STATE OF NEW YORK

2708

2025-2026 Regular Sessions

IN SENATE

January 22, 2025

Introduced by Sen. MAY -- read twice and ordered printed, and when printed to be committed to the Committee on Energy and Telecommunications

AN ACT to amend the public service law and the public authorities law, in relation to advancing grid enhancement technologies

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

Section 1. The public service law is amended by adding a new section 66-x to read as follows:

§ 66-x. Advancing grid enhancement technologies. 1. For the purposes of this section, the following terms shall have the following meanings:

(a) "Grid enhancing technology" means any hardware or software technology that enables enhanced or more efficient performance from the electric transmission system, including, but not limited to, dynamic line rating, advanced power flow control technology, topology optimization and advanced reconductoring.

(b) "Advanced reconductors" means hardware technology that can conduct electricity across transmission lines and demonstrate enhanced performance over traditional conductor products.

(c) "Dynamic line rating" means hardware and/or software technologies used to appropriately update the calculated thermal limits of existing transmission lines based on real-time and forecasted weather conditions.

(d) "Advanced power flow control" means hardware and/or software technologies used to push or pull electric power in a manner that balances overloaded lines and underutilized corridors within the transmission network.

(e) "Topology optimization" means hardware and/or software technologies that identify reconfigurations of the transmission grid and can enable the routing of power flows around congested or overloaded transmission elements.

EXPLANATION--Matter in *italics* (underscored) is new; matter in brackets [-] is old law to be omitted.

LBD05306-01-5

(f) "Electric corporation" and "combination electric and gas corporation" shall have the same meaning as in section two of this chapter.

(g) "Transmission" shall have the same meaning as "major electric transmission facility" as defined in section one hundred thirty-seven of this chapter.

2. For proceedings before the commission in which an electric corporation or combination electric and gas corporation proposes capital improvements or additions to the transmission system, the department may authorize such electric corporations or combination electric and gas corporations to conduct a cost-effectiveness analysis of multiple strategies, including, but not limited to, the deployment of grid enhancing technologies, and advanced reconductoring. Where grid enhancing technologies or advanced reconductoring, whether in combination with or instead of other capital investments, offer a more cost-effective strategy to achieve transmission goals, including, but not limited to, distributed energy resource interconnection, the commission may approve the deployment of grid enhancing technologies or advanced reconductoring as part of the overall solutions strategy.

3. As part of a proceeding before the commission in which it proposes capital improvements or additions to the transmission system, an electric corporation or combination electric and gas corporation may propose a performance incentive mechanism that provides a financial incentive for the cost-effective deployment of grid enhancing technologies or advanced reconductoring.

4. The department shall promulgate any rules and/or regulations it deems necessary to implement the provisions of this section.

5. Beginning five years after the effective date of this section, and every five years thereafter, each electric corporation or combination electric and gas corporation shall report to the federally designated bulk system operator, and the commission on or before September first on the deployment of any grid enhancing technologies or advanced reconductoring in a format determined by the department.

§ 2. Section 1005 of the public authorities law is amended by adding a new subdivision 31 to read as follows:

31. For any transmission facility the authority constructs or upgrades in connection with this section the authority may conduct a cost-effectiveness analysis of multiple strategies, including, but not limited to, the deployment of grid enhancing technologies and advanced reconductoring. Where grid enhancing technologies or advanced reconductoring, whether in combination with or instead of other capital investments, offer a more cost-effective strategy to achieve transmission goals, including, but not limited to, distributed energy resource interconnection, the authority, as deemed feasible and advisable by the trustees and with any necessary approval from the public service commission, is authorized to deploy grid enhancing technologies or advanced reconductoring, as part of the overall solutions strategy.

§ 3. This act shall take effect on the ninetieth day after it shall have become a law.