Construction Process

Installation of Underground Electric Conduit

Step #1: Saw cut trench
Step #2: Remove pavement & excavate trench
Step #3: Install conduit
Step #4: Pour concrete over conduit to create duct bank
Step #5: Backfill excavation
Step #6: Apply temporary pavement

This image is for illustrative purposes only. It is not drawn to scale and does not represent any actual streets being proposed.
Construction Process

- Installation of manholes
- Mark location of line and dig trench
- Lay conduit and encase in concrete
- Backfill trench and install temporary concrete
- Pull and splice cable
- Final treatment with new asphalt
Construction Process

Crew pouring concrete to form duct bank and cable reel
Our Commitment

Our team is committed to making every effort possible to keep project stakeholders updated with the latest project information related to construction activity and traffic management.

National Grid is making significant investments to modernize its electric transmission system in Greater Boston and New Hampshire. As one component of a suite of transmission upgrade projects designed to build greater reliability into the regional electric grid, the Woburn to Wakefield Line Project will improve National Grid’s ability to serve its customers—including municipal utility providers such as the Wakefield Municipal Gas and Light Department.

Construction Timeline*

In Wakefield, construction began in summer 2018 with equipment upgrades at National Grid’s Wakefield Junction Substation located on Montrose Avenue, and clearing of the unused MBTA right-of-way within the project route commenced in fall 2018. Equipment upgrades at the Wakefield substation are complete, as is the preliminary clearing of the unused MBTA right-of-way. Underground construction of the duct bank is scheduled to commence in early September 2019 with construction of the 3.4-mile Wakefield portion of the Woburn to Wakefield Line expected to be complete in late 2020 (this will include duct bank construction at the substation).

Our Commitment

We plan to construct the Woburn to Wakefield Line safely and reliably, while acting as good neighbors and sharing information widely during project construction. Throughout the project, National Grid will make every possible effort to update residents and businesses about upcoming actions, impacts and temporary parking restrictions, and will maintain an open and proactive dialogue about the project with our neighbors and our partners in Wakefield.

To stay up-to-date on the project schedule please sign up to receive our email updates at www.wakefieldnationalgridnewsletter.com. For more information on the important investments National Grid is making to modernize the grid, we encourage you to visit the project website at www.ma-nhsolution.com/woburn_to_wakefield_line_project and contact us through our toll-free hotline 844-646-8427 with questions.

Project Benefits

National Grid’s top priority is delivering safe and reliable energy to our customers. A strong electrical transmission grid is vital to the safety, security and economic growth of the region. That’s why we’re making an investment in Wakefield to address identified transmission reliability needs of the area by improving the electric transmission grid so that we can continue to provide reliable power for years to come.

National Grid owns and operates an electricity transmission system of approximately 8,600 miles spanning upstate New York, Massachusetts, Rhode Island, New Hampshire and Vermont serving customers that include local electric companies, municipalities and large commercial enterprises. Our US electricity transmission facilities operate at voltages ranging from 69 kV to 345 kV, utilizing overhead lines, nearly 90 miles of underground cable and 524 substations.

844-646-8427 | www.ma-nhsolution.com/woburn_to_wakefield_line_project | info@ma-nhsolution.com

Updated July 11, 2019
Our Commitment

- Dedicated Community Engagement Director in Wakefield.
- Door-to-door outreach program designed to notify folks of upcoming construction and answer questions in-person.
- Project website.
- Weekly E-Newsletter Program.
- Toll-free hotline as well as other local resources for the community.

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