



Managing Transmission Line Ratings

Technical Rating Communication implementation workshop

Various

VARIOUS



Schedule

Date	Event
9/30/2026	Open access to LEP Production
9/30/2026 – 10/23/2026	Rating Providers enter required data into LEP (Section 4.1 of LEP User Guide)
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
11/17/2026	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)



LEP Production is available

- Environment API URL endpoint, where {{lep-url}} will be:
 - For Production: <https://smd.iso-ne.com/lep-operations>
 - See LEP User Guide for application of the above
- LEP Production UI URL: <https://smd.iso-ne.com/lep-ui>
- Defect reported:
 - Cannot set the AAR Exempt status to Exempt for Networks Segments created via the Local Transmission functionality.
 - The fix for this defect was part of the LEP Production deployment.
 - In LEP Sandbox the fix will be deployed at a later date.



Models in LEP

- ISO-NE deployed/modeled equipment with NX9 forms based on OP-16 requirements to LEP-Operational
 1. Equipment with an NX9 form **and** is associated with a branch in the ISO-NE EMS Network Model
 - This model comes from an export of the ISO-NE EMS ratings application
 2. Equipment with an NX9 form that is **not** represented in the ISO-NE EMS Network Model
 - ISO-NE will add this equipment via LTS functionality. The name will start with “NX_ERN_”. Example: NX_ERN_11420
 - This equipment is in LEP Production
 - 516 items added under the associated Rating Provider, representing 488 NX9 Forms.



NX9A & H forms added via LTS

CAMS ID	NX9 forms	CAMS ID	NX9 forms	CAMS ID	NX9 forms
2	2	50275	2	51439	1
3	2	50760	2	115242	1
6	3	50794	2	126810	4
38	9	50879	1	126847	7
81	101	50927	10	127945	1
112	30	51317	3	129088	1
144	2	51386	1	132888	6
156	17	51395	1	133304	1
181	5	51401	1	164427	4



NX9B Forms for 2 winding added via LTS

CAMS ID	NX9 forms	CAMS ID	NX9 forms	CAMS ID	NX9 forms	CAMS ID	NX9 forms	CAMS ID	NX9 forms	CAMS ID	NX9 forms
2	2	112	16	50186	1	51065	1	94626	1	129516	3
3	8	144	2	50275	16	51209	3	102734	4	132847	1
6	5	149	2	50428	1	51251	3	115242	1	132888	7
7	1	156	3	50713	1	51268	2	126847	4	152217	4
40	2	180	2	50745	2	51363	3	127945	6	164427	4
43	2	181	1	50760	1	51367	1	128093	5	164699	1
44	3	50085	1	50808	4	51368	1	128435	1	164700	3
54	2	50086	8	50853	2	51386	1	128964	9	167937	1
76	3	50092	7	50876	6	75869	1	129088	1		
81	34	50173	21	50927	9	81309	11	129303	3		

NX9B Forms for 3 winding added via LTS

CAMS ID	NX9 forms
5	1
81	1
156	2
51209	1
115242	4
132874	5



CAMS ID & CAMS Name	CAMS ID & CAMS Name	CAMS ID & CAMS Name	CAMS ID & CAMS Name	CAMS ID & CAMS Name	CAMS ID & CAMS Name	CAMS ID & CAMS Name
2 Versant Power	76 Massachusetts Municipal Whol	50092 Connecticut Light and Power Co	50853 Vermont Transco LLC	51367 Messalonskee Stream Hydro_ LLC	115242 Weaver Wind_ LLC	132847 McCallum Enterprises 1 Limited
3 NSTAR Electric Company	81 New England Power Company	50173 Brookfield White Pine Hydro LL	50876 Firstlight Power Management LL	51368 Bridgewater Power Company_ L.P	126810 Green Development_ LLC	132874 AES Renewable Holdings_ LLC
5 Braintree Electric Light Depar	112 Eversource Energy Service Co	50186 Energy New England LLC	50879 Galt Power Inc.	51386 Connecticut Transmission Munic	126847 North East Offshore_ LLC	132888 Brookfield Renewable Trading A
6 Central Maine Power Company	144 Peabody Municipal Light Plant	50275 Green Mountain Power Corporati	50927 Massachusetts Development Fina	51395 GB II Connecticut LLC	127945 Hartree Partners_ LP	133304 Walden Renewables Development
7 Chicopee Municipal Lighting Pl	149 Shrewsbury Electric & Cable Op	50428 Constellation Energy Generatio	51065 Kimberly-Clark Corporation	51401 Antrim Wind Energy LLC	128093 Eagle Creek Renewable Energy H	152217 Eagle Creek Madison Hydro_ LLC
38 Fitchburg Gas and Electric Lig	156 The Narragansett Electric Comp	50713 Rhode Island Engine Genco_ LLC	51209 EDF Trading North America_ LLC	51439 GB II New Haven LLC	128435 Georges River Energy_ LLC	164427 Vineyard Wind 1 LLC
40 Groton Electric Light Departme	180 Templeton Municipal Light & Wa	50745 ReGenerate Stratton LLC	51251 Black Bear Hydro Partners_ LLC	75869 Ryegate Associates	128964 Central Rivers Power NH_ LLC	164699 Generation Bridge M&M Holdings
43 Holden Municipal Light Departm	181 United Illuminating Company_ T	50760 Avangrid Power_ LLC	51268 American PowerNet Management_	81309 Great River Hydro_ LLC	129088 Marco DM Holdings_ L.L.C.	164700 Generation Bridge Connecticut
44 Holyoke Gas & Electric Departm	50085 Burlington Electric Department	50794 Bear Swamp Power Company LLC	51317 Dynegy Marketing and Trade_ LL	94626 Boott Hydropower_ LLC	129303 GSP Newington LLC	167937 Generate NB Fuel Cells_ LLC
54 Boston Energy Trading and Mark	50086 NextEra Energy Marketing	50808 Wheelabrator North Andover Inc	51363 Reworld REC_ LLC	102734 Hancock Wind_ LLC	129516 Three Corners Solar_ LLC	



ISO-NE EMS and LEP Interactions

- ISO-NE EMS rating applications are running. The real time and forecast rating applications:
 - Are pulling data from LEP
 - NOT posting Effective Rating Reports to LEP
 - This functionality will be enabled in late October / early November after the Rating Providers have submitted the required data to LEP.
- Section 1.6 of the LEP User Guide provides a description of integrated system functionality of the ISO-NE EMS rating applications.



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.
- Updated Nominal Ratings
 - Initially provided nominal ratings are in LEP.
 - If an update is needed, it would be done in LEP.



OPERATIONS WHILE NOT ALL ENTITIES ARE COMPLIANT



Ratings Use

- Entities where the Local Control Center (LCC) is fully compliant can use AARs on all equipment internal to those entities
- Equipment shared between LCCs where both LCCs are **not** fully compliant shall use seasonal ratings until both LCCs are compliant
 - In LEP: Impacted Network Segments would be required to have the AAR Exemption status set to Exempt (true) with a Reason entered
- TO's that may be compliant that are monitored by an LCC that is not compliant shall use seasonal ratings until the LCC is compliant
 - In LEP: Impacted Network Segments would be required to have the AAR Exemption status set to Exempt (true) with a Reason entered



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



Ratings Changes

- Seasonal Ratings entered into LEP take effect immediately
- Seasonal Ratings changes on equipment shared or monitored by another entity (e.g., LCC) that is not fully compliant must be coordinated before those ratings are entered into LEP



Questions

