

119TH CONGRESS
1ST SESSION

S. 3499

To require the Secretary of Energy to prepare periodic assessments and submit reports on the supply chain for the generation and transmission of electricity, and for other purposes.

IN THE SENATE OF THE UNITED STATES

DECEMBER 16, 2025

Ms. CORTEZ MASTO (for herself and Mr. MORAN) introduced the following bill; which was read twice and referred to the Committee on Energy and Natural Resources

A BILL

To require the Secretary of Energy to prepare periodic assessments and submit reports on the supply chain for the generation and transmission of electricity, 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 “Electric Supply Chain
5 Act”.

6 **SEC. 2. DEFINITIONS.**

7 In this Act:

1 (1) APPROPRIATE COMMITTEES OF CON-
2 GRESS.—The term “appropriate committees of Con-
3 gress” means—

4 (A) the Committee on Energy and Natural
5 Resources of the Senate; and

6 (B) the Committee on Energy and Com-
7 merce of the House of Representatives.

8 (2) CRITICAL MATERIAL.—The term “critical
9 material” has the meaning given the term in section
10 7002(a) of the Energy Act of 2020 (30 U.S.C.
11 1606(a)).

12 (3) ELECTRIC RELIABILITY ORGANIZATION.—
13 The term “Electric Reliability Organization” has the
14 meaning given the term in section 215(a) of the
15 Federal Power Act (16 U.S.C. 824o(a)).

16 (4) ELECTRIC UTILITY.—The term “electric
17 utility” has the meaning given the term in section
18 3 of the Federal Power Act (16 U.S.C. 796).

19 (5) FOREIGN ENTITY OF CONCERN.—The term
20 “foreign entity of concern” has the meaning given
21 the term in section 40207(a) of the Infrastructure
22 Investment and Jobs Act (42 U.S.C. 18741(a)).

23 (6) GENERATION AND TRANSMISSION SUPPLY
24 CHAIN.—

1 (A) IN GENERAL.—The term “generation
2 and transmission supply chain” means the sup-
3 ply chain for the generation and transmission of
4 electricity.

5 (B) INCLUSIONS.—The term “generation
6 and transmission supply chain” includes compo-
7 nents for or related to generating or transmit-
8 ting electricity, including—

9 (i) the manufacturing capacity and
10 workforce necessary to produce those com-
11 ponents; and

12 (ii) the exploration, development, pro-
13 duction, or processing of the critical mate-
14 rials necessary to produce those compo-
15 nents.

16 (7) RELEVANT STAKEHOLDER.—

17 (A) IN GENERAL.—The term “relevant
18 stakeholder” means a stakeholder that is in-
19 volved in—

20 (i) the generation, storage, trans-
21 mission, or distribution of electricity; or

22 (ii) the supply chain for such genera-
23 tion, storage, transmission, or distribution.

24 (B) INCLUSIONS.—The term “relevant
25 stakeholder” includes—

- 1 (i) an electric utility;
- 2 (ii) an electric grid component manu-
3 facturer;
- 4 (iii) a person who constructs an elec-
5 tric generating facility;
- 6 (iv) an electric power system cyberse-
7 curity expert;
- 8 (v) the Electric Reliability Organiza-
9 tion;
- 10 (vi) a ratepayer advocacy stakeholder;
- 11 and
- 12 (vii) any other related private sector
13 stakeholder.

14 (8) SECRETARY.—The term “Secretary” means
15 the Secretary of Energy.

16 **SEC. 3. ASSESSMENT AND REPORT ON THE SUPPLY CHAIN**
17 **FOR THE GENERATION AND TRANSMISSION**
18 **OF ELECTRICITY.**

19 (a) ASSESSMENT.—In carrying out the requirements
20 of the Department of Energy Organization Act (42 U.S.C.
21 7101 et seq.), the Secretary, in consultation with relevant
22 stakeholders, shall conduct periodic assessments of the
23 generation and transmission supply chain for purposes of
24 monitoring the generation and transmission supply chain.

1 (b) REPORT.—Not later than 1 year after the date
2 of enactment of this Act, and periodically thereafter, the
3 Secretary shall submit to the appropriate committees of
4 Congress a report on the most recent assessment con-
5 ducted under subsection (a).

6 (c) REQUIREMENTS.—Each report under subsection
7 (b) shall—

8 (1) include information on—

9 (A) efforts and opportunities to strength-
10 en, secure, and expand the generation and
11 transmission supply chain;

12 (B) any trends, risks, and vulnerabilities in
13 the supply, demand, and availability of compo-
14 nents for or related to generating or transmit-
15 ting electricity, including components that are
16 necessary for the construction or deployment of
17 facilities that generate or transmit electricity;

18 (C) national security and energy security
19 considerations for strengthening, securing, and
20 expanding the generation and transmission sup-
21 ply chain;

22 (D) barriers to expanding—

23 (i) the capacity to manufacture com-
24 ponents for or related to generating or

1 transmitting electricity in the United
2 States; and

3 (ii) the capacity to process critical
4 materials in the United States;

5 (E) domestic policies that deter or other-
6 wise inhibit greater investment into the genera-
7 tion and transmission supply chain;

8 (F) the effects of any reliance of the
9 United States on any foreign entity of concern
10 for—

11 (i) components for or related to gener-
12 ating or transmitting electricity; and

13 (ii) the exploration, development, or
14 production of critical materials necessary
15 for manufacturing such components; and

16 (G) workforce challenges affecting the gen-
17 eration and transmission supply chain;

18 (2) identify emerging issues in the generation
19 and transmission supply chain; and

20 (3) include recommendations—

21 (A) to address any emerging issues identi-
22 fied under paragraph (2); and

23 (B) to secure and expand the generation
24 and transmission supply chain.

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