FERC Order 881: Managing Transmission Line Ratings – Phase 2

Data Submission Working Group

July 30, 2024

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Housekeeping reminders

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

- Meeting is structured to stimulate dialogue and engage different perspectives.

- Please keep comments professional and respectful.

- Please try and be brief and refrain from repeating what has already been said so that we can manage the time efficiently.
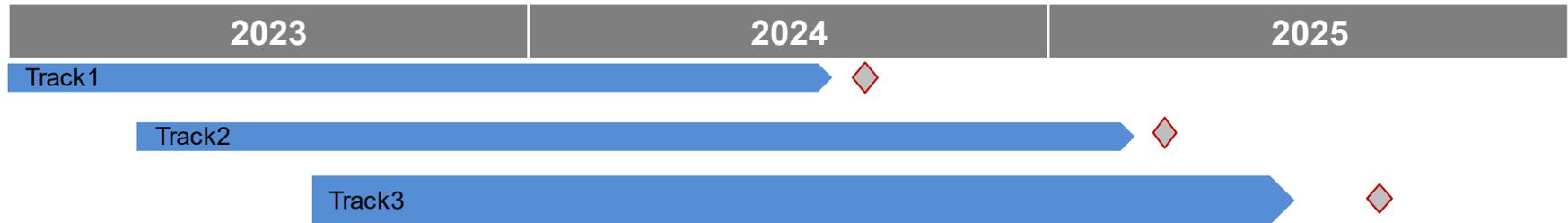
Instructions for raising your hand to ask a question

- 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.

- **Note**: *3 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 Christina Guimera or to all panelists.

Agenda

Topic	Presenter
Welcome & introduction	Christina Guimera
Project Time Line and OATI webLineR	Raja Thappetaobula/Sirajul Chowdhury
Next steps	Christina Guimera

California ISO

FERC 881 Project Timelines by Tracks

2023	2024	2025

Track1
Track2
Track3

- **Track 1 – Real Time Reliability Applications**
  - Delays in application deliver timeline with FAC-11 additions to the project.
  - Utilization of AAR in real time reliability applications.
  - Estimated - Target Capability to be ready by Q3 2024 . Originally Q2.

- **Track 2 – Operational/EMS Model Data and Applications**
  - OATI WeblineR product will be utilized for receiving Look ahead ratings.
  - Finalizing OATI functional specification document.
  - Estimated - Target Capability to be ready early 2025

- **Track 3 – Market Application and Look Ahead Applications**
  - Requirements phase started and should be complete by September 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.

California ISO

Data submission work progress.

- ISO uploaded template filled with TOP/BAA model data from DB129(latest) model delivered on production July 10th 2024.

- Please review the ***FERC881_Dynamic_MVA_ICCP_Template_TOPName_DB129***, for your entity found on ***RC Portal > Working Groups > Data Exchange*** > FERC 881 Templates by Entity. Example below:

FERC881_Dynamic_MVA_ICCP_Template_AEPC_DB129.xlsx	7/9/2024 12:15 PM
FERC881_Dynamic_MVA_ICCP_Template_APS_DB129.xlsx	7/9/2024 12:15 PM
FERC881_Dynamic_MVA_ICCP_Template_AVA_DB129.xlsx	7/9/2024 12:16 PM
FERC881_Dynamic_MVA_ICCP_Template_BPA_DB129.xlsx	7/9/2024 12:22 PM
FERC881_Dynamic_MVA_ICCP_Template_CEN_DB129.xlsx	7/9/2024 12:16 PM
FERC881_Dynamic_MVA_ICCP_Template_CHPD_DB129.xlsx	7/9/2024 12:16 PM
FERC881_Dynamic_MVA_ICCP_Template_DOPD_DB129.xlsx	7/9/2024 12:16 PM

- 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 Q4 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 early Q4 2024. Testing will start early 2025

OATI webLineR:

- CAISO and OATI is finalizing webLineR functional specification.

- webLineR tool will be the main Ambient Adjusted Rating and Seasonal rating management system for RCWEST TOP's.

- For CAISO PTO's current transmission registry will be primary interface for managing seasonal ratings and webLineR for managing Ambient Adjusted ratings.
  - The plan is to move PTO's seasonal rating management into webLineR as part of a future project.

OATI WebLineR:

- webLineR will construct the facility model by extracting relevant objects from a CIM file provided by the CAISO Enterprise Model Management System (EMMS).

- webLineR will support seasonal ratings and Dynamic ratings.

OATI WeblineR:

- webLineR will perform seasonal rating validation.
  - Reasonability range test
  - Rate of change test
  - Missing rating type test
  - Ascending rating type order test

- Participants will manage their seasonal ratings in webLineR via UI, CSV upload or API import. All changes in active ratings will be immediately transmitted to the downstream CAISO systems.

OATI WebLineR:

- webLineR submission API will enable TO participants to comply with the FERC order and submit AAR.
  - AAR submitted by participants will be validated.

- In addition to providing the forecasted ratings, AAR can be used to supply the real time ratings to webLineR. Participant can place the real time rating value into the current hour slot.

- webLineR will support one normal rating and up to 4 emergency ratings.

OATI WebLineR:

- All AAR will be retained in webLineR for a period of 5 years, in accordance with the FERC Order 881 requirements
  - Will be available for viewing on User Interface displays and can be downloaded via query API.

- webLineR will perform the ratings coordination (or ratings clearing) for tie-lines, where TO participants at each end can independently submit their own ratings.
  - webLineR will select the most restrictive (smallest) rating value in each time period as the cleared dynamic rating that will be transmitted.

Next steps

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.

https://www.caiso.com/about/news/energy-matters-blog

WESTERN ENERGY MARKETS
WEM

Story | Western Energy Imbalance Market

Western Energy Imbalance Market Governing Body adopts new name to reflect evolving role

By: Robert Kondziolka

07/18/2024

Story | Summer Conditions

Managing the July 2024 heat wave with our partners in California and the West

By: Dede Subakti

07/15/2024

California ISO   Subscribe to Energy Matters blog monthly summary

New Policy Initiatives Timeline

The California ISO has launched the Policy Initiatives Timeline to offer stakeholders a concise overview of ongoing policy initiatives. At a glance, it offers a snapshot view of key details such as the status of each initiative, projected timelines, and the current phase of the stakeholder engagement process. Updates to this timeline will be made weekly and posted on the policy initiatives landing page. For more information, stakeholders are encouraged to reach out to ISOStakeholderAffairs@caiso.com.

REGISTRATION IS OPEN

2024 STAKEHOLDER SYMPOSIUM

Welcome reception - Oct. 29
at Kimpton Sawyer Hotel, Sacramento, CA

Symposium program - Oct. 30
SAFE Credit Union Convention Center
Sacramento, CA

Visit the event website: www.reg.eventmobi.com/2024stakeholdersymposium

SPONSORSHIP OPPORTUNITIES AVAILABLE

Save the Date - Resource Interconnection Standards Fair on 9/17/24

The objective of this educational forum is to provide stakeholders with an opportunity to learn more about the ISO's interconnection process and recent changes affecting Cluster 15. If you plan to attend the meeting in person, please register by end of day Sept. 13, 2024.

The forum will include a series of presentations and discussions that outline the interconnection requirements for a new resource to connect to the ISO grid. Presentations will cover topics such as submitting an interconnection request application and declaration of commercial operation.

The following stakeholders are encouraged to participate:
*   Submitted an interconnection request application for Cluster 15
*   New and existing interconnection customers
*   Regulatory agencies
*   Consultants
*   Trade associations
*   Participating Transmission Owners

Stakeholders are invited to submit questions in advance to be addressed during the meeting. Please send questions to isostakeholderaffairs@caiso.com.

The final agenda and presentations will be posted prior on the meetings webpage.