
Mapping New York Energy

These maps and charts tell an important story about electricity generation, transmission and demand in New York State, which relies on a diverse supply system to serve its energy needs. Those needs are increasing—and are increasingly complex, given the imbalance in excess supply Upstate and excess demand Downstate and an aging supply and transmission system that will have to be upgraded over the next ten to 30 years.

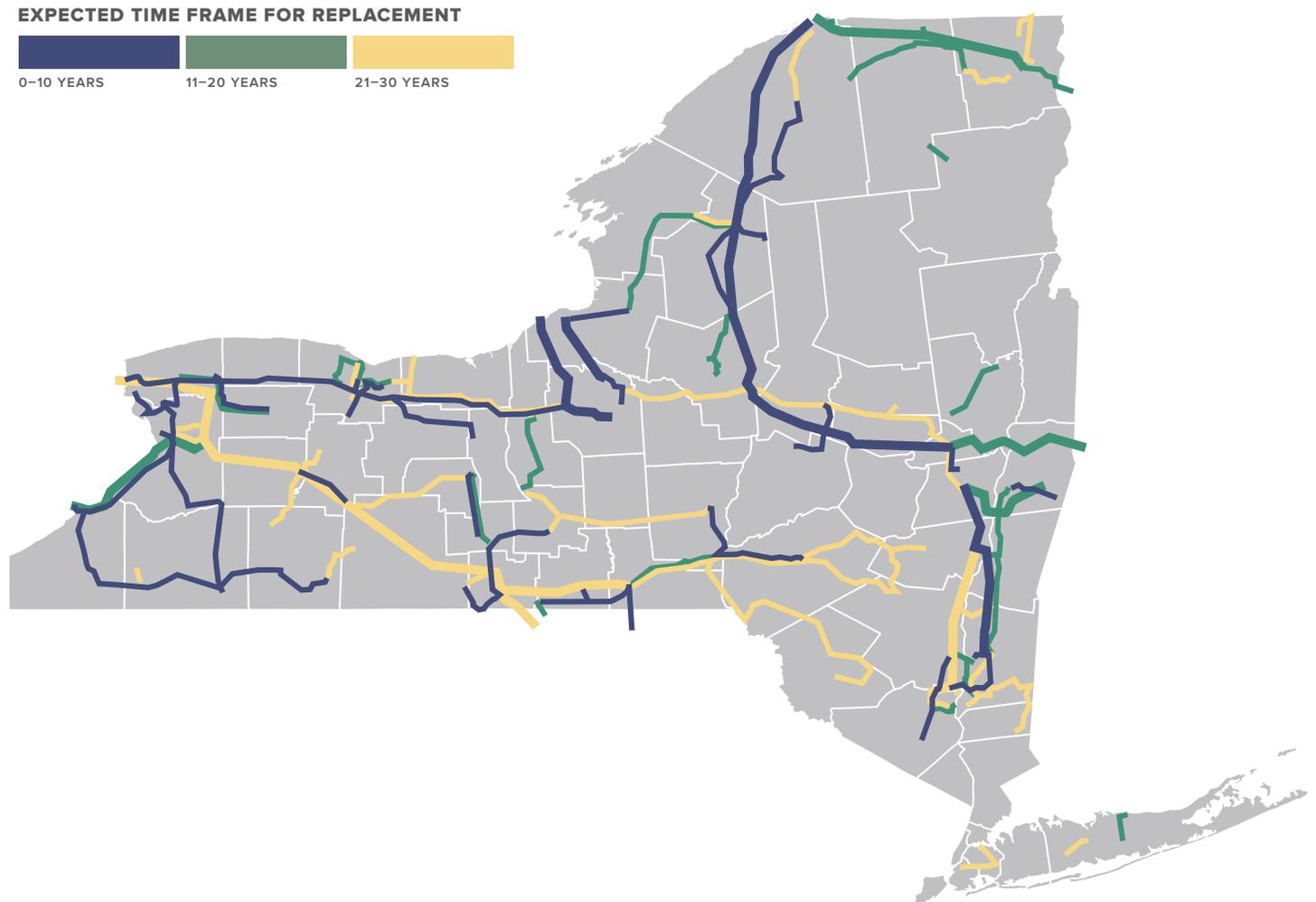
New York's Aging Transmission System

Transmission lines need repair or replacement.

Most of the state's transmission lines were built more than 50 years ago and many need to be replaced in the next ten years.

Artist rendering: 115kV and above.

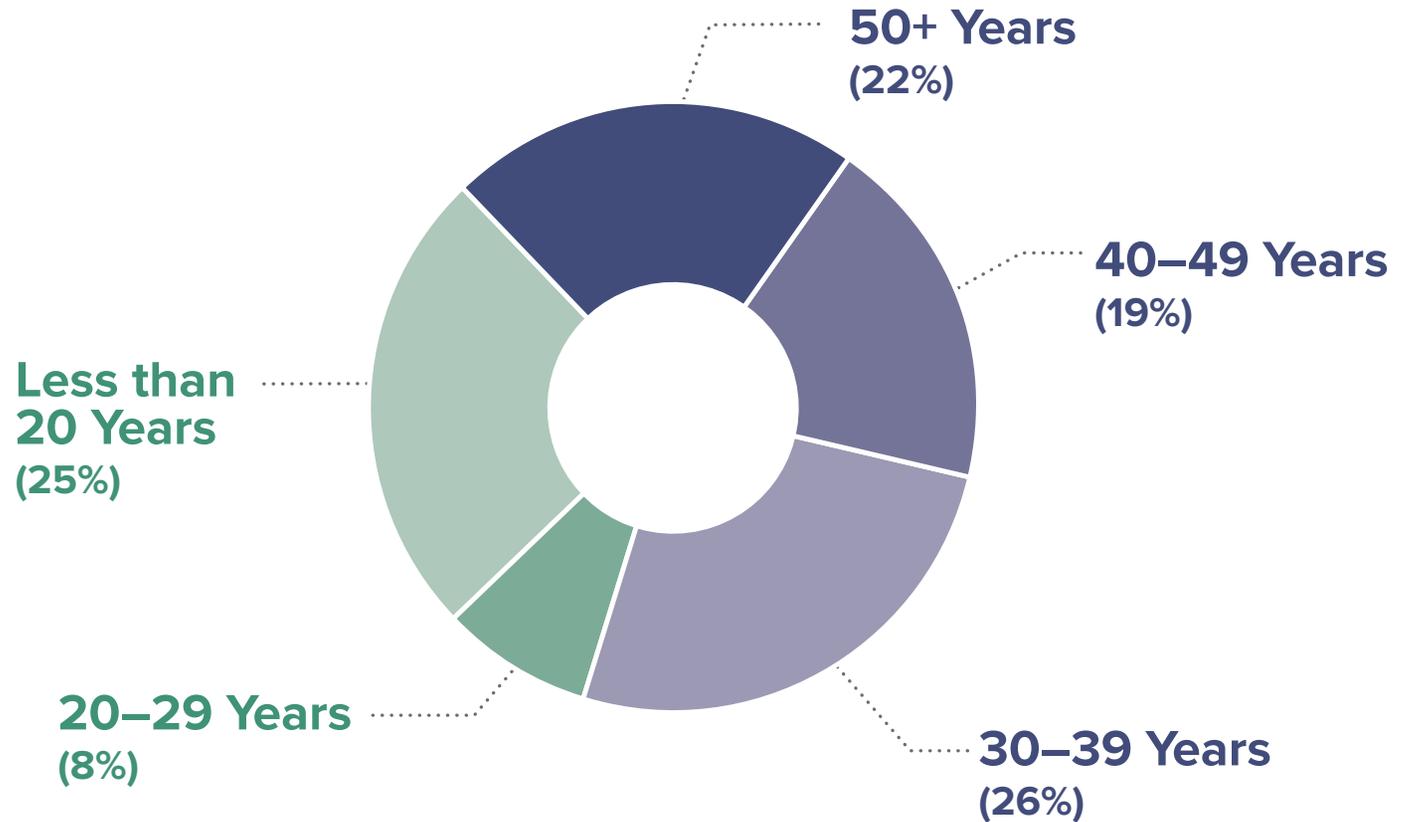
Source: Artist rendering, adapted from New York State Transmission Assessment and Reliability Study (STARS) 2009 Transmission Condition Assessment Map.



Age of Generating Facilities

Generating facilities are older and less efficient.

67% of New York's generating facilities statewide are 30 years and older. Repowering or replacing older, less efficient sources of electricity will provide important environmental benefits and reduce the economic burden on New Yorkers to comply with national air quality standards.



Supply & Demand

Demand in many areas exceeds supply.

A rebounding economy could push the need for power beyond current projections. The demand already exceeds our generating capacity in some areas of the state. As the map shows, demand is concentrated in New York City and Long Island, however, the majority of the supply is in upstate New York regions.

