

Union Calendar No. 721

119TH CONGRESS
2^D SESSION

H. R. 9339

[Report No. 119–822]

To require the Secretary of Energy to conduct an assessment on the use of artificial intelligence and high-performance computing technologies to enhance the bulk-power system, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

JUNE 18, 2026

Mrs. HARSHBARGER (for herself and Mr. MULLIN) introduced the following bill; which was referred to the Committee on Energy and Commerce

SEPTEMBER 14, 2026

Additional sponsors: Mr. ONDER, Ms. SCHRIER, Mr. EVANS of Colorado, Mr. VINDMAN, and Mr. GRIFFITH

SEPTEMBER 14, 2026

Committed to the Committee of the Whole House on the State of the Union and ordered to be printed

A BILL

To require the Secretary of Energy to conduct an assessment on the use of artificial intelligence and high-performance computing technologies to enhance the bulk-power system, 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 “Affordable Innovation
5 for the Grid Act”.

6 **SEC. 2. ASSESSMENT ON USE OF ARTIFICIAL INTEL-**
7 **LIGENCE AND HIGH-PERFORMANCE COM-**
8 **PUTING TECHNOLOGIES TO ENHANCE BULK-**
9 **POWER SYSTEM.**

10 (a) ASSESSMENT.—Not later than 90 days after the
11 date of enactment of this Act, the Secretary of Energy,
12 in consultation with the Federal Energy Regulatory Com-
13 mission and the Electric Reliability Organization, shall
14 conduct an assessment on the use of artificial intelligence
15 and high-performance computing technologies, including
16 an assessment of the employment of probabilistic oper-
17 ating techniques by artificial intelligence and high-per-
18 formance computing technologies, to enhance the capacity,
19 reliable operation, and operational efficiency of the bulk-
20 power system.

21 (b) MATTERS.—The assessment conducted under
22 subsection (a) shall include an assessment of—

23 (1) the potential for artificial intelligence and
24 high-performance computing technologies to expedite
25 generator and load interconnection studies;

1 (2) the current applications, and levels of adop-
2 tion, of artificial intelligence and high-performance
3 computing technologies with respect to the operation
4 of the bulk-power system; and

5 (3) any technical, regulatory, cybersecurity, or
6 operational limitation affecting such adoption.

7 (c) REPORT.—Not later than one year after the date
8 of enactment of this Act, the Secretary of Energy shall
9 submit to the Committee on Energy and Commerce of the
10 House of Representatives and the Committee on Energy
11 and Natural Resources of the Senate a report on the as-
12 sessment conducted under subsection (a), including rec-
13 ommendations to—

14 (1) overcome any limitation assessed under sub-
15 section (b)(3); and

16 (2) facilitate the adoption and integration of ar-
17 tificial intelligence and high-performance computing
18 technologies with respect to the operation of the
19 bulk-power system.

20 (d) DEFINITIONS.—In this section, the terms “bulk-
21 power system”, “Electric Reliability Organization”, and
22 “reliable operation” have the meanings given those terms
23 in section 215(a) of the Federal Power Act (16 U.S.C.
24 824o(a)).

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