

# 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



# ISO-NE RATING APPLICATIONS ITEMS

*Review: EMS rating applications and ratings priority*

# EMS applications and ratings

- Real Time ratings application:
  - Will run multiple times each hour (every 5 minutes)
  - At the start of each run, it will get ratings from LEP
  - At the end of each run, it writes determined Effective Ratings to LEP
- Forecast ratings application
  - Will run at least once every hour
  - At the start of each run:
    - Gets updated data from the real time application
    - Gets time-based ratings from LEP
  - At the end of each run, it writes determined Effective Ratings to LEP



# Rating Priority

- EMS Rating software evaluates ratings at the Network Segment level starting with the 1st option below and stops evaluating once it has identified a usable rating set.
  - ISO-NE Manual Override
  - Ratings via ICCP – Only used in Real Time software
  - Time Based Ratings from LEP:
    - Order for use in real time file from LEP: Temporary Ratings, Real Time Proposal for current hour, then Forecast Proposal
    - Order for use in forecast file from LEP: Temporary Ratings or Forecast Proposal
  - Seasonal Ratings (Default or Conditional) for the applicable season
  - Nominal Ratings

# LEP FAILURE SCENARIOS

*This topic was presented to the M/LCC Heads and was requested to be presented at this meeting*

# LEP failure scenarios

- Scenarios:
  - ISO-NE LEP unavailable to all entities
  - ISO-NE EMS cannot access LEP
  - One LCC cannot access LEP
  - One Rating Provider cannot access LEP
- Going to identify how the ISO-NE software is expected to respond based on the software we have implemented and the functionality we are expecting to receive
- Do not know how the individual LCC EMS software will respond, will focus on ISO-NE software respond.



# ISO-NE LEP unavailable to all entities

- All Ratings Providers cannot update ratings
- ISO-NE software response:
  - Real-time ratings application uses Time Based Ratings from last LEP file
    - If LEP stays offline for > customizable period of time, reverts based on Rating Priority *[this is based on expected functionality from vendor]*
    - Updated real time Effective Ratings would not be written to LEP
  - Forecast ratings application reverts based on Rating Priority
    - Updated future hour Effective Ratings would not be written to LEP
  - Study applications reverts based on Rating Priority
- If there is a thermal exceedance, ISO-LCC discussion to confer on ratings to be used

# ISO-NE cannot access LEP

- All Ratings Providers updates ratings
- ISO-NE software response:
  - Real-time ratings application uses Time Based Ratings from last LEP file
    - If LEP stays offline for > customizable period of time, reverts based on Rating Priority *[this is based on expected functionality from vendor]*
    - Updated real time Effective Ratings would not be written to LEP
  - Forecast ratings application reverts based on Rating Priority
    - Updated future hour Effective Ratings would not be written to LEP
  - Study applications use seasonal ratings
- If there is a thermal exceedance, ISO-LCC discussion to confer on ratings to be used

# One LCC cannot access LEP

- Ratings Provider updates ratings as normal
- ISO-NE software response:
  - Real-time ratings application uses Time Based Ratings from LEP and Rating Priority
    - Can force segments to revert to seasonal either individually or by Rating Provider, NOT by LCC.
  - Forecast ratings application uses Time Based Ratings from LEP and Rating Priority
    - If Segments were forced to seasonal in Real Time software, that priority would be used in Forecast Application
  - Study applications would use Time Based Ratings and Rating Priority based on the Time of study
- If there is a thermal exceedance, ISO-LCC discussion to confer on ratings to be used

# Rating Provider cannot access LEP

- That Rating Provider cannot update ratings
  - LEP will have the previous Forecast Proposal submission
  - Hours that are missing, will be NULL
- ISO-NE software response:
  - Real-time ratings application uses Time Based Ratings from LEP and Rating Priority
    - If the access issue persists long enough to encounter NULLs, reverts based on Rating Priority
  - Forecast ratings application Time Based Ratings from LEP and Rating Priority
    - It will reverts based on Rating Priority for hours with NULL
  - Study applications would be based on Rating Priority and Time of study
- If there is a thermal exceedance, ISO-LCC discussion to confer on ratings to be used

# Questions

