STATE OF NEW YORK

7868

IN SENATE

January 3, 2024

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, 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-w to read as follows:

§ 66-w. 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, advanced reconductoring, and energy storage when used as a transmission resource.

(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.

(f) "Distribution company" means a company engaging in the distribution of electricity or owning, operating or controlling distribution facilities; provided, however, that a distribution company shall not

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

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include any entity which owns or operates plant or equipment used to produce electricity, steam and chilled water, or an affiliate engaged solely in the provision of such electricity, steam and chilled water, where the electricity produced by such entity or its affiliate is primarily for the benefit of hospitals and non-profit educational institutions.

(g) "Transmission" means the delivery of power over lines that operate at a voltage level typically equal to or greater than sixty-nine thousand volts from generating facilities across interconnected high voltage lines to where it enters a distribution system.

2. For rate case proceedings and other proceedings in which a distribution company proposes capital improvements or additions to the transmission system, such distribution company shall conduct a cost-effectiveness and timetable analysis of multiple strategies, including, but not limited to, the deployment of grid enhancing technologies, advanced reconductoring, and energy storage used as a transmission resource. Where grid enhancing technologies, advanced reconductoring, or energy storage used as a transmission resource whether in combination with or instead of capital investments, offer a more cost-effective strategy to achieve transmission goals, including, but not limited to, distributed energy resource interconnection, the department may approve the deployment of grid enhancing technologies, advanced reconductoring, or energy storage used as a transmission resource as part of the overall solutions strategy.

3. As part of a rate case filing or other filing in which it proposes capital improvements or additions to the transmission system, a distribution company may propose a performance incentive mechanism that provides a financial incentive for the cost-effective deployment of grid enhancing technologies, advanced reconductoring, or energy storage used as a transmission resource.

4. The department shall promulgate any rules and/or regulations it shall deem 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 distribution company shall make a compliance filing with the department, New York independent system operator (New York ISO), and the commission on or before September first on the deployment of grid enhancing technologies, advanced reconductoring, or energy storage used as a transmission resource in a format determined by the department.

§ 2. This act shall take effect on the ninetieth day after it shall have become a law. Effective immediately, the addition, amendment and/or repeal of any rule or regulation necessary for the implementation of this act on its effective date are authorized to be made and completed on or before such effective date.