



Asset Condition Project Forecast

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On behalf of Avangrid, Eversource, National Grid, Rhode Island Energy, Vermont Electric Power Company, and Versant Power

Forecast of Upcoming Asset Condition Projects

- The Transmission Owners (TOs) provided a multi-year forecast of upcoming asset condition projects to the PAC on [November 15, 2023](#) and committed to updating the forecast on an annual basis
 - Some changes may be required to comply with the requirements of FERC Order No. 1920
 - These changes, if any, will be discussed with the NEPOOL Transmission Committee
- In 2024, the TOs advanced the timing of the forecast
 - An updated Excel spreadsheet with forecasted projects from the six TOs was posted to the ISO-NE website on [August 30, 2024](#)
- This presentation provides a refresher on the contents of the Asset Condition Project Forecast
 - Project-specific questions may be submitted using the individual TO contact information included in the spreadsheet

Data Field Descriptions

- Project Stage (see next slide)
- Asset Condition List (ACL) ID
 - ACL ID is provided for projects already listed on the ISO-NE Asset Condition list *as of June 2024*:
 - [June 2024 ACL List](#)
- Line Number or Station Name/Number
- Voltage level for lines or high/low voltage for stations
- Primary Equipment Owner
- State or region
- Current Asset Condition
 - Brief description of condition requiring action or attention
- Anticipated solution
 - Most likely solution based on the TO's current assessment
 - May become proposed solution presented to PAC or be modified as additional analysis is completed

Project Stage Definitions

- For the purposes of the Asset Condition Project Forecast, the TOs have defined three stages:
 - Under Evaluation – Facility is currently being evaluated for possible asset condition project, but no formal scope/cost estimates have been developed
 - Under Development – Project planning is underway; project scope and conceptual cost estimates are currently being developed
 - Developed – Project has been presented to PAC with a full scope and conceptual cost estimate. Additional project tracking occurs via ISO-NE Asset Condition List updates

Cost and Schedule Data

- For projects listed as “Developed”, the following information is available:
 - PAC Presentation Date
 - Status on Asset Condition List (Concept, Proposed, Planned, Under Construction)
 - Estimated Cost (\$)
 - Estimated In Service Date (ISD), Year
- For projects listed as “Under Development”, the following information is available:
 - Anticipated PAC Presentation date, Month & Year
 - Anticipated Cost Category
 - \$0-10M
 - \$10-25M
 - \$25-100M
 - \$100M+
 - Planning Horizon (anticipated in-service dates)
 - 2 Year
 - 3-5 Year
 - 6-10 Year
- For projects listed as “Under Evaluation”, the information above is provided where available

TOs have focused on projects expected within the next 5 years, but included information on projects anticipated within the 6-10 year timeframe where available

Data Summary

Company	Developed <i># of projects</i>	Under Development <i># of projects</i>	Under Evaluation <i># of projects</i>	Total <i># of projects</i>
Avangrid	18	5	2	25
Eversource	64	42	24	130
National Grid	25	30	21	76
Rhode Island Energy	6	3	16	25
Versant	0	0	0	0
VELCO	10	0	10	20

Disclaimers

- The asset condition project forecast is provided on a good faith basis, is non-binding and indicative only, and is based on many assumptions and variables including, among others, estimated project need, design, scope, labor & materials costs, inflation.
- Assumptions will change over time as more current data becomes available, and may result in revisions to the forecast, such as the current asset condition and anticipated solution for individual asset condition projects.
- TOs continually assess the condition of our facilities and may identify needs for additional projects not shown on the current forecast.
 - These projects will be presented to PAC as they are developed.

Alignment with other forecasts

- TOs internal forecasting process are used to produce several deliverables
 - Annual budgets
 - 2-year forecast used to develop RNS rate (published annually on June 15)
 - Includes individual projects and total investment
 - 5-year RNS rate forecast (published for the RC/TC Summer Meeting)
 - Total investment only; no project-level detail
- Asset condition project forecast is intended to supplement the 5-year RNS rate forecast, which was posted on [August 7](#)
 - Investments associated with the asset condition projects included in this forecast are **already included** in the 5-year RNS rate forecast – they are **not** incremental to the 5-year RNS rate forecast
- The 5-year RNS rate forecast also includes additional investments associated with:
 - Forecasted Regional System Plan projects
 - Anticipated future asset condition needs for which specific projects have not yet been identified
 - Projects below the \$5 million threshold which would not require listing on the Asset Condition List

Questions

