



Generator Deactivation Assessment Albany LFGE

**A Report by the
New York Independent System Operator**

September 20, 2019

Purpose

On July 12, 2019 the New York Independent System Operator, Inc. (“NYISO”) determined that Albany Energy, LLC (“Albany Energy”) had submitted a complete Generator Deactivation Notice for the proposed retirement of the Albany LFGE generator (“Albany LFGE”). Albany Energy reported that it intends to deactivate the 5.6 MW (nameplate) generator on or about September 18, 2019.

Pursuant to Section 38.3.5 of the NYISO Open Access Transmission Tariff (“OATT”), the NYISO performed resource adequacy and, in coordination with National Grid, LLC (“National Grid”), transmission security analyses of the New York Control Area (“NYCA”) system to determine whether a Generator Deactivation Reliability Need (a “Need”) would result from the deactivation of Albany LFGE. The NYISO and National Grid timely completed this analysis within the 90-day period starting from July 12, 2019, which is the Generator Deactivation Assessment Start Date (by October 10, 2019). The Generator Deactivation Process ends if the assessment does not identify a Need or if the Need can be timely addressed during the next Reliability Needs Assessment in the NYISO’s biennial reliability planning process. If the NYISO finds a Need, then the NYISO follows the process for soliciting and selecting a solution stated in Sections 38.3.6 – 38.10.5 of the OATT.

Assumptions

The NYISO evaluated the period five years from the conclusion of the 365-day notice period (July 11, 2020 – July 11, 2025) (the “Study Period”) using the most recent reliability planning process base case. In accordance with the Reliability Planning Process base case inclusion rules¹, generation and transmission projects are added to the base case if they have met significant milestones such that there is a reasonable expectation of completion of the project. Significant changes to the proposed assessment assumptions, as compared to the those used for the 2019-2028 Comprehensive Reliability Plan (CRP), include: (i) the AC Transmission Segment A

¹ NYISO Reliability Planning Process Manual, July 5, 2018

Double Circuits and AC Transmission New York Energy Solution Segment B, which are expected to be in service in December 2023, and (ii) all other New York Transmission Owner firm Local Transmission Plans listed in the 2019 Load and Capacity Data Report (“Gold Book”) with the exception of the NYSEG Coopers Corners transformers. The NYISO used the load forecast consistent with the 2019 Load and Capacity Data Report (“Gold Book”)².

The NYISO provided stakeholders with its shared governance process information on the modeling assumptions employed in conducting this assessment. Details of the study assumptions were originally reviewed with stakeholders at the August 6, 2019 joint Electric System Planning Working Group (ESPWG)/Transmission Planning Advisory Subcommittee (TPAS) meeting. The meeting materials are posted on the NYISO’s public website³.

Findings

This assessment finds that reliability criteria would be met without Albany LFGE throughout the Study Period under the assumed and forecasted base case system conditions. The NYISO assessed the resource adequacy of the overall NYCA system, per the one-day-in-ten-years (0.1 per year) Loss of Load Expectation (“LOLE”) criterion, which measures the probability of disconnecting firm load due to a resource deficiency. This assessment finds that without Albany LFGE the resource adequacy criterion would be met throughout the Study Period.

Additionally, the NYISO performed a transmission security assessment for the Bulk Power Transmission Facilities (“BPTF”) and National Grid performed a transmission security assessment of its non-BPTFs. The NYISO reviewed and verified the analysis performed by National Grid. Without Albany LFGE, no transmission security-related Need was identified in the Study Period.

² This Albany LFGE Generator Deactivation Assessment utilizes the 2019 Gold Book baseline summer peak load forecast.

³ <https://www.nyiso.com/documents/20142/7834030/02%20Albany%20LFGE%20KeyAssumptions.pdf/0311cb63-ad14-5c31-122d-fe51de5471e0>

Conclusions

This assessment does not identify a Generator Deactivation Reliability Need following the deactivation of Albany LFGE for the Study Period.

Albany Energy has satisfied the applicable requirements under the NYISO's Generator Deactivation Process to retire the Generators on or after October 11, 2019.⁴ This concludes the Generator Deactivation Process.

⁴ Albany Energy must complete all required NYISO administrative processes and procedures prior to deactivation. The NYISO's determination in this Generator Deactivation Process does not relieve Albany Energy of any obligations it has with respect to its participation in the NYISO's markets. If Albany Energy rescinds its Generator Deactivation Notice or does not deactivate Albany LFGE by July 11, 2021, then it will be required to submit a new Generator Deactivation Notice in order to deactivate the Generators, and will also be required to repay study costs in accordance with Section 38.14 of the OATT.