

STATE OF NEW YORK

7868--A

Cal. No. 1180

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 -- reported favorably from said committee, ordered to first and second report, ordered to a third reading, amended and ordered reprinted, retaining its place in the order of third reading

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:

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

3 § 66-x. 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 and advanced reconductoring.

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

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

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

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

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

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

LBD13870-03-4

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

4 2. For proceedings before the commission in which an electric corpo-
5 ration or combination electric and gas corporation proposes capital
6 improvements or additions to the transmission system, the department may
7 authorize such electric corporations or combination electric and gas
8 corporations to conduct a cost-effectiveness analysis of multiple strat-
9 egies, including, but not limited to, the deployment of grid enhancing
10 technologies, and advanced reconductoring. Where grid enhancing tech-
11 nologies or advanced reconductoring, whether in combination with or
12 instead of other capital investments, offer a more cost-effective strat-
13 egy to achieve transmission goals, including, but not limited to,
14 distributed energy resource interconnection, the commission may approve
15 the deployment of grid enhancing technologies or advanced reconductoring
16 as part of the overall solutions strategy.

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

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

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

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

33 31. For any transmission facility the authority constructs or upgrades
34 in connection with this section the authority may conduct a cost-effec-
35 tiveness analysis of multiple strategies, including, but not limited to,
36 the deployment of grid enhancing technologies and advanced reconduc-
37 ing. Where grid enhancing technologies or advanced reconductoring,
38 whether in combination with or instead of other capital investments,
39 offer a more cost-effective strategy to achieve transmission goals,
40 including, but not limited to, distributed energy resource intercon-
41 nection, the authority, as deemed feasible and advisable by the trustees
42 and with any necessary approval from the public service commission, is
43 authorized to deploy grid enhancing technologies or advanced reconduc-
44 toring, as part of the overall solutions strategy.

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