New york electric grid samoa

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The RNA, issued every two years, evaluates the future reliability of the New York electric grid considering forecasts of power demand, planned upgrades to the transmission system, public policy and changes to the generation mix over a ten-year period. The report identifies a violation of reliability criteria in New York City in 2033 and highlights growing risks to electric system reliability statewide. According to the findings of the RNA, the identified New York City reliability need is 17 megawatts in the summer of 2033 and increases to 97 megawatts in the summer of 2034.

“Our latest report demonstrates the continued importance of the NYISO’s in-depth planning process and the need to closely monitor the rapidly changing electric grid,” said Zach Smith, Senior Vice President, System and Resource Planning. “In this RNA, we highlight several risk factors that could adversely affect system reliability in the months and years ahead.”

The project is supposed to be completed by 2026, and ISO officials warn that a delay in the project could mean there isn’t enough electric capacity in New York City starting in 2026. If the project is delayed ISO officials say there will need to be either new generation brought online or a decrease in projected demand.

“In December of 2022, Western New York experienced a devastating blizzard that knocked out electricity and left residents in their homes without heat,” Borrello said in his legislative justification. “The tragedy resulted in the loss of life of 47 New Yorkers. As we work to modernize our grid, ensuring the safety of New Yorkers is paramount so that we may prevent such devastation in the future.”

ISO officials say on the coldest days, natural gas distribution companies prioritize residential heating and limit the fuel available to generators without firm contracts. The coldest days correspond to peak winter demand periods when the gas fleet is needed most.

ALBANY (TNS) -- The ability of New York"s energy grid to adequately handle future electricity needs is narrowing as power plants are aging and not being replaced, demand is expected to increase, and the zero-emission mandates of the state"s Climate Act are looming, according to a biennial assessment conducted recently by the New York Independent System Operator.

Rensselaer, NY - The New York Independent System Operator (NYISO) today released its 2024 Reliability Needs Assessment (RNA), which identifies a violation of reliability criteria in New York City in 2033 and highlights growing risks to electric system reliability statewide.

The RNA, issued biennially, evaluates the future reliability of the New York electric grid considering forecasts

of power demand, planned upgrades to the transmission system, public policy and changes to the generation mix over a ten-year period.

The RNA notes several factors contributing to projected increases in peak demand over the study horizon, including electrification of the transportation and building sectors and large, energy-intensive commercial projects that include data centers and chip fabrication.

Additionally, state legislation enacted in 2023 requires the New York Power Authority (NYPA) to deactivate its small natural gas plants located in New York City and Long Island. These retirements would result in a loss of 517 megawatts (MW). The new law authorizes NYPA to confer with the NYISO to determine if the plants are necessary for electric system reliability.

The potential risks and resource needs identified in the RNA may be resolved by new capacity resources coming into service, construction of additional transmission facilities, increased energy efficiency, integration of distributed energy resources and/or growth in demand response participation.

"Our latest report demonstrates the continued importance of the NYISO"s in-depth planning process and the need to closely monitor the rapidly changing electric grid," said Zach Smith, Senior Vice President, System and Resource Planning. "In this RNA, we highlight several risk factors that could adversely affect system reliability in the months and years ahead."

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