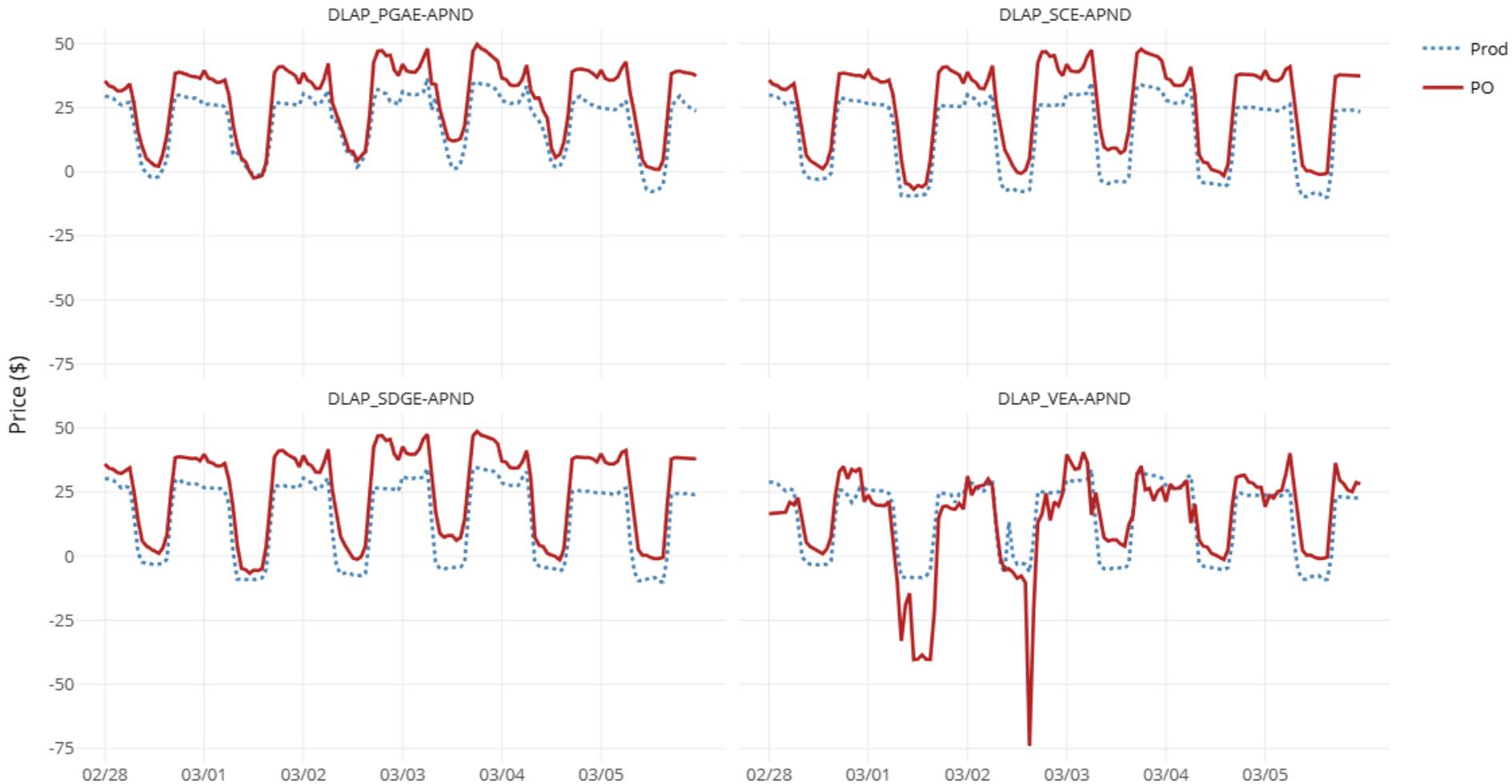


# There are significant missing bids for CISO in PO due to a SIBR issue. This is being worked on, should be fixed soon.

CISO energy bids, 3/3 Parallel Ops and 2/24 Prod (7 day lag)

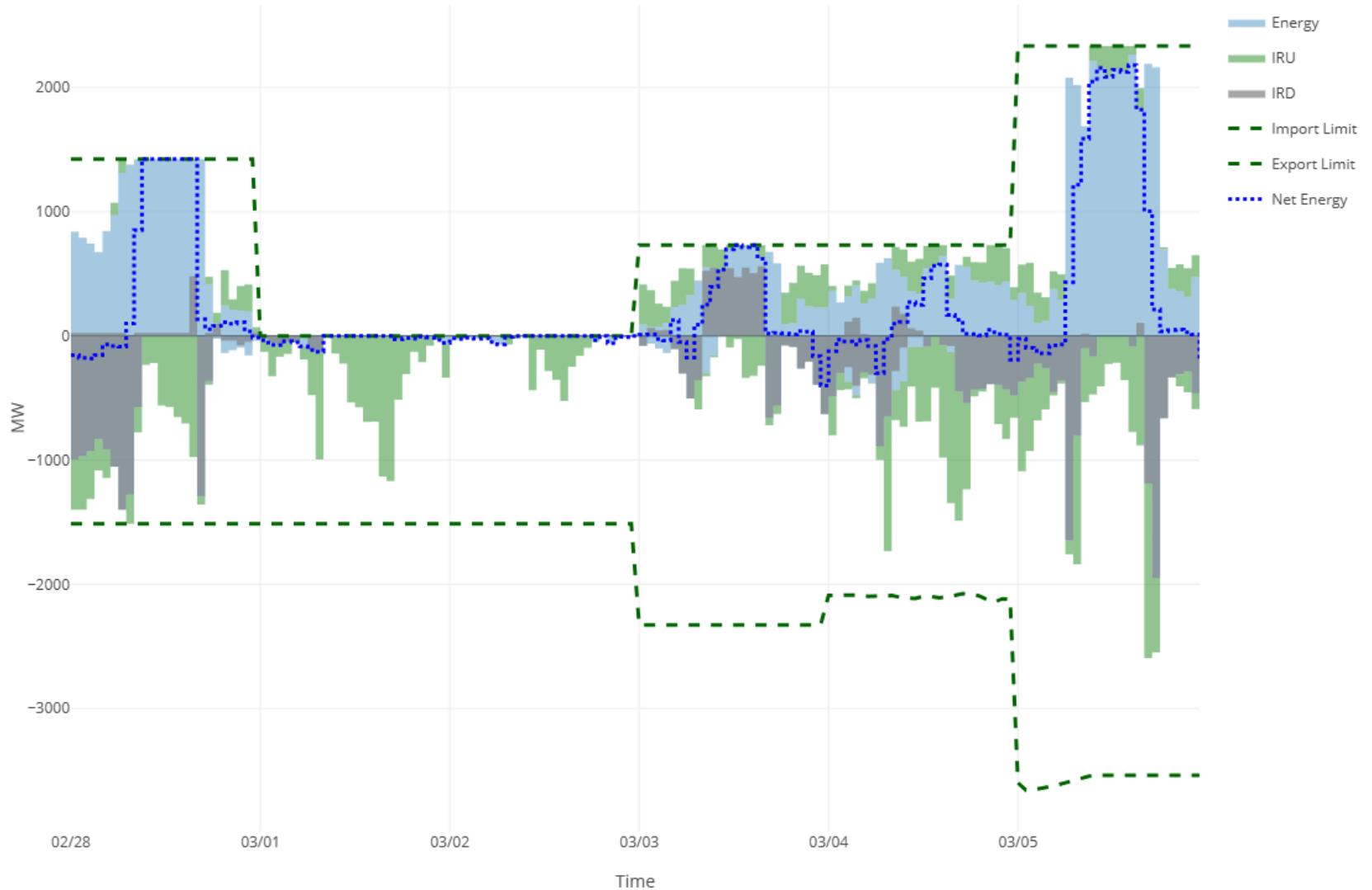


# Prices are higher in Parallel Ops than Production due to missing bids



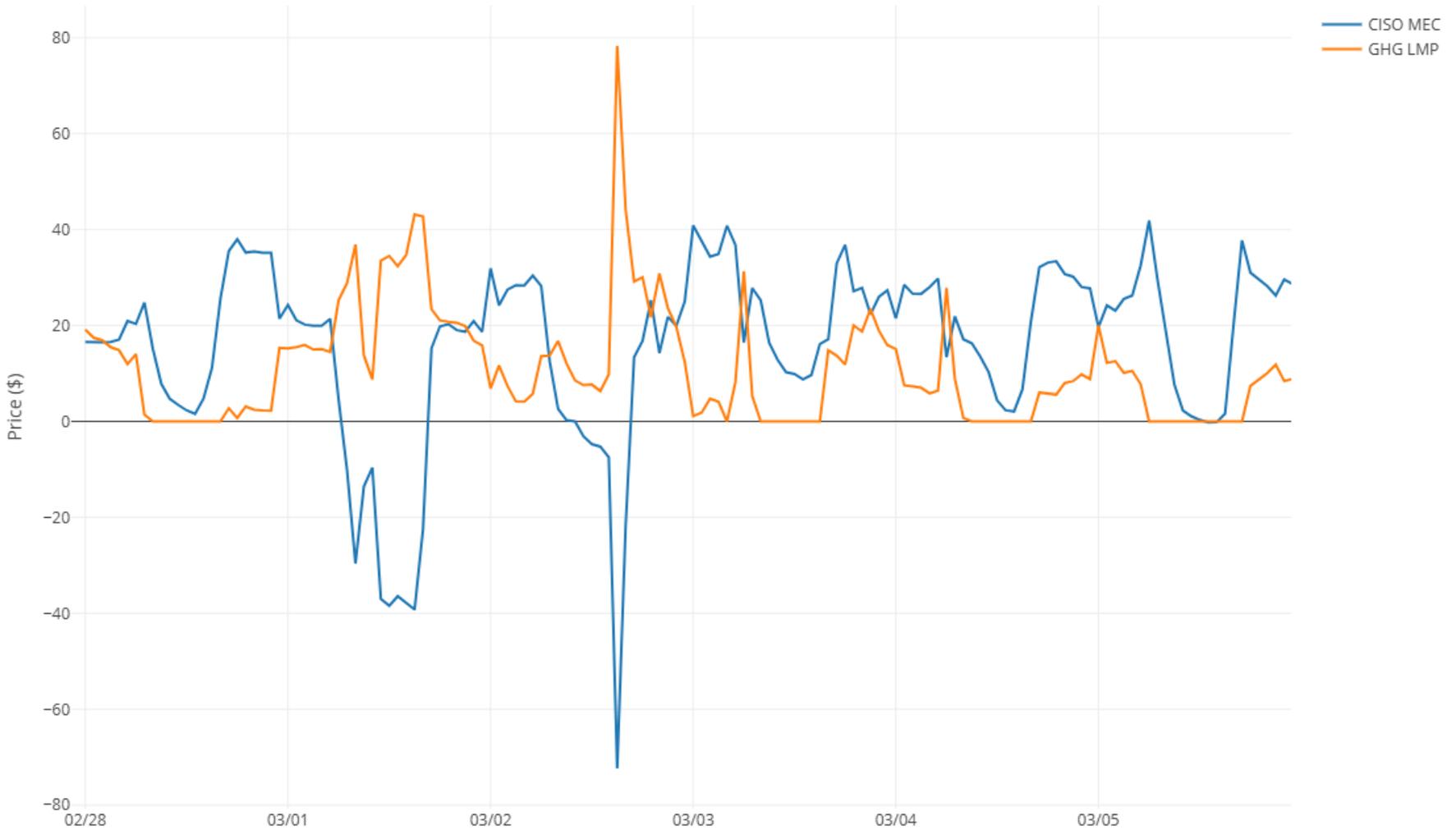
# CISO Transfers

Energy and IR TSR Optimized Transfers for CISO



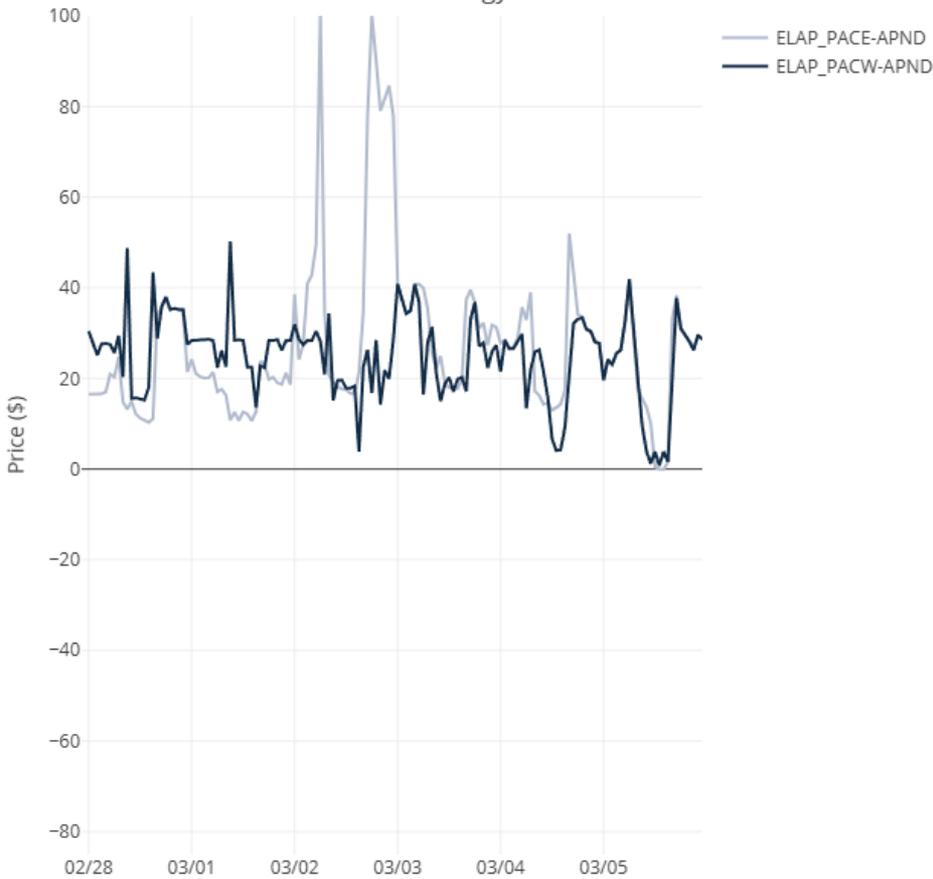
# CISO MEC and GHG

CISO MEC and GHG component of LMP

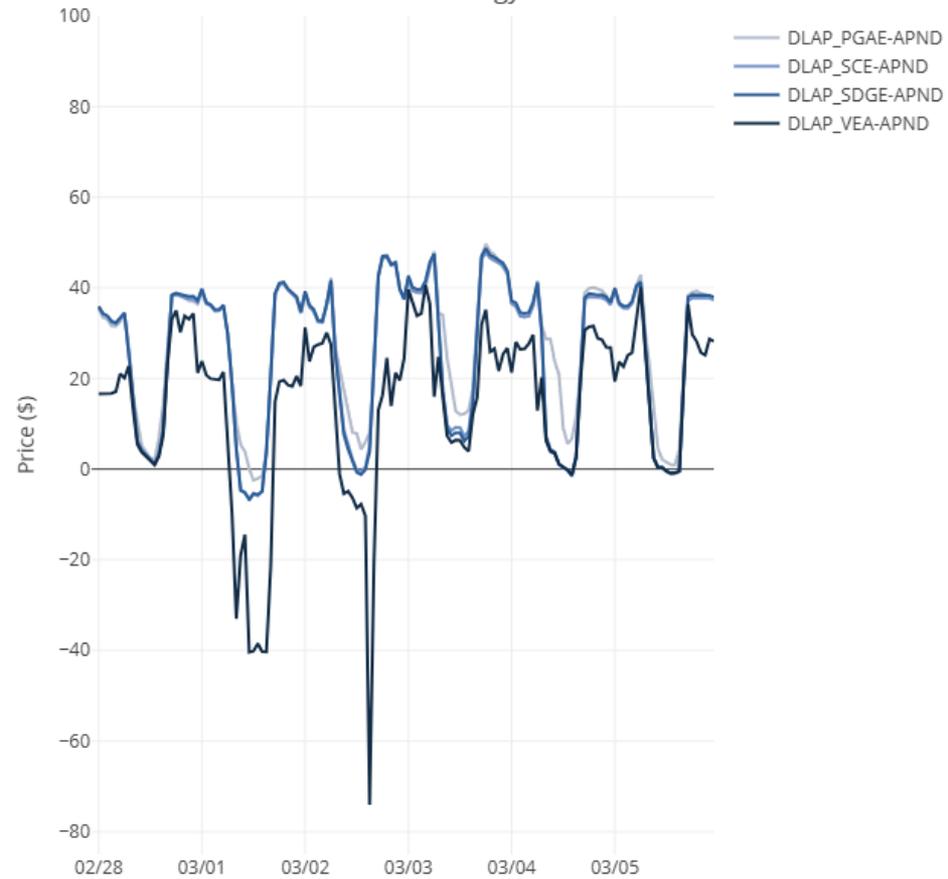


# Energy pricing update

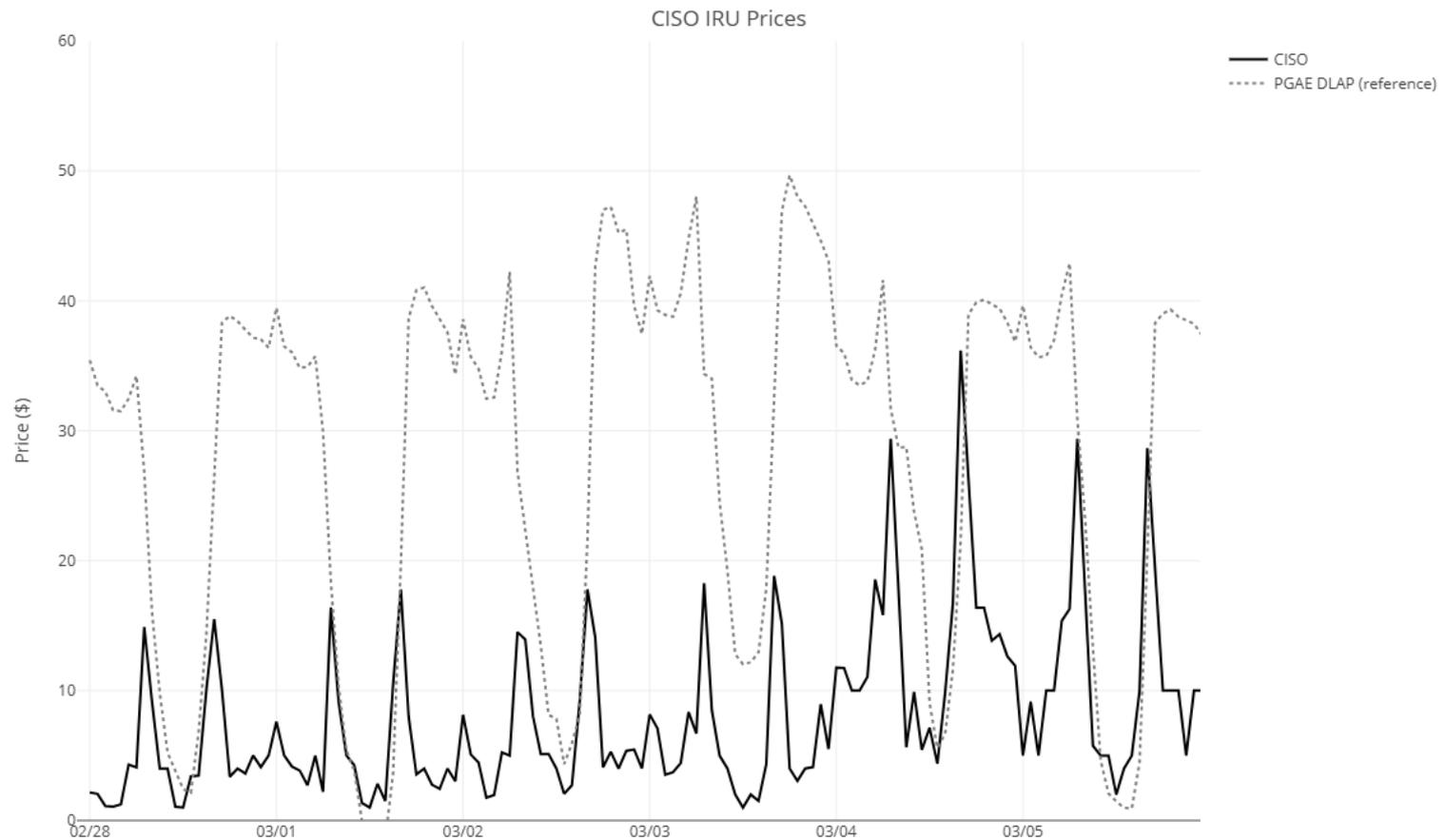
ELAP Energy Prices



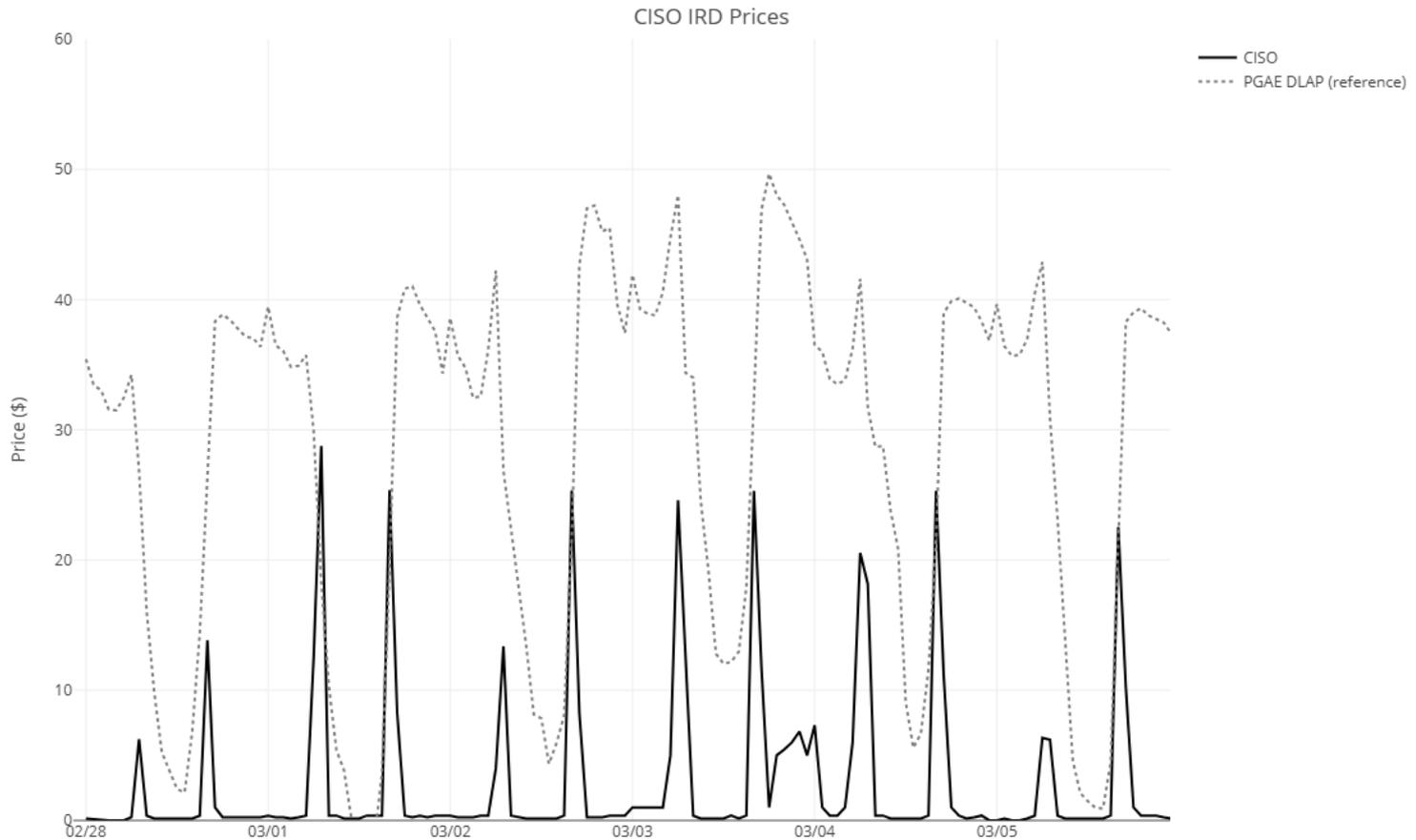
DLAP Energy Prices



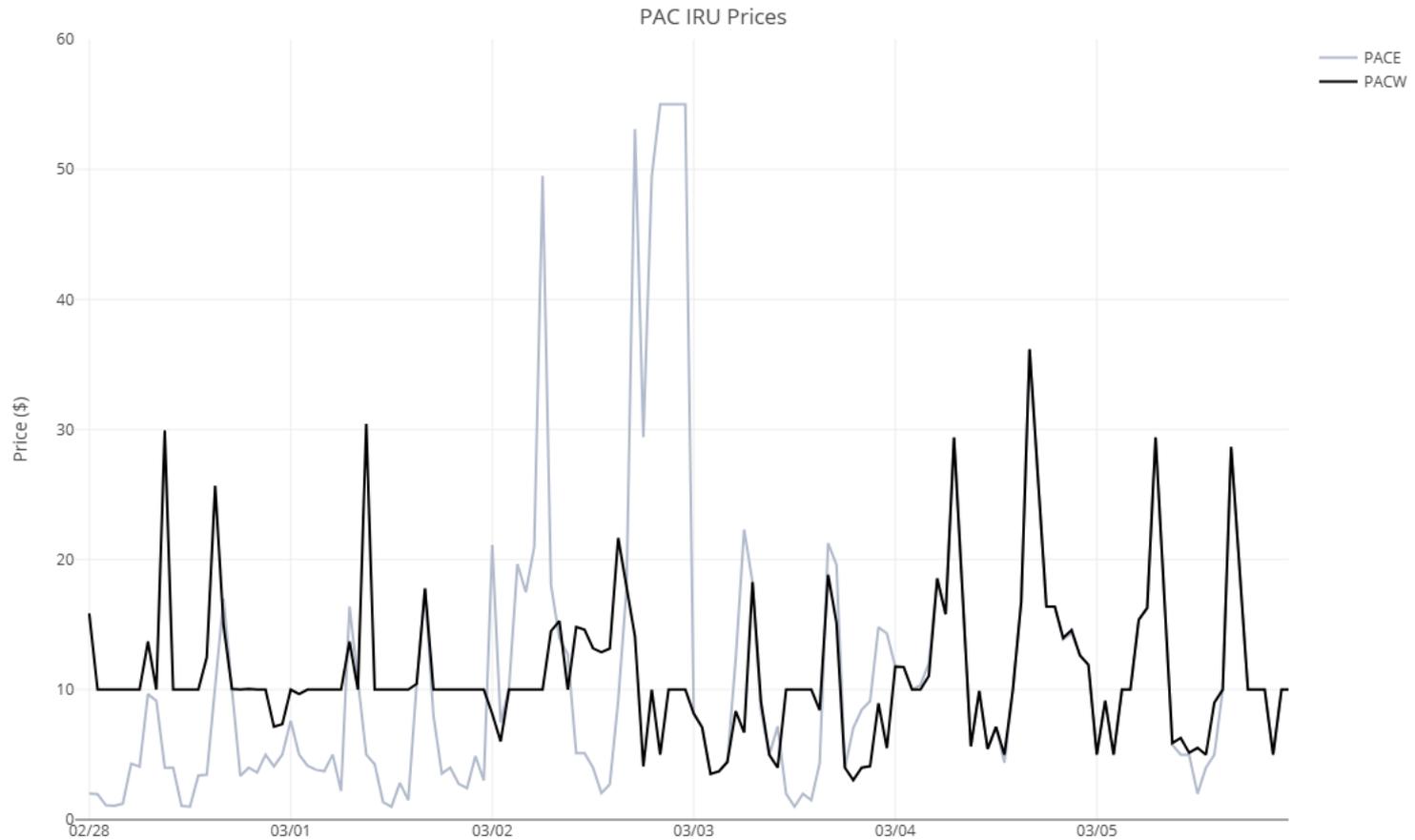
# CISO IRU pricing update



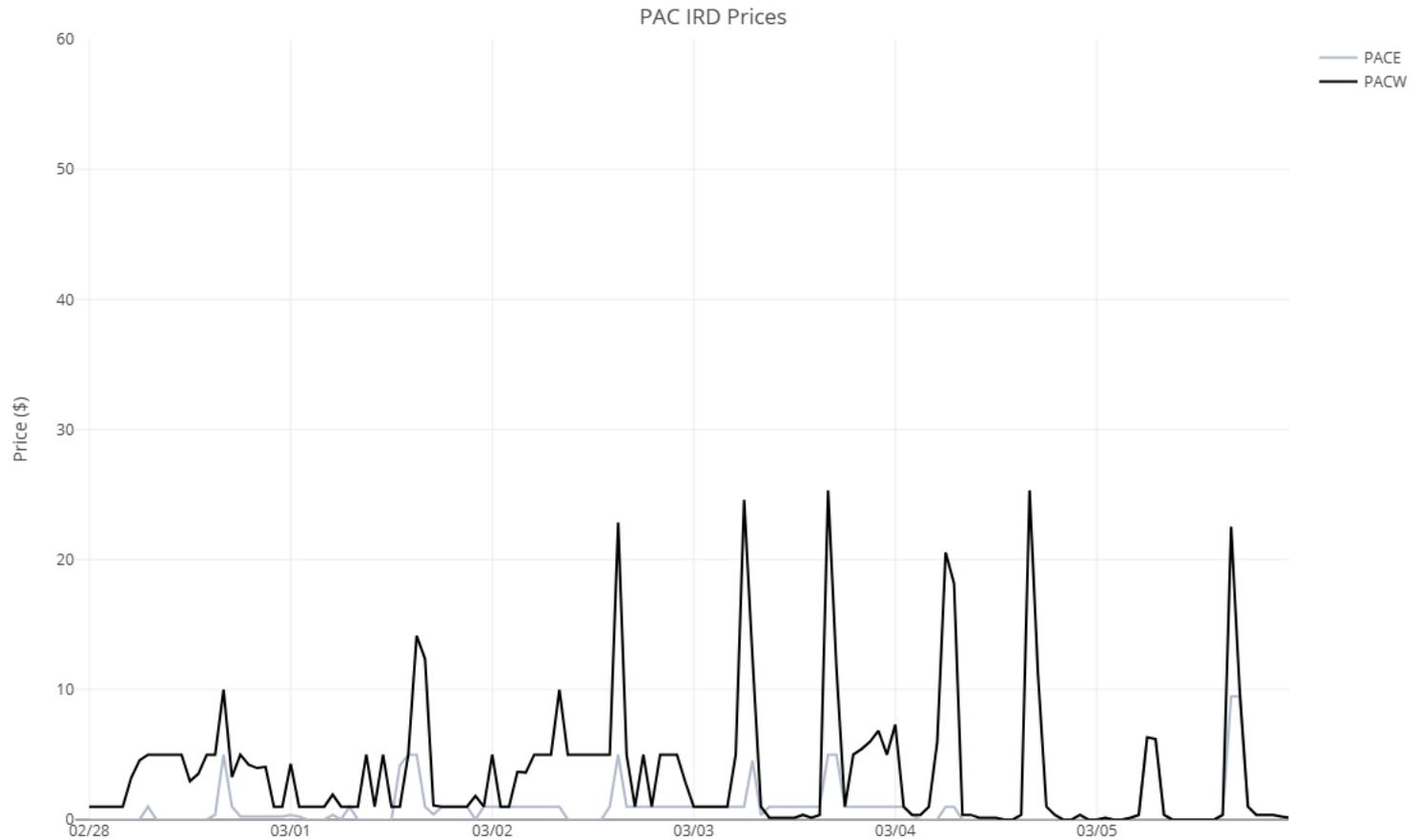
# CISO IRD pricing update



# PAC IRU pricing update



# PAC IRD pricing update



# SIBR Patch 27

Description/Identifier	
<b>F25 - EDAM Rules 12.3.4 for RCU and RCD on MSG resource RTM support with different states BRQ-11000</b>	MSG RTM rules when RCU/RCD potentially in different state than the IFM. Energy Bid generation or extension based on award.
<b>F25 - EDAM Retrieve service for RSE Capacity report</b>	New retrieve API for RSE Capacity report (EDAM role)
<b>F25_EDAM_Retrieve API, should return Rule# with rule messages for both Valid and Invalid bids</b>	Fix for retrieve services to return the rule messages for submissions that are either Valid, and more importantly Invalid or Rejected.
<b>F25: EDAM : Fix Rule 39402 and relax 39404</b>	Relax SC check for Released Capacity submit, must be valid SC and the CRN is associated to Transfer Location, also same for the TCSC List, having the EESC as the submit associated with the CRN responsible SC.
<b>F25_EDAM_TSR Identifier &gt;25 should allow in API</b>	Allow the alpha-numeric identifier to be 2 characters in an API submission.
<b>F25_EDAM_submitting TCSC list fires 39301, it should not</b>	Same as for 39402 in HPCQC 92399.
<b>F25_EDAM_LPT Export Resource Non EDAM BAA firing 23220 rule,it should not</b>	Allow Export resource (Non-EDAM) to have an LPT Self-Schedule.
<b>F25_EDAM_CRN Validation Rules INA 39602</b>	EDAM Entity SC update to the EDAM CRN Entitlement validation to be from the EESC.

# SIBR Patch 26 Promoted to MAPSTAGE & STAGE

Description/Identifier	
<b>EDAM; SIBR - RetrieveBARequirementData_SIBRv1_RW role and RO role- for SC that does not belongs to the certificate - improper error message</b>	Error message fixed: SubmitReleasedCapacityBid_SIBRv1_AP -- with invalid SCID:User Is Not authorized to submit released capacity for the specified SC
<b>F25_EDAM_QRB2_Registered TSR type 2_rule 43801 not fired-BRQ-11144f</b>	TSR Matched status properly set on bid when Matching TSR found.
<b>F25 - EDAM Enhancement Transient UI filter logic</b>	Typing in a portion of the contract will filter in the UI display.
<b>F25_EDAM_Registered Intertie with TCL does not fire a rule 23026</b>	Will not allow a non TSR to submit TCL.
<b>F25_EDAM_EDAM_BARequirement Copy issue</b>	A placeholder set of rows will be created when copying an EDAM BA Requirement with empty records.
<b>F25 - EDAM SBR Entitlement for EDAM contracts set to 0 when ETCC comes in.</b>	The procedure has been corrected, Master File EDAM contract with Entitlement is written to the database correctly and the incoming ETCC payload no longer zero's the CRN Entitlement in the table for the EDAM CRNs.
<b>F25 - EDAM SIBR UI RSE Capacity enhancement</b>	Transient TSR available and TCL as a product

# SIBR Patch 26 Promoted to MAPSTAGE & STAGE

<p><b>F25: EDAM SubmitTotalTaggedImport should be accepted for the same TD</b></p>	<p>Total Tagged Import was not being allowed to submit after 10, now it can be received for the active day after 10am.</p>
<p><b>F25 - EDAM Rule 43023 for Transient TSR check and add 53046 post close BRQ-11144</b></p>	<p>TSR Matched status check at Post Close, if Matched Status is N then the bid will become invalid. ( both TSR pairs must be market accepted.)</p>
<p><b>F25_EDAM_EDAMBARRequirement_AS Region submit vs Retrieve is not same</b></p>	<p>Corrected the MarketRegion name in the BARRequirement payload generated through the retrieveBARRequirementData_v1SIBR service, now the return data matches the submit data.</p>
<p><b>F25_EDAM_Rule 41333 fired on Gen bid, should fire on MSG bid</b></p>	<p>Now will fire on MSG resource correctly and without duplicate price curve data on bid.</p>
<p><b>F25 - EDAM INA rule 31671 and modify 41674</b></p>	<p>This allows a GHG Bid price to come in even above the Max Price from ECIC for the resource. Rule 41674 will cap the price for the resource, if there is no price from ECIC it will be a \$0 price.</p>
<p><b>F25 - EDAM need for rule 43121 from 12.3.3</b></p>	<p>A non TSR Import with RCU and no Energy curve, will generate an Energy curve to support the RCU Award.</p>
<p><b>F25 - EDAM duplicate price segment data in processing rules supporting awards</b></p>	<p>(this was the 41333 rule fix)</p>
<p><b>F25: EDAM : Rule 33802 did not fire on non-integer or negative Capacity Limit</b></p>	<p>The TCL submitted for TSR must be greater than 0 and be a integer.</p>
<p><b>F25 - EDAM INA rule 39304, covered by 30025 BRQ-11140</b></p>	<p>The SC provided in the TCSC List must be a registered SC, it does not have to be the SC associated to the CRN. The CRN association belongs with the Transfer Location, and the CRN association is with the EESC.</p>
<p><b>F25 - EDAM INA rule 31936 Add 41955 for RCU processing BRQ-11210</b></p>	<p>41955 will check the RCU capacity, and if it is submitted greater than the certified capacity or the UEL it will cap the RCU capacity to the lower of. 31936 was inactivated but we also found that rule 31911 also needs to be inactivated to allow 41955 to process. That is coming in patch 27.</p>

# 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](#)