Managing Transmission Line Ratings - UPDATED

Technical Rating Communication implementation workshop

Various

VARIOUS

Schedule

Date	Event
9/30/2026 – 10/30/2026	Rating Providers (TOs and GOs) enter required data into LEP (Section 4.1 of LEP User Guide)
10/2/2026 – 11/18/2026	Rating changes must be communicated via control rooms
11/17/2026	At midnight: Deadline for submitting Forecast Proposals
11/18/2026	Day Ahead Market run uses all provided LEP ratings
11/19/2026	FERC 881 full implementation (at midnight)

Who submits data to LEP

- FERC Order Nos. 881 and 881-A and the Open Access Transmission Tariff Attachment Q apply to all equipment owners.
  - An equipment owner is any market participant who submits ratings data for equipment pursuant to ISO New England Operating Procedure No. 16 Transmission System Data (OP-16) requirements for the NX application and required NX forms, including step-up transformers.
  - FERC Order Nos. 881 and 881-A are not applicable solely to transmission owners; it is applicable to generation owners as well.

LEP entries required for all entities

- Low & High Reasonability Limits
- Seasonal Ratings – 12 seasons
  - Default or Conditional Seasonal Ratings as applicable
- Scenario Ratings – 2
  - Study case 1 & 2 as identified in PP7
- AAR Exemption status with Reason.
  - If a Network Segment is exempt from the AAR requirements of FO 881, set the status to Exempt and provide a reason.

Rating Providers with missing entries (seasonal #/scenario #)

CAMS ID & Name & missing data (season/scenario)	CAMS ID & Name & missing data (season/scenario)	CAMS ID & Name & missing data (season/scenario)	CAMS ID & Name & missing data (season/scenario)	CAMS ID & Name & missing data (season/scenario)	CAMS ID & Name & missing data (season/scenario)
132874 AES Renewable Holdings_ LLC (15/15)	51329 Blue Sky West_ LLC (4/4)	126789 Clearesult Consulting Inc. (1/1)	50983 Emera Energy Services Sub 4 (2/2)	51101 GenConn Energy LLC (10/10)	129303 GSP Newington LLC (7/7)
51268 American PowerNet Management_ (3/3)	94626 Boott Hydropower_ LLC (1/1)	90 Concord Municipal Light Plant (4/4)	50186 Energy New England LLC (1/1)	167937 Generate NB Fuel Cells_ LLC (0/1)	102734 Hancock Wind_ LLC (5/5)
51401 Antrim Wind Energy LLC (2/2)	4 Boylston Municipal Light Depar (1/1)	50428 Constellation Energy Generatio (11/11)	51114 Evergreen Wind Power III_ LLC (2/2)	164700 Generation Bridge Connecticut (3/3)	127945 Hartree Partners_ LP (10/10)
1 Ashburnham Municipal Light Dep (1/1)	51368 Bridgewater Power Company_ L.P (1/1)	50491 Cross-Sound Cable Company_ LLC (2/2)	51070 Evergreen Wind Power II_ LLC (5/5)	164699 Generation Bridge M&M Holdings (1/1)	43 Holden Municipal Light Departm (2/2)
50760 Avangrid Power_ LLC (5/5)	132888 Brookfield Renewable Trading A (17/17)	126745 Downeast Wind_ LLC (4/4)	50876 Firstlight Power Management LL (16/16)	133724 Gravel Pit Solar_ LLC (2/2)	51065 Kimberly-Clark Corporation (1/1)
50794 Bear Swamp Power Company LLC (4/4)	50173 Brookfield White Pine Hydro LL (28/28)	51317 Dynegy Marketing and Trade_ LL (12/12)	168987 Flatiron Energy Capital LLC (2/2)	81309 Great River Hydro_ LLC (0/25)	50908 Kleen Energy Systems_ LLC (3/3)
89 Belmont Municipal Light Depart (2/2)	50085 Burlington Electric Department (1/1)	152217 Eagle Creek Madison Hydro_ LLC (4/4)	50879 Galt Power Inc. (2/2)	126810 Green Development_ LLC (4/4)	159 Liberty Utilities (Granite Sta (6/6)
51251 Black Bear Hydro Partners_ LLC (3/3)	50375 Calpine Energy Services_ LP (15/15)	128093 Eagle Creek Renewable Energy H (7/7)	51395 GB II Connecticut LLC (2/2)	50275 Green Mountain Power Corporati (26/26)	75 Littleton Electric Light & Wat (5/5)
51278 Blue Sky East_ LLC (1/1)	128964 Central Rivers Power NH_ LLC (10/10)	51209 EDF Trading North America_ LLC (7/7)	51439 GB II New Haven LLC (3/3)	40 Groton Electric Light Departme (2/2)	133889 Madison ESS_ LLC (3/3)

Rating Providers with missing entries (seasonal #/scenario #)

CAMS ID & Name & missing data (season/scenario)	CAMS ID & Name & missing data (season/scenario)	CAMS ID & Name & missing data (season/scenario)	CAMS ID & Name & missing data (season/scenario)	CAMS ID & Name & missing data (season/scenario)	CAMS ID & Name & missing data (season/scenario)
77 Mansfield Municipal Electric D (8/8)	111 North Attleborough Electric De (5/5)	75869 Ryegate Associates (1/1)	156 The Narragansett Electric Comp (5/5)	50439 Wallingford Energy LLC (14/14)	
50678 Massachusetts Bay Transportati (4/4)	126847 North East Offshore_ LLC (19/19)	120129 Salem Harbor Power Development (7/7)	129516 Three Corners Solar_ LLC (7/7)	51220 Waterbury Generation LLC (4/4)	
50927 Massachusetts Development Fina (19/19)	113189 NRG Business Marketing LLC (11/11)	87 Shell Energy North America (US (5/5)	132915 Three Rivers Solar Power_ LLC (1/1)	115242 Weaver Wind_ LLC (15/15)	
76 Massachusetts Municipal Whol (12/12)	50985 Pawtucket Power Holding Compan (8/8)	150 South Hadley Electric Light De (2/2)	50944 University of Massachusetts at (2/2)	128069 WEB Renewable Energy USA_ LLC (3/3)	
132847 McCallum Enterprises 1 Limited (1/1)	117 Paxton Municipal Light Depart (1/1)	152 Sterling Municipal Electric Li (2/2)	50853 Vermont Transco LLC (22/22)	186 West Boylston Municipal Light (1/1)	
51367 Messalonskee Stream Hydro_ LLC (1/1)	144 Peabody Municipal Light Plant (8/8)	78239 Stetson Holdings_ LLC (3/3)	51002 Vermont Wind_ LLC (1/1)	187 Westfield Gas and Electric Dep (4/4)	
80 Middleton Municipal Light Depa (4/4)	50745 ReGenerate Stratton LLC (3/3)	134755 SYSO Inc. (1/1)	2 Versant Power (9/73)	50808 Wheelabrator North Andover Inc (6/6)	
51321 New Hampshire Transmission_ LL (5/5)	132960 Revere Power_ LLC (0/9)	180 Templeton Municipal Light & Wa (2/2)	183 Wakefield Municipal Gas & Ligh (4/4)		
50086 NextEra Energy Marketing (30/30)	51363 Reworld REC_ LLC (5/5)	89297 Tenaska Power Services Co. (3/3)	133304 Walden Renewables Development (1/1)		

LCC compliant information

- VELCO will be fully ready
- LCC's that will **not** be ready:
  - NGRID has identified a delay of 3 to 6 months
  - RIE has identified a delay of 3 to 6 months
  - CMP has identified a delay of up to 2 years
  - CONVEX has identified a delay of up to 2 years
  - NSTAR has identified a delay of up to 2 years
  - NH has identified a delay of up to 2 years

AAR Exempt status

- Rating Provider should determine if a Network Segment is applicable or is not applicable to the AAR requirements of FERC Order 881.
  - If the Rating Provider determined the Network Segment is not applicable to the AAR requirements of FERC Order 881, in LEP the Rating Provider should set that Network Segment as AAR Exempt and enter a reasons based on their determination.
  - If the Rating Provider determined the Network Segment is applicable to the AAR requirements of FERC Order 881 but the monitoring LCC (TOP) is **not** going to be able to use AAR values, in LEP the Rating Provider should set that Network Segment as AAR Exempt and enter a reason associated with the monitoring LCC (TOP) not being able to use AAR values.

Impacts of missing data / settings

- For Network Segments that are **not** set as AAR Exempt, it means that Forecast Proposals with AAR values would be submitted each hour with at least 72 hours of data.
- Seasonal Snapshot function does **not** use Nominals for Network Segments that have missing Seasonal Submissions when determining Seasonal Effective Ratings.
  - Applicable entities will have to apply Nominal Ratings when determining Seasonal Effective Ratings for Transmission Facilities with multiple Network Segments.

- Both are compliance issues.

Seasonal rating change coordination

- After all initial data identified in Section 4.1 of the LEP User Guide has been populated Seasonal Rating changes must be communicated in advance to the monitoring LCC (TOP) so they know what changes you are making and when the Rating Provider will enter them into LEP Production.

Data validation in LEP during submission

- When submitting Seasonal, Nominals, Scenario, Forecast, or Real Time Proposal data it is compared against the Reasonability Limits.
- When submitting Reasonability Limit changes, LEP references all the entered active data to ensure it is within the new reasonability limit bounds.

Direction specific Network Segments

- If the equipment is in the ISO-NE Network Model, the Rating Provider would need to coordinate with ISO-NE to understand flow direction for IN and OUT based.
- General explanation of how Direction specific ratings work in the ISO-NE EMS software works.
  - In the ISO-NE Network Model a reference point associated with the line must be selected (i.e., FROM or TO).
  - The IN and OUT selection refers to the flow in to or out of the line based on the modeled reference point.
- This information was provided to the 3 Rating Providers who have direction specific ratings in the current ISO-NE network model & LEP (112, 81, and 50853)

ITEMS ADDED AFTER PRESENTATION

Providing and posting Rating Methodology

- Link to PP7 changes going through approval: https://www.iso-ne.com/static-assets/documents/100040/a06_2_pp7.zip
- Section 2.0 and Section 3.3 contain information about providing ISO-NE with your Rating Methodology and where it will be posted
- Section 3.3 identifies where the rating methodologies will be posted.

```
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Transition to -05
Repeating
T01:00:00

Keep going with -05
Starting with the
previous period end

Forecast Proposal submission with time change

- Row 769 the hour beginning of 01 is repeated but it uses an offset of -05.
- Row 777 repeats the date & time and then continues with an end time (row 778) of 1 hour later.

Questions

