

119TH CONGRESS
2D SESSION

H. R. 9339

AN ACT

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,*

1 **SECTION 1. SHORT TITLE.**

2 This Act may be cited as the “Affordable Innovation
3 for the Grid Act”.

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

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

19 (b) **MATTERS.**—The assessment conducted under
20 subsection (a) shall include an assessment of—

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

24 (2) the current applications, and levels of adop-
25 tion, of artificial intelligence and high-performance

1 computing technologies with respect to the operation
2 of the bulk-power system; and

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

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

12 (1) overcome any limitation assessed under sub-
13 section (b)(3); and

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

18 (d) DEFINITIONS.—In this section, the terms “bulk-
19 power system”, “Electric Reliability Organization”, and
20 “reliable operation” have the meanings given those terms

1 in section 215(a) of the Federal Power Act (16 U.S.C.
2 824o(a)).

Passed the House of Representatives September 15,
2026.

Attest:

Clerk.

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