

# Northeast Supply Enhancement Project

## Supporting a clean energy future

### Providing safe, reliable energy service

National Grid has experienced significant growth in the need for natural gas across its service area in New York City and Long Island and that growth is expected to continue by more than 10 percent over the next 10 years. The growth is due to continued conversion of oil heat to natural gas as well as increased demand from existing and new construction. We're committed to helping our customers conserve energy and to investing in advanced clean energy projects that partially mitigate gas growth, especially on the coldest peak winter days. As we have seen with storms that have devastated other states and neighboring regions, the security of energy supply needs to be protected and enhanced. The Northeast Supply Enhancement Project (NESE) is critically important to the delivery of safe, reliable service, to meet increased demand, to continue to convert customers from heavily polluting fuels and balancing the integration of renewable energy.

*Route of the pipeline and the facilities along the route from PA to NJ and into National Grid's service area in the Rockaway Peninsula.*



TRANSCONTINENTAL GAS PIPE LINE COMPANY LLC  
PROPOSED NESE PIPELINE  
NORTHEAST SUPPLY ENHANCEMENT PROJECT  
NEW JERSEY, NEW YORK

- Existing Compressor Station
- Existing Meter & Regulating Station
- Proposed NESE Pipeline
- Existing Lower NY Bay Lateral
- Existing Rockaway Delivery Lateral
- Other Existing Transco Pipeline

### About the project

Williams Transco is developing NESE at National Grid's request to expand the existing Transco natural gas pipeline system. The project will provide National Grid access to an additional 400 million cubic feet of natural gas per day to meet the company's growing energy demand in time for the 2020/2021 winter heating season. The project will add energy infrastructure in Pennsylvania, New Jersey and New York to the existing Transco pipeline system.

### Benefits of the project

#### Supports Growth

- Ensures newly-constructed homes and businesses continue to have the option of heating with natural gas.
- Supports Economic Development:
  - ◆ LaGuardia International Airport Redevelopment Project to provide world-class facilities.
  - ◆ Brooklyn Navy Yard – 30 major development projects in the surrounding neighborhoods and downtown community.
  - ◆ Belmont Park Redevelopment Project creating a world-class sports and entertainment destination.

#### Safety and Resiliency

- Provides a backup supply of natural gas:
  - ◆ Makes it less likely that a disruption on the delivery system would lead to service interruptions.
  - ◆ Allows for the Liquefied Natural Gas (LNG) peaking facilities to be taken out of service for required maintenance, ensuring customer demand is met during the coldest winter months.
  - ◆ Reduces congestion on shared utility delivery points in the region which can impact favorable supply costs for customers.

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## Environmental

- Allows National Grid to continue its planned oil to gas conversion program:
  - ◆ Approximately 8,000 residential and commercial customers each year.
  - ◆ Displaces 900,000 barrels of oil per year.
  - ◆ Reduces CO<sub>2</sub> emissions by 200,000 tons per year, equal to removing nearly 500,000 cars from the road for one year.
  - ◆ Reduces other local emissions by 300 tons per year, including smog, acid rain and particulates that have negative health and environmental effects.

## Aligns with Clean Energy Transition Policy to help reduce emissions 80% by 2050

### New York City

- **Clean Heat Initiative** — phasing out the use of #6 and #4 heavy oils in approximately 800 buildings.
- **Newtown Creek Renewable Natural Gas Project** — partnering with the NYC Department of Environmental Protection to inject renewable natural gas (RNG) directly into the local distribution system (in service 2018).

### New York State

- **Reforming the Energy Vision (REV)** — integrating energy efficient and renewable energy solutions:
  - ◆ **Gas Demand Response Demonstration Project** — using advanced technology to help commercial and industrial customers shift their energy usage which will help National Grid manage peak demand during the coldest winter days.
  - ◆ **Geothermal Heating & Cooling Demonstration Project** — partnering with New York State Energy Research and Development Authority (NYSERDA) to determine the effectiveness of these systems for 10 homes on the North Shore of Long Island.

## Outlook without NESE:

- For the first time would have to turn away new gas customers.
- Lost opportunity to continue oil to gas conversions and emissions reductions.
- Reduced energy choice for customers.
- Greater price volatility during the winter months.
- Reliability decreased at existing, critical LNG facilities.

- ◆ **Solar** — rooftop solar investment with Sunrun, the largest dedicated residential solar company in the U.S.; our approved 23 megawatt (MW) solar farm in Calverton on Long Island (in service 2022); and two 5MW storage batteries approved on the South Fork of Long Island (in service 2018).

### Federal Government

- Strong advocate for the EPA Clean Power Plan to advance America's clean energy economy with standards to cut carbon emissions.
- Partnered with Center for Climate and Energy Solutions (C2ES), Ceres and some of the largest companies based or operating in the U.S. to strongly urge to keep the U.S. in the Paris Agreement on climate change.

A clean energy transition is good for our customers and the economy, and the right thing to do. It takes time to complete these projects so we will keep forging ahead until then, NESE is needed to meet our customers' existing energy needs.