

119TH CONGRESS
1ST SESSION

H. R. 5227

To conduct a study on the impact of artificial intelligence and data center site growth on energy supply resources in the United States, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

SEPTEMBER 9, 2025

Mr. COSTA (for himself and Mr. MOORE of Utah) introduced the following bill; which was referred to the Committee on Science, Space, and Technology

A BILL

To conduct a study on the impact of artificial intelligence and data center site growth on energy supply resources in the United States, 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 “Unleashing Low-Cost
5 Rural AI Act”.

1 **SEC. 2. STUDY ON IMPACT OF ARTIFICIAL INTELLIGENCE**
2 **AND DATA CENTER SITE GROWTH ON EN-**
3 **ERGY SUPPLY RESOURCES.**

4 (a) IN GENERAL.—The Secretary of Energy shall
5 designate a National Laboratory to conduct a study on
6 the impact of artificial intelligence and data center site
7 growth on energy supply resources in the United States.

8 (b) CONTENTS.—The study under subsection (a)
9 shall address the following:

10 (1) Whether any updates to existing infrastruc-
11 ture are necessary to support the co-location of arti-
12 ficial intelligence and data center site development.

13 (2) With respect to the co-location of artificial
14 intelligence and data center sites, the feasibility of
15 using alternative sources of energy, such as hydro-
16 electric dams, solar farms, wind farms, solar and
17 wind battery storage sites, and carbon capture facili-
18 ties, in addition to nuclear and geothermal sources
19 of energy.

20 (3) The impact of the co-location of artificial
21 intelligence and data center sites on energy costs,
22 energy supply, energy supply reliability, land-use,
23 water-use, and cost to consumers.

24 (4) Whether, and to what extent, there are defi-
25 ciencies in energy supply resources.

1 (5) The means to expedite any review under the
2 National Environmental Policy Act of 1969 (42
3 U.S.C. 4321 et seq.) or to more expeditiously meet
4 any permitting requirements to develop any artificial
5 intelligence or data center sites, and any associated
6 generation, transmission, and distribution assets.

7 (c) PRIORITIZATION.—The study under subsection
8 (a) shall prioritize the impact of artificial intelligence and
9 data center site growth on energy supply resources in re-
10 mote areas.

11 (d) REPORT.—Not later than 180 days after the date
12 of enactment of this Act, the Secretary of Energy shall
13 submit to the Committee on Science, Space, and Tech-
14 nology of the House of Representatives and the Committee
15 on Commerce, Science, and Transportation of the Senate
16 a report on the findings of the study conducted under sub-
17 section (a).

18 (e) DEFINITIONS.—In this section:

19 (1) ARTIFICIAL INTELLIGENCE.—The term “ar-
20 tificial intelligence” has the meaning given such
21 term in section 5002 of the National Artificial Intel-
22 ligence Initiative Act of 2020 (15 U.S.C. 9401).

23 (2) CO-LOCATION.—The term “co-location”
24 means, with respect to an artificial intelligence or

1 data center site, placing such site upon a parcel of
2 land that is owned and operated by a public utility.

3 (3) NATIONAL LABORATORY.—The term “Na-
4 tional Laboratory” has the meaning given such term
5 in section 2 of the Energy Policy Act of 2005 (42
6 U.S.C. 15801).

7 (4) REMOTE AREA.—The term “remote area”
8 means an area for which the Economic Research
9 Service of the Department of Agriculture has devel-
10 oped a frontier and remote area code.

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