

power4tomorrow

nationalgrid

DOWNTOWN RELIABILITY PROJECT

WORKING TO IMPROVE THE RELIABILITY OF THE DOWNTOWN PROVIDENCE ELECTRIC SYSTEM

WHAT: Project Overview

National Grid's **Power4Tomorrow**: Downtown Reliability Project is an investment in the city's electrical transmission infrastructure aimed at reinforcing the safe and reliable delivery of power throughout the downtown Providence area for years to come.



Located entirely within existing rights-of-way – including travel lanes and sidewalks – along South Main Street, North Main Street, Charles Street and Admiral Street, components of the project include:

- Replacement of approximately two miles of existing 115kV underground transmission lines (installed in 1939 and 1946) located between the corner of Clarkson Street / Admiral Street to the north and Dollar Street / South Main Street to the south, all in Providence.
- Replacement of a majority of the existing manhole locations with duct bank (underground conduit), resulting in the elimination of approximately 40 manholes.
- Re-use of approximately 60% of existing duct bank to install modern underground cables.
- Equipment upgrades inside Admiral St. Cable Terminal to support this project.

WHY: Project Benefits & Solutions

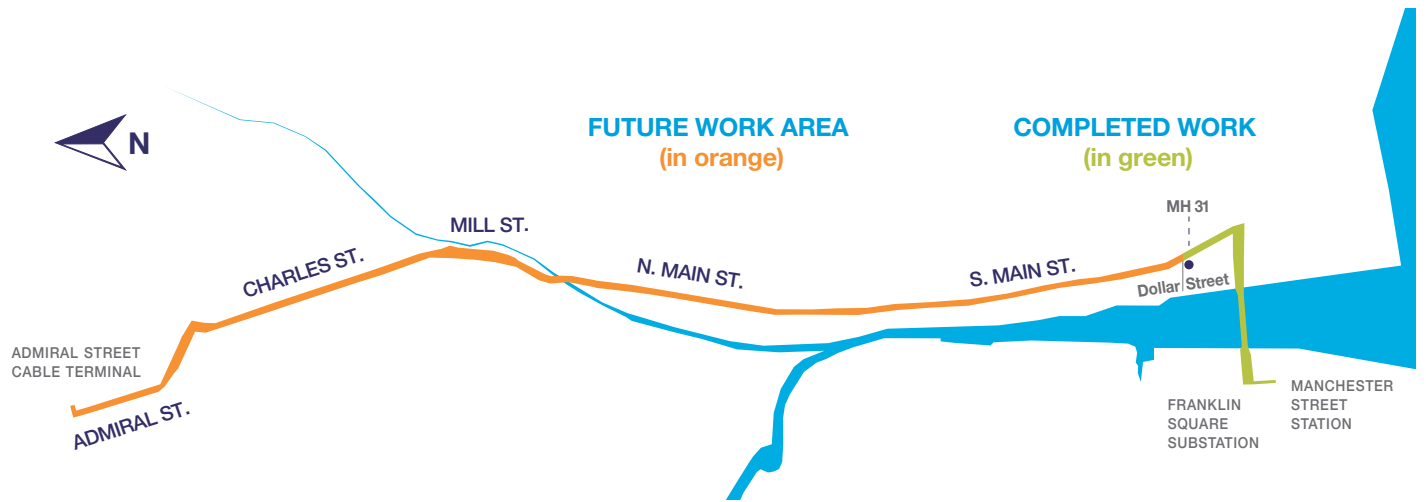
The project is needed because the Q-143 and R-144 underground transmission lines have reached the end of their useful life, resulting in an increasing number of failures. The project will address this issue by replacing the existing lines which were originally installed in 1939 and 1946.

National Grid will also be replacing approximately 18 of the existing manholes along the approximately 2-mile route because (i) they are not compatible in size and layout for modern cables and (ii) are not current with industry and National Grid's standards.

The primary benefit to the Power4Tomorrow project is to improve the reliability of the 115kV transmission system serving Providence customers by replacing the existing cables that have reached the end of their service lifespan. Without this project, the electric supply to the Providence area load will continue to be at risk due to the condition of the existing cable system.

To accomplish that goal, National Grid will install modern cables that typically require less maintenance than the existing cable system. Importantly, the installation of more reliable modern cables will permit us to eliminate approximately 70 percent of the existing manholes along the route, which will create fewer future intrusions in the street infrastructure.

WHERE: Project Map



WHEN:

Estimated Construction Start	Major Construction Completion	Facilities in Service	Project Completion
Spring 2020	Winter 2021/2022	Winter/Spring 2022	Spring 2022

* Project schedules are approximate and subject to change based on weather, permit delays and other factors. Temporary restoration will occur as work progresses.

WHO: Contact the Power4Tomorrow Team

📞 24-hour hotline: (401) 369.9240

🖱️ power4tomorrow.com

✉️ info@power4tomorrow.com

🐦 [@power4tomorrow](https://twitter.com/power4tomorrow)

