



Fuel Diversity

Reliability



Resilience



Transmission Reliability Issues

November 9, 1965

**Ontario, CT, MA, NH, NJ,
NY, RI, PA, VT
30 million people**

July 13-14, 1977

**New York City
Westchester County**

August 14-16, 2003

**Ohio, Ontario, NY, NYC,
NJ, MD, CT, MA, MI
50 million people**

Transmission Resilience Issue



January 5-10, 1998

**Ontario
Quebec
Newfoundland**

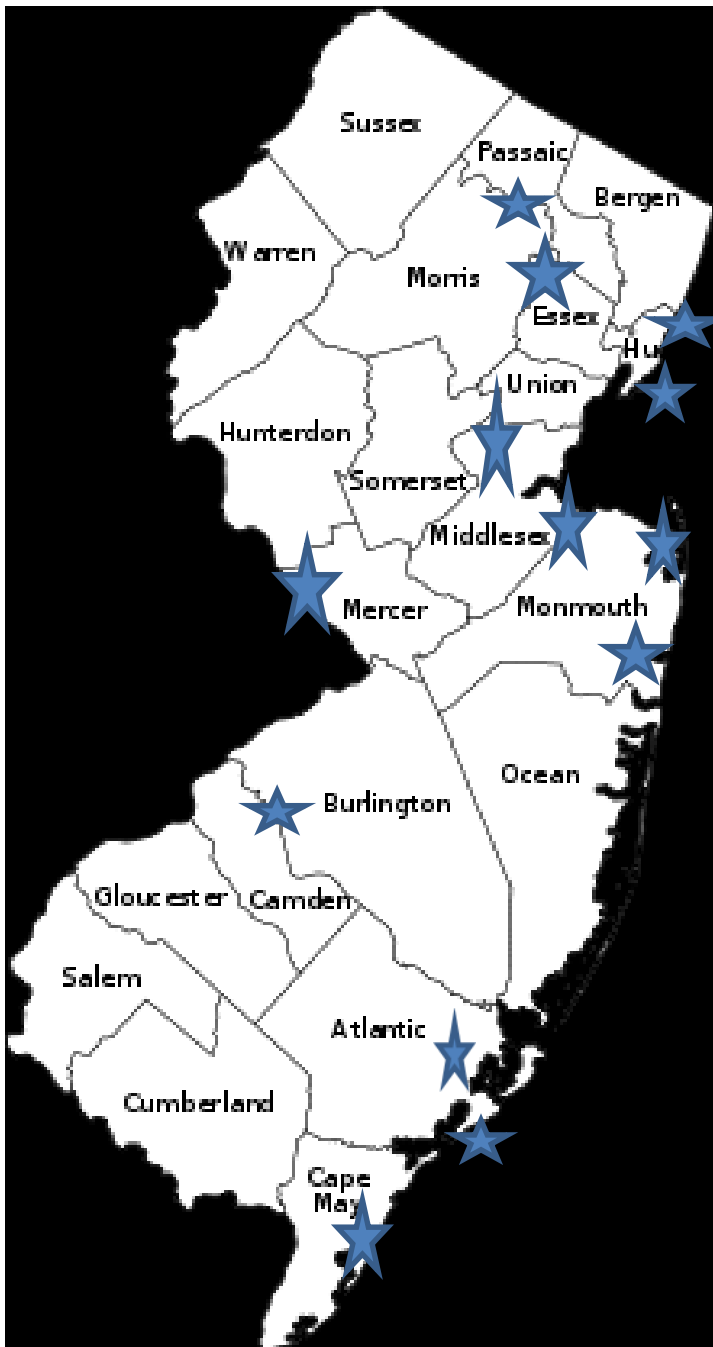


FERC



Microgrids





Atlantic City (Atlantic) – CHP, thermal

Camden County – waste-to-energy, thermal loops, water exchange

Cape May County – Syngas, biogas, natural gas-fueled CHP

Galloway Township (Atlantic) – TC DER, solar, battery storage, CHP, thermal loops, water exchange

Highland Park (Middlesex) – TC DER, energy storage, solar, CHP, fuel cells

Hoboken (Hudson) – DER, energy storage, solar, CHP, thermal loops, biodiesel

Hudson County -- CHP, fuel cells, solar

Middletown (Monmouth) – DER

Montclair (Essex) – DER, CHP, battery storage

Neptune (Monmouth) CHP, solar

Paterson (Passaic) – Hydro-electric generation, CHP, storage

State of NJ. Trenton (Mercer) – Thermal load, solar, CHP

Woodbridge (Middlesex) – Fuel cells, solar, CHP