



California ISO

# Market Performance and Planning Forum

Q4

October 26, 2026

# Housekeeping



This call is being recorded for informational and convenience purposes only. Any related transcriptions should not be reprinted without ISO's permission.



The meeting is structured to stimulate dialogue and engage different perspectives.



Please engage in a respectful and professional manner.



Please keep comments brief and avoid repeating points already made so we can manage time and ensure everyone has an opportunity to participate.



You can access Closed Captioning and the Transparency Viewer using the controls located at the bottom of the Webex screen.

# 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.



If you are connected on the phone line only and not the Webex dial \*3 to be added to the raise hand queue.



Please remember to state your name and affiliation before making your comment.



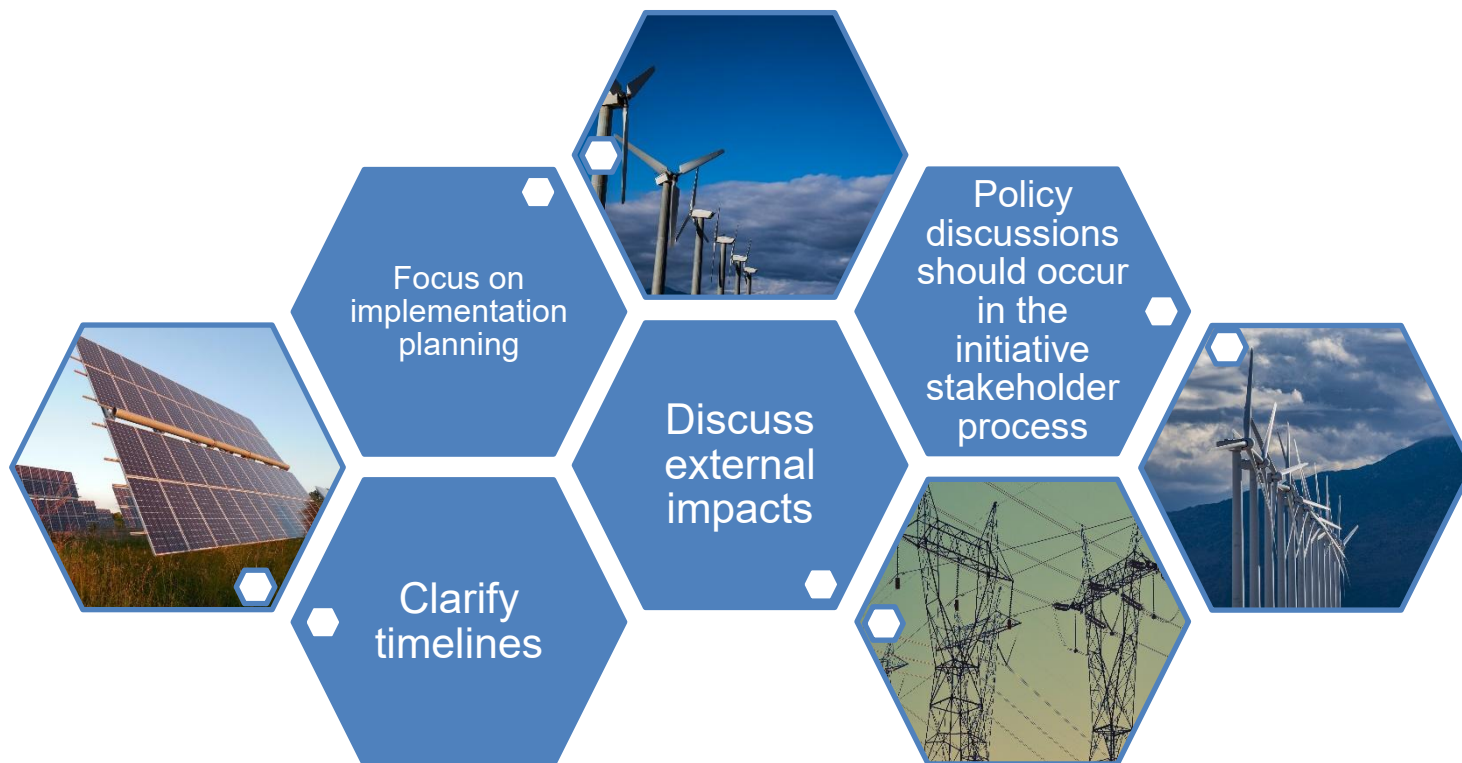
You may also send question via chat to all panelists.



If you need technical assistance during the meeting, please send a chat to the event producer at Intellor Events.

# Objective: Enable dialogue on implementation planning and market performance issues

- Review key market performance topics
- Share updates to 2027-2029 release plans, resulting from stakeholders inputs





California ISO

## Market Performance and Planning Forum

Agenda – Oct 26, 2026

9 p.m. – 12 p.m. Pacific Time (PST)

| Time:        | Topic:                                                          | Presenter:                                                     |
|--------------|-----------------------------------------------------------------|----------------------------------------------------------------|
| 9:00 – 9:05  | Introduction, Agenda                                            | Brenda Marquez, Stakeholder Affairs                            |
| 9:05-9:30    | Release Update                                                  | Trang Vo, Release Management                                   |
| 9:30 – 10:00 | Market Design Update                                            | Milos and Daniel, Market Policy Development                    |
| 10:00-11:50  | EDAM Market Performance Report,<br><i>Comments due 11/12/26</i> | Guillermo, Abhishek, Market Performance and Advanced Analytics |
| 11:50-12:00  | Next Steps and Energy Blog Matters                              | Brenda Marquez, Stakeholder Affairs                            |



# Release Update

# Agenda for Release Update

## Fall 2026 Release

- ✓ EDAM Onboarding PGE
- EDAM Enhancements 2026

## Independent 2026 Release

- Contractual Share for Renewable Forecasting
- FERC 881 Track 2: CRR – November
- FERC 881 Track 3: AAR in Market Applications\*
  - \*effective date of Order No. 881 tariff under internal review*
- Transmission Exchange Agreement Renegotiation
- FERC 2023 Generator Interconnection Life Cycle
- ✓ DACA As A Service Implementation
- RC Forecast & Schedules Data Reporting Automation
- Storage Design & Modeling
  - ✓ *Automatic Acceptance of Outage Change Requests*
  - Power Minimum Rerates on Test Energy Cards*

## Spring 2027 Release

- Resource Adequacy Modeling & Program Design - Resource Visibility
- Greenhouse Gas Coordination Accounting & Reporting
- Resource and Transmission Implementation – Release 1 WEIM*

## Fall 2027 Release

- EDAM Onboarding BANC
- EDAM Onboarding LADWP
- EDAM Onboarding PNM
- EDAM Onboarding TID
- Resource and Transmission Implementation – Release 2 WIM*

## Future Release

- Settlement Upgrade Project
- Enhanced Curtailment Calculator (ECC) Expansion for Western Interconnect SOL
- Congestion Revenue Rights Enhancements – Jul '26 Board approved
- EDAM Congestion Revenue Allocation
- Gas Resource Management – Dec '25 WEM GB approved
- Storage Design & Modeling
  - Non-Linearity Solution for Non-Generator Resources*
  - Improvements to Out-Of-Service Checkbox Functionality*
  - Partial Outages for Non-Generation Services*
- Price Formation Enhancements
- Resource and Transmission Implementation*
- FERC 917 – Electronic Quarterly Report*
- NERC Reliability Standard CIP-003-11*

# Fall 2026 Release

EDAM Onboarding PGE  
EDAM Enhancements 2026

# Fall 2026 – EDAM PGE

| Project Info                 | Details/Date                                                                                                                                                         |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Software Changes | System modifications as needed to accommodate any unique Portland General Electric needs to support their EDAM onboarding.                                           |
| BPM Changes                  | EDAM BPM will be updated if needed to reflect changes identified during the onboarding and as required to reflect the unique processes of Portland General Electric. |
| Market Simulation            | March 2, 2026 through May 29, 2026                                                                                                                                   |
| Parallel Operations          | June 1, 2026 through September 15, 2026                                                                                                                              |

| Milestone Type      | Milestone Name                        | Dates                                   | Status          |
|---------------------|---------------------------------------|-----------------------------------------|-----------------|
| Market Simulation   | Market Simulation Window              | March 2, 2026 through May 29, 2026      | <b>Complete</b> |
| Parallel Operations | Parallel Operations                   | June 1, 2026 through September 15, 2026 | <b>Complete</b> |
| Tariff              | N/A (filed as part of Implementation) | N/A                                     | N/A             |
| Production          | Activation                            | October 1, 2026                         | <b>Complete</b> |

# Fall 2026 – EDAM Enhancements 2026

## Business Opportunity

|                                           |                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| What:                                     | Enhancements to various systems for the purpose of : <ul style="list-style-type: none"><li>• Removing barriers to market participation by adding trading and scheduling</li><li>• Providing equitable access to data for EDAM Entities</li></ul>                                                                                        |
| Who does this opportunity/problem impact: | EDAM Entities                                                                                                                                                                                                                                                                                                                           |
| BRS                                       | <p><b>Version 1.1 – Upcoming</b></p> <p>GHG</p> <p><b><u>Version 1.0</u> – 08/17/26</b></p> <p>Publish external BRS for 14 EDAM enhancements</p> <p><b>Version 0.6 – 6/30/2026</b></p> <p>Publish external BRS for the first two high priority enhancements, Inter-SC trading and ADS provision, support market Simulation timeline</p> |

## Fall 2026 – EDAM Enhancements 2026 – Page 1 of 2

| Information                                             | Description                                                                                                                                                                                                                                                                  | Market Sim Date | Planned Prod Date |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------|
| <b>InterSC Trades</b>                                   | Allow non-generating resources to participate in inter-SC trade and offer physical energy product in order to continue effective integration of higher capacities of energy storage and meet RA and GHG compliance goals.                                                    | Complete        | Complete          |
| <b>Auto-provisioning ADS dispatch request</b>           | New role so that both EDAM and WEIM Entities can view all resource dispatches within their BAA on ADS                                                                                                                                                                        | N/A             | 10/15/2026        |
| <b>CMRI - RTUC Advisory Schedule Report in CMRI</b>     | For EDAM entities, we do not provide access to the HASP advisory information. There is an SC based report, in CMRI, but we need this report to be made available to the Entity, so they can mimic our capability in ITS with their systems.                                  | N/A             | Complete          |
| <b>CMRI - Capacity Allocations Report</b>               | Provide Entities a new CMRI report to support shadow settlement for Balanced Contracted Determinants related to Imbalance Reserve (IR) and Reliability Capacity (RC).                                                                                                        | N/A             | Complete          |
| <b>Transfer Location to ITC Mapping</b>                 | Broadcast Tie to ITC mapping from MF to downstream systems Consume and Process Tie-ITC Mapping from MF in ITS                                                                                                                                                                | N/A             | Complete          |
| <b>EDAM Entity DAM Data Access: BAAOP</b>               | Enable EDAM entities to access the set of Day-Ahead Market (DAM) User Interfaces within the BAAOP environment with functional equivalence to CAISO operator access<br>Continue manually generate and post DAM result spreadsheets for EDAM entities, through secured website | N/A             | 10/30/2026        |
| <b>Manage Multiple GHG areas</b>                        | All Existing BRQs in this section related to Multiple GHG Areas are already included in the EDAM BRS. Additional testing will still be required to accommodate Washington GHG activation.                                                                                    | November 2026   | December 2026     |
| <b>Allow Entities to decrease AS bids from DA to RT</b> | Change the SIBR validation rules to allow AS bid change in RT for non-CAISO EDAM Entities                                                                                                                                                                                    | N/A             | Complete          |
| <b>Congestion and Transfer billing Determinants</b>     | Include all reportable settlement billing determinants related to the DA Congestion Offset (Charge Code 8704) and Type 1 EDAM Transfer Revenues ( Charge Codes 8411 & 8470) in the EDAM Entity's MRI-S Settlement Statement.                                                 | 11/4/2026       | 12/8/2026         |

## Fall 2026 – EDAM Enhancements 2026 – Page 2 of 2

| Information                                      | Description                                                                                                                                                                                                                                                                                                                                                                                                   | Market Sim Date | Planned Prod Date |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------|
| <b>EDAM Entity DAM Data Access: TSR</b>          | <p>This service enables EDAM entities to access a detailed breakdown of how transmission customers plan to exercise their capacity, for Trading Hour, Transfer Location, CRN Reference, and SC:</p> <ul style="list-style-type: none"> <li>• The CRN capacity held by the customer (CRN)</li> <li>• Capacity exercised (EXR)</li> <li>• Capacity released (REL)</li> <li>• Capacity reserved (REV)</li> </ul> | N/A             | 10/29/2026        |
| <b>SIBR RSE Capacity Report future dates</b>     | Entities request that the RSE Capacity Report in SIBR be extended to show future dates (D2-D7). Entity customers with RSE obligations who would receive this information via the Entity support the request.                                                                                                                                                                                                  | N/A             | 10/29/2026        |
| <b>OASIS transmission interface usage report</b> | Entities and ISO teams request to have TSR schedules included with SR schedules (existing) in the Transmission Interface Usage report on OASIS (MIAF-2026-30, CIDI 297268)                                                                                                                                                                                                                                    | 11/4/2026       | 12/08/2026        |
| <b>EDAM Entity DAM Data Access: TCORs/ITCs</b>   | Enable Entities to view the limits they submit to PLC via a UI or a retrieve service. Current PLC implementation is only a pass through. PLC would need to be integrated with EMMS to retrieve the data                                                                                                                                                                                                       | TBD             | December 2026     |
| <b>EDAM Entity DAM Data Access: TDT/GRDT</b>     | Provide visibility to current, non-Entity SC GRDT and TDT. This will be broken into 2 parts. We will focus on part 1 in 2026.                                                                                                                                                                                                                                                                                 | TBD             | Q1 2027           |
| <b>MVT External UI</b>                           | Make MVT tool externally facing to support viewing and commenting on congestion for EDAM Entity. This scope is focused on communication and logging of the interactions, with associated access management.                                                                                                                                                                                                   | TBD             | Q1 2027           |
| <b>LACA/DACA Tools</b>                           | <ul style="list-style-type: none"> <li>• Advanced Voltage Control</li> <li>• AVR regulation for post- contingency</li> <li>• Offline RAS</li> <li>• DACA run abort</li> <li>• Activate RAS in OMS</li> </ul>                                                                                                                                                                                                  | TBD             | Q1 2027           |

# Fall 2026 – EDAM Enhancements 2026 Inter SC

| Project Information | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scope Item          | Inter-SC Trades and Associated CMRI Reports                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Description         | <p>Enable inter-Scheduling Coordinator (SC) energy trading within EDAM and WEIM BAAs. Add IST final trade reporting from SIBR to CMRI for EDAM entity UI and API access.</p> <p><b>Define Trading Hubs and resource association for EDAM and WEIM BAAs</b></p> <p>For each EDAM BAA or WEIM BAA</p> <p>Define the one or more Trading Hubs</p> <ul style="list-style-type: none"> <li>• For CISO, keep existing two Trading Hubs</li> <li>• For EDAM BAA, allow EDAM entity to request one or more trading hubs, if the BAA only have one Trading hub, define trading hub on the DGAP</li> <li>• For EDAM BAA, allow EDAM entity to request trading location to be defined by Master File based up on specific supply resources</li> <li>• For the BAA is in both the EDAM and WEIM, the same Trading hubs are applicable for EDAM and WEIM</li> <li>• For the BAA is in WEIM only, define the trading hub include Participating resource and non-participating resources, same as for DGAP</li> <li>• the Generating resource in each EDAM or WEIM BAA must be associated with one and only one Trading Hub</li> </ul> |
| Impacted Systems    | MF, SIBR, CMRI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BRS                 | <p><a href="#">Version 1.0</a> – 08/17/26</p> <p>Version 0.6 – 6/30/2026</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Market Simulation   | August 4, 2026 – August 21, 2026                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Production          | September 10, 2026 - <b>COMPLETE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BPM                 | Publish PRR: Market Instruments, May 1, 2026                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

| Training Course                                          | Date and time                                         |
|----------------------------------------------------------|-------------------------------------------------------|
| Inter-SC Trades and Q&A Session (EDAM Enhancements 2026) | August 27 <sup>th</sup> , 2026 9:30 am - 11:00 am PST |

# Fall 2026 – EDAM Enhancements 2026 ADS Dispatch

| Project Information | Details                                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------|
| Scope Item          | Auto-provisioning ADS dispatch request                                                                        |
| Description         | Develop new role so that both EDAM and WEIM Entities can view all resource dispatches within their BAA on ADS |
| Impacted Systems    | ADS, AIM, RTM                                                                                                 |
| BRS                 | <a href="#">Version 1.0</a> – 08/17/26<br>Version 0.6 – 6/30/2026                                             |
| Market Simulation   | N/A                                                                                                           |
| Production          | October 15, 2026                                                                                              |
| BPM                 | N/A                                                                                                           |

# Fall 2026 – EDAM Enhancements 2026 CMRI – RTUC Advisory Schedule Report in CMRI

| Project Information | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scope Item          | Entity RTUC Advisory Schedule Report in CMRI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Description         | <p>For EDAM entities, we do not provide access to the HASP advisory information. There is an SC based report, in CMRI, but we need this report to be made available to the Entity, so they can mimic our capability in ITS with their systems.</p> <p>Report Title: <b>EIM Real-Time Unit Commitment (RTUC) Advisory Schedules</b></p> <p>Navigation Path: External Entities &gt; Energy Imbalance Market</p> <p>This report provides an Entity-level view of the RTUC Advisory Schedules for the operating day and prior 7 days. Instead of an SCID filter it contains a BAA level filter.</p> <p>Note: This information is made available to SCs in an existing report located on the Real-Time menu.</p> |
| Impacted Systems    | CMRI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BRS                 | <a href="#">Version 1.0</a> – 08/17/26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Tech Spec           | <a href="#">Version 6.7.9</a> - 08/28/26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Market Simulation   | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Production          | September 30, 2026 - <b>COMPLETE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BPM                 | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

# Fall 2026 – EDAM Enhancements 2026 CMRI - Capacity Allocations Report

| Project Information | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scope Item          | CMRI Capacity Allocations                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Description         | <p>Provide Entities a new CMRI report to support shadow settlement for Balanced Contracted Determinants related to Imbalance Reserve (IR) and Reliability Capacity (RC).</p> <p>Audience: EDAM SCs</p> <p>Report Title: <b>Auxiliary IR and RC Capacity</b></p> <p>Navigation Path: Post Market</p> <p>This report provides SCs with capacity ranges by selected trade date, resources and by Imbalance Reserve and Reliability Capacity commodities.</p> |
| Impacted Systems    | ADS, AIM, RTM                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BRS                 | <a href="#">Version 1.0</a> – 08/17/26                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Tech Spec           | <a href="#">Version 6.7.9</a> - 08/28/26                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Market Simulation   | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Production          | September 30, 2026 - <b>COMPLETE</b>                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BPM                 | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

# Fall 2026 – EDAM Enhancements 2026 ITS -Transfer Location to ITC Mapping

| Project Information | Details                                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------|
| Scope Item          | Transfer Location to ITC                                                                                      |
| Description         | Broadcast Tie to ITC mapping from MF to downstream systems Consume and Process Tie-ITC Mapping from MF in ITS |
| Impacted Systems    | MF, ITS                                                                                                       |
| BRS                 | <a href="#">Version 1.0</a> – 08/17/26<br>Version 0.6 – 6/30/2026                                             |
| Tech Spec           | N/A                                                                                                           |
| Market Simulation   | N/A                                                                                                           |
| Production          | September 29, 2026 - <b>COMPLETE</b>                                                                          |
| BPM                 | N/A                                                                                                           |

# Fall 2026 – EDAM Enhancements 2026 EDAM Entity DAM Data Access: BAAOP

| Project Information | Details                                                                                                                                                                                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scope Item          | EDAM Entity DAM Data Access: BAAOP                                                                                                                                                                                                                                           |
| Description         | Enable EDAM entities to access the set of Day-Ahead Market (DAM) User Interfaces within the BAAOP environment with functional equivalence to CAISO operator access<br>Continue manually generate and post DAM result spreadsheets for EDAM entities, through secured website |
| Impacted Systems    | BAAOP                                                                                                                                                                                                                                                                        |
| BRS                 | <a href="#">Version 1.0</a> – 08/17/26<br>Version 0.6 – 6/30/2026                                                                                                                                                                                                            |
| Tech Spec           | N/A                                                                                                                                                                                                                                                                          |
| Market Simulation   | N/A                                                                                                                                                                                                                                                                          |
| Production          | October 30, 2026                                                                                                                                                                                                                                                             |
| BPM                 | N/A                                                                                                                                                                                                                                                                          |

# Fall 2026 – EDAM Enhancements 2026 Manage Multiple

| Project Information | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scope Item          | Manage Multiple GHG areas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Description         | <p>All <b>Core</b> BRQs in this section related to Multiple GHG Areas have been moved out of the EDAM BRS and into this BRS for the EDAM Enhancements 2026. Development will be required for these BRQs.</p> <ul style="list-style-type: none"> <li>• Define GHG regulation area and network branch association in SGEM</li> <li>• NA loss shall be calculated for each GHG area</li> <li>• Define CLAP for load in each GHG Regulation Area and load outside of all GHG Regulation Areas for both EDAM and WEIM BAA</li> <li>• GHG Bid submission and validation for GHG areas</li> <li>• Calculate base load for WEIM BAA CLAPs using ELAP LDF data in RTBS</li> <li>• Include BAA PBC slack in GHG area import allocation, using LDF for split BAAs</li> <li>• Calculate/Publish ELAP LDFs for WEIM BAAs at LAP level in RTBS.</li> <li>• Consume and publish all EDAM BAA LDFs to EDAM Entities</li> </ul> |
| Impacted Systems    | BAAOP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BRS                 | <p><b>Version 1.1 – planned Late October</b></p> <p><a href="#">Version 1.0</a> – 08/17/26</p> <p><b>Version 0.6 – 6/30/2026</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tech Spec           | TBD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| External Training   | <p><b>GHG Overview – 09/29/2026</b></p> <p><a href="#">Readiness Handbook</a></p> <p><a href="#">Overview presentation</a></p> <p><a href="#">Overview Training</a></p> <p><b>Early November (TBD)</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Market Simulation   | <b>November 2026</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Production          | <b>December 2026</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BPM                 | TBD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

# Fall 2026 – EDAM Enhancements 2026 Allow AS bid change in RT for non-CAISO EDAM Entities

| Project Information | Details                                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Scope Item          | Allow AS bid change in RT for non-CAISO EDAM Entities                                                                                |
| Description         | Allow EDAM resource SC to submit resource ancillary service self-provision hourly bids MW changes in RTM for non-CAISO EDAM Entities |
| Impacted Systems    | SIBR                                                                                                                                 |
| BRS                 | <a href="#">Version 1.0</a> – 08/17/26<br>Version 0.6 – 6/30/2026                                                                    |
| Tech Spec           | N/A                                                                                                                                  |
| Market Simulation   | N/A                                                                                                                                  |
| Production          | September 10, 2026 - <b>COMPLETE</b>                                                                                                 |
| BPM                 | N/A                                                                                                                                  |

# Fall 2026 – EDAM Enhancements 2026 Congestion and Transfer billing Determinants

| Project Information | Details                                                                                                                                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scope Item          | Billing Determinants                                                                                                                                                                                                         |
| Description         | Include all reportable settlement billing determinants related to the DA Congestion Offset (Charge Code 8704) and Type 1 EDAM Transfer Revenues ( Charge Codes 8411 & 8470) in the EDAM Entity's MRI-S Settlement Statement. |
| Impacted Systems    | MRI-S, Settlements                                                                                                                                                                                                           |
| BRS                 | <a href="#">Version 1.0</a> – 08/17/26                                                                                                                                                                                       |
| Tech Spec           | Existing – no change                                                                                                                                                                                                         |
| Training            | November 4, 2026 (will be combined with MS Kickoff meeting)                                                                                                                                                                  |
| Market Sim Plan     | October 20, 2026                                                                                                                                                                                                             |
| Market Simulation   | November 4, 2026                                                                                                                                                                                                             |
| Production          | December 8, 2026                                                                                                                                                                                                             |
| BPM                 | N/A                                                                                                                                                                                                                          |

# Fall 2026 – EDAM Enhancements 2026 OASIS transmission interface usage report

| Project Information | Details                                                                                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scope Item          | Billing Determinants                                                                                                                                                       |
| Description         | Entities and ISO teams request to have TSR schedules included with SR schedules (existing) in the Transmission Interface Usage report on OASIS (MIAF-2026-30, CIDI 297268) |
| Impacted Systems    | DAM, OASIS                                                                                                                                                                 |
| BRS                 | <a href="#">Version 1.0</a> – 08/17/26                                                                                                                                     |
| Tech Spec           | 10/16/2026                                                                                                                                                                 |
| Training            | November 4, 2026 (will be combined with MS Kickoff meeting)                                                                                                                |
| Market Sim Plan     | October 20, 2026                                                                                                                                                           |
| Market Simulation   | November 4, 2026                                                                                                                                                           |
| Production          | December 8, 2026                                                                                                                                                           |
| BPM                 | N/A                                                                                                                                                                        |

# Independent 2026 Releases

Contractual Share for Renewable Forecasting

FERC 881 Track 2: CRR – November

FERC 881 Track 3: AAR in Market Applications\*

\*effective date of Order No. 881 tariff under internal review

Transmission Exchange Agreement Renegotiation

FERC 2023 Generator Interconnection Life Cycle

DACA As A Service Implementation – October

RC Forecast & Schedules Data Reporting Automation

*Storage Design & Modeling*

✓ *Automatic Acceptance of Outage Change Requests*

*Power Minimum Rerates on Test Energy Cards*

# Contractual Share for Renewable Forecasting

## Business Opportunity

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>What:</b>                                     | <p>Business processes and system changes are needed to support the implementation of renewable contractual share-based resources with the possibility of a preferential order. System changes to accommodate forecasting requests of contractual share.</p> <p>This initiative will deliver the business process and system enhancements necessary to support the implementation of renewable contractual share-based resources, including the potential for a preferential order. These changes will enable CAISO to accommodate contractual share forecasting requests and ensure the continued integrity of existing renewable forecasting for both Persistence and external forecasting service providers (FSPs).</p> <p>From a business perspective, this effort will:</p> <ul style="list-style-type: none"><li>• Enable new renewable forecasting capabilities that incorporate contractual share percentages.</li><li>• Maintain the accuracy and reliability of current renewable forecasting processes and systems for Persistence and external FSPs.</li></ul> <p>To achieve this, new data elements will be introduced, including the storage and management of contractual percent share information for applicable resources.</p> |
| <b>Who does this opportunity/problem impact:</b> | <p>This will have impacts to the following areas:</p> <ul style="list-style-type: none"><li>• VER Market Participants</li><li>• Forecasting (ALFS/ALFSOA, PIWS)</li><li>• Real time Operations (Siemens Market System RTD)</li><li>• Resource Management (MF)</li><li>• Forecast Service Providers</li><li>• Outages (WebOMS)</li><li>• Resource Adequacy</li><li>• NRI (RIMS System)</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Milestones</b>                                | <p><b>Market Simulation – 8/17/26 – Oct 2026</b></p> <p><b>Production – Oct 2026</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

# 2025-27 – FERC 881 – Managing Transmission Line Ratings

| Project Information      | Details/Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                               |        |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------|
| High Level Project Scope | This initiative will address the California ISO’s compliance with FERC Order No. 881 in establishing new transmission line rating requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                               |        |
|                          | Order No. 881 establishes new transmission line rating requirements for public utility transmission providers <ul style="list-style-type: none"><li>Establish and use ambient-adjusted ratings and seasonal ratings for all transmission lines unless excepted<ul style="list-style-type: none"><li>Use AARs for near-term transmission service requests</li><li>Use seasonal rating for long-term transmission service requests</li></ul></li><li>RTOs/ISOs must implement systems and procedures to allow transmission owners to electronically update transmission line ratings at least hourly</li><li>Use uniquely determined emergency ratings for contingency analysis in the operations horizon and in post-contingency simulations of constraints</li><li>Implement transparency reform</li></ul> |                                                               |        |
| Milestone Type           | Milestone Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Dates                                                         | Status |
| Tariff                   | FERC Acceptance ER22-2362                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Apr 20, 2023                                                  | ✓      |
|                          | FERC Acceptance Tariff Revisions ER22-2362                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Dec 13, 2023                                                  | ✓      |
|                          | FERC granted extension of time from 06/15/2025 until 12/17/2026 to implement the requirements of Order Nos. 881 and 881-A1 etc. under ER22-2362                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Apr 30, 2025                                                  | ✓      |
|                          | FERC acceptance of ER-1246                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Apr 30, 2025                                                  | ✓      |
| BRS                      | Publish BRS – Track 1 (Updates & Added FAC-011)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Jun 11, 2024                                                  | ✓      |
|                          | Publish BRS – Track 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Nov 22, 2024                                                  | ✓      |
|                          | Publish BRS – Track 2 (Updates)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Apr 04, 2025                                                  | ✓      |
|                          | Publish BRQ – Track 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Jun 23, 2025                                                  | ✓      |
| Tech Spec                | webLineR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Nov 24, 2024                                                  | ✓      |
| Market Simulation        | Track 2 - Full - webLineR UI & API, Unstructured Tests                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Apr 14, 2025 – Jun 30, 2025                                   | ✓      |
|                          | Track 3 - TR four seasons update                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Nov 11-17, 2025                                               | ✓      |
|                          | Track 2 - webOMS - Visual UI changes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Oct 08-24, 2025                                               | ✓      |
|                          | Track 2 – CRR Four Seasons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | No UI Changes                                                 |        |
|                          | Track 3 - BAAOP - Visual UI changes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Q4 2026                                                       |        |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                               |        |
| Production               | Track 1 - Real-Time Reliability Applications - Activation with Track 2 webLineR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Jul 12, 2025                                                  | ✓      |
|                          | Track 2 - webLineR Active; can receive seasonal & AARs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Jul 07, 2025                                                  | ✓      |
|                          | Track 3 - TR four season update                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Nov 04, 2025                                                  | ✓      |
|                          | Track 2 - webOMS four seasons update                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Nov 19, 2025                                                  | ✓      |
|                          | Track 2 - CRR four seasons update                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | November 2026                                                 |        |
|                          | Track 3 - AAR in Market Applications & EMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Effective date of Order No. 881 tariff under internal review. |        |

# CAISO/RCWEST FERC 881 Implementation:

- Track 1 and Track 2 are in flight to be completed by November 2026.
  - **Track 1 – Real Time Reliability Applications**
    - ✓ Target Capability ready by end of December 2024.
    - ✓ Final changes went active with webLineR production
  - **Track 2 – Operational/EMS Model Data and Applications**
    - ✓ webLineR product utilized for receiving Look ahead ratings.
    - ✓ webLineR went into Production July 2025
    - ✓ TR updated to accept and display four-season submissions Nov 2025
    - ✓ webOMS updated to display four-seasons Nov 2025
    - CRR updated to display four-seasons Nov 2026
  - **Track 3 – Market Application and Look Ahead Applications**
    - Proposing realignment of phased in implementation.
    - Effective date of Order No. 881 tariff under internal review.

# 2026 – Transmission Exchange Agreement-Renegotiation

| Project Information                        | Details/Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>High Level Business Problem or Need</b> | <p>The ISO is committed to develop a process or system that allows Western Area Power Administration – Sierra Nevada Region (“WAPA”) to resell some or all of their 400 MW ownership rights on the PACI#1 line to other SCIDs and retain the perfect hedge and scheduling priority to further contract negotiations to extend the term of the Transmission Exchange Agreement.</p> <p>The Transmission Exchange Agreement (“TEA”) with WAPA-SNR, PG&amp;E and ISO is scheduled to expire 9/30/2024. A term of the original agreement executed in 2004, was that the ISO would develop a system that allowed WAPA to sell their unused capacity on their line. This project provides solution to the scheduling issue which needs to be in place by June 2024 to ensure that the ISO has solved the problem and support filing an amendment and extension of the TEA at FERC.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>High Level Project Scope</b>            | <ul style="list-style-type: none"> <li>• WAPA needs functionality to sell their TOR to other parties on their OASIS.</li> <li>• If the TOR rights are sold, then WAPA will notify the CAISO to provide the purchaser the hedging and scheduling priority opportunity provided all ETCs/TORs.</li> <li>• The market and settlement systems need to be able to move the Contract Reference Number (“CRN”) from the WAPA CRN to the purchaser SCIDs so that the settlement to the purchaser SCID reverses the costs of the transmission access charge and congestion (aka the perfect hedge) and provides a high scheduling priority in the IFM and RTM.</li> <li>• WAPA will not take on the obligation to settle with their purchaser.</li> <li>• WAPA can sell any increments of MWs up to their 400 MW ownership rights. Therefore, the solution needs to be flexible enough to allow the “existing” TORs to vary the MWs capabilities. [Note: The MW increments to be sold can be no less than 5 MW.]</li> <li>• WAPA’s functionality allows them to schedule between Malin and Round Mountain, Malin and PG&amp;E DLAP, and Malin and Tracy. This would be the source and sink that that functionality needs to provide.</li> <li>• If there are outages on the line, the curtailment should be consistent with current practice.</li> </ul> |
| <b>BPM Changes</b>                         | Settlements Configuration Guides                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Tariff Changes</b>                      | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Impacted Systems</b>                    | AIM, MF, CMRI, ETCC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

# 2026 – Transmission Exchange Agreement

| Milestone Type               | Milestone Name                                                                                                       | Dates                       | Status |
|------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------|--------|
| External BRS                 | Post External BRS                                                                                                    | Sep 03, 2024                | ✓      |
| BRS                          | Provide to WAPA                                                                                                      | Jan 23, 2024                | ✓      |
| Settlements<br>Config Guides | Tech Doc                                                                                                             | Feb 12, 2024                | ✓      |
|                              | 1st Draft Config File & Release Component Summary                                                                    | Mar 04, 2024                | ✓      |
| Tech Spec                    | Create ISO Interface Specifications – CMRI                                                                           | Mar 26, 2024                | ✓      |
|                              | UI: The current CMRI CRN report is not being changed. WAPA will be able to see Sub CRNs mapped to its own Parent CRN |                             |        |
| Tariff                       | NA                                                                                                                   | NA                          |        |
| BPMs                         | Draft BPM changes – Settlements & Billing PRR 1559                                                                   | Mar 20, 2024                | ✓      |
| Market Simulation            | Market Simulation – WAPA                                                                                             | Aug 08, 2026 - Oct 29, 2026 |        |
| Production<br>Activation     | Transmission Exchange Agreement - Renegotiation                                                                      | Nov 1, 2026                 |        |

# 2026 – FERC 2023 Generator Interconnection Life Cycle

| Project Information                 | Details/Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| High Level Business Problem or Need | Effective with Cluster 15, the resource interconnection process will transition to maintain compliance with FERC Order 2023 using a new platform GRIP. This mandate will streamline the intake of generator interconnection requests, study processes, contracting and management of the queue.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| High Level Project Scope            | <p>Align the following Cluster 15 resource Interconnection processes to meet compliance of FERC Order 2023 tariff provisions:</p> <ul style="list-style-type: none"> <li>- Transition from GIDAP to new Resource Interconnection Standard (RIS) procedures</li> <li>- Initiate Cluster Request Window for Interconnection Request (IR) submission, Customer Engagement Window, Cluster Study process including scoping and results meeting, Reassessment process, Contracting and Queue Management</li> <li>- Increase transparency of information to customers and public</li> </ul> <p>Cluster 14 and prior will initially remain in RIMS but will migrate to GRIP in 2027</p>                                                                                                                                         |
| Releases                            | <p>Release 1 of this project opened the IR Cluster Request Window from October 1 to December 1, 2024. Since then, subsequent releases in 2025 and Q1/Q2 2026 focused on meeting several business requirements deployed in the Grid Interconnect (GIC) Study Manager (SM) modules.</p> <p>GIC Module Release 4.2 completed in PROD on 06/25/26.</p> <p>GIC Release 4.3 and SM Release 12 completed in PROD on 07/28/26.</p> <p>GIC Module Release 5.0 completed in PROD on 09/03/26.</p> <p>GIC Module GIC 5.1/GIA 2 completed in PROD on 10/01/26</p> <p><b>Next release SM 14 planned for 10/22/2026.</b></p> <p>This is an Agile project, therefore further GridUnity releases will be added for Grid Interconnect (GIC) modules throughout 2026. The functionality for the remaining quarter is under discussion.</p> |

# 2026 – DACA As A Service (DAAS)

| Project Information                        | Details/Date                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>High Level Business Problem or Need</b> | With the implementation of Extended Day Ahead Market (EDAM), new EDAM entities are seeking a tool to provide them with a capability to perform their own Day Ahead Contingency Analysis (DACA) executions. The new application called DAAS (DACA as a Service) provides a subscription-based solution enabling EDAM entities to perform reliability studies for their own balancing areas. |
| <b>High Level Project Scope</b>            | <ul style="list-style-type: none"> <li>Implement the new DAAS application and supporting technology to provide external access to DAAS</li> <li>Implement processes and functions to support billing/invoicing and cash clearing for annual DAAS subscription fees</li> </ul>                                                                                                              |
| <b>BPM Changes</b>                         | EDAM BPM<br>Settlements and Billing BPM<br>Settlement Config Guide – CC 5811                                                                                                                                                                                                                                                                                                               |
| <b>Tariff Changes</b>                      | Yes                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Impacted Systems</b>                    | DAAS, MF, Settlements, MRIS                                                                                                                                                                                                                                                                                                                                                                |

| Milestone Type                       | Milestone Name                                                                                            | Dates                         | Status |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------|--------|
| <b>DAAS User Guide</b>               | Provide Subscribers DAAS Application User Guide                                                           | June 8, 2026                  | ✓      |
| <b>Draft Settlement Config Guide</b> | Post Draft Tech doc – Charge Code 5811                                                                    | June 16, 2026                 | ✓      |
| <b>Tech Spec</b>                     | NA                                                                                                        | NA                            |        |
| <b>Tariff</b>                        | Filing: Amendment to Support Implementation of DAME/EDAM Initiative ER26-1294<br>FERC Approval ER26-1294  | Feb 6, 2026<br>Apr 8, 2026    | ✓<br>✓ |
| <b>BPMs</b>                          | EDAM BPM<br>Settlements and Billing BPM                                                                   | May 1, 2026<br>August 1, 2026 | ✓<br>✓ |
| <b>Market Simulation</b>             | Market Simulation – PAC and PGE<br>DAAS Application<br>Settlement – MRIS Connectivity                     | June 8, 2026<br>July 15, 2026 | ✓<br>✓ |
| <b>Production Activation</b>         | DAAS Application Go live for 10/1/26 Operating Day – pending payment receipt<br>Settlement effective date | Sep 21, 2026<br>Oct 1, 2026   | ✓<br>✓ |

# 2026 – RC Forecast and Schedules Data Reporting Automation

| Project Information                        | Details/Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>High Level Business Problem or Need</b> | <ul style="list-style-type: none"> <li>The purpose of this project is to implement an externally-facing reporting functionality based on load forecast, generation forecast, and contingency reserve data that is submitted daily from Reliability Coordinator (RC) customers and adjacent RCs. This reporting functionality should show the entity which errors for lack of submission are present. This data is requested as a part of the North American Electric Reliability Corporation (NERC) Standard IRO-010 in order for RC West to run operational performance analysis in accordance with NERC Standards IRO-008 and TOP-002. Phase One is focused on reporting automation to show RCs and adjacent RCs which errors for lack of submission are present for load forecasting and contingency reserve data.</li> </ul> |
| <b>High Level Project Scope</b>            | Automate the reporting of RC related data submissions that may be in error to allow the customer to monitor, and thereby correct, said submissions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>BPM Changes</b>                         | <b>None</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Tariff Changes</b>                      | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Impacted Systems</b>                    | Internal Systems: ALFS, CMRI, CNS, EIDE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

| Milestone Type           | Milestone Name                                          | Dates        | Status |
|--------------------------|---------------------------------------------------------|--------------|--------|
| <b>BRS</b>               | BRS                                                     | Mar 02, 2022 | ✓      |
| <b>Tech Spec</b>         | NA                                                      | NA           | NA     |
| <b>Tariff</b>            | NA                                                      | NA           | NA     |
| <b>BPM</b>               | NA                                                      | NA           | NA     |
| <b>Market Simulation</b> | <b>Market Simulation</b>                                | NA           | NA     |
| <b>Production</b>        | <b>Production Phase 1a</b><br><b>Production Phase 2</b> | TBD<br>TBD   |        |

# Spring 2027 Release

Resource Adequacy Modeling & Program Design - Resource Visibility  
Greenhouse Gas Coordination Accounting & Reporting  
*Resource and Transmission Implementation*

# Resource Adequacy Modeling & Program Design - Resource Visibility

## Business Opportunity

### What:

Enhance the ISO's resource adequacy processes by improving visibility into resources available for procurement through the ISO's backstop measures. Obtaining this information will better inform the ISO's Capacity Procurement Mechanism processes and is a first step in a multi-phase effort to enhance the effectiveness of the ISO's backstop processes.

# Greenhouse Gas Coordination Accounting & Reporting

## Business Opportunity

### What:

Evolve the design of a greenhouse gas (GHG) emissions accounting report available to market participants to support compliance with state, local, or corporate GHG reduction targets. The approach overlays ownership and contract data with market dispatch results to produce data that allow reporting entities to see and understand the emissions intensity of their portfolio. This data increases the transparency of GHG emissions generated in the Western Energy Imbalance Market and Extended Day Ahead Market footprint.

# Resource and Transmission Implementation

## Business Opportunity

|                                           |                                                                                                                                                                                                                                                                                               |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| What:                                     | The purpose of the Resource and Transmission Implementation project is to enhance the existing RIMS platform and rebuilding key functionality through a phased, module-based modernization within a new UI framework to improve maintainability, workflow management, and project visibility. |
| Who does this opportunity/problem impact: | Resource owners (including developers, consultants, GOPs, SCs), PTOs, WEIM participants (BAs, TOs), RC Participants (BAs, TOPs)                                                                                                                                                               |
| Milestones & Releases                     | <p>Training – Yes<br/>Market Simulation – Yes.<br/>Production –</p> <ul style="list-style-type: none"><li>• Release 1 – Western Energy Markets (WEM)- April'27</li></ul> <p><b>This is an Agile project; therefore, further releases will be added for modules throughout 2027.</b></p>       |
| Systems                                   | <b>RIMS, GRIP, AIM</b>                                                                                                                                                                                                                                                                        |

# Storage Design & Modeling – Outage Management

|            |                                                                                                                                                                                                        |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Initiative | This initiative explores enhancements to energy storage market design, modeling, and processes. One of the four topic groups is Outage Management.                                                     |
| Topic      | (1) Outage management: Enhance ISO business practices and systems to better reflect the unique characteristics of battery storage resources and their impacts on outages and operational capabilities. |

| Outage Enhancements                                                                                                    | Release Status      | Release Timing                   |
|------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------------|
| Automatic acceptance of outage change requests                                                                         | Implemented in 2026 | 4/17/26                          |
| Power minimum rerates on test energy cards                                                                             | Planned for 2026    | By EOY 2026                      |
| Improvements to out-of-service checkbox functionality                                                                  | Future              |                                  |
| Partial outages for non-generation services<br>(Allow non-null values for non-generation outages (ancillary services)) | Future              |                                  |
| Overlapping outage cards                                                                                               | No longer exploring |                                  |
| Nonlinearity (foldback)                                                                                                | Future              | Target Planning start in Q4 2026 |

# Fall 2027 Release

EDAM Onboarding BANC  
EDAM Onboarding LADWP  
EDAM Onboarding PNM  
EDAM Onboarding TID

*Resource and Transmission Implementation*

# Fall 2027 – EDAM BANC, LADWP, PNM, TID

| Project Info                 | Details/Date                                                                                                                                                                                                                                                                                                                         |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Software Changes | System modifications as needed to accommodate any unique needs to support EDAM onboarding for: <ul style="list-style-type: none"> <li>• Balancing Area of Northern California</li> <li>• Los Angeles Department of Water and Power</li> <li>• Public Service Company of New Mexico</li> <li>• Turlock Irrigation District</li> </ul> |
| BPM Changes                  | EDAM BPM will be updated if needed to reflect changes identified during the onboarding and as required to reflect the unique processes of the 2027 Entities.                                                                                                                                                                         |
| Market Simulation            | March 15, 2027 - June 11, 2027                                                                                                                                                                                                                                                                                                       |
| Parallel Operations          | June 28, 2027 – September 3, 2027                                                                                                                                                                                                                                                                                                    |

| Milestone Type      | Milestone Name                        | Dates                             | Status   |
|---------------------|---------------------------------------|-----------------------------------|----------|
| Market Simulation   | Market Simulation Window              | March 15, 2027 - June 11, 2027    | On Track |
| Parallel Operations | Parallel Operations                   | June 28, 2027 – September 3, 2027 | On Track |
| Tariff              | N/A (filed as part of Implementation) | N/A                               | N/A      |
| Production          | Activation                            | September 30, 2027                | On Track |

# Resource and Transmission Implementation

## Business Opportunity

|                                                  |                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>What:</b>                                     | The purpose of the Resource and Transmission Implementation project is to enhance the existing RIMS platform and rebuilding key functionality through a phased, module-based modernization within the REACT framework to improve maintainability, workflow management, and project visibility. |
| <b>Who does this opportunity/problem impact:</b> | <b>External:</b> Resource owners (including developers, consultants, GOPs, SCs), PTOs, WEIM participants (BAs, TOs), RC Participants (BAs, TOPs)                                                                                                                                               |
| <b>Milestones &amp; Releases</b>                 | Training – Yes<br>Market Simulation – Yes.<br>Production – <ul style="list-style-type: none"><li>• Release 2 – Western Interconnection Modeling (WIM) – Fall'27</li></ul> <b>This is an Agile project; therefore, further releases will be added for modules throughout 2027 &amp; 2028</b>    |

# Future Releases

Settlement Upgrade Project

Enhanced Curtailment Calculator (ECC) Expansion for Western Interconnect SOL

NERC Reliability Standard CIP-003-11



# Settlement Upgrade Project

# Settlement Upgrade Project – Status

- Market Simulation 11/1/27 – 2/11/28
- Parallel Operations 3/1/28 – 4/28/28
- Production 5/1/28

# Settlement Upgrade Project – Overview

- The current settlement system, implemented in 2008 as part of the Market Redesign and Technology Upgrade (MRTU) implementation, is nearing its end of life. The CAISO is upgrading existing settlement applications to approved architectural and information security standards.
- Benefits for our customers include:
  - Improved business efficiency
  - Better gathering and analysis for data and front-end improvements for customers interacting with CAISO Settlement Systems
  - Increased transparency for some calculations
  - Accommodating data processing increases resulting from new market products and an increase in market participants
  - Ability to perform complex settlement calculations

# Settlement Upgrade Project – Targeted Goals

- The ISO will work closely with our market participants to ensure seamless transition from e-Terra 2.5 to 3.0 configuration output file.
- The ISO will leverage the Settlement User Group and Technical User Group for participants to ask more technical questions.
- The ISO will provide an environment with production-like data allowing customers to validate changes.
- The system will provide settlement outputs in various file formats, allowing all customers to access and use the data in day-to-day operations.
- The ISO will strive to make formulas and inputs transparent to enable market participants to monitor and/or validate settlement results.
- The ISO will provide market participants with an extended market simulation and timely support to the market participants and their vendors during the testing phase.

# Settlement Upgrade Project – Targeted Goals (continued)

- From a vendor perspective:
  - ISO will provide third party vendors with support during the transition period.
  - ISO will provide an extended market simulation and/or parallel statements and invoices during the transition period so vendors can resolve defects on their systems.
  - ISO will provide open communications to resolve settlement differences through a customer forum.

# Settlement Upgrade Project – Status

- The ISO continues reviewing the overall schedule for implementation.
- The implementation will take place after EDAM and DAME implementation.
- ISO will provide quarterly updates for the implementation for now and will ultimately increase the frequency of updates and the depth of information provided accordingly as we proceed
- The updates will be provided in the Release User Group and Settlement User Group
- To help ensure alignment of our communications between these two forums, this same update was provided in the next Settlement User Group call
- For comments or questions, please submit CIDI cases

# NERC Reliability Standard CIP-003-11

- Registered Generator Owners who connect to CAISO's Energy Communication Network (ECN) will be expected to be able to demonstrate compliance with NERC Reliability Standard CIP-003-11 by July 1, 2029.
- That may seem like a long way off, but major changes are coming to requirements for network security for Bulk Electric System (BES) Cyber Systems categorized as low impact for generation stations.
- CIP-003-11 will require implementation of additional controls for user authentication, protecting remote access, and detecting malicious communications.
- WECC will present on this topic at the [Reliability & Security Workshop](#) in Scottsdale, Arizona, October 27 and 28.

[CIP-003-11](#)

# Ways to participate in releases

- **Next Release User Group Forum is October 27, 2026**

- Visit the Release Planning page
  - <http://www.caiso.com/informed/Pages/ReleasePlanning/Default.aspx>
- Attend meetings
  - Release Users Group (RUG) bi-weekly meetings
    - Initiative status updates
    - System change updates on releases
    - Technical User Group updates
  - Market Simulation calls
    - Visit the ISO calendar at [www.caiso.com](http://www.caiso.com) for meeting dates and times and add events to your calendar
    - Typically held on Mondays and Thursdays
  - Market Performance and Planning Forum
    - Quarterly review of market performance topics
    - High level discussion of release planning, implementation and new market enhancements

# POLICY UPDATE

# Commitment cost bidding flexibility

- Revisiting with stakeholders the 2018 *commitment cost and default energy bid* changes that expanded the ability for resources to bid in their commitment costs, paired with a new test for market power associated with those offers.
  - Changes have not been implemented nor filed with FERC.
- The ISO is working with stakeholders in 2026 to:
  - Provide education of approved changes including potential commercial impacts – workshops were held in March and June and are expected to continue as we work to refine the implementation design.
  - Vet with stakeholders proposed implementation to validate consistency with approved policy.
- Proposed decisional classification: TBD if decision is necessary.

# Demand and distributed energy market integration

- Design focus in 2026:
  - Recognize end-use customer exports within a demand response aggregation so long as the aggregated resource does not export.
    - Draft final proposal published in July; we are taking some time to address stakeholder feedback, outstanding policy and implementation issues, and to explore the implications of recent legislation such as SB913.
  - Growing large-load needs warrant reprioritizing and resequencing the remaining work.
    - Policy development on demand flexibility enhancements is paused and expected to resume in 2027.
    - Working group: Timing being assessed for the real-time demand and pumped-load bidding working group.
    - The ISO's near-term focus will shift to market visibility, forecasting, and integration of large loads.
- Proposed decisional classification: primary authority of the WEM Governing Body.

# Resource adequacy design development

- Track 2: Second revised straw proposal published end of September, received comments mid-October.

## Track 1: Modeling & Default Rules

- Loss of load expectation modeling.
- Updated default planning reserve margin and default counting rules.

## Track 2: Outage and Substitution & Availability and Performance Incentives

- Updating outage and substitution processes.
- Reforming availability and performance incentives.

## Track 3: Visibility and Backstop Reform

- Increase the ISO's visibility into available backstop capacity (3A).
- Increase transparency to stakeholders on backstop decision making.
- Update the current backstop product.
- Create longer-term solutions for the CAISO balancing authority area around curing deficiencies and assigning costs related to the EDAM resource sufficiency evaluation.

Decisional classification: ISO Board of Governors

# Storage design and modeling

- Revised straw proposal on default energy bids posted September 2026.
  - Further develops the time-of-day approach, a methodology that can be readily used by WEIM-only resources and applies a time-of-day multiplier that supports state-of-charge management efforts and captures changing opportunity costs.
  - Refines the greater-of default energy bid methodology for hybrid resources and provides data on the hybrid fleet's composition.
    - A hybrid resource's default energy bid would be equal to the greater-of the default energy bid values applicable to each of the components that make up 30% or more of that hybrid resource.
- Proposed decisional classification for the items detailed above: primary authority of the WEM Governing Body.

# Price formation enhancements (PFE)

- PFE has operated under a two-track framework
  - Track 1 advanced near-term changes on balancing authority area (BAA)-level market power mitigation and incremental scarcity pricing; a revised straw proposal was posted July 2.
  - Track 2 considered longer-term changes, including comprehensive scarcity pricing and BAA-level mitigation for the ISO BAA.
- Based on stakeholder feedback and further design work, the ISO is taking additional time to develop a more integrated PFE proposal
  - The next phase will consider interaction among BAA-level market power mitigation, treatment of the ISO BAA, and broader scarcity pricing enhancements.
  - Given these interactions, the ISO expects to bring the track 1 and track 2 concepts together in the next phase of policy development, rather than continue advancing them on separate paths.
- Next stakeholder milestone
  - Stakeholder meeting in November to preview and discuss the concepts under consideration.
  - Discussion paper targeted for December, informed by stakeholder input from that meeting.
- Proposed decisional classification: primary authority of the WEM Governing Body

# Congestion revenue rights (CRR) enhancements

- The design development is focusing on key challenges:
  - Improving revenue adequacy and auction efficiency.
  - Updating how CRR products are defined to better align with evolving hedging needs.
    - Breaking existing on-peak period into more granular “time of use” periods.
    - Allowing storage locations as a sink to hedge storage charging.
- Initiative activity:
  - Phase 1 is pursuing informing CRR releases with enhanced loop flow modeling authority, which will improve revenue adequacy
    - Phase 1 was approved by the ISO Board of Governors in July 2026, allowing implementation in time for the 2027 annual CRR process
  - Phase 2 will continue discussions in Q3 2026 on auction efficiency, product definition, and additional measures for improving revenue adequacy
- Proposed decisional classification: ISO Board of Governors

# Extended day-ahead market (EDAM) congestion revenue allocation

- Phase 2 of the initiative focuses on development of a long-term durable congestion revenue allocation design and potential near-term enhancements.
- This phase of the initiative began in December 2025.
- Working group has established broad consensus on design principles as reflected in stakeholder comments.
- Working group held a series of meeting dedicated to evaluation of discrete design concepts, including more recently two meetings to discuss a simultaneous feasibility framework across the EDAM footprint for congestion revenue allocation.
- Now targeting a straw proposal in Q1 2027, to allow more time for additional working group meetings through Q4 2027 to continue to develop and shape a viable design to inform a formal proposal.
- Proposed decisional classification: TBD

# Intertie schedule modeling enhancements

- FERC approved tariff clarifications on April 8 regarding intertie schedule modeling on ISO balancing area interties supporting a transitional design for EDAM launch.
- The ISO launched stakeholder workshops in March to consider evolution of the design for modeling intertie schedules for the CAISO balancing area.
- Recurring workshops are discussing modeling of schedules at CAISO balancing area interties and phasing out of intertie bidding at CAISO EDAM internal interties.
- Next workshop will be scheduled in early November.
- Proposed decisional classification: TBD

# 2026 market policy catalog & roadmap

- **September 24:** Draft 2027-2029 market policy roadmap released for stakeholder review
- **September 24 - October 30:** Stakeholder comment period
- **October 1:** Stakeholder meeting
- **October 5:** Regional Issues Forum briefing
- **October 10:** Body of State Regulators briefing
- **Mid-November:** Final 2027-2029 market policy roadmap released
- **November 17:** Stakeholder meeting

# Market design initiative process



[Learn more in the Stakeholder Process Guide.](#)

For an overarching view of where each initiative is in the development process, view the [Policy Initiatives Timeline](#) (updated weekly).

## Initiatives

To learn more about an initiative and find important documents and meeting materials, search or select from the list below.

To view the 2026 process timeline and policy initiative catalog, visit the [2026 Market policy catalog and roadmap process](#).

For an overarching view of where each initiative is in the development process, view the [Policy Initiatives Timeline](#) (updated weekly).

**Learn how to use the commenting tool:**



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 [Recent initiative documents](#)

 [Miscellaneous meetings](#)

# **Extended Day-Ahead Market Performance September Report**

Market Performance and Advanced Analytics

# Executive Summary

- Overall, day-ahead market continues to perform well through summer conditions
- However, results should be viewed as preliminary and subject to adjustments
  - Results from May through September reflect a transition to a new market design
  - Market participants adapting and learning about the EDAM/DAME features
  - Ongoing resolution of identified issues in market outcomes and settlements
  - Summer conditions for the month of September reflected in market trends
- This report provides an overview of market performance during September.
- This is the fifth of six-monthly performance reports

# Executive Summary

- Summer conditions subsided in September, shifting patterns, while EDAM areas maintained sufficient supply to meet load obligations
- The ISO area reached its highest load of the year, peaking at 50,335 MW on September 9
- The ISO balancing area did not have any issues to reliably meet this peak load
- Monthly average prices declined from August levels, falling from \$53/MWh to \$45/MWh in CAISO, from \$46/MWh to \$31/MWh in PACE, and from \$43/MWh to \$36/MWh in PACW
- CAISO area increased import transfers as summer progressed, while PACE emerged as a net exporter

# Executive Summary

- Total CAISO wholesale energy costs decreased to \$1 billion in September from \$1.3 billion in August, averaging \$51.4/MWh
- Imbalance reserve procurement significantly reduced manual operator adjustments, lowering its use from 65% to 11% of hours and reducing average peak adjustments from 3,000 MW in 2025 to 100 MW in 2026
- Upward imbalance reserve awards deployed in real time averaged 13 percent in CAISO, 59 percent in PACE, and 19.1 percent in PACW
- Congestion decreased to \$52.7 million in September, driven entirely by CAISO constraints and a return to northbound flows
- PAC received a net congestion revenue allocation of \$400K in September, reflecting payback associated with original congestion charges from providing prevailing flows

# Executive Summary

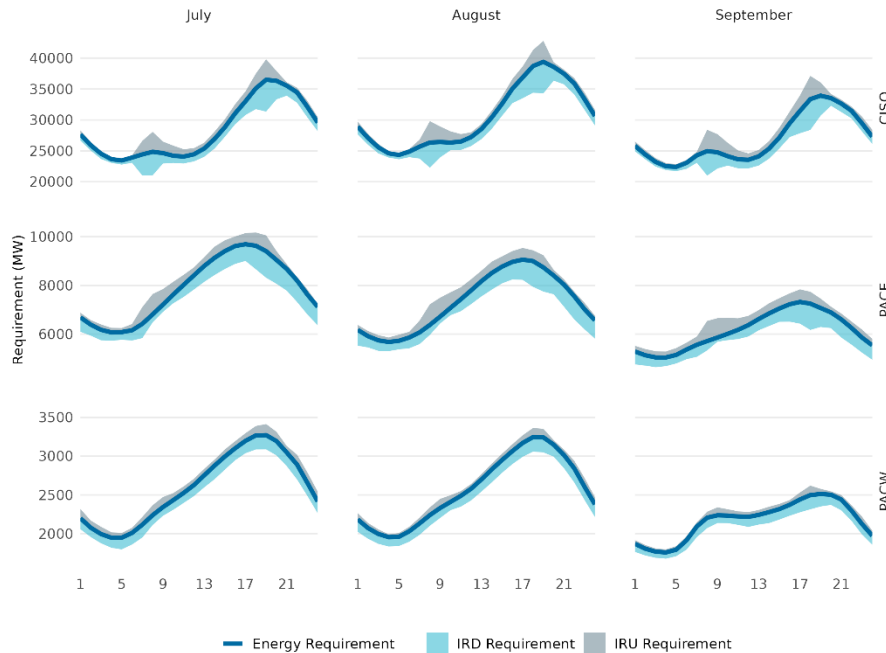
- CRR revenue adequacy has remained above 100% (surplus) since May, CRR auction efficiency in September reached 62%
- Since EDAM launch, monthly costs have averaged approximately \$3.9 million for imbalance reserves and \$8.2 million for reliability capacity
- Based on early EDAM performance assessments, the ISO implemented a storage management enhancement in the RUC process effective October 1, 2026
- Three market issues were identified since the last report including GHG Reference Point for Multi-Stage Generators.

# Stakeholder comments on August report and analysis

- Pacific Gas & Electric Company submitted written comments
  - The ISO has provided responses in the September report
  - As part of the ISO's commitment to transparency and to incorporate suggestion from participants' feedback, the August report now includes additional metrics and analysis, including:
    - Frequency of IR and RC prices
    - Deeper analysis of Imbalance Reserve performance
    - Analysis of interplay between RUC adjustments and IR
- September report includes a section of summer conditions
- The ISO will continue to expand the scope of analysis for EDAM/DAME in future reports

# Market Performance for September

# All areas in EDAM had sufficient supply to meet their load obligations during high-load summer conditions



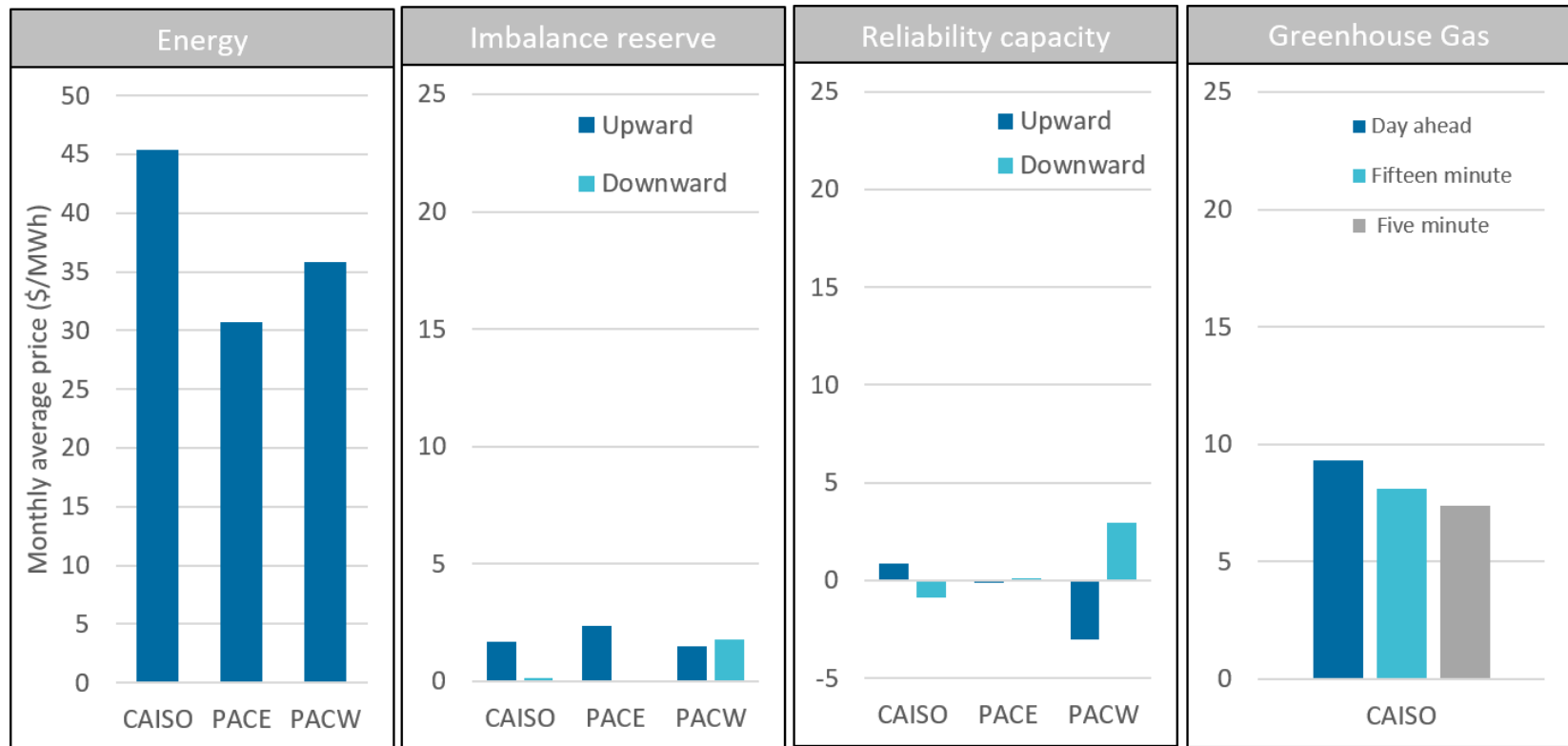
The extended day-ahead market includes a resource sufficiency evaluation

In September, all areas passed the test all hours

|            | IRU RSE Passing Rate (%) |      |      |        |           | IRD RSE Passing Rate (%) |      |      |        |           |
|------------|--------------------------|------|------|--------|-----------|--------------------------|------|------|--------|-----------|
|            | May                      | June | July | August | September | May                      | June | July | August | September |
| <b>BAA</b> |                          |      |      |        |           |                          |      |      |        |           |
| CAISO      | 100                      | 100  | 100  | 100    | 100       | 100                      | 100  | 100  | 100    | 100       |
| PACE       | 100                      | 100  | 100  | 100    | 100       | 100                      | 100  | 100  | 100    | 100       |
| PACW       | 98.92                    | 100  | 100  | 100    | 100       | 99.87                    | 100  | 100  | 100    | 100       |

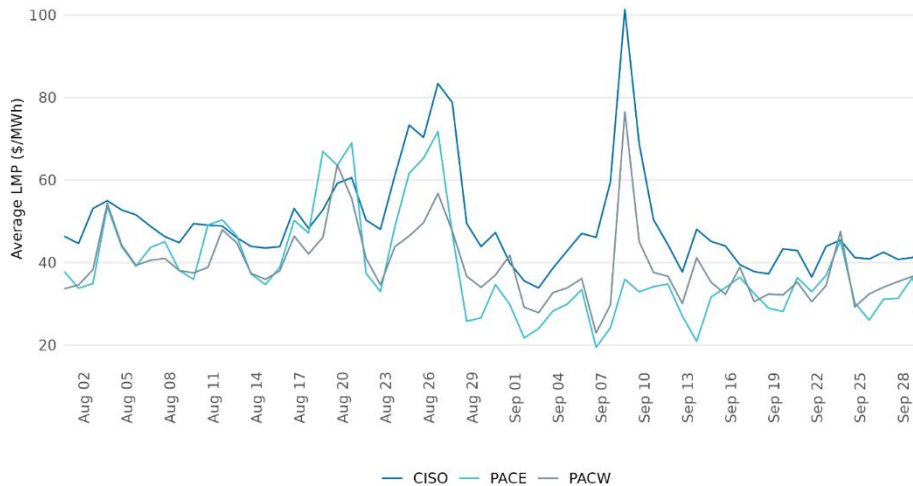
\*The June 17 PACE RSE failure was deemed invalid due to the consideration of commitment costs in the RSE and is excluded from the June statistics.

# Prices for all commodities are within expected economic ranges and seasonally consistent in September



The extended day-ahead market prices show explicitly the economic value of flexibility, reliability reserves and greenhouse gas

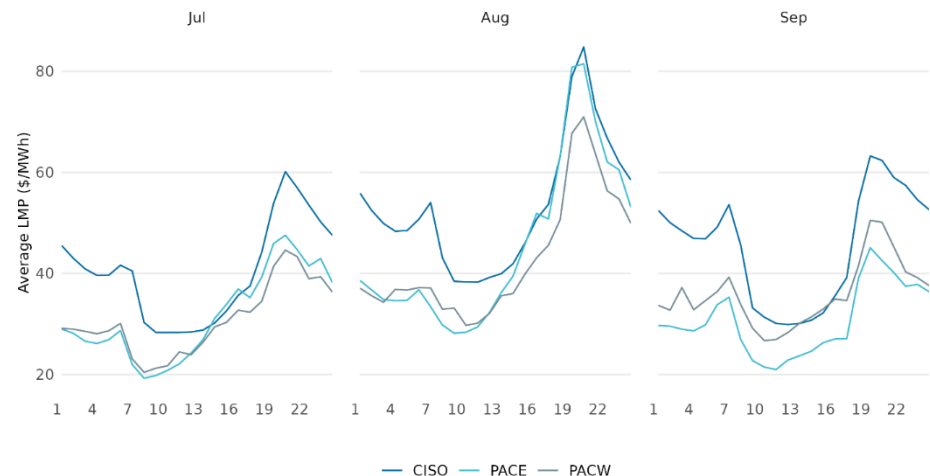
# Day-ahead energy prices fell and were less volatile in September reflecting lower demand than in August



Prices spiked on September 9 for CAISO and PACW with daily averages of approximately \$101/MWh and \$77/MWh, respectively.

Prices were highest in the morning and evening peaks

CAISO prices were higher than PAC prices during peak hours, partly due to the GHG price contribution



# All EDAM MECs decreased in September but GHG remained steady resulting in lower LMPs

The largest drop in MEC from August was 31% for PACE

GHG increased by 13% in IFM and RTD, and remained steady in FMM

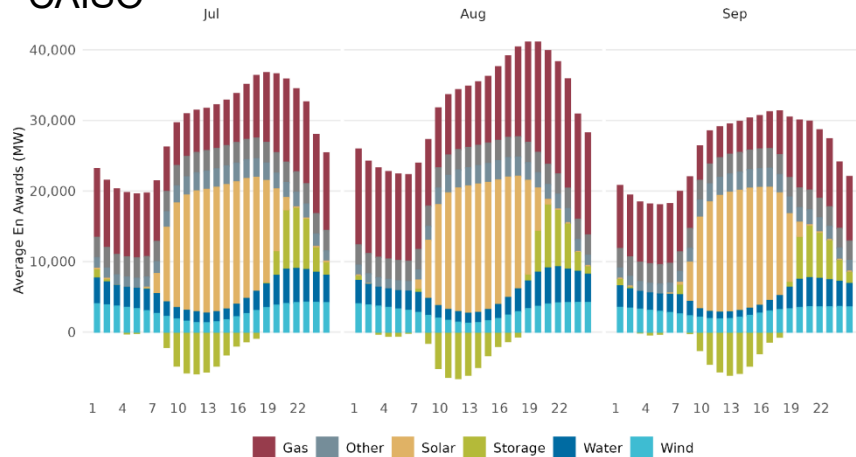
Congestion in CAISO reversed direction except for SDGE

Congestion decreased in PACW but was slightly higher in PACE



# Hourly energy profile evolved and decreased as system faced high load conditions in September

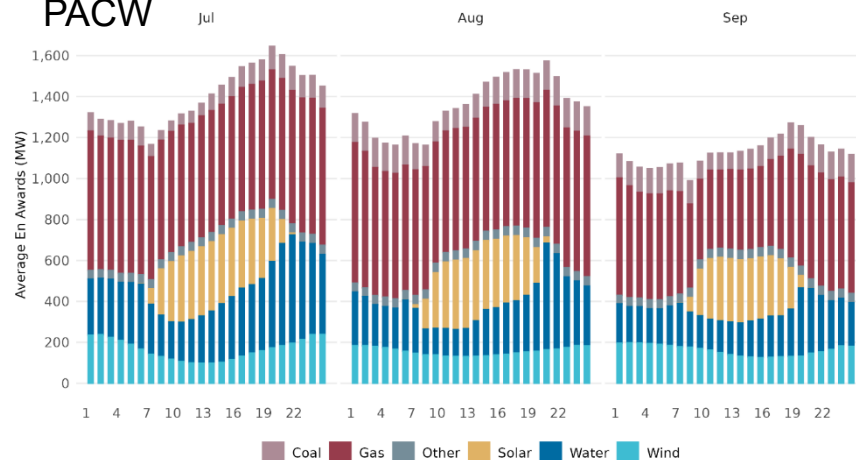
## CAISO



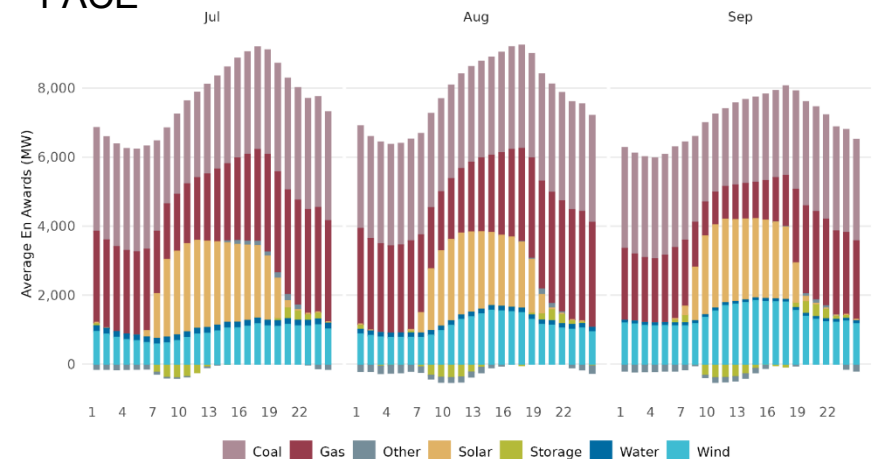
Total supply across EDAM decreased as September observed lower loads compared with August

Gas generation played an important role in meeting evening demand

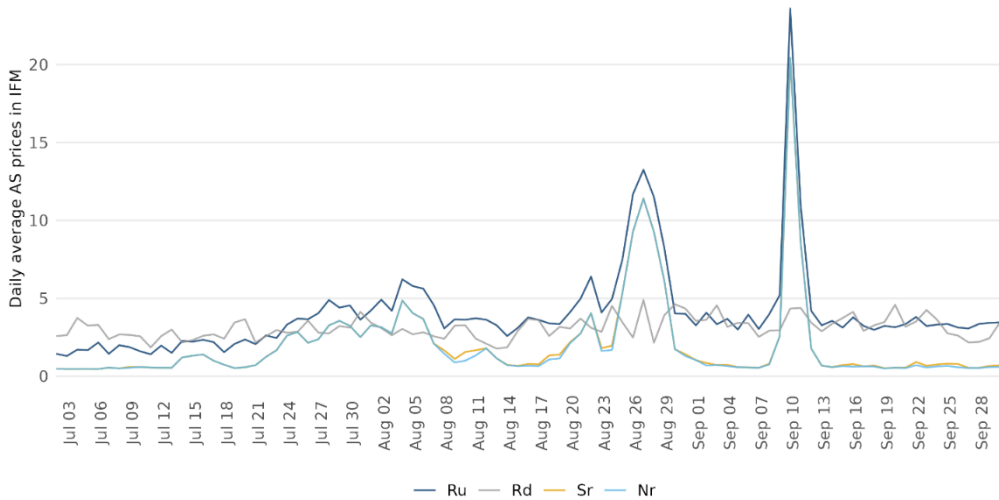
## PACW



## PACE

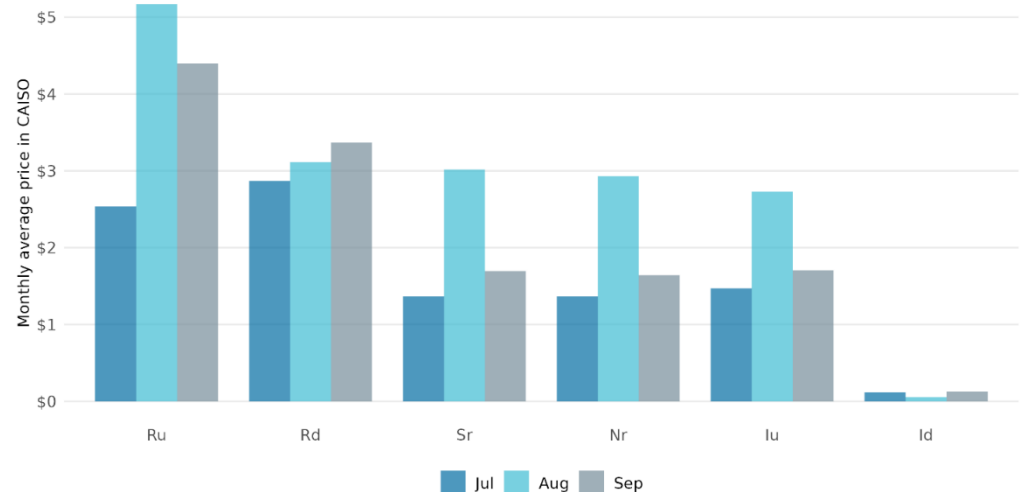


# AS prices remained within typical ranges for all commodities



AS prices remained within typical ranges for all four commodities in September, with slightly elevated prices on September 9<sup>th</sup>, reflecting summer conditions.

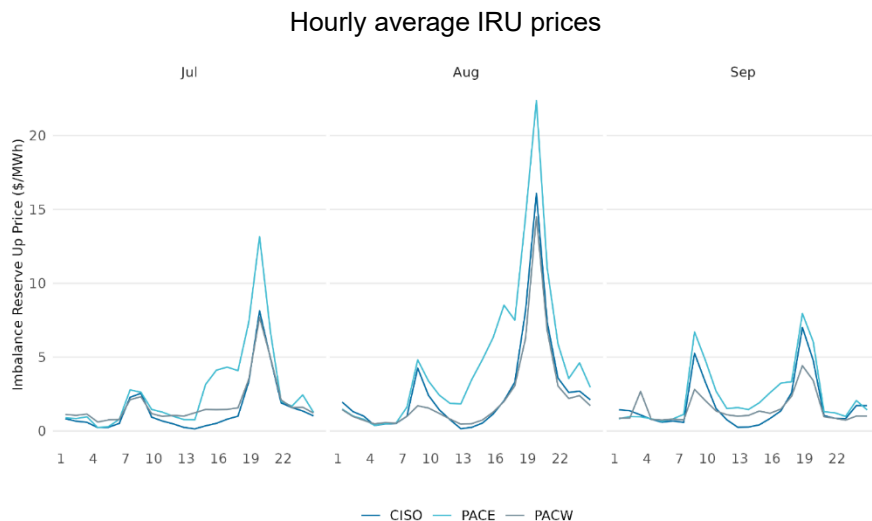
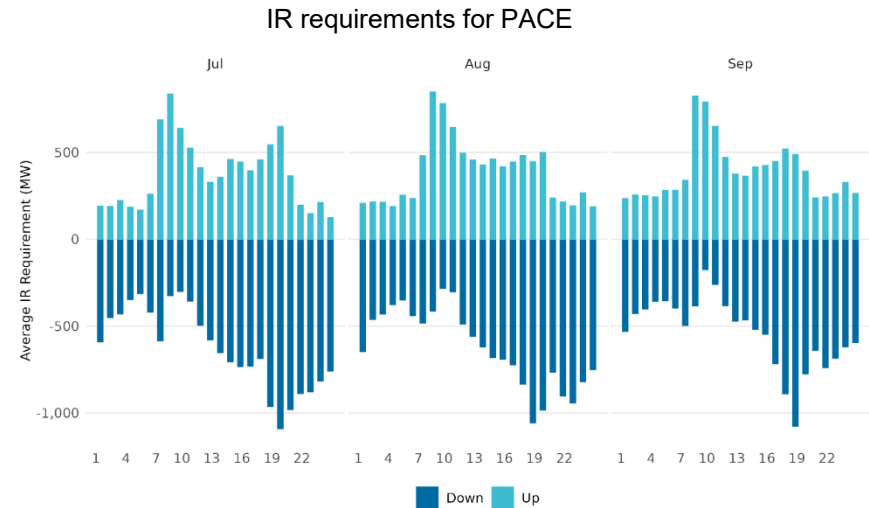
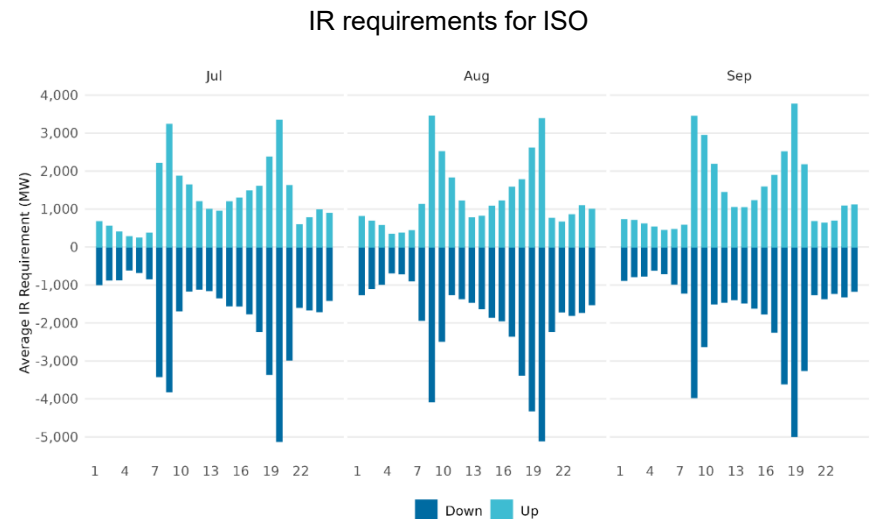
Average price of imbalance reserve up was at a similar level as average price of spin in September



# Imbalance reserve prices fell in September but peaked on September 9 reaching \$12/MWh on average in CAISO

Requirement levels vary according to area size and fell in September

Prices continue to follow the pattern of higher requirements in the morning and evening peaks

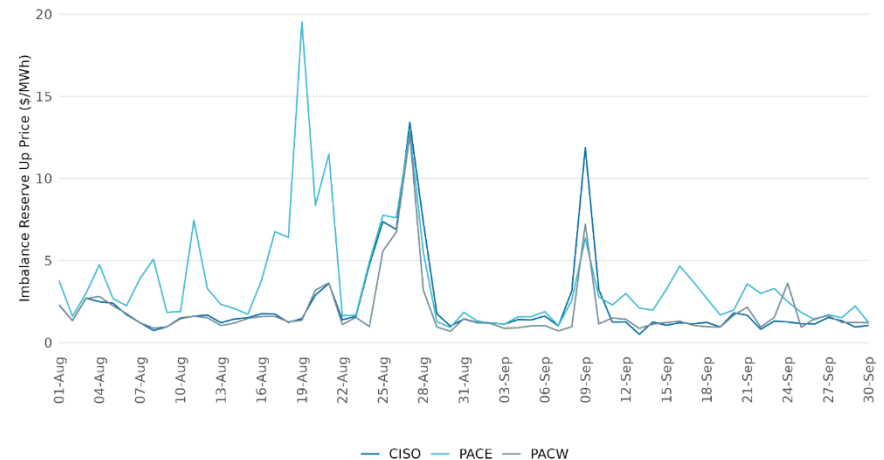


# Imbalance reserve down prices increased for PACW and exceeded imbalance reserve up prices on average

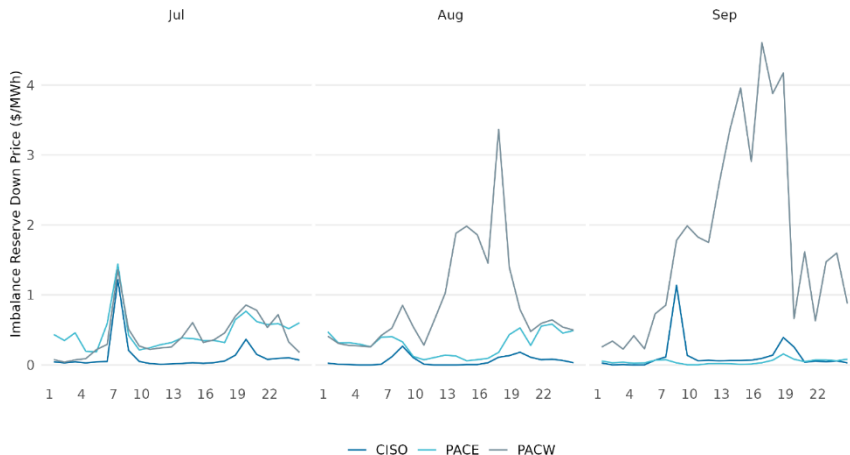
IRD prices in PACW spiked at the end of September, reaching \$13/MWh on September 30

IRD prices in PACW were highest from hours ending 13 to 18

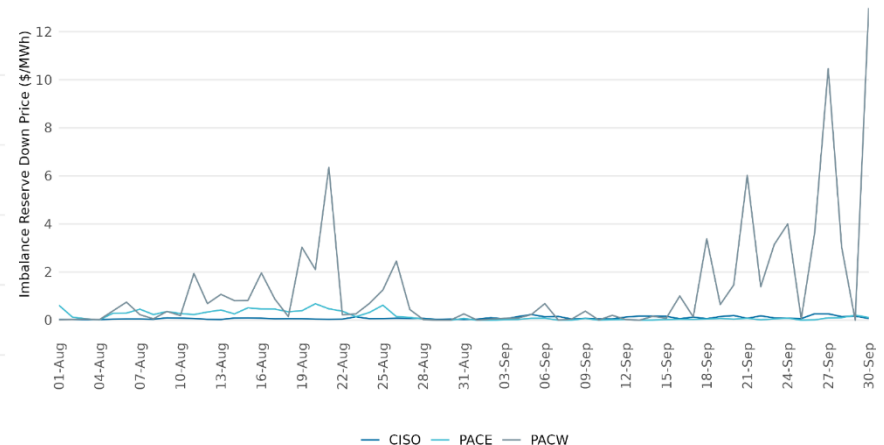
Daily average IRU



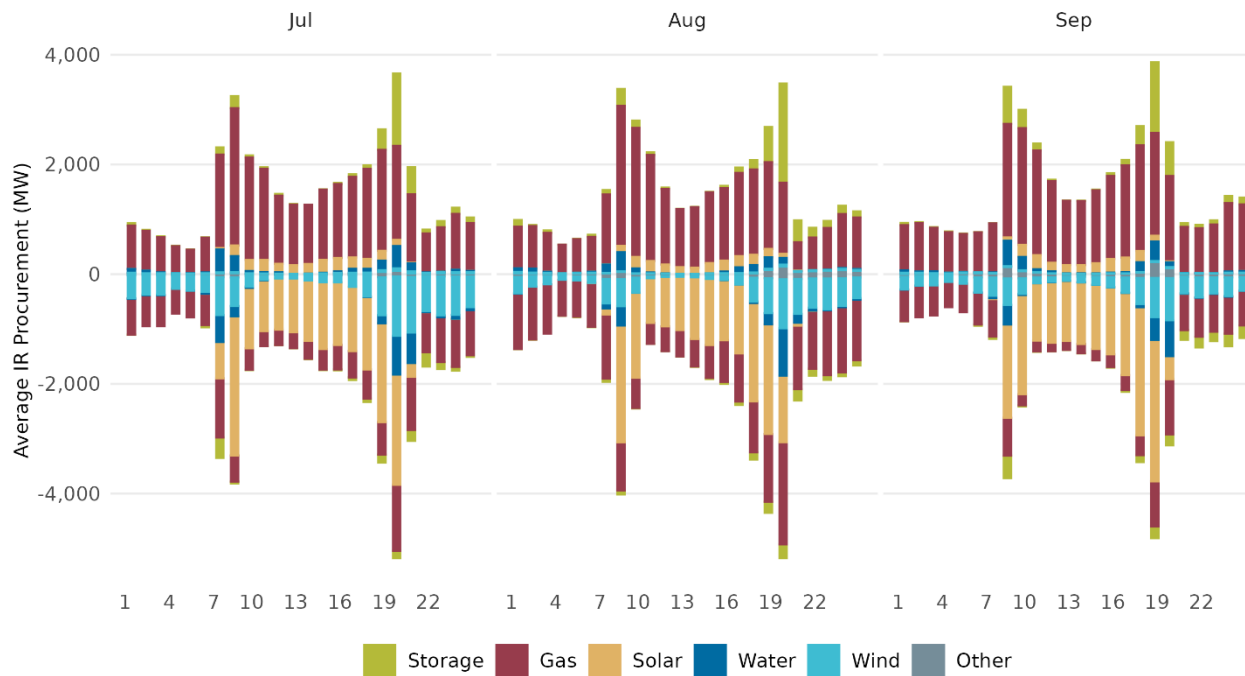
Hourly average IRD prices



Daily average IRD



# Over 75 percent of imbalance reserve up was procured from gas resources in CAISO area



In the ISO area, gas followed by solar was the primary supply supporting imbalance reserves. Storage resource provide minimal capacity in peak hours

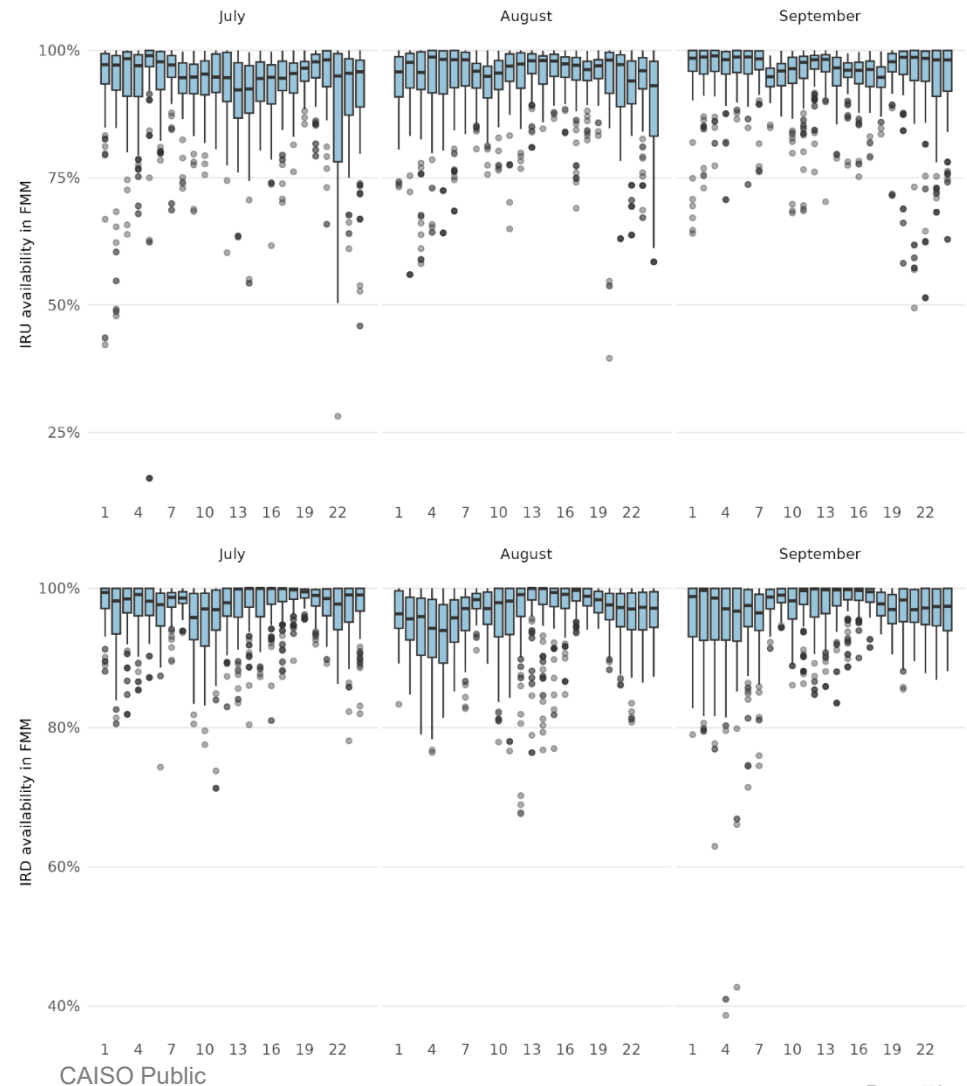
In the PACE area, coal complemented with transfers were the main sources of imbalance reserves, while PACW was mainly supported by transfers and hydro

# Real-time IR capacity availability generally aligns with day-ahead IR procurement.

Availability is measured as the real time available capacity corresponding to IR awards in the EDAM footprint, expressed as a percentage of imbalance reserve procurement

In the upward direction, over 80% of IR capacity has been made available

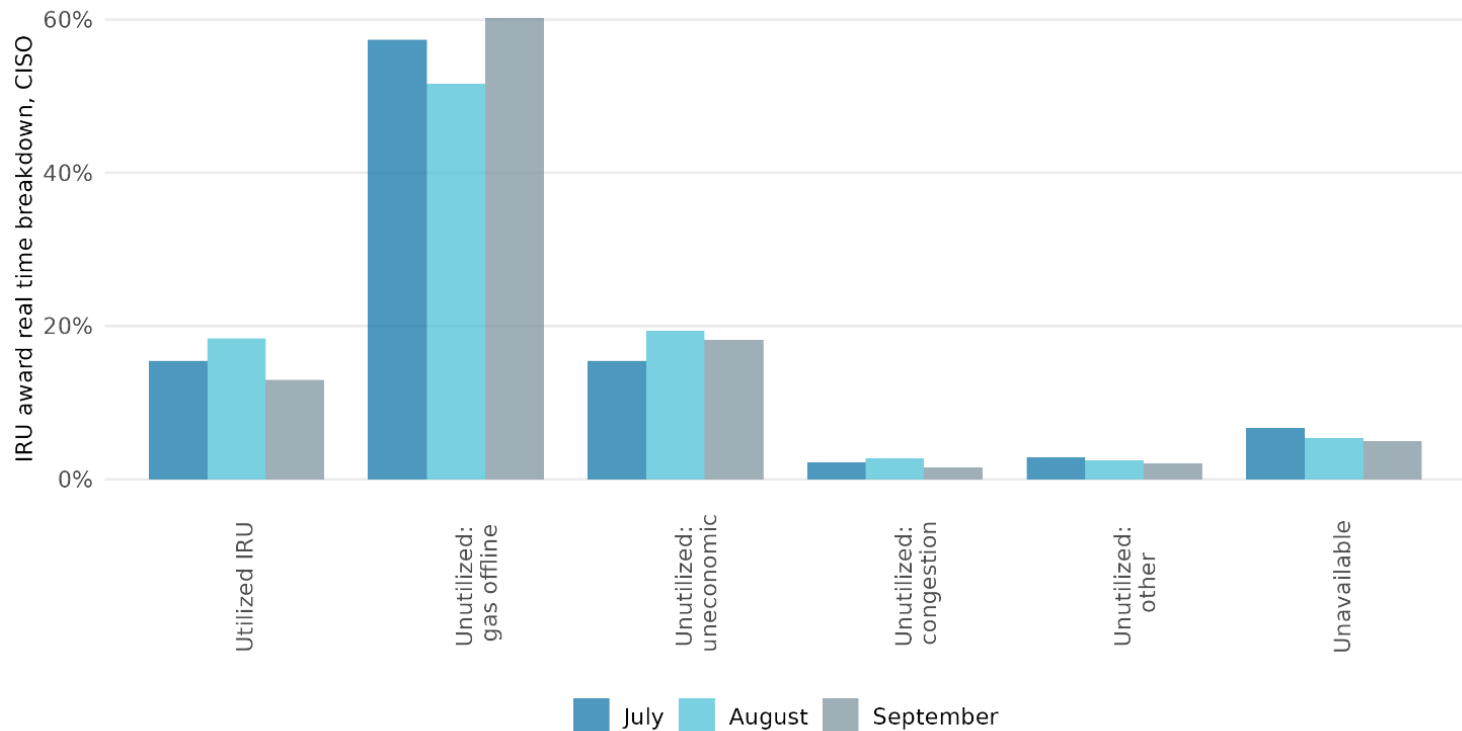
In the downward direction, the availability exceeds 95% majority of the time



# Imbalance reserve real-time utilization

- Utilization depends on real time conditions
  - Realized uncertainty in real time
  - Availability
  - Deliverability
- Measure utilization
  - Regular Gen, Import, Export
  - Resource level FMM to IFM delta energy schedule
  - Compare to the corresponding day-ahead IR / RC awards
- Other system conditions that drive real time schedule
  - Outages, congestion
  - Access to additional supply through WEIM transfer, loss, load bias
  - Prices

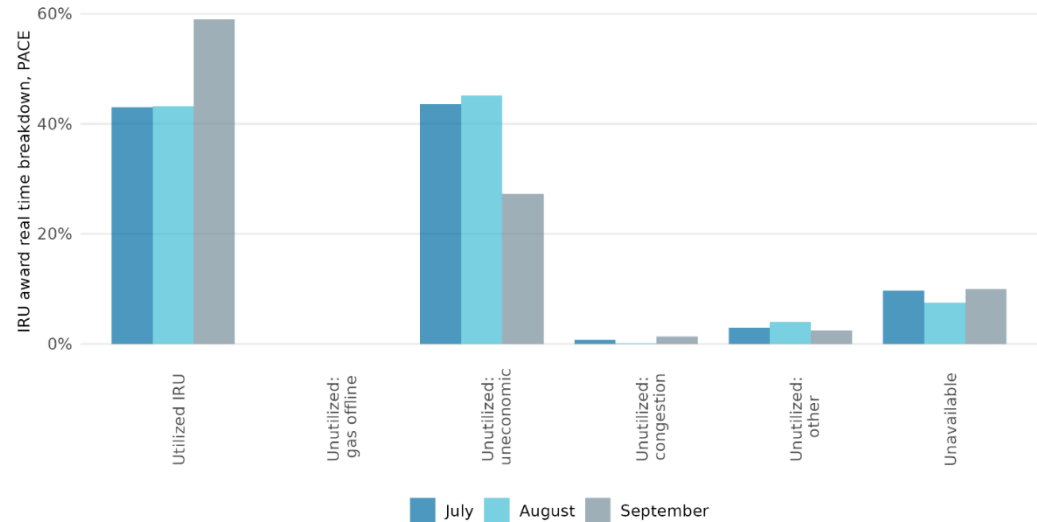
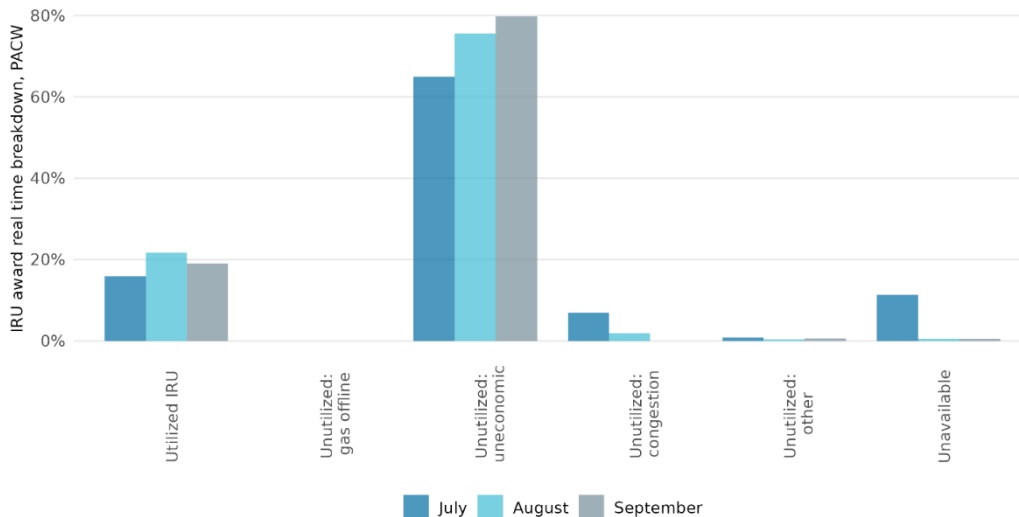
# Economics was the primary driver of unutilized imbalance reserve up awards



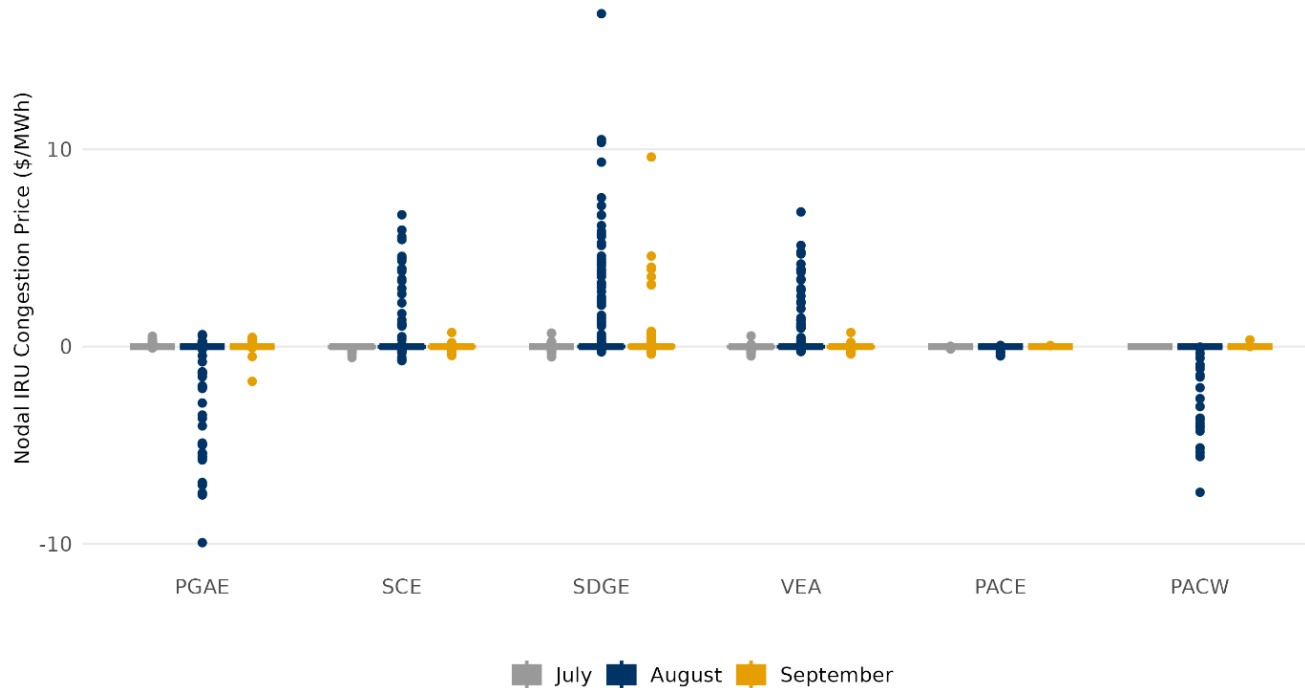
- For CAISO BAA, approximately 60% of September IRU awards were unutilized because gas units received IRU awards but remained offline in real time.

# Economics was the primary driver of unutilized imbalance reserve up awards

For PACE and PACW, economics for online resources represented the largest share of unutilized capacity, at 27% and 80%, respectively.



# Congestion components for IR prices show mild variation most of the time



Congestion component of IRU/IRD marginal prices is impacted only by IRU/IRD deployment scenarios

IRU/IRD pricing at the DLAP/ELAP level is not significantly impacted by congestion.  
Contingencies are not enforced in IR deployment scenarios

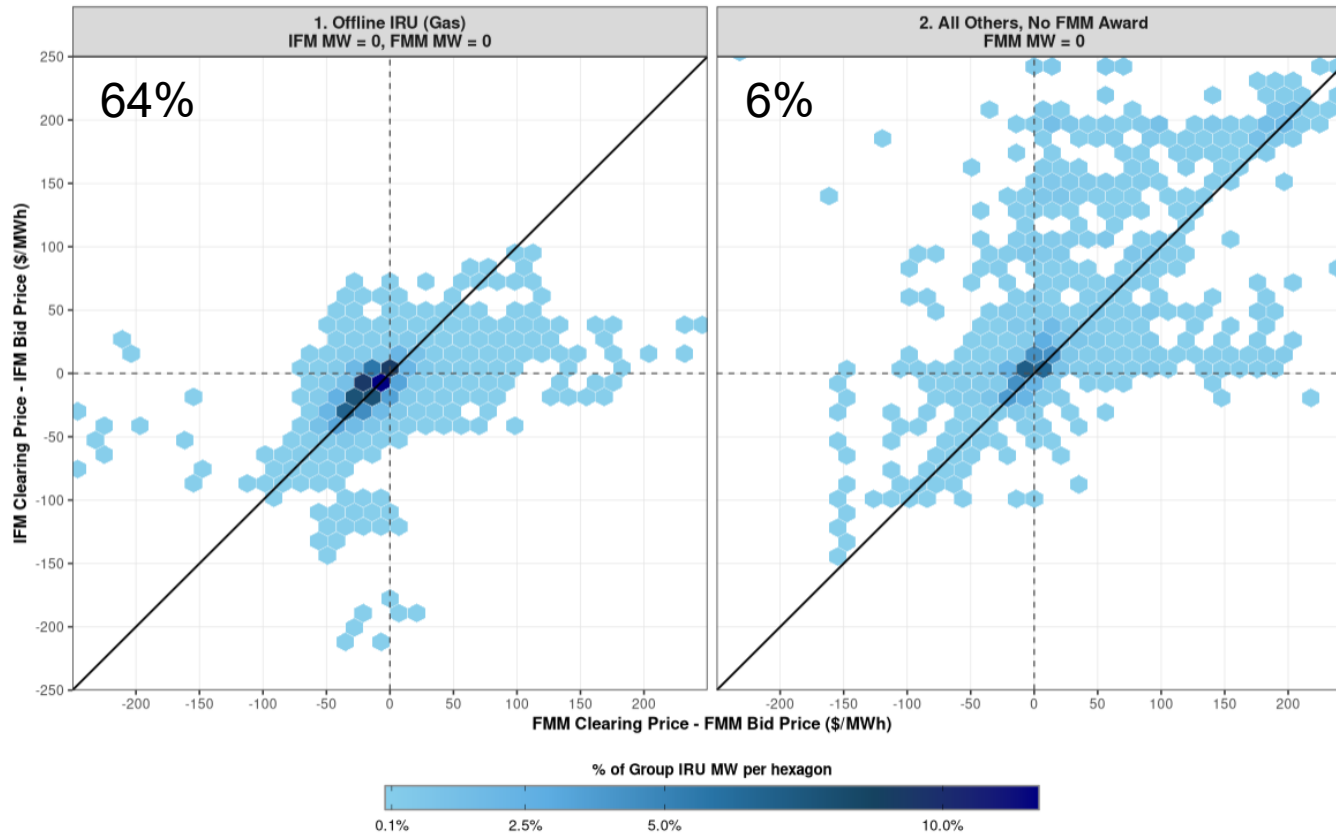
This could strand procured IR as contingencies are enforced in RT

# Real-time congestion from contingency constraints for IR was not considered in the day-ahead market

| September 2026 Average Congestion Costs by Constraint |                                              | Contingency | PACE   |     |        | PACW   |     |        | PGAE   |      |        | SCE    |        |        |
|-------------------------------------------------------|----------------------------------------------|-------------|--------|-----|--------|--------|-----|--------|--------|------|--------|--------|--------|--------|
| BAA                                                   | Constraint Name                              |             | Base   | IRU | FMM    | Base   | IRU | FMM    | Base   | IRU  | FMM    | Base   | IRU    | FMM    |
| CISO                                                  | 30750_MOSSLD_230_30797_LASAGUIL_230_BR_1_1   | Y           |        |     |        | 0.05   |     |        | 0.66   |      | 0.67   | (0.48) |        | (0.66) |
| CISO                                                  | 7760_DEV_RDB_ALIS                            | N           | (0.22) |     | (0.32) |        |     | 0.00   | 0.01   |      | 0.53   | 0.12   |        | 1.15   |
| CISO                                                  | 30765_LOSBANOS_230_30790_PANOCHÉ_230_BR_2_1  | Y           |        |     |        | 0.61   |     |        | 0.29   |      | 0.07   | (0.33) |        | (0.25) |
| CISO                                                  | 38615_DS AMIGO_230_30790_PANOCHÉ_230_BR_1_1  | Y           |        |     |        | 0.06   |     | 0.04   | 0.08   |      | 0.02   | (0.19) |        | (0.62) |
| CISO                                                  | 7820_TL 230S_OVERLOAD_NG                     | N           | (0.16) |     | (0.27) | (0.08) |     |        | (0.09) |      | 0.08   | (0.04) |        | 0.27   |
| CISO                                                  | 30060_MIDWAY_500_24156_VINCENT_500_BR_2_3    | Y           | (0.00) |     | (0.00) | (0.13) |     | (0.16) | (0.17) |      | (0.21) | 0.12   |        | 0.15   |
| CISO                                                  | 30055_GATES1_500_30060_MIDWAY_500_BR_1_1     | Y           |        |     | (0.00) | 0.01   |     | 0.27   | 0.01   |      | 0.31   | (0.01) |        | (0.31) |
| CISO                                                  | 30790_PANOCHÉ_230_30900_GATES_230_BR_1_1     | Y           |        |     |        | 0.06   |     | 0.07   | 0.10   |      | 0.33   | (0.07) |        | (0.29) |
| CISO                                                  | 34418_KINGSBRG_115_34428_CONTADNA_115_BR_1_1 | Y           |        |     |        |        |     |        | 0.12   |      | 0.30   | (0.06) |        | (0.10) |
| CISO                                                  | 35618_SN JSE A_115_35616_SNJOSB_115_BR_1_1   | Y           |        |     |        |        |     |        | 0.06   |      | 0.29   | (0.06) |        | (0.15) |
| CISO                                                  | 7430_CP6_NG                                  | N           |        |     |        |        |     |        | 0.06   | 0.02 | 0.20   | (0.05) | (0.01) | (0.21) |
| CISO                                                  | 30790_PANOCHÉ_230_30900_GATES_230_BR_2_1     | Y           |        |     |        | 0.13   |     |        | 0.19   |      |        | (0.14) |        |        |
| CISO                                                  | 30056_GATES2_500_30060_MIDWAY_500_BR_2_1     | Y           |        |     |        |        |     | 0.10   |        |      | 0.11   |        |        | (0.11) |
| CISO                                                  | 30733_VASONA_230_30735_METCALF_230_BR_1_1    | Y           |        |     |        |        |     |        |        |      | 0.17   |        |        | (0.05) |
| PACE                                                  | GLENCANY_SIGURD_230                          | N           |        |     | (0.18) |        |     |        |        |      |        |        |        | 0.03   |

Contingencies are not enforced for IR deployment scenarios, and this can result in additional congestion observed in FMM that prevent IR to be delivered

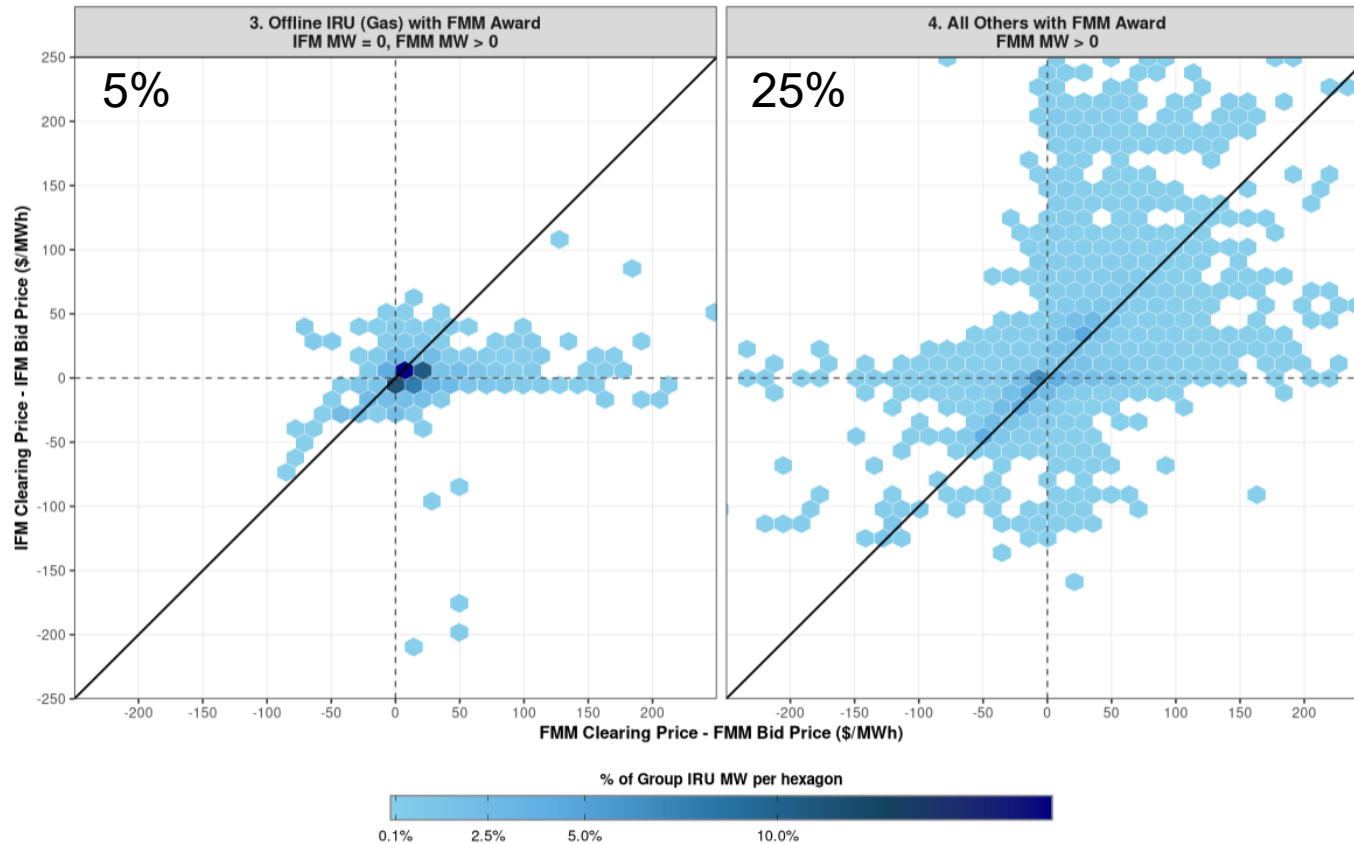
# Congestion differences between EDAM and WEIM does not significantly impact IRU deliverability – CAISO BAA



- \*Plot assumptions
- Bid prices use No load cost/ $P_{min}$  as a proxy for offline resources
  - SOC, multi-interval optimization, outages, ramp-rate restrictions, startup and transition costs are not represented
  - \$250 limit on the price spread

- 64% of IRU procured from GAS is not utilized in real-time (too expensive to commit)
- 6% of other IRU awards are not dispatched in FMM due to other constraints

# Congestion differences between EDAM and WEIM does not significantly impact IRU deliverability – CAISO BAA



## \*Plot assumptions

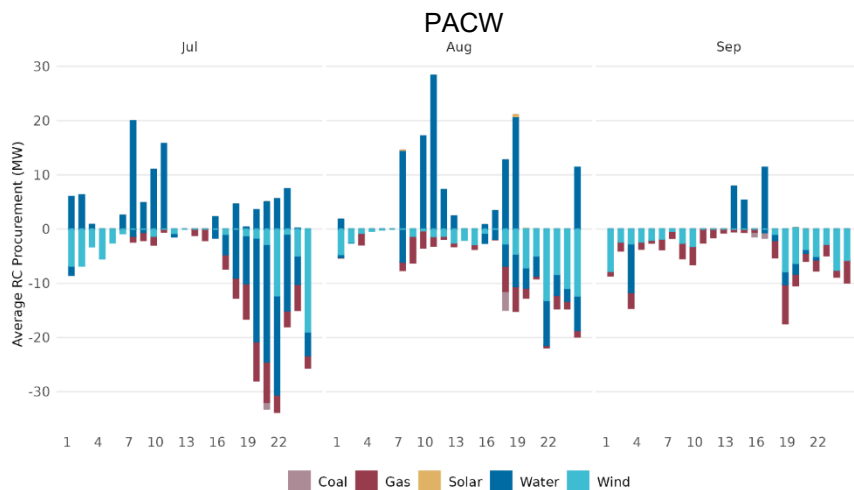
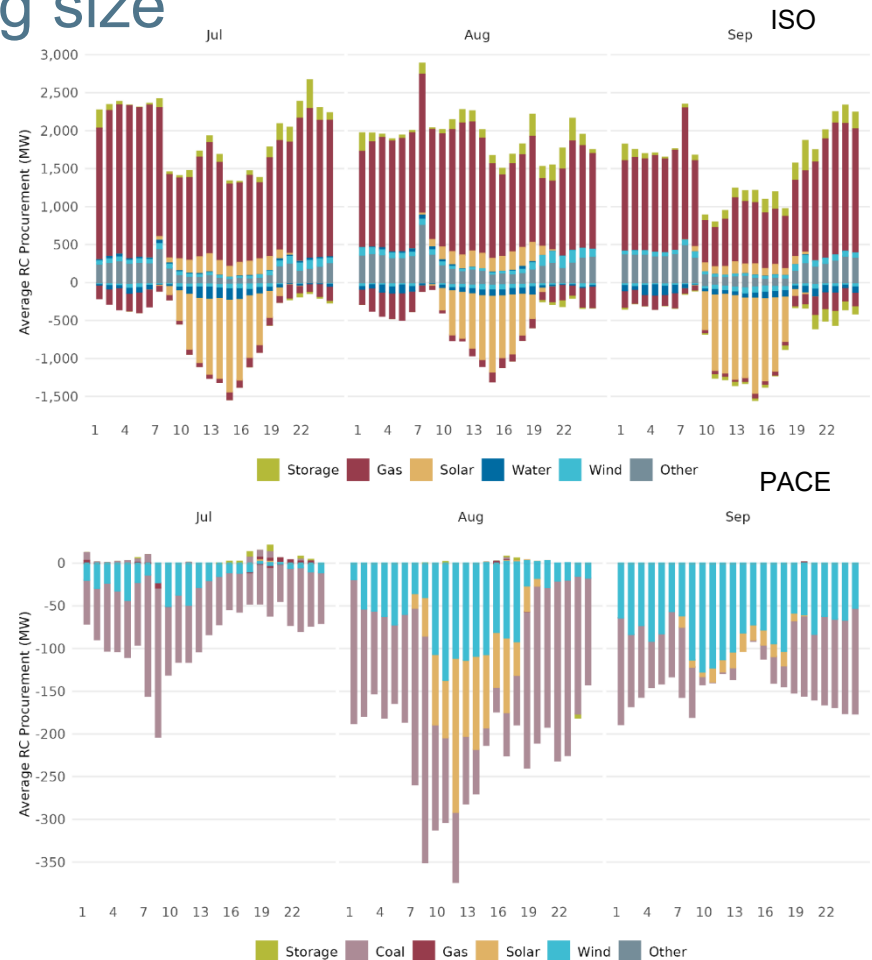
- Bid prices use No load cost/ $P_{min}$  as a proxy for offline resources
- SOC, multi-interval optimization, outages, ramp-rate restrictions, startup and transition costs are not represented
- \$250 limit on the price spread

- Remaining 30% of IRU awards are deliverable in FMM with little impact from congestion preventing deliverability

# The level of reliability capacity procured varies largely by area given their corresponding size

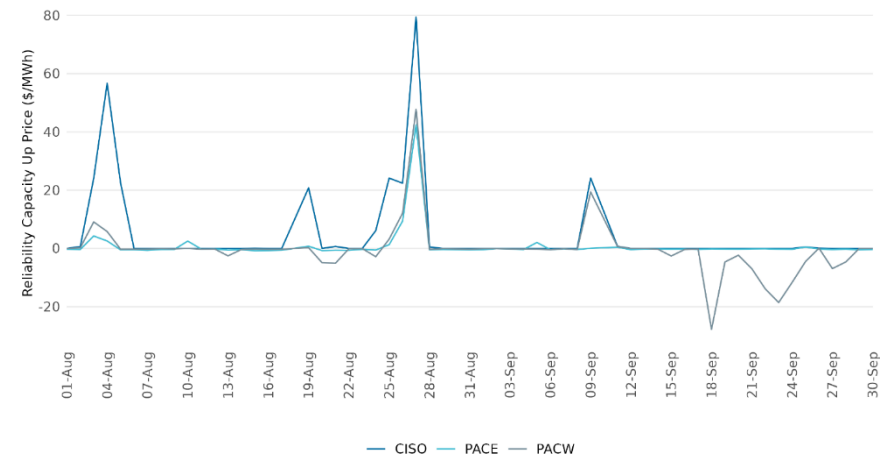
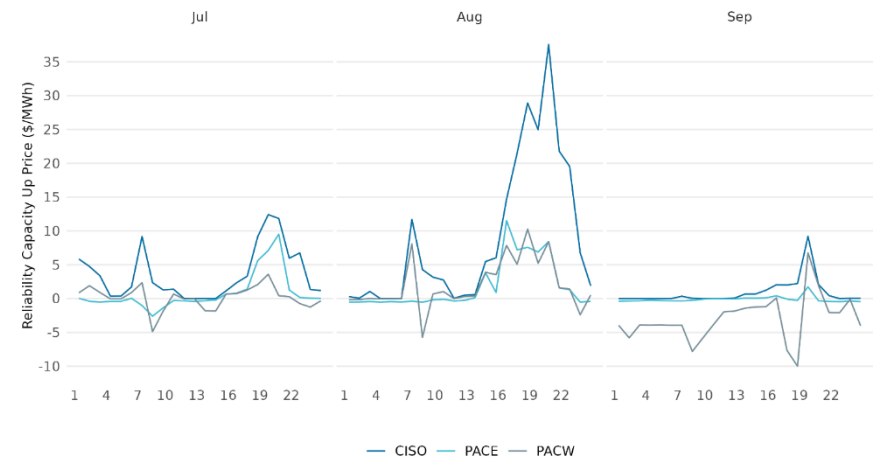
Reliability capacity is procured for the difference between the area's load forecast and physical supply cleared in the IFM

Underbidding of demand in IFM market leads to higher upward capacity procurement



# Reliability capacity prices in PACW averaged $-\$2.98/\text{MWh}$ reflecting higher RCD needs

- RCU prices spiked on September 9 for CAISO and PACE averaging  $\$24/\text{MWh}$  and  $\$19/\text{MWh}$ , respectively
- RCD prices in PACW spiked later in September averaging  $\$28/\text{MWh}$  on September 18
- Hourly average RCU prices were highest during the evening peak
- Price separation reflects regional economic diversity, available supply mix and transfers



# EDAM net export constraint enforced on all days for ISO area only

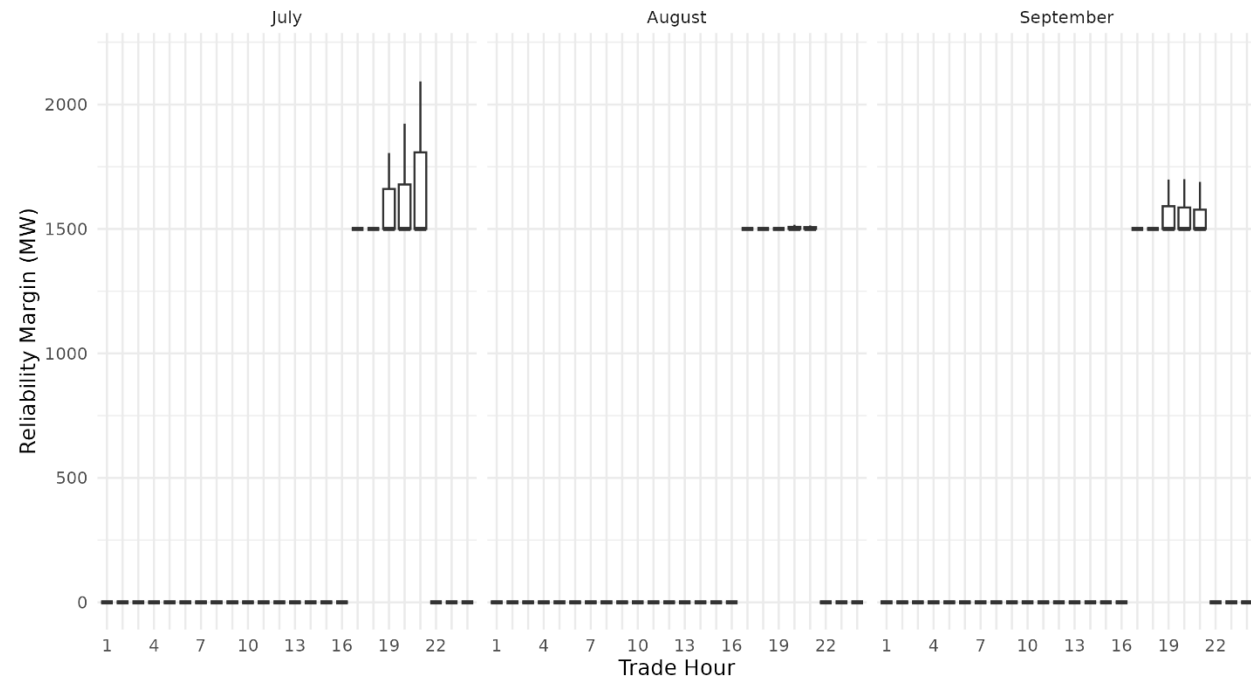
The net export constraint is an optional tool for BAAs to limit their net transfer exports to their excess RSE-eligible capacity

The constraint can be further tuned using a confidence factor for non-RSE eligible capacity and an additional reliability margin

The ISO reliability margin is set based on the most severe single contingency

The constraint has not been binding in the CAISO area in any hour since May.

ISO Reliability Margin, July-September 2026



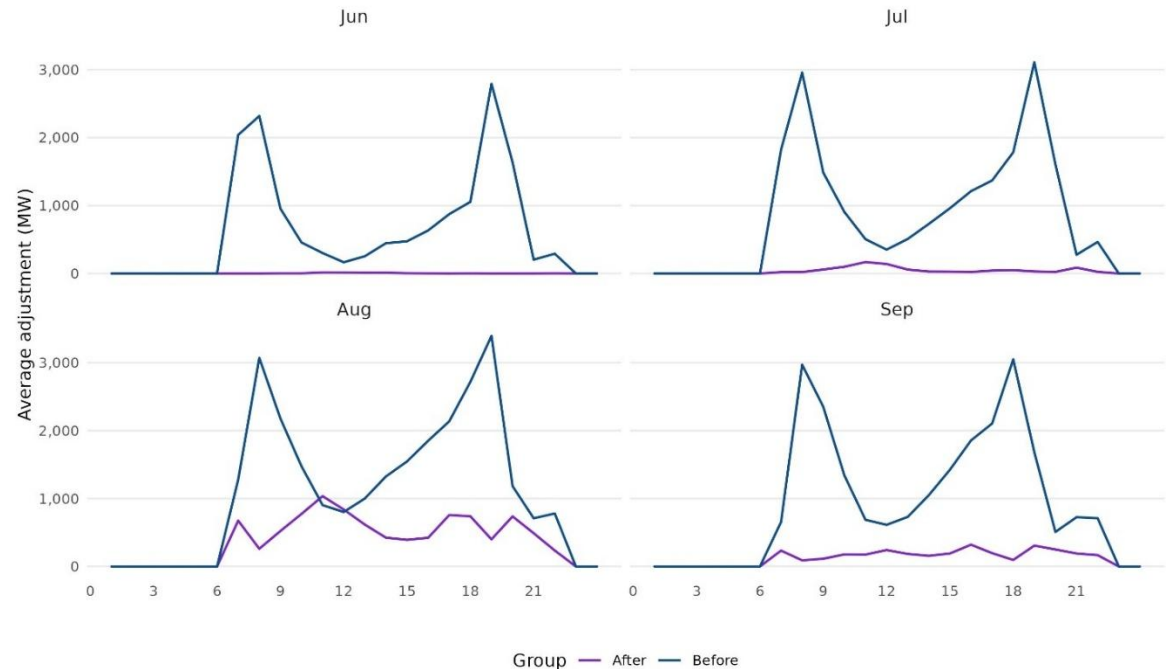
# Procurement of imbalance reserves has lowered both the frequency and magnitude of ISO manual adjustments

Hourly average of manual adjustments

Reduction from 65 percent in 2025 to 11 percent in 2026

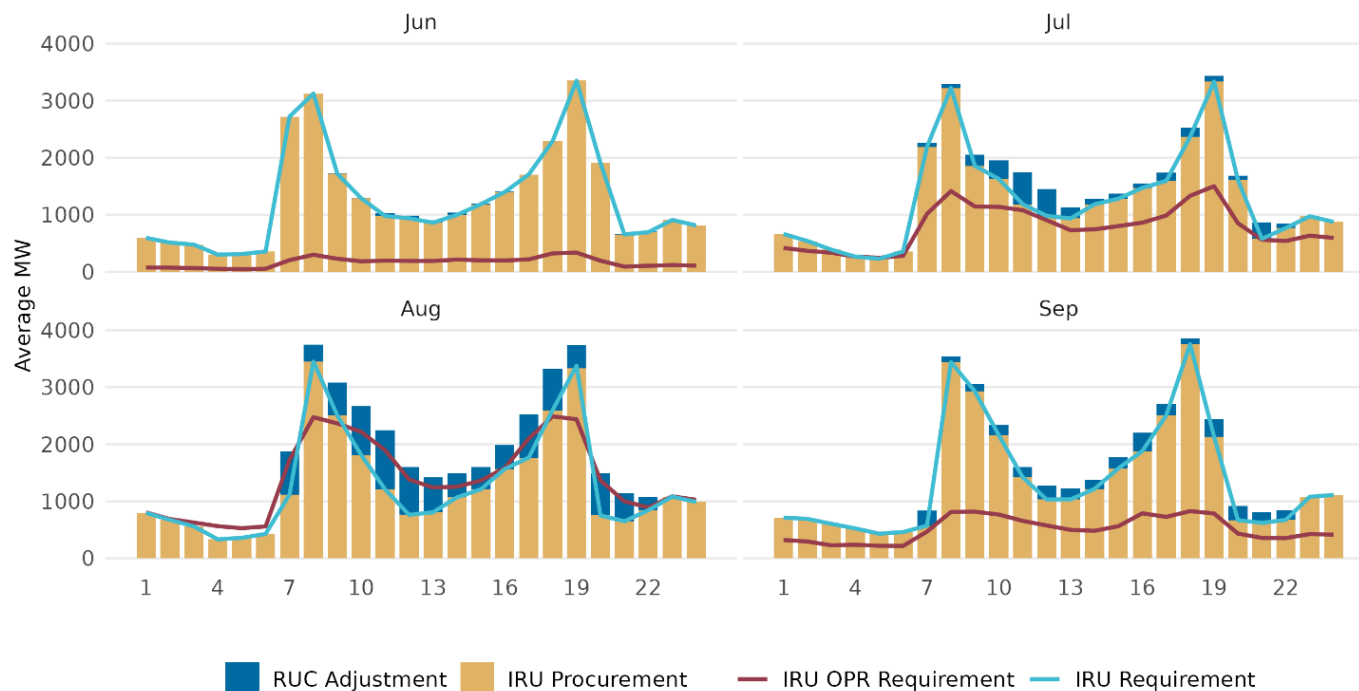
The day-ahead market procures most uncertainty needs through imbalance reserves

Manual adjustments are still likely when ISO area loads exceed 42,000MW



The CAISO has laid out the conditions under which it will use the RUC load adjustments in the EDAM BPM based on the load forecast, cleared imbalance reserves, and other operational concerns

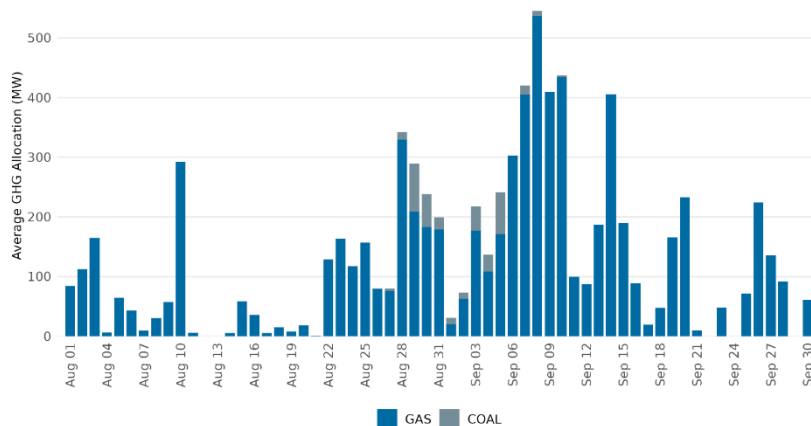
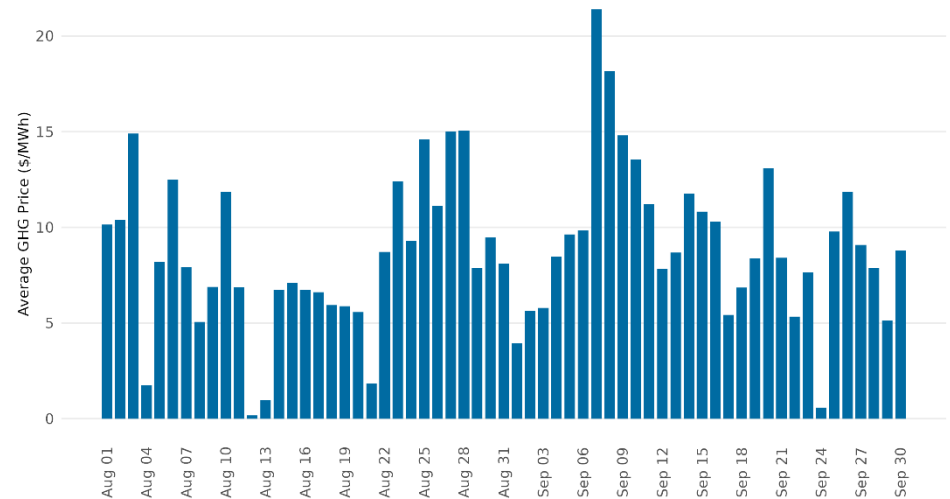
# With the implementation of EDAM, RUC adjustments complement IRU procurement in high-load days



RUC adjustment, along with IRU procurement, meet the high IRU operation requirement during peak load days.

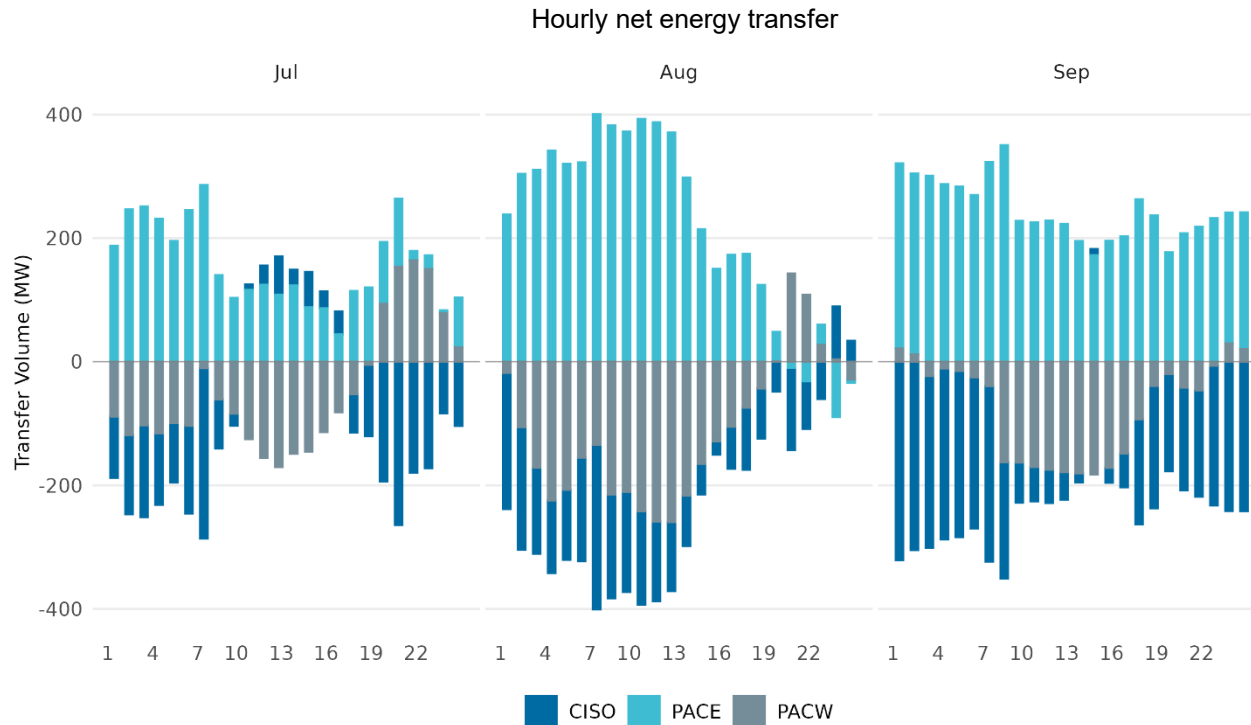
# Daily average greenhouse gas allocation reached a maximum of 545 MW on September 8

- Average GHG price in September was \$9.33/MWh, higher than August's \$8.25/MWh



- Average GHG allocation in September was 166.10 MW, much higher than 90.81 MW observed in August
- A market issue in late August and early September caused \$0 GHG bids for some PACE resources, leading to coal GHG allocation.

# Transfer capability available among areas is enabling the economics of the larger market footprint



The ISO remained net importer (-) throughout July to September

The PACE remained net exporter (+) and increased energy exports in August and September

The PACW remained high demand for imports across three months

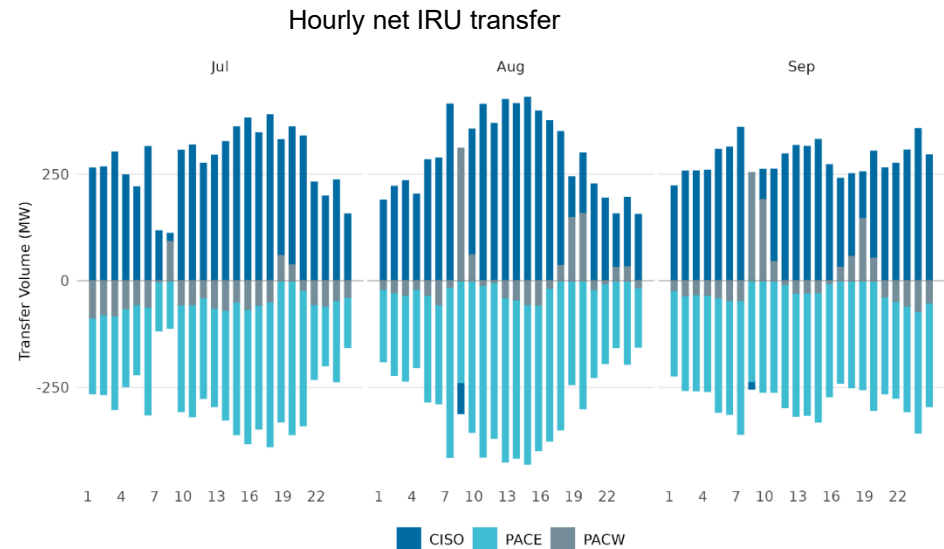
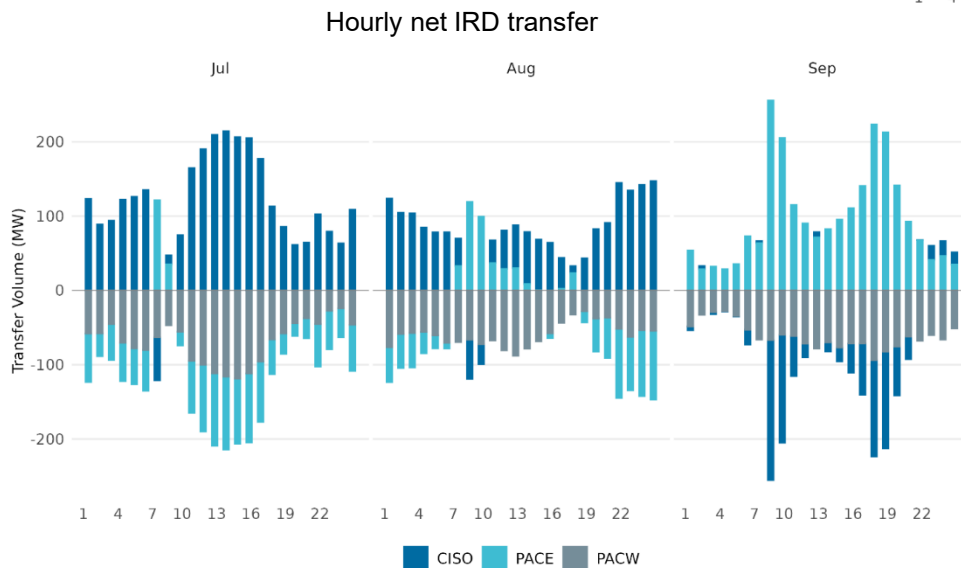
# The EDAM is also finding economic transfers for imbalance reserves for both directions

September has same IRU transfer patterns

CAISO remained an IRU net exporter

PACE remained an IRU net importer

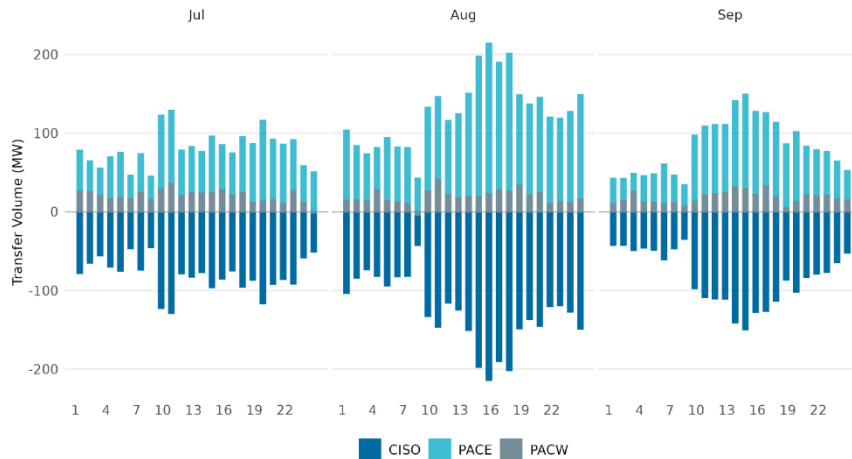
PACW imported IRU during most hours but exported on peak hours



The direction of IRD transfers reversed in September. CAISO switched to net IRD importer on peak hours. PACE switched to net exporter PACW remained net importer

# The EDAM also realized economic transfers for reliability capacity

Hourly net RCU transfer



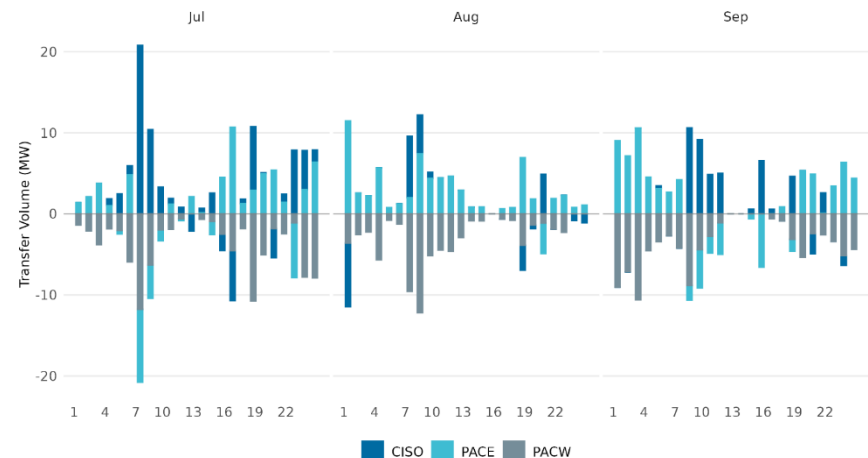
The ISO remained RCU net importer

PACE and PACW were net exporters

RCU transfer decreased by half in September compared to August

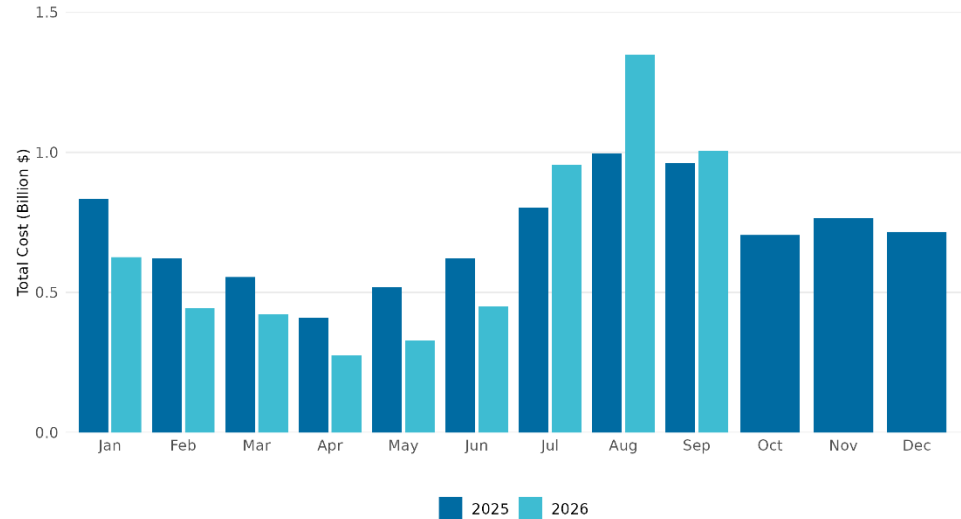
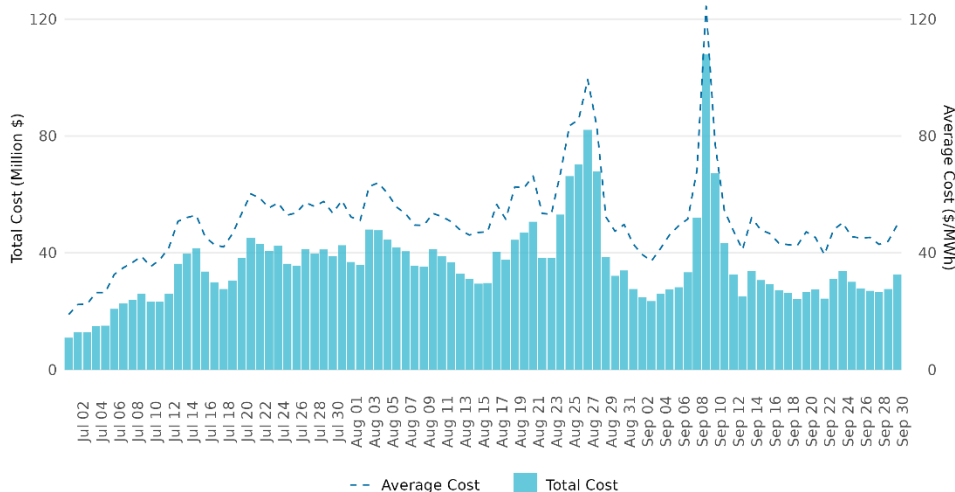
RCD net transfer showed relatively small volumes across the three BAAs  
Several notable spikes in morning peak hours

Hourly net RCD transfer



# ISO total market costs continue to follow seasonal and longer-term trends with no significant impact from EDAM

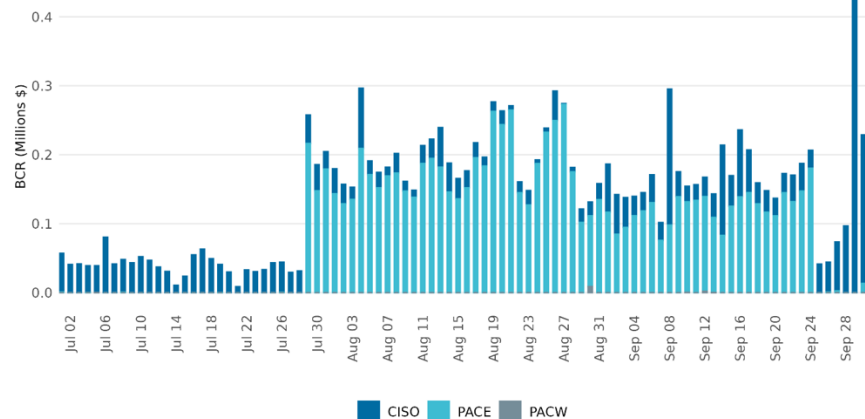
- Total costs at just over \$1 billion, consistent with historical trends
- Highest costs attributed to peak-load days early in the month



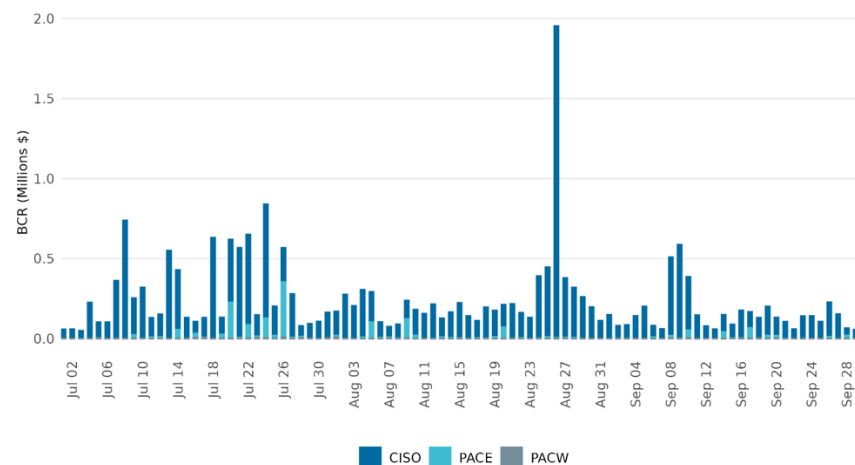
This metric includes cost for energy and AS from both day-ahead and real time markets, bid cost recovery, offsets and now the cost of imbalance reserves and reliability capacity

# CAISO BCR in September is consistent with amounts seen in previous months since EDAM launch

IFM BCR



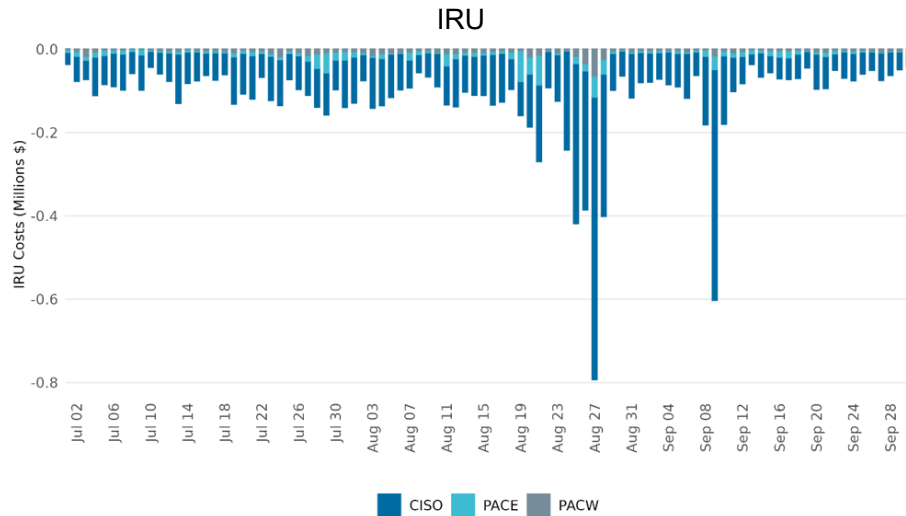
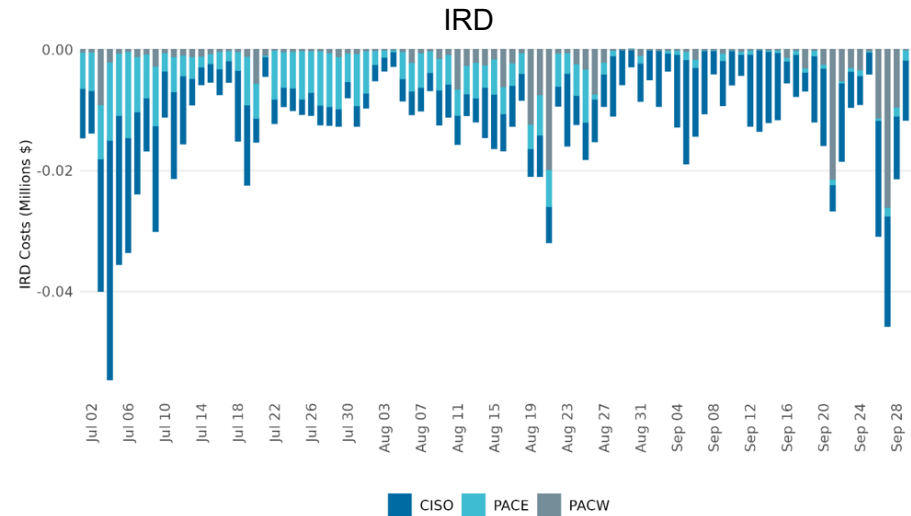
RTM BCR



| AREA | IFM  |       |       |       |       | RTM  |       |      |       |       |
|------|------|-------|-------|-------|-------|------|-------|------|-------|-------|
|      | May  | Jun   | Jul   | Aug   | Sep   | May  | Jun   | Jul  | Aug   | Sep   |
| CISO | 3.68 | 2.23  | 1.23  | 0.72  | 2.11  | 8.59 | 3.87  | 7.96 | 7.8   | 4.48  |
| PACE | 0.36 | 0.08  | 0.545 | 5.45  | 2.95  | 1.49 | 0.11  | 0.99 | 0.432 | 0.27  |
| PACW | 0.11 | 0.005 | 0     | 0.009 | 0.002 | 0.25 | 0.025 | 0.06 | 0.028 | 0.027 |

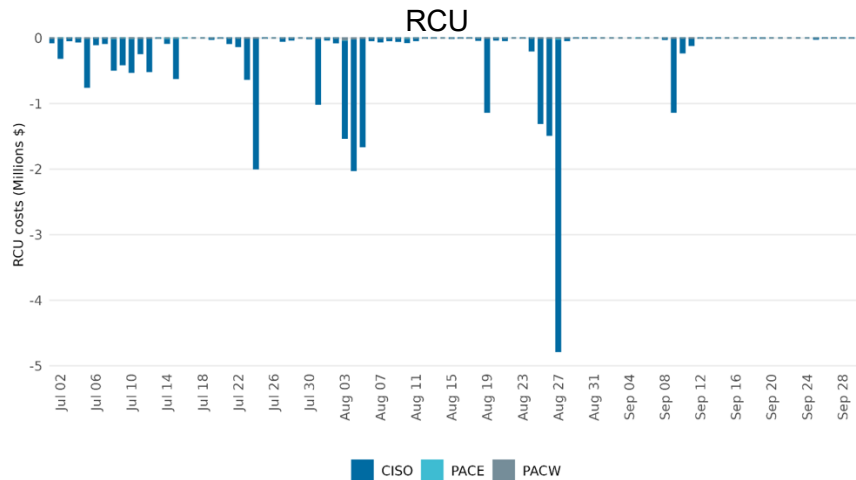
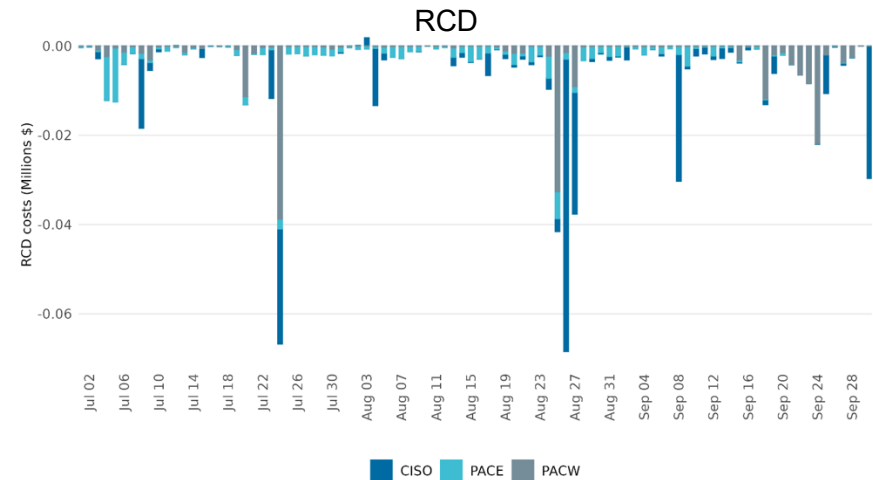
The issue driving the large amount BCR in PACE for July 29th – Sep 24<sup>th</sup> has been fixed

# Across all EDAM areas, IR costs are on average \$3.9 million through September



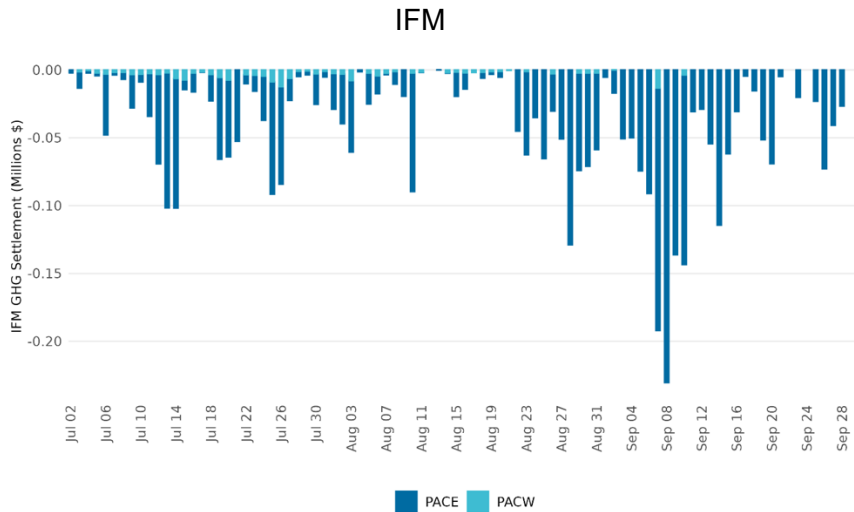
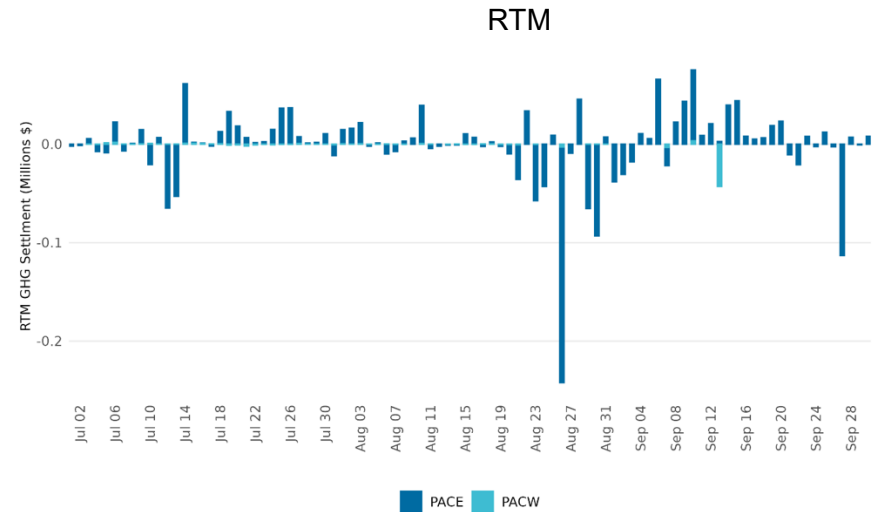
|       | IRU Total Costs (\$million) |       |       |       |       | IRD Total Costs (\$million) |       |       |       |       |
|-------|-----------------------------|-------|-------|-------|-------|-----------------------------|-------|-------|-------|-------|
| BAA   | May                         | June  | July  | Aug   | Sep   | May                         | June  | July  | Aug   | Sep   |
| CAISO | -2.07                       | -1.79 | -2.39 | -4.47 | -2.52 | -1.23                       | -0.36 | -0.28 | -0.16 | -0.27 |
| PACW  | -0.36                       | -0.10 | -0.16 | -0.32 | -0.12 | -0.16                       | -0.12 | -0.20 | -0.12 | -0.02 |
| PACE  | -0.22                       | -0.48 | -0.34 | -0.51 | -0.24 | -0.21                       | -0.06 | -0.03 | -0.09 | -0.12 |

# Across all EDAM areas, RC costs are on average \$8.2 million through September



|       | RCU Total Costs (\$million) |       |       |       |       | RCD Total Costs (\$million) |       |       |       |       |
|-------|-----------------------------|-------|-------|-------|-------|-----------------------------|-------|-------|-------|-------|
| BAA   | May                         | June  | July  | Aug   | Sep   | May                         | June  | July  | Aug   | Sep   |
| CAISO | -9.06                       | -2.58 | -8.16 | -14.5 | -1.51 | -0.84                       | -2.82 | -0.06 | -0.12 | -0.09 |
| PACW  | -0.22                       | -0.01 | -0.01 | -0.04 | 0.00  | -0.02                       | -0.05 | -0.07 | -0.05 | -0.07 |
| PACE  | -0.32                       | -0.03 | -0.03 | -0.03 | -0.02 | 0.00                        | -0.01 | -0.05 | -0.06 | -0.02 |

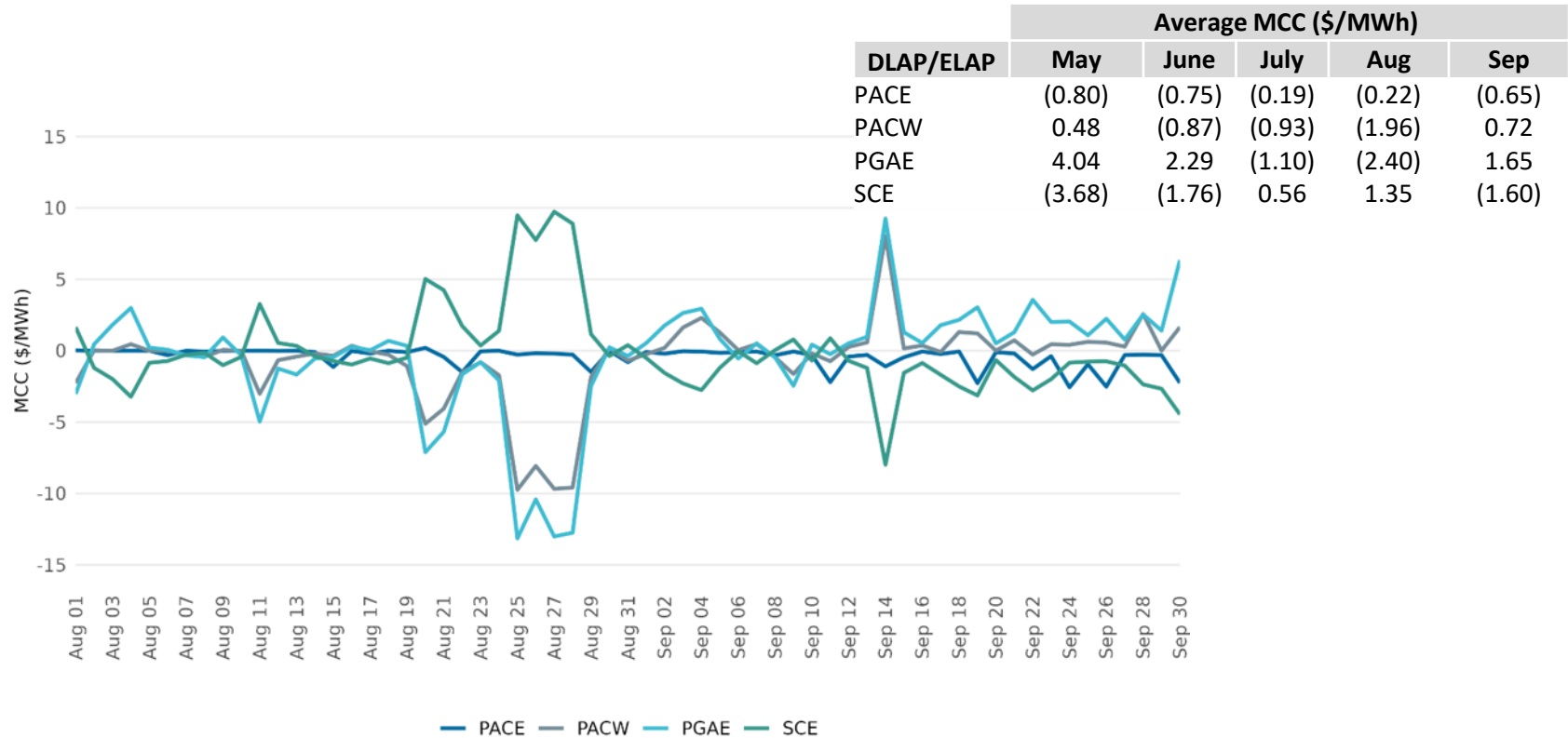
# GHG settlement in September was \$1.5 million, up from August's \$1.3 million, a 14 percent increase



|      | IFM GHG Costs (\$ million) |       |       |       |       | RTM GHG Costs (\$ million) |       |      |        |       |
|------|----------------------------|-------|-------|-------|-------|----------------------------|-------|------|--------|-------|
| BAA  | May                        | June  | July  | Aug   | Sep   | May                        | June  | July | Aug    | Sep   |
| PACW | -0.28                      | -0.20 | -0.86 | -0.92 | -1.65 | -0.18                      | -0.18 | 0.12 | -0.37  | 0.18  |
| PACE | -0.01                      | -0.03 | -0.10 | -0.05 | -0.02 | 0.001                      | 0.002 | 0.01 | -0.001 | -0.04 |

*Negative values indicate a payment to the Scheduling Coordinator and positive values, which will only occur in RTM, indicate a buyback amount*

# Congestion pattern flipped to South to North in September



- Congestion led to higher prices in the north and lower prices in the south
- PACW congestion costs followed a trend similar to that of Northern California, as PACW is geographically closer to the region

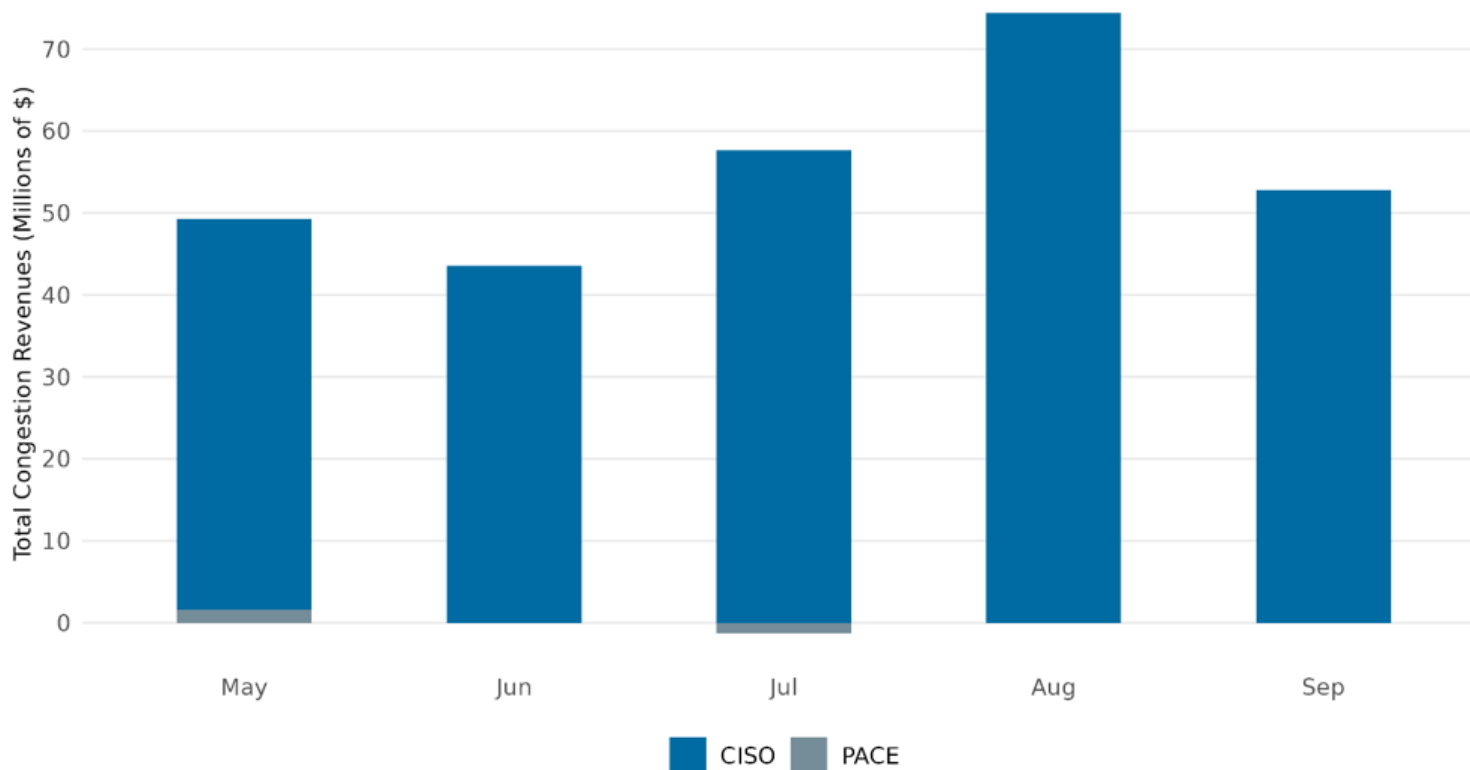
# Average congestion impacts across EDAM areas in September are limited to CISO area constraints

| LAP Congestion Price Impact (\$/MWh) |              |              |              |              |              |              |              |             |              |             |             |              |
|--------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|--------------|-------------|-------------|--------------|
| Origin of Congestion                 | July         |              |              |              | Aug          |              |              |             | Sep          |             |             |              |
|                                      | PACE         | PACW         | PGAE         | SCE          | PACE         | PACW         | PGAE         | SCE         | PACE         | PACW        | PGAE        | SCE          |
| <b>CISO</b>                          | <b>-0.19</b> | <b>-0.92</b> | <b>-1.04</b> | <b>0.58</b>  | <b>-0.22</b> | <b>-1.96</b> | <b>-2.40</b> | <b>1.35</b> | <b>-0.65</b> | <b>0.72</b> | <b>1.65</b> | <b>-1.60</b> |
| Base                                 | -0.19        | -0.92        | -1.09        | 0.64         | -0.21        | -1.73        | -2.11        | 1.16        | -0.64        | 0.72        | 1.52        | -1.52        |
| IRD                                  | 0.000        | 0.000        | 0.02         | -0.01        | 0.000        | 0.000        | 0.01         | 0.00        | -0.007       | -0.004      | 0.08        | -0.04        |
| IRU                                  | -0.002       |              | 0.03         | -0.05        | -0.007       | -0.23        | -0.31        | 0.19        | 0.000        | 0.00        | 0.05        | -0.04        |
| <b>PACE</b>                          |              |              | <b>-0.05</b> | <b>-0.05</b> |              |              |              |             |              |             |             |              |
| Base                                 |              |              | -0.05        | -0.05        |              |              |              |             |              |             |             |              |
| IRD                                  |              |              |              |              |              |              |              |             |              |             |             |              |
| IRU                                  |              |              | -0.001       | -0.001       |              |              |              |             |              |             |             |              |

*\*Calculated by sum of mcc impact / total number of intervals for the month*

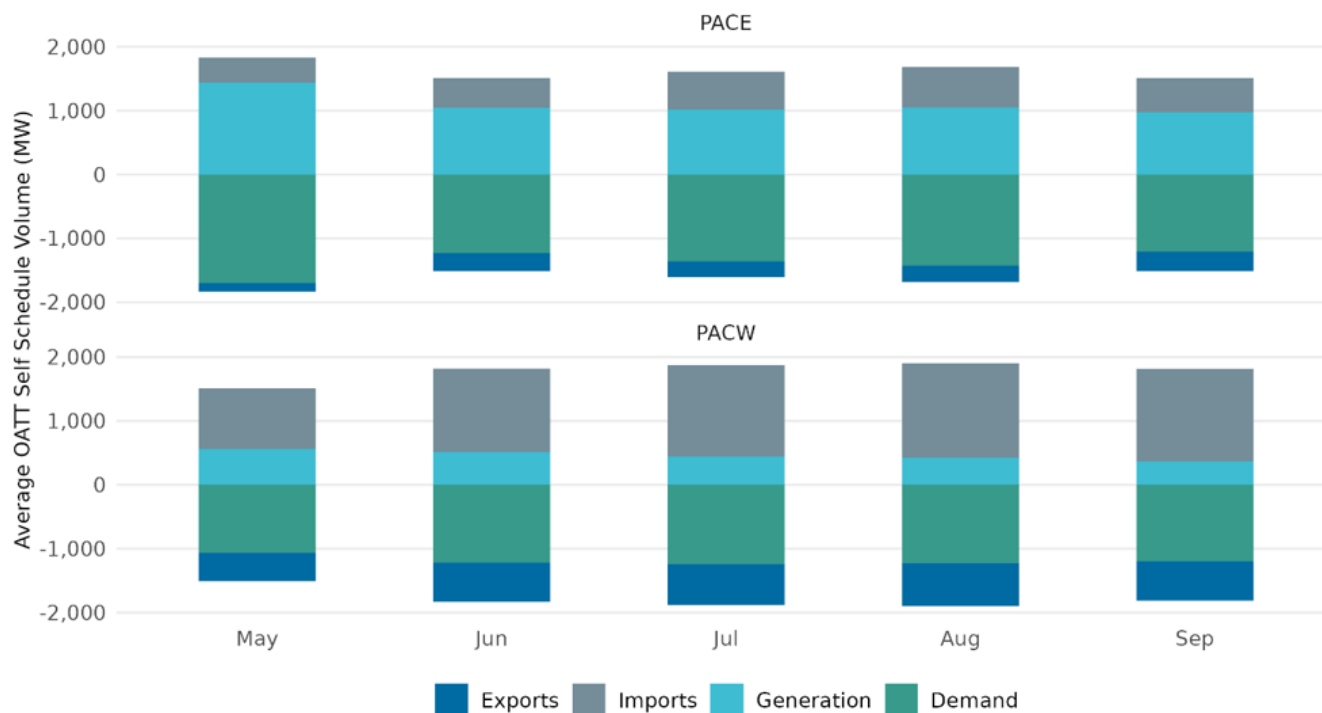
- In September, CISO constraints, on average, impacted PACE ELAP prices by -\$0.65 and PACW ELAP by \$0.72
- Congestion arose largely from energy product while IR congestion was minimal
- There was no PAC area congestion for flow-based constraints

## Total EDAM congestion revenues in September were \$52.7M due to CISO area constraints



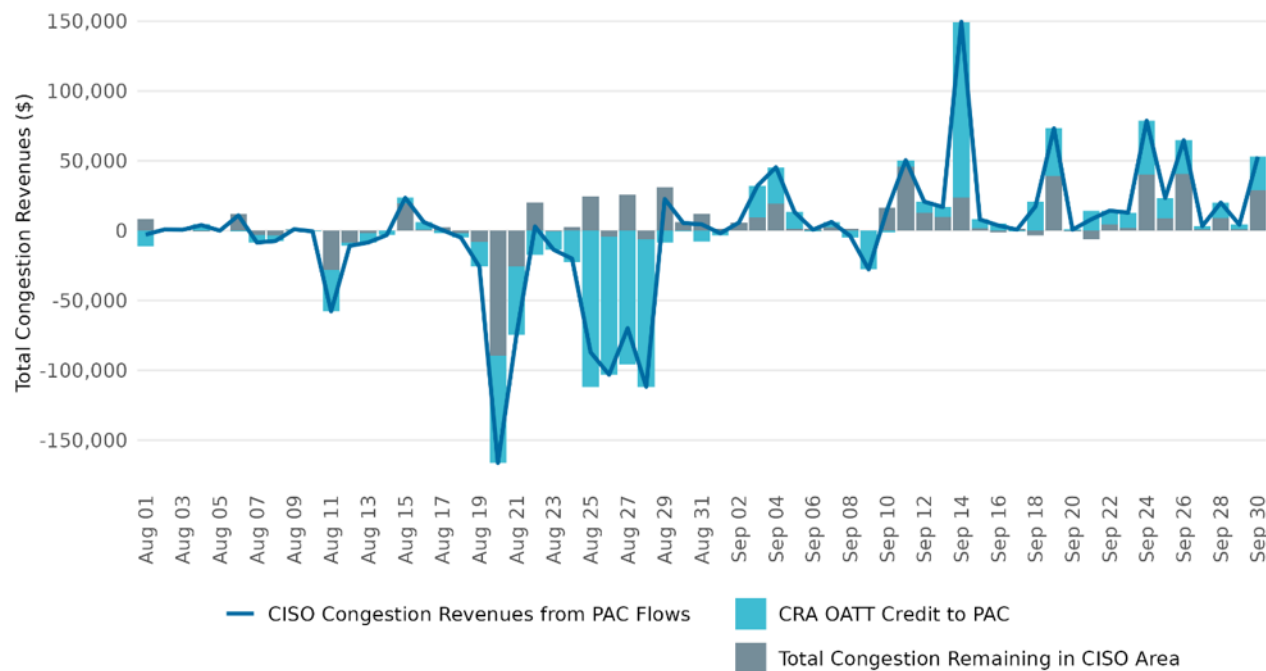
Over 99 percent of collected congestion revenues in EDAM arose from CAISO constraints

# The volume of CRA eligible self-schedules remains steady since EDAM implementation



The proportions of OATT balanced self-schedules to overall self-schedules for PACE and PACW were 46% and 72% in September

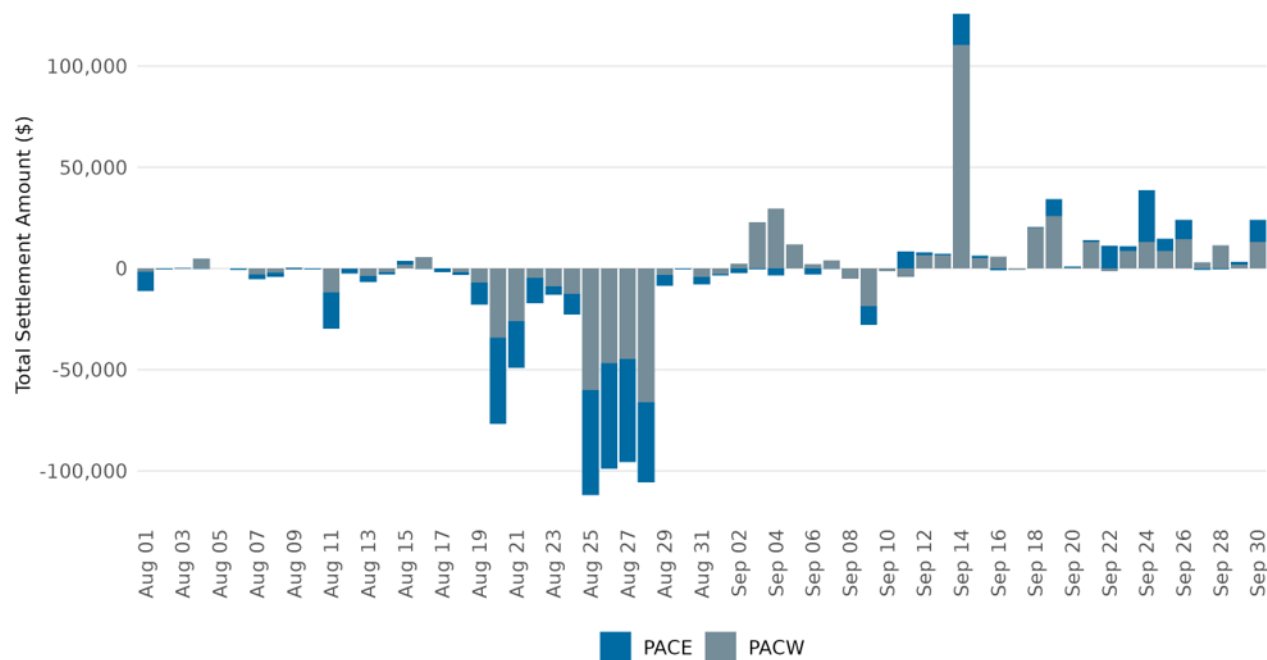
# Congestion revenues from PAC transactions on CISO constraints in September totaled \$710k



- Totals include both revenues allocated back to PAC for OATT credits as well as congestion revenues from non-OATT transactions
- About \$392k credited back to PAC for self schedules associated with OATT rights leaving approximately \$318k in the CAISO area

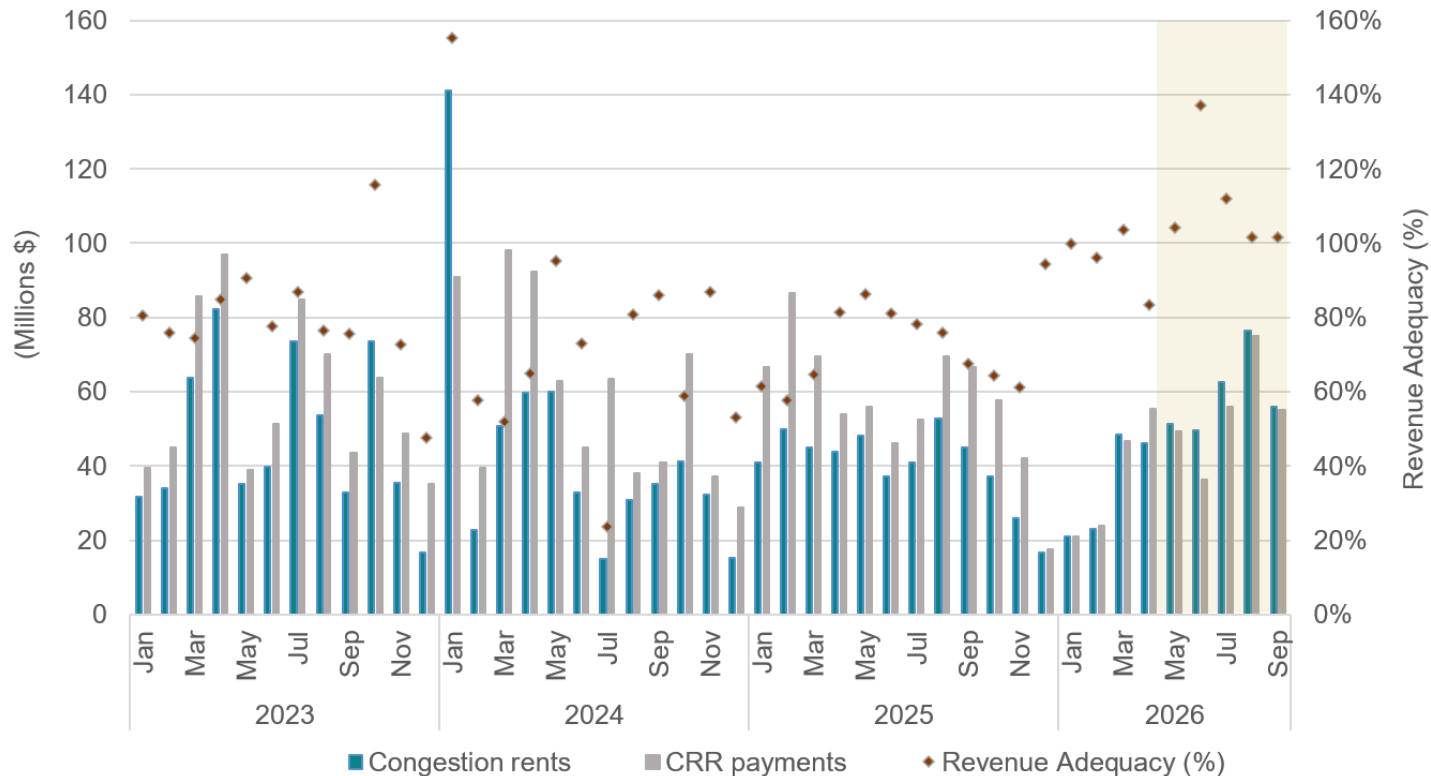
# Revenue allocation for parallel flows from exercised transmission rights on CISO constraints totaled \$392k

Estimated congestion revenue allocation to PAC areas from OATT credits



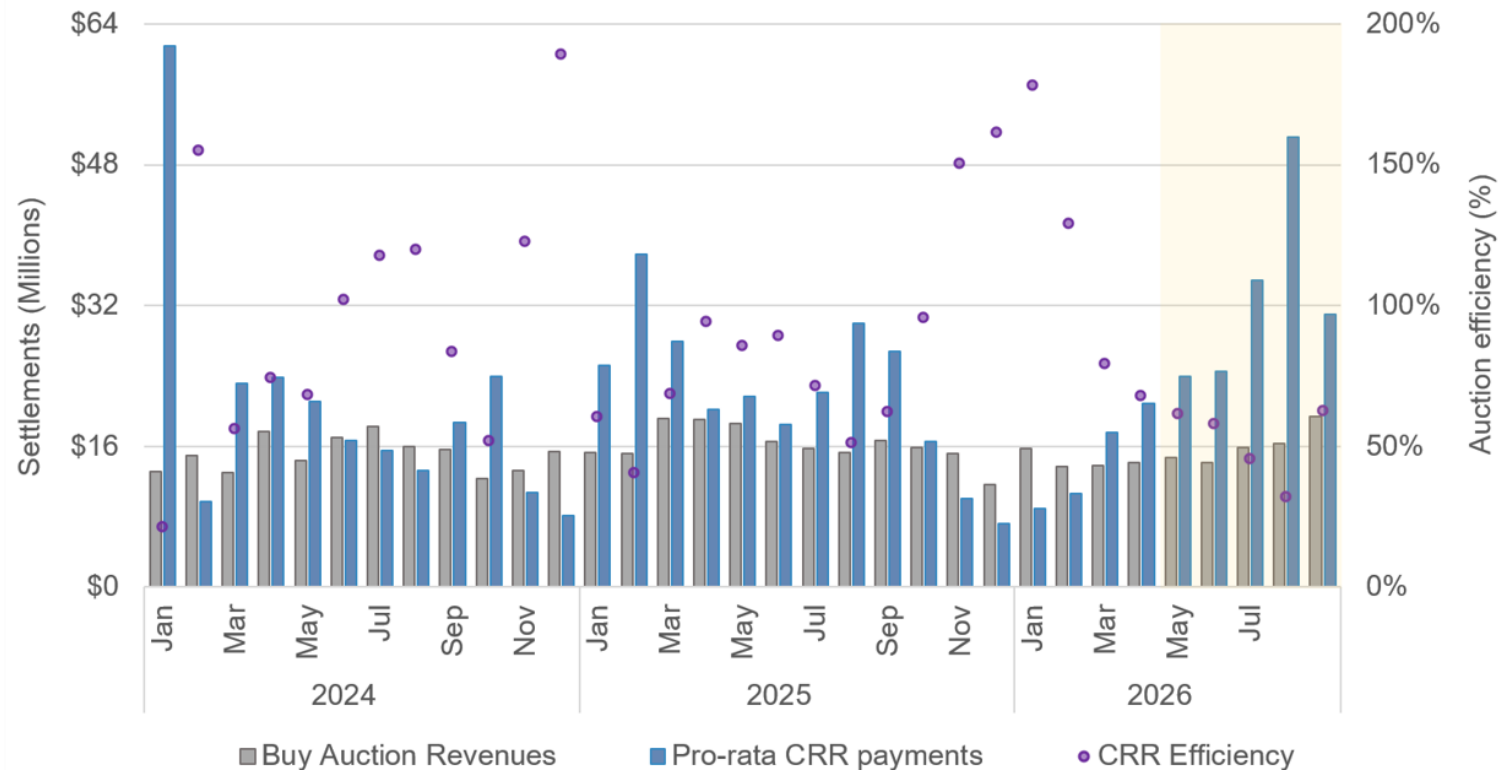
- Negative values reflect a charge back to PAC due to their schedules originally receiving congestion payments for providing counterflow to congestion in CISO areas
- \$83,300 for PACE and \$308,400 for PACW in September

# CRR revenue adequacy has been over 100% at the system level since EDAM launched



There is minimal impact on CRR revenue adequacy from the EDAM implementation given the low levels of congestion revenues involved so far in the congestion revenue allocation process

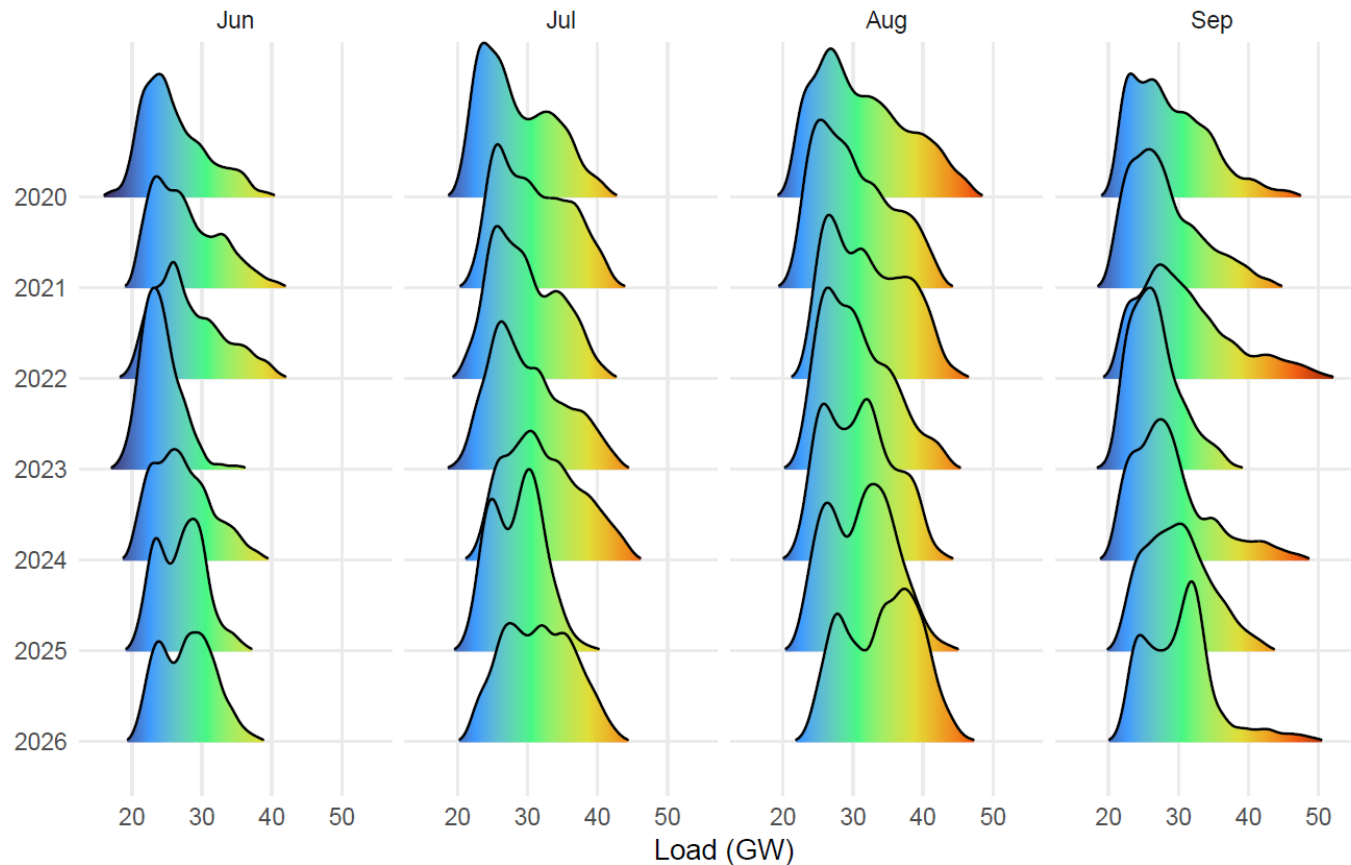
# CRR auction efficiency increased to 62 percent in September



This outcome is mainly due to lower congestion maintaining steady levels of auction revenues. This is not driven by EDAM implementation

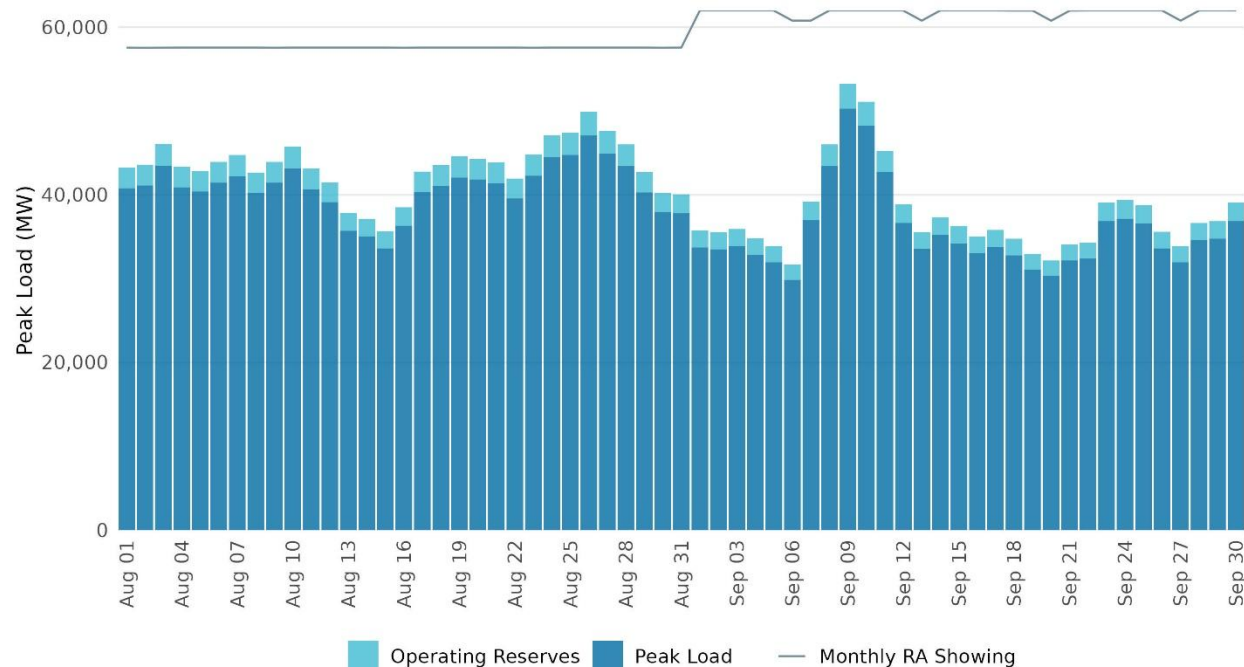
# SUMMER CONDITIONS

# The ISO peaked at 50,335 MW on September 9



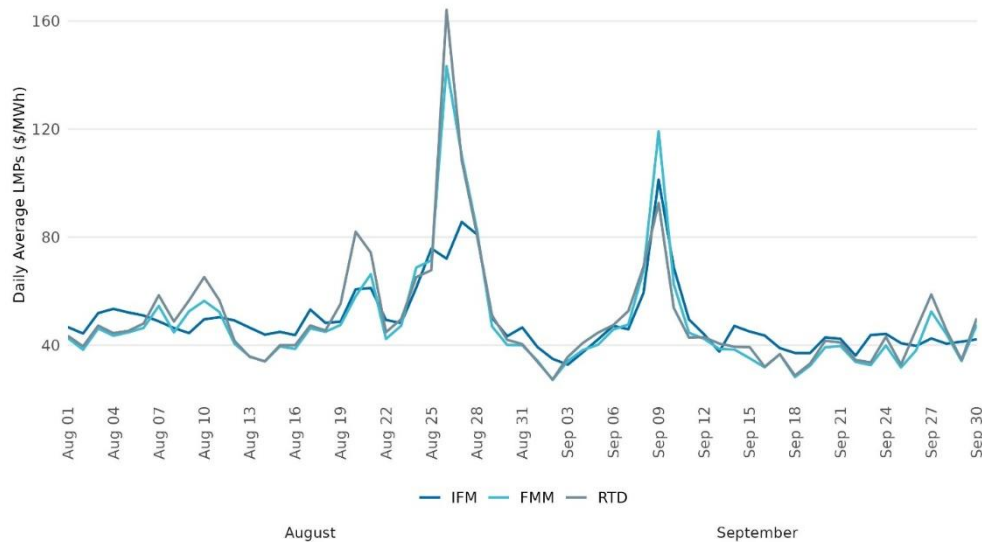
The September 9 peak of 50,335 MW was higher than the August ISO peak of 47,140 MW and reached the highest peak of the year. It was only about 3.3% below the all-time record of 52,061 MW on September 6, 2022.

# There was sufficient RA supply available in the system to meet CAISO's load conditions



- The highest five-minute average peak load for September was 50,252 MW.
- The September peak exceeded the CEC month-ahead forecast of 46,360 MW.
- Actual load remained below monthly RA showings throughout September, leaving sufficient RA headroom.

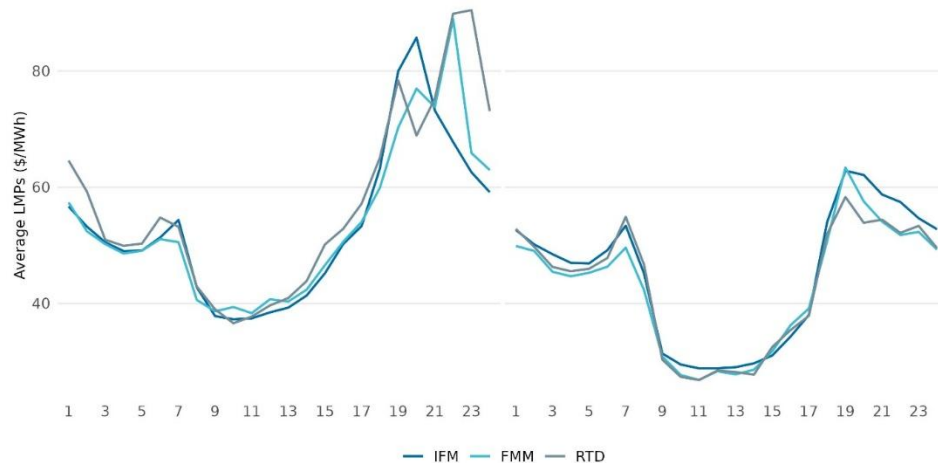
# ISO market prices decreased in September, with daily prices peaking on September 9



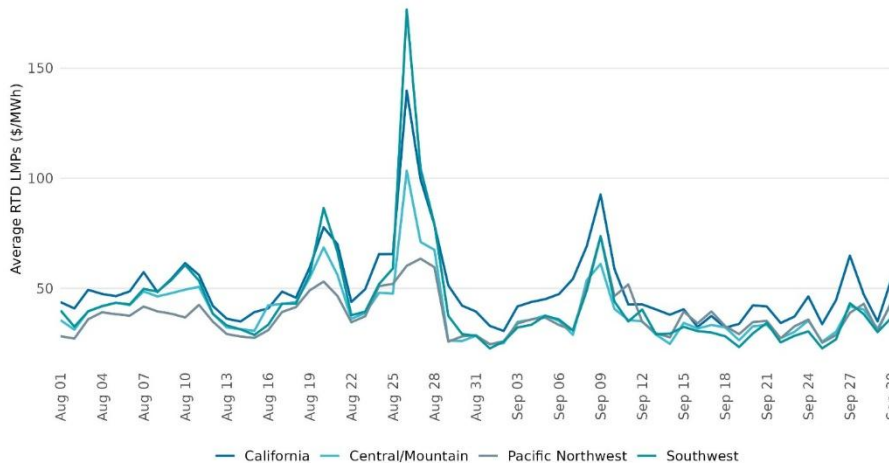
ISO market prices were generally lower in September than in August.

Daily prices peaked on September 9 across IFM, FMM, and RTD.

Hourly prices peaked at HE19 in September across IFM, FMM, and RTD.



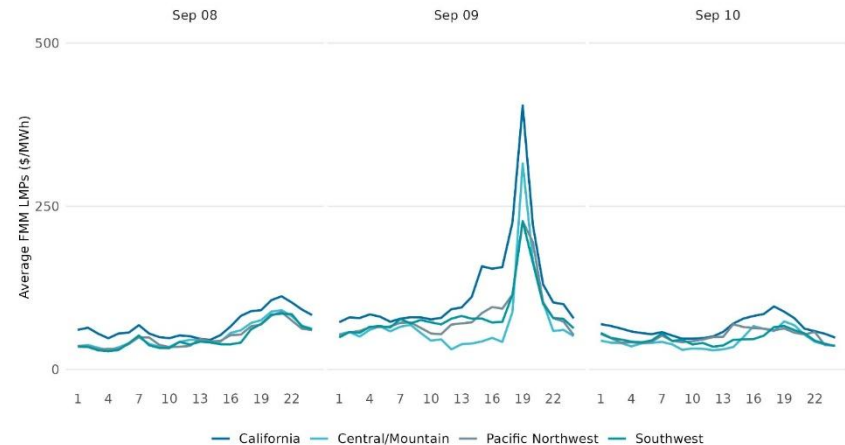
# Regional FMM and RTD prices were generally lower in September, with notable increases on September 9



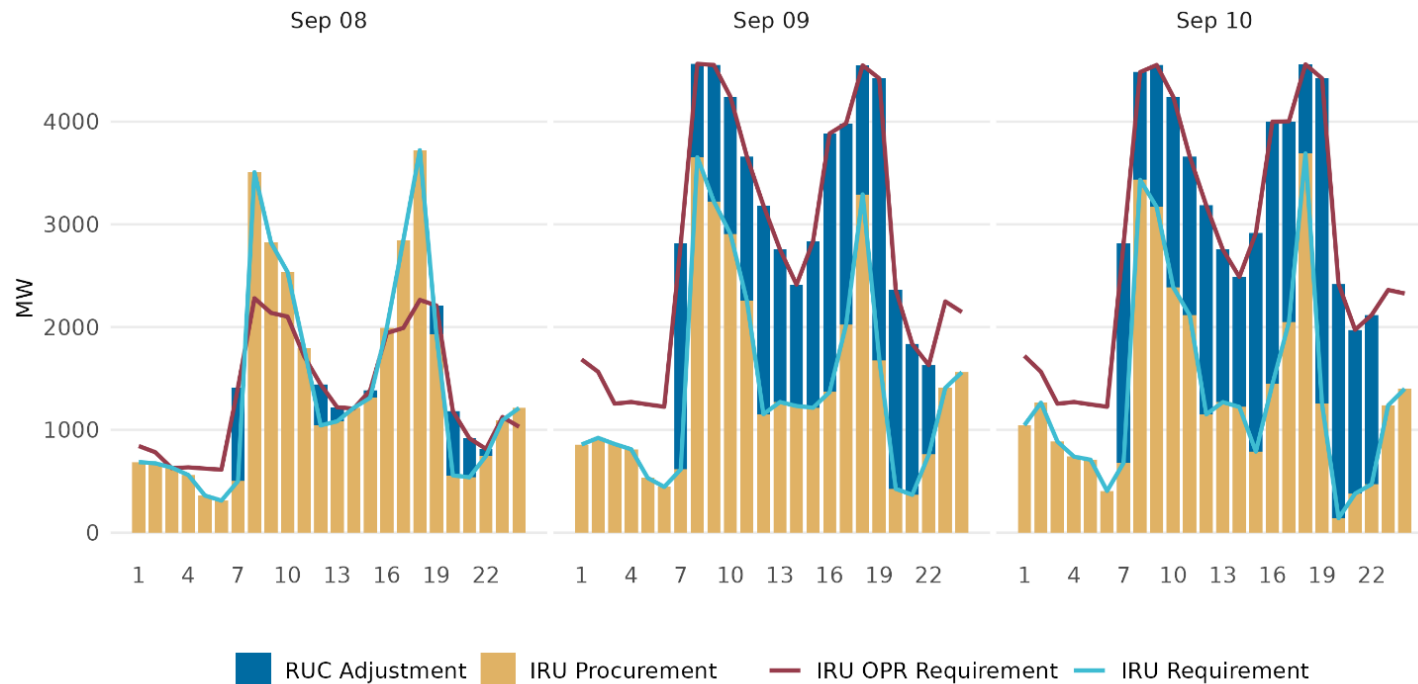
Daily average prices peaked in California on September 9 at about \$121/MWh in FMM and \$93/MWh in RTD.

Hourly prices spiked during the evening hours on September 9, particularly in California.

California average hourly prices peaked at \$405/MWh in FMM and \$193/MWh in RTD on September 9.

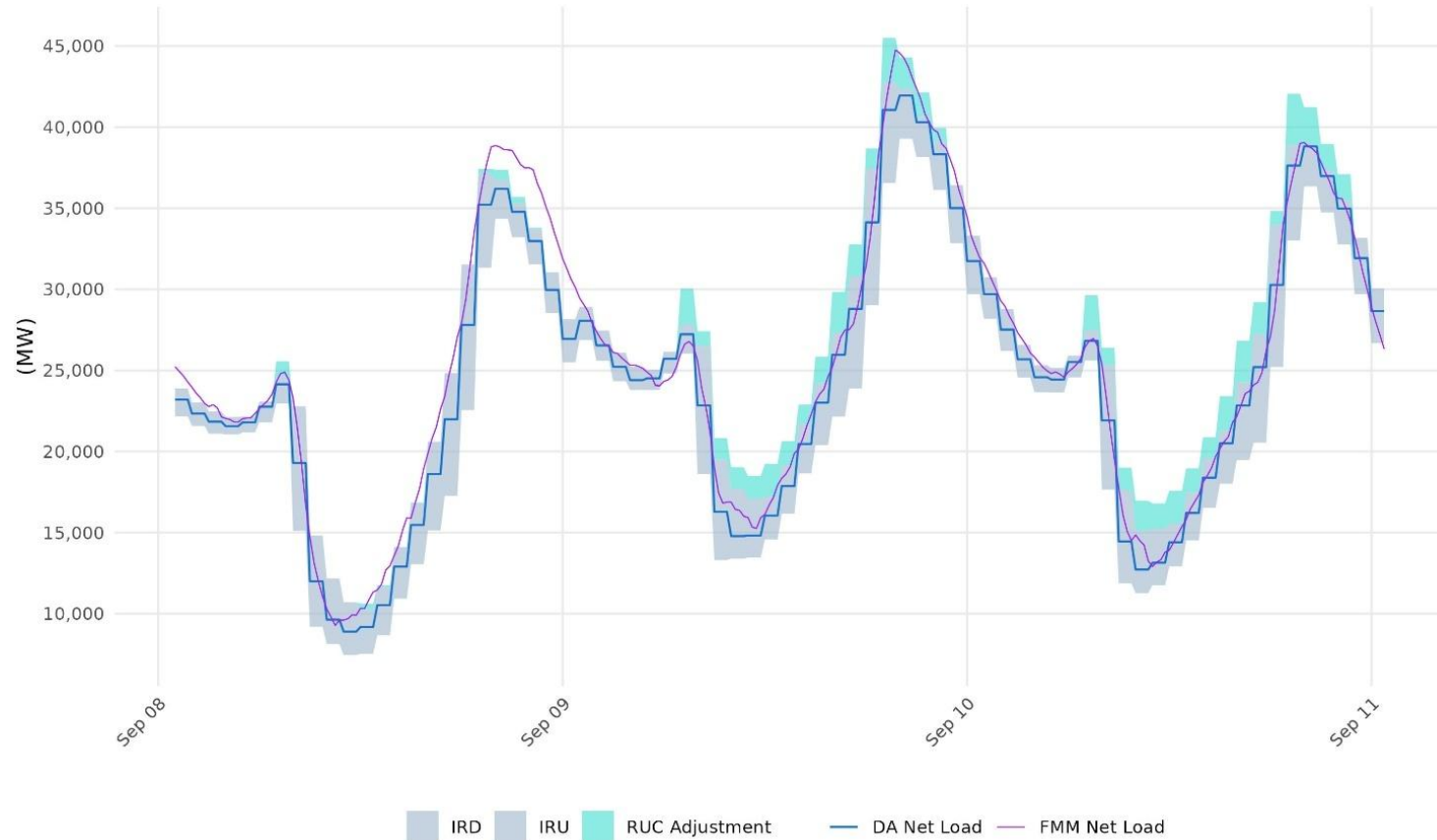


The combined IRU procurement and RUC adjustment were sufficient to meet the IRU full requirement during peak load days



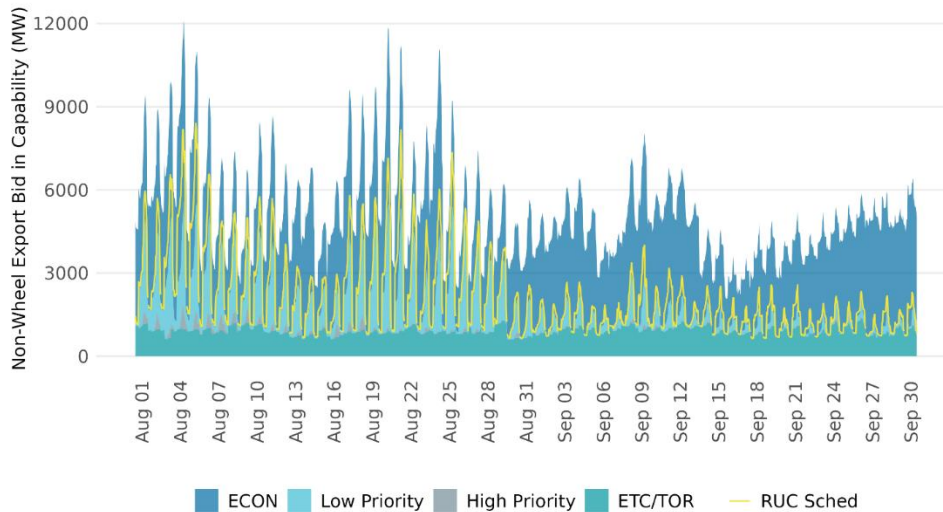
- The IRU procurement is following the IRU requirement from the market.
- RUC adjustment could compensate the shortfalls for IRU operation requirement during peak hours

# RUC adjustments on September 9 complemented the IR procurement to meet all operational requirements



Net-load under-forecast error in day-ahead led to large realized uncertainty in real time that was not fully covered by Imbalance Reserves

# Export volumes in September decreased compared to August.



The total of bid in export volume in September was lower comparing to August.

The highest RUC scheduled was in hour ending 18 on September 9<sup>th</sup>, at about 3,999MW.

The volume of exports cleared in real time peaked at 5074MW on September 9.

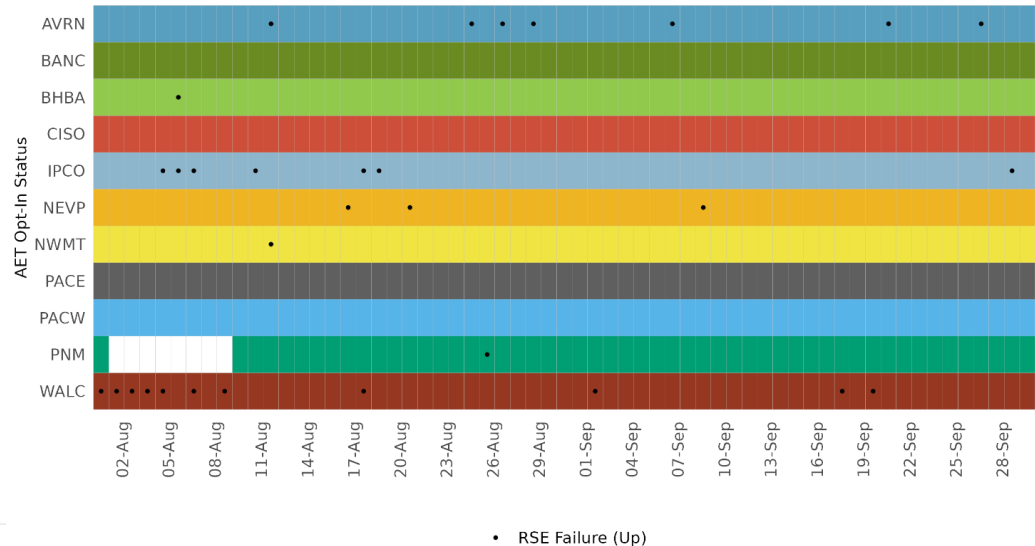
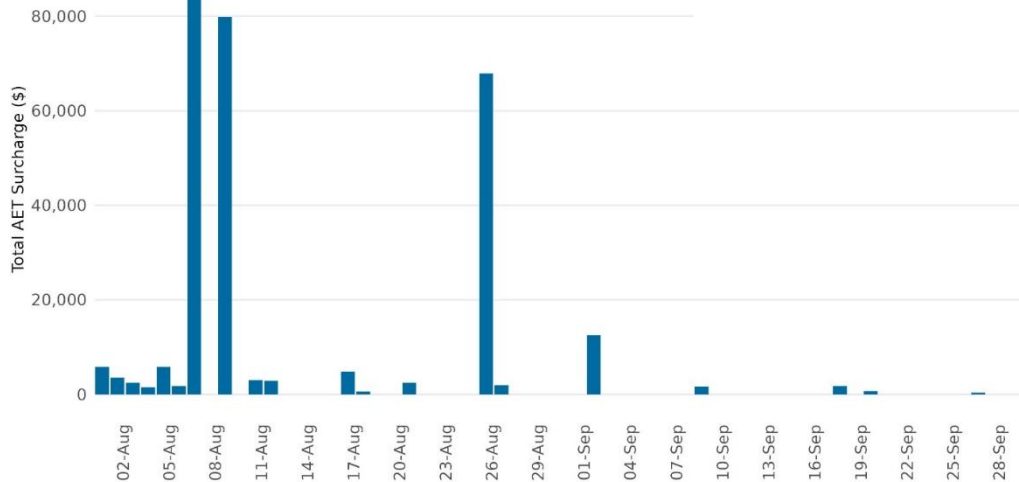
Low-priority bids constituted a significant portion of cleared exports.



# In September, the same 11 WEIM BAAs opted in for AET as in July and August

There were fewer upward RSE failures in September

Six WEIM BAAs did not have any upward RSE failures



AET surcharges totaled about \$17K in September

AET surcharge was only assessed for a total of five trading days in September

## The ISO is tracking several EDAM Market Issues

The following issues are new:

- Greenhouse Gas (GHG) Reference Point for Multi-Stage Generators (MSGs): An MSG resource submits a single GHG bid in the EDAM and this bid should cover the MSG to the plant Pmax. There is a software issue that is not applying the GHG bid to all MSG configurations. Status: Open
- Capacity Counting in the Resupply Test: The resupply test that occurs in the SIBR application and occurs five hours before the relevant trade hour is not accounting for day-ahead awards correctly. EDAM BAAs that fail to e-tag day-ahead intertie awards may be included in the EDAM up pool in the real-time market when they should be excluded. Status: Open

## The ISO is tracking several EDAM Market Issues

The following issues are new:

- Missing Scheduling Point Intertie (SP-Tie) Pricing Point: The Master File definitions for two SP-Tie combinations, DGAP\_BPAT-APND/BPAT.PGE and DGAP\_NWMT-APND/PGE.COLSTRIP, were not implemented. CAISO will correct all day-ahead and real-time market prices for these two SP-Tie pricing points from October 1-14, 2026 to be equal to the SP-Tie price on DGAP\_BPAT-APND/CAPTAINJACK\_PGE.

# The ISO is tracking several EDAM Market Issues

The following issues have previously been reported:

- Reliability Capacity Awards at negative prices: RC has been awarded at negative prices due to several factors, including software issues with MSG transitions, market-driven conditions related to optimality of solution and price formation. Status: Open
- In RUC when RCU and RCD bid prices are \$0, the optimization may procure both RCU and RCD in the same hour. This is not a logic issue but reflects an interplay with \$0 bids. CAISO will continue monitoring to ensure the new market functionality

# The ISO is tracking several EDAM Market Issues

The following issues have previously been reported:

- Missing IR deployment scenarios in the CRR clawback mechanism: The CRR clawback calculation does not account for IR deployment scenarios due to incomplete payload data from the market application to the CRR system. This issue impacts May 1, 2026 and remains on-going. The ISO is working to correct this in the T+70 BD settlement statements
- Flow Discrepancies for Intertie Constraints in the CRR system: When interties are mapped to multiple Intertie Constraints, the IFM flow calculation logic produces inaccurate results, leading to downstream misallocation of CRR revenues. Status: Open

# The ISO is tracking several EDAM Market Issues

The following issues have previously been reported:

- High Reliability Capacity Down prices due to solution limited by IFM commitment: Reliability Capacity Down can only be awarded to resources that are on-line and committed by the IFM. Additionally, down capacity range is limited by energy self-schedules, A/S and IR awarded in IFM. This issue is not a software issue but due to the requirement to run RUC only after IFM is complete so this issue is considered closed.
- Non-Participating Resources in RUC: To prevent RUC solution failures and ensure timely day-ahead market publication, select generator and MSG configurations were excluded from RUC participation and this resulted in a shutdown of affected MSG plants.  
Status: Open

# The ISO is tracking several EDAM Market Issues

The following issues have previously been reported:

- Daily Energy Limit not counted in EDAM RSE: Due to a software issue, the daily energy limit for use-limited resources is not enforced in the EDAM RSE allowing these resources to be credited for more capacity than is available in the market. Status: Open
- Bid Cost Recovery for Hybrid Resources: There is an issue processing the submitted bid costs for hybrid resources which is resulting in high bid cost recovery payments. Status: Open
- Bid Cost Recovery for Dispatchable Demand Resources (DDRs): There is an issue processing the submitted bid costs for DD Rs which is resulting in high bid cost recovery payments. Status: Open

# The ISO is tracking several EDAM Market Issues

The following issues have previously been reported:

- Low-Priority Exports in RUC: Low-priority exports receive a \$250 proxy Reliability Capacity Up bid in RUC and will be curtailed when RUC prices are \$250 or higher. There are two software issues impacting the bid set-up and curtailment for low-priority export. Status: Fixed on October 1, 2026
- High-Priority Exports in RUC: Under the current implementation, high-priority exports (PT exports) do not receive a proxy Reliability Capacity Up bid in RUC. As a result, PT exports cannot be reduced through RUC. Status: Open



# Next year's forum: January 26, 2027

*\*Tentative until confirmed though a in the ISO's Daily Briefing*

# Reference

- A comment template will be available following the meeting. Please email us your comment template document to [ISOstakeholderaffairs@caiso.com](mailto:ISOstakeholderaffairs@caiso.com) by Nov 12, 2026.
- Visit forum webpage for more information:  
<https://www.caiso.com/meetings-events/topics/market-performance-and-planning-forum>
- If you have any questions, please contact Brenda Marquez at [bmarquez@caiso.com](mailto:bmarquez@caiso.com) or [isostakeholderaffairs@caiso.com](mailto:isostakeholderaffairs@caiso.com)

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