

# Managing Transmission Line Ratings

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*Technical Rating Communication implementation workshop*



Various



# HIGH-LEVEL PROJECT MILESTONES

# MTLR Limit Exchange Portal (LEP) External Milestones

	Key Dates	Functionality
NX	12/1/2025	Fully functional Sandbox
NX production data	July 2026	Request for data from Participants to support migration to MTLR NX App i.e., Nominal and conditional ratings
LEP Operation production data	Sept 2026	Rating Providers enter data and ratings into Production LEP-Operational; Note LEP Historian will be available at this same time.
FERC 881 deadline	November 2026	Filing date is December 15, 2026



# LEP Sandbox update

- Targeting Friday 10 April 2026 to update LEP Sandbox.
- ISO-NE is working with the Vendor to get a few issues addressed
- Once the above work with the Vendor is done, ISO-NE will identify which release will get deployed.
  - ISO-NE will put details about what fixes will be in that release on the ISO-NE Project Page.
  - Will updated the LEP User Guide and post it

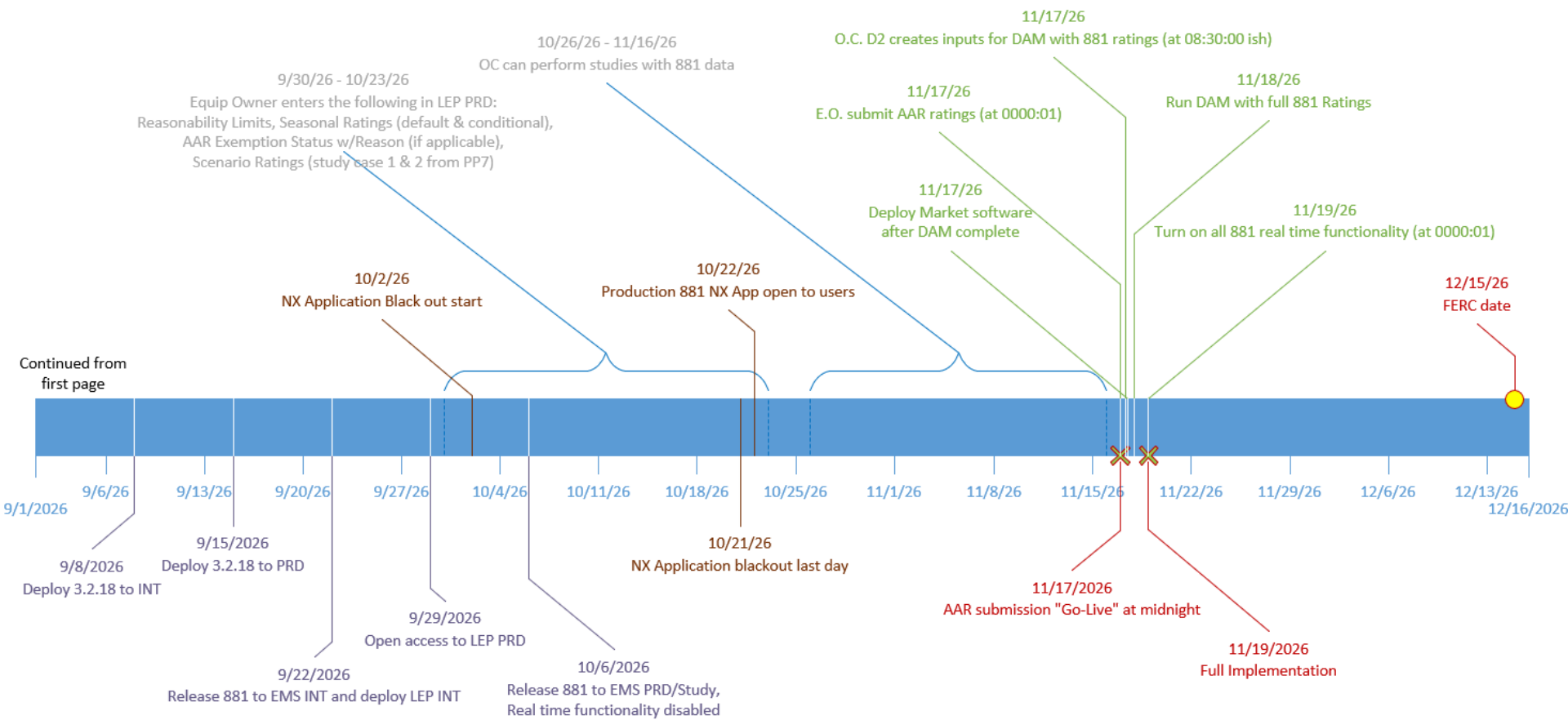
# ISO-NE TIMELINE

*The dates in the timeline are projected / tentative*



# NX / LEP Transition Schedule

Date	Event
6/29/2026 – 7/15/2026	ISO works with participants to transition NX Equipment data to FERC 881 format via email exchange of Excel templates. This needs to include Dynamic Ratings data for September Model Release
07/15/2026	Deadline for all new equipment NX9 forms to be provided for inclusion in September Model Release
09/15/2026	September Model Release
10/2/2026 – 10/21/2026	NX application unavailable during transition to FERC 881 format
10/22/2026	NX application available in FERC 881 format, no longer hosts seasonal ratings
10/2/2026 – 11/18/2026	Rating changes must be communicated via control rooms
11/19/2026	FERC 881 full implementation



# TIMING



# Real Time Proposal submission

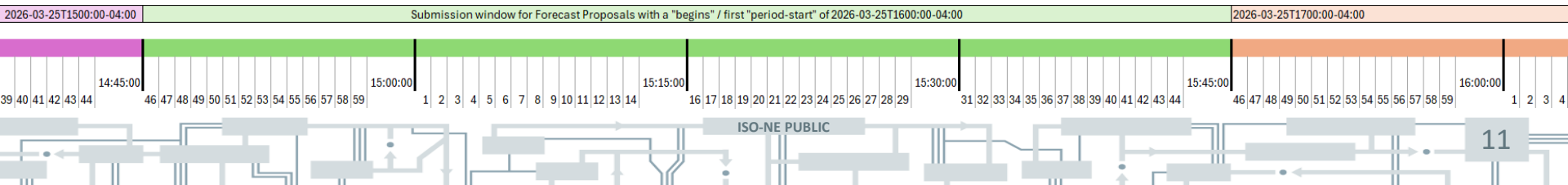
- API: POST `{{lep-url}}/rating-proposals/realtime`
- Once submitted it will be used for 60 minutes
  - If submitted at 0611:24, can be used until 0711:24
- When would a real time proposal get submitted?
  - Previously submitted forecast rating for the current hour is no longer correct, due to:
    - Change in temperature that results in a change in ambient adjusted ratings
    - Change in system conditions that results in a change in ambient adjusted ratings

# Forecast Proposal submission

- Can be submitted via:
  - API: PATCH `{{lep-url}}/rating-proposals/forecast`
  - UI
- All 72 hours must be provided
- Submitted hourly
- LEP has a 15-minute forecast cutoff setting
  - Means that Forecast Proposal with a “begins”/first “period-start” time of current hour +1, must be submitted before xx:45 of the current hour

# Forecast Proposal submission window

- “Begins” / first “period-start”: 2026-03-25T1600:00-04:00
- When would Forecast Proposals with the above begins/first period-start need to be submitted by: 1544:59 on 2026-03-25
- When can Forecast Proposals with the above “begins”/first “period-start” start getting submitted: 1445:00 on 2026-03-25



# Real Time ratings application

- Real Time rating application runs every 5 minutes
- Each execution the following happens:
  - Initiates a GET API call
    - Time from request generation to response: typically, less than 10 second
  - Time to process input data from LEP and determine effective ratings: less than 2 seconds
  - Time to create an effective ratings report and have it written back to LEP: less than 20 seconds
- Typical run time: less than 35 seconds

# Forecast rating application

- Forecast Ratings application runs every 30 minutes:
  - First run at xx:16
  - Second run at XX:46
- Each execution the following happens:
  - Initiates a GET API call
    - Time from request generation to response: typically, less than 15 second
  - Time to process input data from LEP and determine effective ratings: typically, less than 30 seconds
  - Time to create an effective ratings report and have it written back to LEP: less than 35 seconds
- Typical run time: less than 90 seconds

# COMMON QUESTIONS

# What temperature range should we use?

- Paragraph 185 states: "any methods for determining AARs must be valid for at least the range of local historical temperatures (over the entire period for which records are available) plus or minus a margin of 10 degrees Fahrenheit , in order to meet the pro forma OATT Attachment M requirement that an AAR reflect an up-to-date forecast of ambient air temperature."
  - It is Attachment Q in the ISO-NE OATT

# Is there a threshold for temperature changes and AAR updates?

- Paragraph 187 states: "we clarify that a transmission provider must implement AARs that update at least with every five degree Fahrenheit increment of temperature change, in order to meet the pro forma OATT Attachment M requirement that an AAR reflect an up-to-date forecast of ambient air temperature."
  - It is Attachment Q in the ISO-NE OATT

# How do I get access to another company's segment data

- Contact the other company
- Discuss getting read only access to ISO-NE's LEP for their data
- If allowed, the CAMS SA for other company would need to add the people and assign access
- After access is approved and certificate issues, use that certificate to run API queries to get needed data.

# Questions

