

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:

1 Section 1. The public service law is amended by adding a new section
2 66-w to read as follows:

3 § 66-w. Advancing grid enhancement technologies. 1. For the purposes
4 of this section, the following terms shall have the following meanings:

5 (a) "Grid enhancing technology" means any hardware or software tech-
6 nology that enables enhanced or more efficient performance from the
7 electric transmission system, including, but not limited to, dynamic
8 line rating, advanced power flow control technology, topology optimiza-
9 tion, advanced reconductoring, and energy storage when used as a trans-
10 mission resource.

11 (b) "Advanced reconductors" means hardware technology that can conduct
12 electricity across transmission lines and demonstrate enhanced perform-
13 ance over traditional conductor products.

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

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

21 (e) "Topology optimization" means hardware and/or software technolo-
22 gies that identify reconfigurations of the transmission grid and can
23 enable the routing of power flows around congested or overloaded trans-
24 mission elements.

25 (f) "Distribution company" means a company engaging in the distrib-
26 ution of electricity or owning, operating or controlling distribution
27 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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1 include any entity which owns or operates plant or equipment used to
2 produce electricity, steam and chilled water, or an affiliate engaged
3 solely in the provision of such electricity, steam and chilled water,
4 where the electricity produced by such entity or its affiliate is prima-
5 rily for the benefit of hospitals and non-profit educational insti-
6 tutions.

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

11 2. For rate case proceedings and other proceedings in which a distrib-
12 ution company proposes capital improvements or additions to the trans-
13 mission system, such distribution company shall conduct a cost-effec-
14 tiveness and timetable analysis of multiple strategies, including, but
15 not limited to, the deployment of grid enhancing technologies, advanced
16 reconductoring, and energy storage used as a transmission resource.
17 Where grid enhancing technologies, advanced reconductoring, or energy
18 storage used as a transmission resource whether in combination with or
19 instead of capital investments, offer a more cost-effective strategy to
20 achieve transmission goals, including, but not limited to, distributed
21 energy resource interconnection, the department may approve the deploy-
22 ment of grid enhancing technologies, advanced reconductoring, or energy
23 storage used as a transmission resource as part of the overall solutions
24 strategy.

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

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

33 5. Beginning five years after the effective date of this section, and
34 every five years thereafter, each distribution company shall make a
35 compliance filing with the department, New York independent system oper-
36 ator (New York ISO), and the commission on or before September first on
37 the deployment of grid enhancing technologies, advanced reconductoring,
38 or energy storage used as a transmission resource in a format determined
39 by the department.

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