

# WINTRE-MIX Workshop: Impacts and Challenges of Mixed Precipitation Events on Electric Utilities

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**nationalgrid**



# New York Electric Business Overview

We are the second largest electric and the largest gas utility in New York State covering a diverse geographic region



**1,680,000**  
Electric Customers



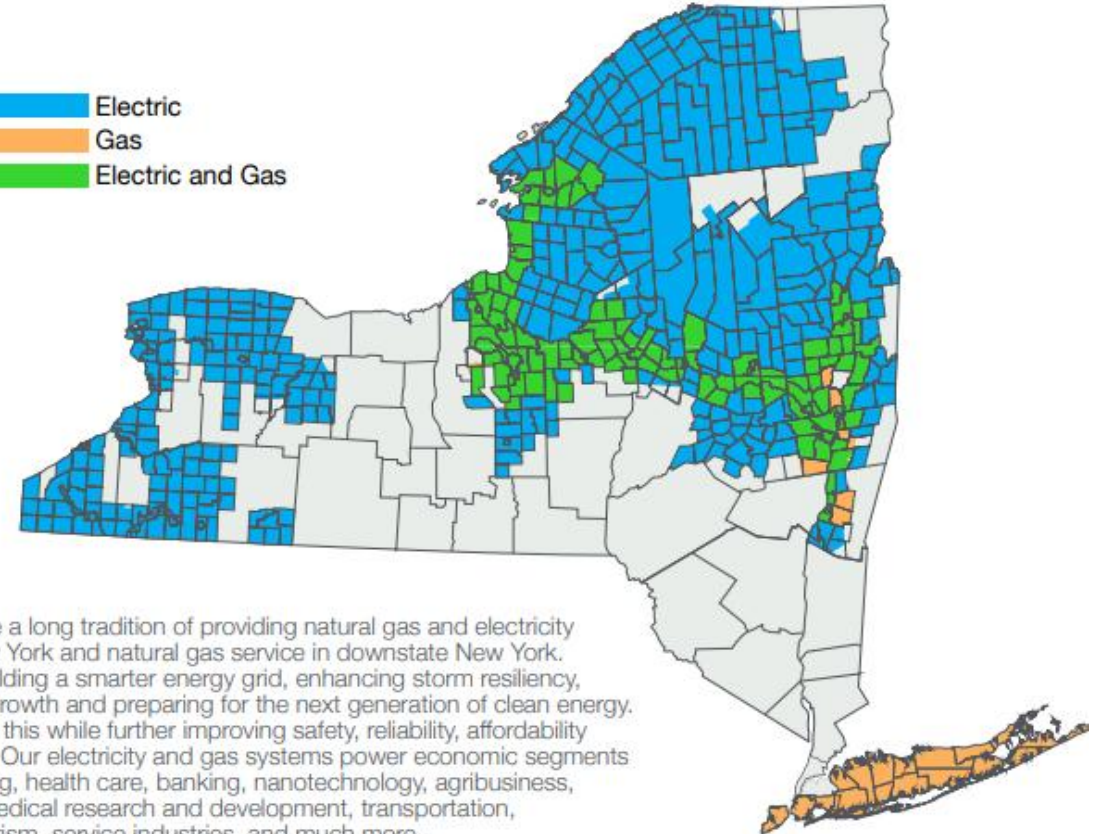
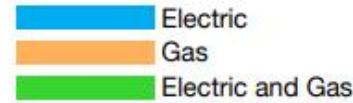
**2,550,000**  
Natural Gas Customers



**6,001 Miles**  
Transmission Lines



**22,357 Miles**  
Natural Gas Pipeline



## New York by the numbers

**9.6K**

employees

**4.1 M**

gas & electricity customers (electricity customers: 1.6M UNY; natural gas customers: 1.3M NYC; 611,000 LI; 630,000 UNY)

**26.4 K-square-mile**

service area (25K square miles UNY; 1.4K square miles DNY)



We own and operate **8 generation steam units** and **42 gas turbine units in DNY**, providing up to **3,800 megawatts of electric capacity to LIPA.**

In New York, we have a long tradition of providing natural gas and electricity service in upstate New York and natural gas service in downstate New York. We are focused on building a smarter energy grid, enhancing storm resiliency, promoting economic growth and preparing for the next generation of clean energy. And, we're doing all of this while further improving safety, reliability, affordability and customer service. Our electricity and gas systems power economic segments including manufacturing, health care, banking, nanotechnology, agribusiness, education, defense, medical research and development, transportation, entertainment and tourism, service industries, and much more.

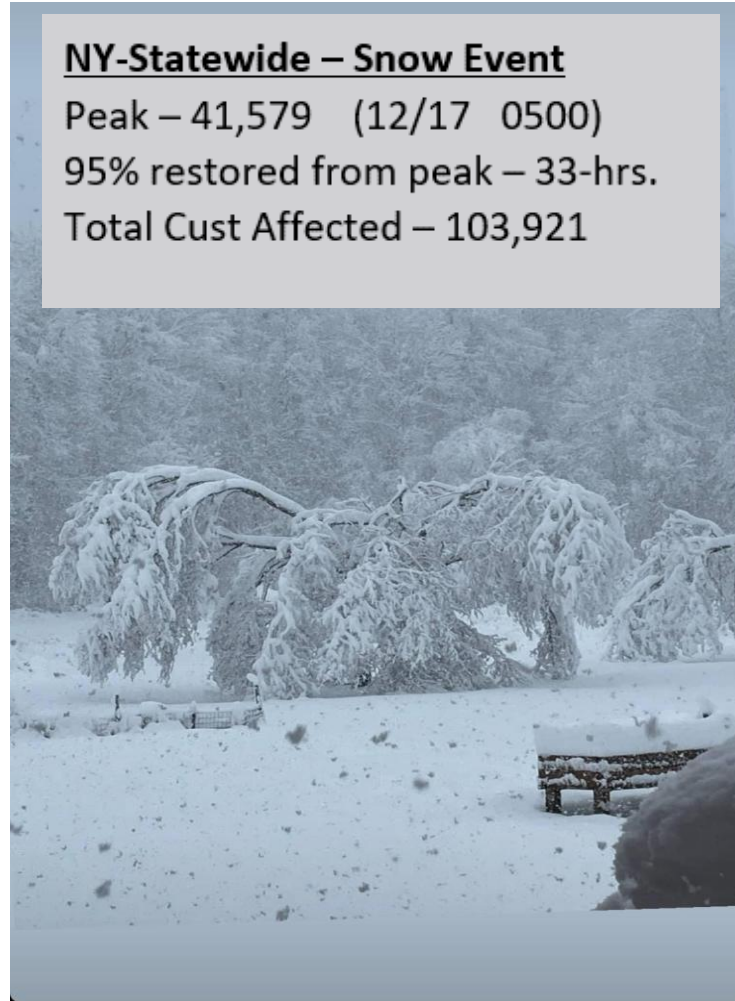
Our New York business represents 60% of National Grid's U.S. business.

# Potential System Impacts from Mixed Precipitation Events

Mixed precipitation events can be some of the most difficult to plan for while containing a higher risk of potential damage than other events



**NY-Statewide – Snow Event**  
Peak – 82,999 (3/14 0800)  
95% restored from peak – 33-hrs.  
Total Cust Affected – 103,921



**NY-Statewide – Snow Event**  
Peak – 41,579 (12/17 0500)  
95% restored from peak – 33-hrs.  
Total Cust Affected – 103,921



**NY-Statewide – Snow Event**  
Peak – 52,706 (3/4 0800)  
95% restored from peak – 15-hrs.  
Total Cust Affected – 87,684