



# FERC Order 881: Managing Transmission Line Ratings – Phase 2


Quarterly Initiative Update  
February 14, 2023

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# 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 on the top right above the chat window.

**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.

# Agenda

Topic	Presenter
Welcome & introduction	Isabella Nicosia
Q1 initiative update	Raja Thappetaobula
Next steps	Isabella Nicosia

# FERC 881 Quarterly Initiative Update

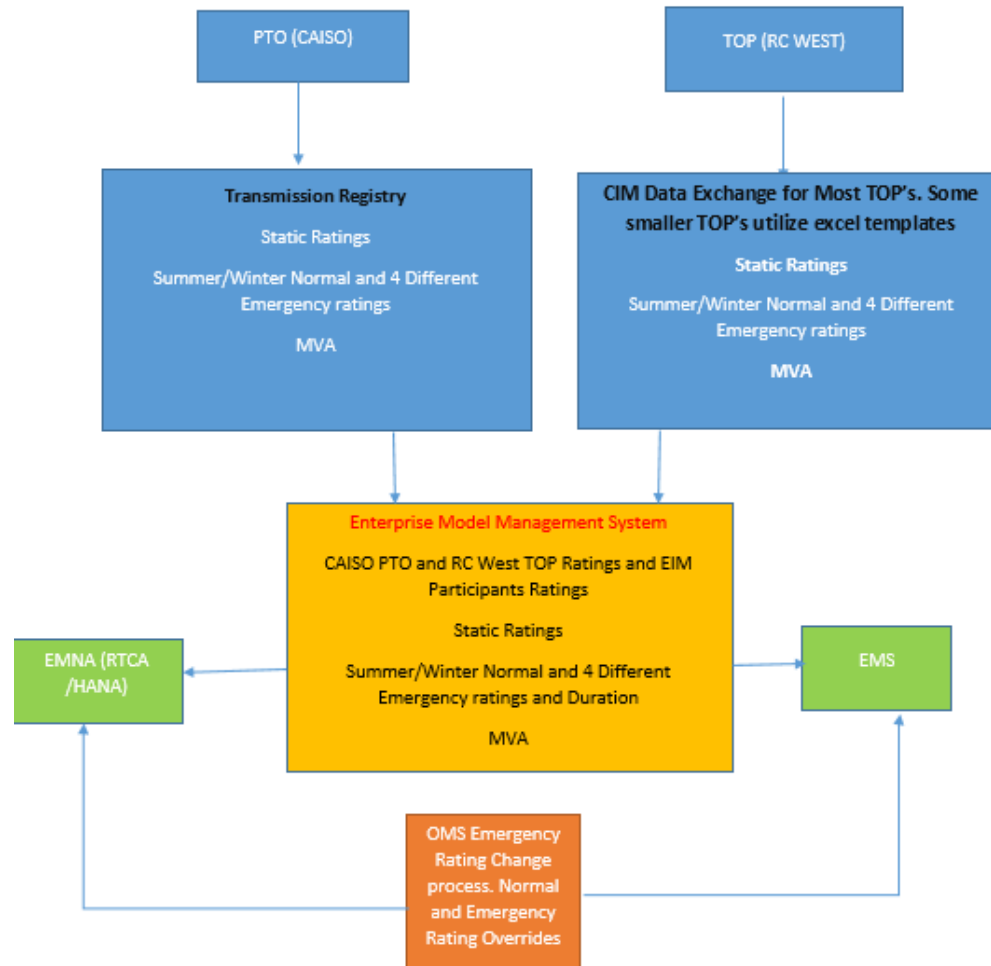
- FERC Order 881 designed to improve transparency of transmission line ratings.
- FERC Order 881 requires Transmission Owners (TO's) to implement ambient adjusted ratings on transmission lines over which they provide transmission service.
- FERC Order requires ISOs/RTOs to use AARs in their congestion management process and near term commitment markets.
- FERC Order requires ISO/RTO's to utilize ambient adjusted ratings (AAR) in evaluation or curtailment of near term (10 days or less) transmission service.
- ISO filed a compliance filing on 7/12/2022
- Full compliance required by 7/12/2025

# FERC 881 Quarterly Initiative Update

- ISO initiated a public stakeholder process
  - Quarterly initiative updates
  - Data submission working group – began 2/6/23
  - Small group discussions with participating transmission owners (PTOs) to ensure consistency in development of transmission line rating
- Three proposed tracks to develop our tools and processes to meet compliance requirements by 7/12/2025
  - Track 1: Real Time Reliability Applications
    - in progress; target 2023/2024
  - Track 2: Operational/EMS Model Data and Applications
    - target 2023/2024
  - Track 3: Market Applications and Look Ahead Applications
    - target fall 2025

# Real Time Ambient Adjusted Rating (AAR) Implementation

Current CAISO TOP and RC West Rating Consumption into Real Time Reliability:



# FERC 881 Quarterly Initiative Update

- FERC Order 881 requires at minimum utilization of 4 seasonal ratings.
  - ISO PTOs will need to follow the ISO transmission registry process to utilize 4 seasonal ratings.
  - RC West TOPs will need to follow the RC West IRO-010 data specification process to utilize 4 seasonal ratings.
- Real time AAR from both ISO PTOs and RC West TOPs will be acquired through Inter-Control Center Communications Protocol (ICCP) protocol.
- New interface will be developed to acquire look ahead ambient adjusted ratings (240 hours).



# Proposed timeline

Milestone	Date
White paper & process drawings	March 2023
Project timeline	March 2023
Track 1/Track 2 business requirement specification development	Jan - Jun 2023
IRO-010 and TOP-003 data specifications published	Q2 2023
Track 1 data submission templates/guides posted	Q3 2023
External training	Q3 2023
Track 1 data submission + testing	Q4 2023

*\*This is a high level schedule. All dates are tentative and subject to change.*

## Next steps

- Please submit comments on today's working group discussion by end of day February 28 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 meeting to [ISOStakeholderAffairs@caiso.com](mailto:ISOStakeholderAffairs@caiso.com).