

119TH CONGRESS
1ST SESSION

S. 1327

To require the Federal Energy Regulatory Commission to establish a shared savings incentive to return a portion of the savings attributable to an investment in grid-enhancing technology to the developer of that grid-enhancing technology, and for other purposes.

IN THE SENATE OF THE UNITED STATES

APRIL 8, 2025

Mr. WELCH (for himself and Mr. KING) introduced the following bill; which was read twice and referred to the Committee on Energy and Natural Resources

A BILL

To require the Federal Energy Regulatory Commission to establish a shared savings incentive to return a portion of the savings attributable to an investment in grid-enhancing technology to the developer of that grid-enhancing technology, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Advancing Grid-En-
5 hancing Technologies Act of 2025” or the “Advancing
6 GETs Act of 2025”.

1 **SEC. 2. DEFINITIONS.**

2 In this Act:

3 (1) COMMISSION.—The term “Commission”
4 means the Federal Energy Regulatory Commission.

5 (2) GRID-ENHANCING TECHNOLOGY.—The term
6 “grid-enhancing technology” means any hardware or
7 software that—

8 (A) increases the capacity, efficiency, reli-
9 ability, resilience, or safety of transmission fa-
10 cilities and transmission technologies; and

11 (B) is installed in addition to transmission
12 facilities and transmission technologies—

13 (i) to give operators of the trans-
14 mission facilities and transmission tech-
15 nologies more situational awareness and
16 control over the electric grid;

17 (ii) to make the transmission facilities
18 and transmission technologies more effi-
19 cient; or

20 (iii) to increase the transfer capacity
21 of the transmission facilities and trans-
22 mission technologies.

23 (3) SECRETARY.—The term “Secretary” means
24 the Secretary of Energy.

1 **SEC. 3. SHARED SAVINGS INCENTIVE FOR GRID-ENHANC-**
2 **ING TECHNOLOGIES.**

3 (a) DEFINITION OF DEVELOPER.—In this section,
4 the term “developer”, with respect to grid-enhancing tech-
5 nology, means the entity that pays to install the grid-en-
6 hancing technology.

7 (b) ESTABLISHMENT OF SHARED SAVINGS INCEN-
8 TIVE.—Not later than 18 months after the date of enact-
9 ment of this Act, the Commission shall promulgate a final
10 rule to implement section 219(b)(3) of the Federal Power
11 Act (16 U.S.C. 824s(b)(3)) by providing a shared savings
12 incentive that returns a portion of the savings attributable
13 to an investment in grid-enhancing technology to the de-
14 veloper of that grid-enhancing technology, in accordance
15 with this section.

16 (c) REQUIREMENTS.—

17 (1) IN GENERAL.—The Commission shall deter-
18 mine the percentage of savings attributable to an in-
19 vestment in grid-enhancing technology that can be
20 returned to the developer of that grid-enhancing
21 technology pursuant to the shared savings incentive
22 established under subsection (b), subject to the con-
23 ditions that the percentage—

24 (A) is not less than 10 percent and not
25 more than 25 percent;

1 (B) is not determined on a per-project,
2 per-investment, or case-by-case basis; and

3 (C) is applied consistently to all invest-
4 ments in grid-enhancing technology eligible for
5 the shared savings incentive, regardless of the
6 type of grid-enhancing technology installed.

7 (2) TIME PERIOD FOR RECOVERY.—The shared
8 savings incentive established under subsection (b)
9 shall return a percentage, determined in accordance
10 with paragraph (1), of the applicable savings to the
11 developer of the applicable grid-enhancing tech-
12 nology over a period of 3 years.

13 (d) ELIGIBILITY.—Subject to subsection (e), the
14 shared savings incentive established under subsection (b)
15 shall apply with respect to—

16 (1) any developer, with respect to the invest-
17 ment of that developer in grid-enhancing technology
18 that is installed as described in section 2(2)(B); and

19 (2) any grid-enhancing technology, including—

20 (A) grid-enhancing technology that relates
21 to new transmission facilities or transmission
22 technologies; and

23 (B) grid-enhancing technology that relates
24 to existing transmission facilities or trans-
25 mission technologies.

1 (e) LIMITATIONS.—

2 (1) MINIMUM SAVINGS.—

3 (A) IN GENERAL.—The shared savings in-
4 centive established under subsection (b) shall
5 apply with respect to an investment in grid-en-
6 hancing technology only if the expected savings
7 attributable to the investment over the 3-year
8 period described in subsection (c)(2), as deter-
9 mined by the Commission, are at least 4 times
10 the cost of the investment.

11 (B) DETERMINATION.—

12 (i) IN GENERAL.—The Commission
13 shall determine how to quantify the cost of
14 an investment and the expected savings at-
15 tributable to an investment for purposes of
16 subparagraph (A).

17 (ii) COSTS.—For purposes of subpara-
18 graph (A), the cost of an investment may
19 include any costs associated with the per-
20 mitting, installation, or purchase of the ap-
21 plicable grid-enhancing technology.

22 (2) ALREADY INSTALLED GETS.—The shared
23 savings incentive established under subsection (b)
24 may not be applied with respect to grid-enhancing

1 technology that is already installed as of the date of
2 enactment of this Act.

3 (3) CONSUMER PROTECTION.—The Commission
4 shall determine appropriate consumer protections for
5 the shared savings incentive established under sub-
6 section (b).

7 (f) EVALUATION AND SUNSET OF SHARED SAVINGS
8 INCENTIVE.—

9 (1) EVALUATION.—Not earlier than 7 years,
10 and not later than 10 years, after the shared savings
11 incentive is established under subsection (b), the
12 Commission shall—

13 (A) evaluate the necessity and efficacy of
14 the shared savings incentive; and

15 (B) determine whether to maintain, revise,
16 or suspend the shared savings incentive.

17 (2) CONSIDERATION OF ORDER NO. 1920.—In
18 conducting the evaluation under paragraph (1)(A),
19 the Commission shall consider—

20 (A) how the shared savings incentive aligns
21 with the requirement that grid-enhancing tech-
22 nologies be considered in long-term regional
23 transmission planning under Order No. 1920 of
24 the Commission, entitled “Building for the Fu-
25 ture Through Electric Regional Transmission

1 Planning and Cost Allocation” (89 Fed. Reg.
2 49280 (June 11, 2024)) (or a successor order);

3 (B) whether and how the shared savings
4 incentive should be revised to further align with
5 that requirement; and

6 (C) whether, in light of that requirement,
7 the shared savings incentive should be main-
8 tained or suspended.

9 (3) PUBLIC COMMENT.—In conducting the eval-
10 uation under paragraph (1)(A), the Commission
11 shall provide an opportunity for public comment, in-
12 cluding by stakeholders.

13 **SEC. 4. CONGESTION REPORTING.**

14 (a) ANNUAL REPORTS.—

15 (1) IN GENERAL.—Beginning on the date that
16 is 1 year after the effective date of the rule promul-
17 gated under subsection (b), all operators of trans-
18 mission facilities or transmission technologies shall
19 submit to the Commission annual reports containing
20 data on the costs associated with congestion man-
21 agement with respect to the transmission facilities or
22 transmission technologies, including all relevant con-
23 straints.

24 (2) REQUIREMENT.—Each annual report sub-
25 mitted under paragraph (1) shall identify—

1 (A) with respect to each reported con-
2 straint that caused more than \$500,000 in as-
3 sociated costs—

4 (i) the cause of the constraint, includ-
5 ing physical infrastructure and transient
6 disruptions; and

7 (ii) the next limiting element type and
8 its identified rating limit; and

9 (B) each constraint that will be addressed
10 by planned future upgrades to infrastructure
11 and facilities.

12 (b) RULEMAKING.—Not later than 18 months after
13 the date of enactment of this Act, the Commission shall
14 promulgate a final rule establishing a universal metric and
15 protocol for the measuring and reporting of data under
16 subsection (a).

17 (c) USES OF DATA.—

18 (1) ANALYSES.—

19 (A) IN GENERAL.—The Commission and
20 the Secretary shall each use the data submitted
21 under subsection (a) to conduct analyses, as the
22 Commission or the Secretary, as applicable, de-
23 termines to be appropriate.

24 (B) COORDINATION.—The Commission
25 and the Secretary may coordinate with respect

1 to any analyses conducted using the data sub-
2 mitted under subsection (a).

3 (2) MAP.—The Commission and the Secretary,
4 acting jointly, shall—

5 (A) use the data submitted under sub-
6 section (a) to create a map of costs associated
7 with congestion management in the trans-
8 mission system; and

9 (B) update that map not less frequently
10 than once each year.

11 (d) PUBLICATION OF DATA AND MAP.—The Com-
12 mission and the Secretary shall make the data submitted
13 under subsection (a) and the map described in subsection
14 (c)(2) publicly available on the websites of—

15 (1) the Commission; and

16 (2) the Department of Energy.

17 **SEC. 5. GRID-ENHANCING TECHNOLOGY APPLICATION**
18 **GUIDE.**

19 (a) DEFINITION OF DEVELOPER.—In this section,
20 the term “developer” means a developer of transmission
21 facilities or transmission technologies, including a devel-
22 oper of transmission facilities or transmission technologies
23 that pays to install grid-enhancing technology with respect
24 to those transmission facilities or transmission tech-
25 nologies.

1 (b) ESTABLISHMENT OF APPLICATION GUIDE.—Not
2 later than 18 months after the date of enactment of this
3 Act, the Secretary shall establish an application guide for
4 utilities and developers seeking to implement grid-enhanc-
5 ing technologies.

6 (c) UPDATES.—The guide established under sub-
7 section (b) shall be reviewed and updated annually.

8 (d) TECHNICAL ASSISTANCE.—

9 (1) IN GENERAL.—On request of a utility or de-
10 veloper using the guide established under subsection
11 (b), the Secretary shall provide technical assistance
12 to that utility or developer with respect to the use
13 of grid-enhancing technologies for particular applica-
14 tions.

15 (2) CLEARINGHOUSE.—In carrying out para-
16 graph (1), the Secretary shall establish a clearing-
17 house of previously completed grid-enhancing tech-
18 nology projects that the Secretary, utilities, and de-
19 velopers may use to identify issues and solutions re-
20 lating to the use of grid-enhancing technologies for
21 particular applications.

22 (e) AUTHORIZATION OF APPROPRIATIONS.—There
23 are authorized to be appropriated to carry out this section,
24 to remain available until expended—

25 (1) \$5,000,000 for fiscal year 2025; and

- 1 (2) \$1,000,000 for each of fiscal years 2026
- 2 through 2036.

○