

NJ TRANSITGRID



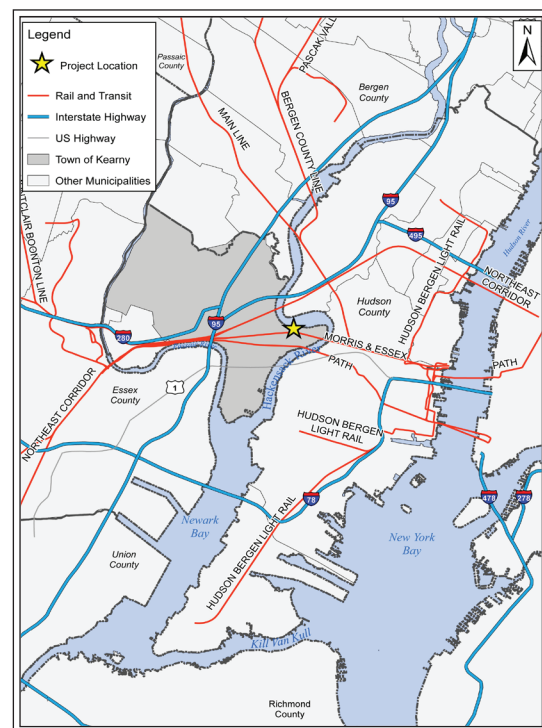
Resilience Program • Building Stronger

Fact Sheet | February 2016

What is NJ TRANSITGRID?

The NJ TRANSITGRID TRACTION POWER SYSTEM will be a first-of-its-kind microgrid designed to provide highly reliable power to support a core segment of NJ TRANSIT's critical transportation service. It includes a natural gas-fired electric power generating plant and transmission lines that will provide electricity for trains to operate on sections of Amtrak's Northeast Corridor and NJ TRANSIT's Morris & Essex Lines and Hudson-Bergen Light Rail System. It will also be designed to support electrical loads at some NJ TRANSIT stations, some tunnel ventilation, pumping, and lighting loads, and the signal system on a portion of the NJ TRANSIT's Main Line so that diesel trains can operate during power outages.

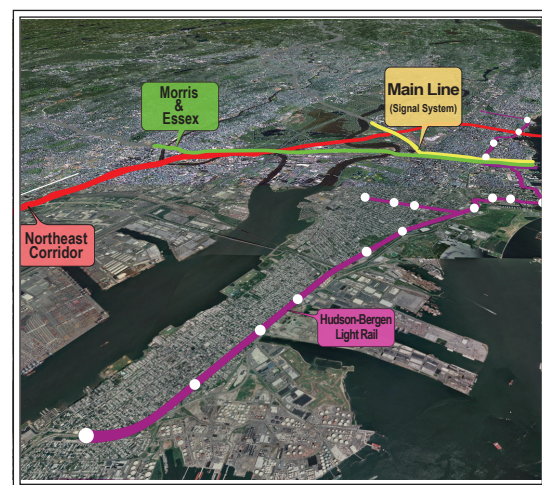
NJ TRANSIT is also progressing a project called DISTRIBUTED GENERATION SOLUTIONS that will provide power to certain train and bus stations and other transportation infrastructure in northeastern New Jersey. Together the TRACTION POWER SYSTEM and the DISTRIBUTED GENERATION SOLUTIONS are known as the NJ TRANSITGRID, which is a project that has been selected by the Federal Transit Administration (FTA) as eligible for funding as a public transportation resilience project in response to Sandy under the federal Emergency Relief Program.



Project Location

Where will the main facility be located?

The proposed location for the natural gas-fired electric power generating plant is in an industrial zone in Kearny, NJ, close to the two substations that serve the Morris & Essex Lines and the Northeast Corridor. The nearest sensitive land use is located more than a half mile away from the chosen site. Transmission lines will extend to substations in Kearny and Jersey City. Other elements of the project will be located at specific facilities serviced by those generation assets. Overall, a small but beneficial impact on regional air emissions is expected to result from project implementation, since the microgrid will burn cleaner and more efficiently than older generation units in the commercial electrical grid, offsetting impacts from power generation while it operates at all times.



NJ TRANSITGRID Energized Assets





Why is it needed and what are the benefits?

NJ TRANSIT's rail service is vulnerable to commercial grid power outages, which are occurring more frequently due to the nature of the existing centralized power distribution system and the intensity and frequency of severe weather events. In 2012, Sandy caused major damage in New Jersey and New York and resulted in prolonged power outages to approximately 2.6 million utility customers. NJ TRANSIT's rail service operating between job centers in New York and New Jersey was severely affected. NJ TRANSITGRID is consistent with national and State priorities to modernize the electric grid. It will:

- Provide the electricity to enable safe, reliable, and resilient transportation;
- Minimize disruptions to the regional workforce and economy;
- Provide a cleaner and more efficient source of power compared to the commercial grid.

What are the next steps?

NJ TRANSIT and the FTA are preparing an Environmental Impact Statement for the NJ TRANSITGRID TRACTION POWER SYSTEM in compliance with the National Environmental Policy Act of 1969 to characterize the project's potential environmental effects, identify effective air-emission-reduction measures, and fully describe its benefits.

How can you get involved?

Input from the public, interest groups, and government agencies is critical to the project and your feedback is encouraged. Email us your questions, comments, or concerns at NJTRANSITGRID@njtransitresilienceprogram.com. Stay connected by visiting our web page at www.njtransitresilienceprogram.com.

The agencies below will have an active role in the proposed project's environmental review process.

COOPERATING AGENCIES

U.S. Army Corps of Engineers

U.S. Environmental Protection Agency

PARTICIPATING AGENCIES

Federal Emergency Management Agency

Federal Railroad Administration

U.S. Department of Energy

U.S. Department of Housing and Urban Development

Amtrak

N.J. Board of Public Utilities

N.J. Department of Environmental Protection

N.J. Department of Transportation

N.J. Office of Emergency Management

N.J. Office of Homeland Security and Preparedness

Meadowlands Regional Commission

Hudson County Improvement Authority

Hudson County Planning

Hudson County Soil Conservation District

For additional information about the project, visit www.njtransitresilienceprogram.com or contact us at NJTRANSITGRID@njtransitresilienceprogram.com.

