

Revised Table 1 Types of Extreme Weather Events Impacting NYCA, Import Regions and the Syst

Event	NYCA Areas Affected	System Elements Affected
Heat Wave	All	Off-Shore and On-Shore Wind, Solar, Load, Transmission
Cold Wave	All	Solar, Load
Wind Lull	All	Off-Shore and On-Shore Wind
Solar Lull	All	Solar Resources
Snow cover	All	Solar Resources

Event	NYCA Areas Affected	System Elements Affected
Storm Surge		
Flooding		
Wildfires		
Lightning storms		
Coastal Storm, Hurricane	G-K	Load, Transmission, Off-Shore Wind, Solar
Severe Wind storm - Upstate NY	A-F	Load, Transmission, On-Shore Wind, Solar
Icing	A-K	Load, Transmission, Off-Shore and On-Shore Wind
Drought	All	Hydro
Geomagnetic disturbance	All	Transmission

Note 1: <https://www.nhc.noaa.gov/climo/#returns>

Note 2: Heat Wave: the National Weather Service defines a heat wave as at least three consecutive days wit

em Elements That Are Affected

Resource Adequacy Planning

Plausible Worst-Case Scenario	Return Period (see Note 1)	Duration	Design Levels
	10 years	The longest heat wave in New York City history took place at the end of August 1953, lasting for 12 days.	
	30 years		
			Wind turbine
			Operational Cut-in/ Cut-out wind speed

Renewable Resource Resiliency Planning

Plausible Worst-Case Scenario	Return Period (see Note 1)	Duration	Design Levels
"Long Island Express" Hurricane damages offshore wind significantly	Downstate		Wind turbine
	Cat 1/2 - 18 years		1. Operational Cut-in/ Cut-out wind speed
	Cat 3 - 70 years		2. Design basis

h high temperatures of at least 90°F.

