FERC Order No. 881 Compliance

Tariff Stakeholder Call

January 24, 2025

Housekeeping reminders

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

- These collaborative working groups are intended to stimulate open dialogue and engage different perspectives.

- Please keep comments professional and respectful.

Instructions for raising your hand to ask a question

- If you are connected to audio through your computer, open the participant and chat panels on the bottom right. ✋

- If you dialed in to the meeting, press *3 to raise your hand.

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

- You may also send your question via chat to all panelists.

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The Commission has accepted the CAISO's Order No. 881 compliance filings

- ## Order issued April 20, 2023 accepting compliance filing
  - Including effective date on or before June 15, 2025, subject to filing a notice within 5 days of the actual effective date

- ## Order issued December 23, 2023 accepting further compliance filing
  - Revised definition of Transmission Line Ratings to specify that relevant transmission equipment may include, but is not limited to, circuit breakers, line traps, and transformers
  - Incorporate language in its tariff to state exceptions to the use of ambient adjusted ratings will be reevaluated at least every five years

Additional revisions – fall back ratings

- On compliance the CAISO proposed that if we experience a data failure, the CAISO will use the seasonal ratings for the relevant transmission line for the applicable trading hour

    – Order No. 881 states that transmission providers should use the applicable seasonal rating if AAR is unavailable (Paragraph 180)

California ISO

Energy Management System Fall Back logic

- In the event of a data failure, we are proposing the following fallback logic in EMS

  - EMS will use the last good ICCP rating for a configurable period of time before switching to AARs from webLineR

  - If AAR data is not available, EMS will use seasonal ratings

California ISO

Market Fallback Logic

- In the event of a data failure, we are proposing the following fallback logic in the market applications
  - RT market will use last hourly rating received for the relevant trading hour or if none exists the seasonal rating
    - The CAISO will pull six hours of ratings before it runs the real-time market, so its will have hourly ratings for a six hour period before falling back to seasonal ratings
  - DA market will use last hourly rating received for the relevant trading hour or if none exists the seasonal rating
    - If, in the exercise of good utility practice, the CAISO Market Operator sets a flag to do so before the IFM, the DA market will use prior day's payload from webLineR that includes 3 days of hourly data for the applicable trading day
    - If the CAISO Market Operator does not set flag, DA market will use seasonal ratings

Implementation Forums

Forum	Summary	Schedule	Presentations & Recordings
Release User Group (RUG)	Discuss project milestones and deliverables	Tuesday every other week 10-11 AM PT	https://www.caiso.com/meetings-events/topics/release-users-group-rug
Technical User Group (TUG)	Discuss technical design, implementation, and evolution	Tuesday every other week 10-11 AM PT	*https://developer.caiso.com/Pages/Meetings/technical-user-group.aspx
Market Simulation Forum	Covers active and upcoming customer testing activities	Typically Thursday weekly – refer to Calendar 2-3 PM PT	https://www.caiso.com/meetings-events/topics/market-simulation-meeting

The are open forums available on the CAISO Calendar: https://www.caiso.com/meetings-events/calendar; no registration required

*Developer site requires active user account – please submit registration request at https://developer.caiso.com

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Implementation – webLineR Interfaces & References

Interface/Reference	Status	Summary	URLs
FERC881 Business Requirements Specification	Available	- FERC 881 implementation requirements - Includes webLineR access/role information - Includes Market Simulation Guidance for customer testing in "MAP Stage" environment once that activity starts	http://www.caiso.com/informed/Pages/ReleasePlanning/Default.aspx > FERC order 881 > BRS Track 2
Access & Identity Management (AIM)	Available	- Use to Provision User/Certificate Access webLineR – work with your organization's User Access Administrator	https://aim.caiso.com/
webLineR API Documentation / Specifications	Available	- yaml files - OpenAPI specifications	*https://developer.caiso.com/pages/application.aspx?app=WEBLINER
API Tutorials – REST API services	Available	- Instructions for configuration of and use of a mock API service to via cURL command, Python and Postman (a free tool for API testing)	*https://developer.caiso.com/pages/tutorials.aspx
webLineR API Mock Services	Available	- Standalone services to test API connectivity and interaction - Not integrated with webLineR system - Preview of webLineR APIs	https://mapstage-apimock.caiso.com/mocks?appname=webliner
webLineR User Interface	Available	- In non-Production, "MAP Stage" environment - This is the connected with the native MAP Stage webLineR system - Requires CAISO certificate and access – work with your UAA	https:/mapstage-webliner.caiso.com
webLineR API	Mid-March 2025	- Will be in non-Production, "MAP Stage" environment - Requires CAISO certificate and access – work with your UAA - Will be integrated with native MAP Stage webLineR system	Will be provided closer to start of API connectivity tests mid-March 2025

*Developer site requires active user account – please submit registration request at https://developer.caiso.com

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Implementation – webLineR Access Matrix

Belongs to	Org Type	Read Only	Define Data	Read/Write	Define Data
CAISO BAA and EDAM/WEIM Market Participants and Non-Market Participants		Yes	CAISO only Equipment and Rating Data	No	N/A
RC WEST	RC Note: EIM and EDAM Entities included	Yes	All Equipment and Rating Data	No	N/A
RC WEST	TOP Note: EIM and EDAM Entities included	Yes	All Equipment and Rating Data	Yes	Read to all and Write to their own equipment only
RC WEST	BAA Note: EIM and EDAM Entities included	Yes	All Equipment and Rating Data	No	N/A
Not RC WEST (Not WEIM Market)	TOP	No Note: Cannot access webLineR data directly but can get information if needed through their Reliability Coordinator.	N/A	No	N/A
Not RC WEST (Not WEIM Market)	BAA	No Note: Cannot access webLineR data directly but can get information if needed through their Reliability Coordinator.	N/A	No	N/A
Not RC WEST (Not WEIM Market)	RC	Yes	All Equipment and Rating Data	Yes	Read to all and Write to their own TOP equipment only
Not RC WEST (WEIM Market)	TOP-EIM	Yes	All Equipment and Rating Data	Yes	Read to all and Write to their own equipment only
Not RC WEST (WEIM Market)	RC	Yes	All Equipment and Rating Data	No	N/A
Not RC WEST (WEIM Market)	BAA *(Like EIM NON RC OMS CONTRACT FOR EIM)*	Yes	All Equipment and Rating Data	No	N/A
Not RC WEST (WEIM Market)	EDAM	Yes	All Equipment and Rating Data	No	N/A
Not RC WEST (WEIM Market)	EIM	Yes	All Equipment and Rating Data	No	N/A
Not RC WEST (WEIM Market)	EIM BAA TO	Yes	All Equipment and Rating Data	No	N/A

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Next Steps

- Please submit comments by end of day February 7, 2025, through the CAISO's commenting tool on [the initiative webpage](#).

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