

New Hampshire Transmission, LLC (NHT)
2019 Local System Plan
Pursuant to Attachment K-1 of the ISO-NE Tariff

1. NHT's Local System Planning is limited to the planning of the non-PTF at Seabrook Substation which currently are facilities dedicated to providing delivery of off-site station service power to the Seabrook Nuclear Generating Station (NHT's Local Customer) pursuant to Schedule-21-NHT of the ISO-NE Open Access Transmission Tariff.
2. In October 2009 and April 2011, NHT completed construction and installation of a major Reliability Upgrade involving breaker replacements and switchyard reconfiguration as described in Proposed Plan Applications FPLC-08-T01 and FPLC-08-T01 Rev.1, approved November 20, 2008 and April 23, 2010, respectively, and materials detailing the project were presented to the PAC at its Feb. 11, 2008, Oct. 21, 2009 and March 16, 2011 meetings.
3. As part of this reliability upgrade, in addition to reconfiguring and replacing portions of its PTF, NHT reconfigured and replaced substantially all of its Local System non-PTF.
4. During 2017, NHT completed Asset Condition Projects (identified as Asset Condition Project ID#s 4 and 5 on ISO-NE's Asset Condition Project List) involving removal of obsolete equipment including removal of two 345kV GIS circuit breakers, one of which had been locked closed and converted to a gas zone during the upgrade referred to in 2 above) and upgrading portions of GIS bus work. All of this work involved NHT's PTF system and did not impact NHT's Local System non-PTF.
5. On June 21, 2018, NHT presented to the Planning Advisory Committee, plans to replace all of the GIS equipment at the Seabrook Switchyard that was not previously replaced or upgraded during the upgrade referred to in 2 above. This Asset Condition project is scheduled to be implemented in three phases and is expected to be completed by year-end 2021. This project is listed as Asset Condition Project ID#s 84, 85 and 86 on ISO-NE's Asset Condition Project List. This project involves NHT's PTF system and does not involve or impact NHT's Local System non-PTF.
6. NHT's 2019 Local System Planning impacting NHT's Non-PTF includes continuation of the projects identified in NHT's 2016, 2017 and 2018 LSP. Table 1 provides an update to the status of these projects and projected in-service dates.

Table 1

LSP No.	Project Description	Need	Status / Projected In-Service Date
1	Reserve Auxiliary Transformer Disconnect Switch Modifications - new seals / internal connections	Condition Assessment	Delayed until 2020
2	Partial Discharge Monitoring (PDM) System Expansion to include PTF and Non-PTF equipment	Reliability / Improved Monitoring	year-end 2019; GSU PDM 2021

7. NHT has not identified any new Reliability or Market Efficiency Needs impacting its Local System Non-PTF.

8. Additionally, NHT has not identified any Public Policies that may drive the need for any upgrades to NHT's existing Non-PTF or the need to construct any new Non-PTF.
9. This Local System Plan document can be found at
https://www.oasis.oati.com/woa/docs/NHT/NHTdocs/NHT_2019_LSP.pdf