

TRANSMISSION PROJECTS: AT A GLANCE — NortheastUtilities(NU) **Greater Boston Study Solution**

Description: The Greater Boston Study Solution is a group of reliability projects segmented in four areas of Boston (Downtown, North, West, and South) that serve as solutions developed to address reliability needs and bring power into Boston. The Greater Boston Study Solution includes: installation of new lines; reconductoring of existing lines; and upgrades to existing substations (adding new breakers and capacitor banks). Total project miles includes approximately 19 miles of new 345 kV lines and 36 miles of new 115 kV lines.

The Downtown portion of the project includes: a 345 kV line between Woburn and North Cambridge; adding new 115 kV lines between Woburn and Mystic and between Mystic and Chelsea; installing autotransformers; reconductoring of a 115 kV line between Chelsea and Revere; and adding new breakers and a capacitor bank.

The North portion of the project includes: a new 345 kV line from Scobie to Tewksbury to Woburn.

The West portion of the project Includes: a new 115 kV line between Sudbury and Hudson Municipal; and adding autotransformers and reconfiguring a substation.

The South portion of the project includes: a new 115 kV line between Walpole, Canton and Holbrook; rebuilding of lines between Medway and Milford; and adding a new switching station.

Cost: The estimated capital cost of the project for the NU portion of the project is approximately \$393 million.

Status: The Greater Boston solutions described above are included as “Proposed” projects in ISO-NE’s October 2012 Regional System Plan Project Listing. ISO-NE and New England Power Pool stakeholders will need to finalize the studies and planned solutions before many of the projects can proceed. The finalized study is expected in Q1 2013. Construction is expected to begin on various projects this year and over the next several years for the remainder of the projects. The target in-service date for the projects will vary from this year through the next five years.

Investment Partners: National Grid.

Benefits: The proposed solutions are the most cost effective means to meet the long-term reliability needs of the Greater Boston area. The projects will address reliability needs over the next ten years (2013-2022). Portions of the project will also increase the New England North-South interface limit as well as Boston import limits