FERC Order 881: Managing Transmission Line Ratings – Phase 2

Data Submission Working Group

April 24, 2024

Raja Thappetaobula/Sirajul Chowdhury

Reminders

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

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

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 at the bottom of your screen.
  Note: #2 only works if you dialed into the meeting.
  - Please remember to state your name and affiliation before making your comment.

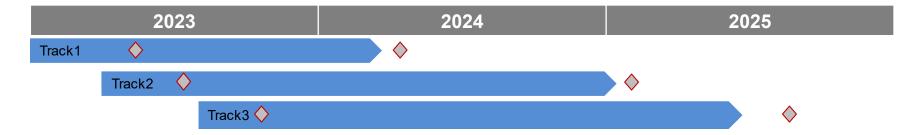- You may also send your question via chat to either Isabella Nicosia or to all panelists.

ISO Public

Agenda

Topic	Presenter
Welcome & introduction	Isabella Nicosia
FERC Order No. 881 Project Timeline	Raja Thappetaobula Sirajul Chowdhury
Real time AAR Progress	Raja Thappetaobula Sirajul Chowdhury
Next steps	Isabella Nicosia

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FERC 881 Project Timelines by Tracks

2023	2024	2025
Track1 ◇ ◇		
Track2 ◇ ◇		
Track3 ◇	◇	

- **Track 1 – Real Time Reliability Applications**
  - Minor delays in application deliver timeline with FAC-11 additions to the project
  - Estimated - Target Capability to be ready by Q2 2024

- **Track 2 – Operational/EMS Model Data and Applications**
  - July 2023 - Complete Business Requirements
  - OATI WebLineR product will be utilized for receiving Look ahead ratings.
  - Estimated - Target Capability to be ready in late 2024/early 2025

- **Track 3 – Market Application and Look Ahead Applications**
  - Requirements phase will be started in Jan 2024.
  - Based on requirements gathering and vendor/internal resources constraints potential for delay in some aspects of implementation.
  - Estimated - Target Capability to be ready in Q2 2025.

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OATI WebLineR:

- CAISO/RCWEST has signed an agreement with OATI on developing OATI webLineR product for CAISO's AAR rating management.

- We are working with OATI on schedule and requirements.

- Will share with TOP's once we finalize requirements on how ratings will be acquired.

2024 Q1/Q2 work goals :

- Work with WECC System Review Subcommittee (SRS) and collaborate on seasonal model development that reflect 4 seasons.

- Collaborate and develop a process with TOP and other RC in western interconnection on Tie line AAR rating management.

- Discuss and develop process to calculate updated TTC for inter area paths that are impacted by AAR ratings.
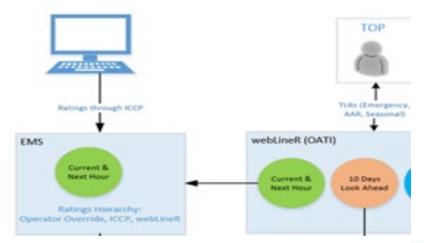
Data submission work progress.

- ISO uploaded template filled with TOP/BAA model data from DB125 model delivered on production November 14th 2023.
- Please review the ***FERC881_Dynamic_MVA_ICCP_Template_TOPName_DB125***, for your entity found on ***RC Portal > Working Groups > Data Exchange*** > FERC 881 Templates by Entity. Example below:

FERC881_Dynamic_MVA_ICCP_Template_AEPC_DB125.xlsx
FERC881_Dynamic_MVA_ICCP_Template_APS_DB125.xlsx
FERC881_Dynamic_MVA_ICCP_Template_AVA_DB125.xlsx
FERC881_Dynamic_MVA_ICCP_Template_CEN_DB125.xlsx
FERC881_Dynamic_MVA_ICCP_Template_CHPD_DB125.xlsx

- So far multiple BAA/IOU had one on one meeting with ISO SME and resolved most of the clarifying questions regarding how to fill out the template.
- Few entity are close to filling out ICCP ID, duration, reasonability limits based on their model by Q2 2024
- ISO will update template twice this year.
- Last update in 2024 will be from DB-132(M12). Model will go live week of 12/16/2024
- ISO will start to update template after each model build next year in preparation of go live in July 12th 2025. Data submission process will align with normal model update process via RIMS.
- ISO EMS software upgrade will be done by Q2 or Q3 2024

Priority scheme in EMS to process AAR

- ISO EMS will implement following priority scheme to derive active ratings for downstream reliability applications to use in real time.

    Priority 1: Operator manual update incase telemetered ratings are not accurate

    Priority 2: Real time telemetry via ICCP data link as long as telemetry is valid

    Priority 3: Current hour and next hour ratings from webLineR application(Q4)

    Priority 4: Update via WebOMS only if telemetry is not available or valid.

    Priority 5: Static four seasonal ratings from network model.

    Model update schedule is available in ISO website

- EMS will use hourly AAR from webLineR for current hour if entity does not provide telemetered AAR via ICCP or telemetry data quality is bad after ride through timer is expired.

- Rating duration in minutes will be updated from network model

- Rolling 10 days forecasted ratings from webLineR will be used by look ahead applications.

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Next steps

- Please submit comments on today's working group discussion by end of day May 8 using the template provided on the [initiative webpage](#).

- Stakeholders may submit additional comments or questions related to the implementation of FERC Order 881 to be considered in a future working group to ISOStakeholderAffairs@caiso.com.

ENERGY matters

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

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

http://www.caiso.com/about/Pages/Blog/default.aspx.

April 15, 2024
Inside the ISO, Markets

Working groups playing key role in policy development

At the California Independent System Operator, we value the views of stakeholders and take a variety of steps to make sure they are integrated into our market design and transmission planning efforts. Over the past couple of years, we have looked for opportunities to enhance our engagement practices to give them more meaningful input at all ...

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

New Resource Implementation Meeting

We will host a hybrid New Resource Implementation (NRI) stakeholder meeting on May 1, 2024.

If you plan to attend the in person, please **register** by end of day April 26, 2024. Virtual registration form

The final agenda and a presentation will be available prior to the meeting on the **public forums webpage**.

New training series: Resource Operations Readiness Training

Training Goal: to prepare customers in advance of summer to meet ISO expectations for successful resource management, especially during tight conditions.

These courses build on concepts shared during the May 1st New Resource Implementation meeting.

Resource Performance Expectations May 7th	Battery Performance Expectations May 15th	Managing Intertie Transactions May 16th	WEIM Resource Performance Expectations May 22nd
• Dispatch/Operating instruction response • Hybrid resource management • Outage cards completion • Flex Alerts/EEA response	• Resource capabilities • Correct Nature of Work • Off-Grid Charging Indicator • Physical management requirements	• Wheel-through concepts • Export priority • Tagging expectations • Flex Alert/EEA	• Assistance Energy Transfer • Demand Response process for WEIM

Register today at: https://caiso.regfox.com/resource-operations-readiness-training-series

Contact CustomerReadiness@caiso.com with questions.

Share this information with your staff!

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A new **caiso.com**
is coming in late May

Training sessions will be held on
May 23 from 9:00 a.m. – 10:00 a.m.
May 29 from 10:00 a.m. – 11:00 a.m.

Watch the Daily Briefing for details and
follow us on social media.