

[DISCUSSION DRAFT]115TH CONGRESS
2^D SESSION**H. R.** _____

To require the Secretary of Energy to develop a report on a pilot program to site, construct, and operate micro-reactors at critical national security locations, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

Mr. WILSON of South Carolina (for himself, Mr. NORCROSS, Mr. HUDSON, and Mr. PETERS) introduced the following bill; which was referred to the Committee on _____

A BILL

To require the Secretary of Energy to develop a report on a pilot program to site, construct, and operate micro-reactors at critical national security locations, 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. REPORT ON PILOT PROGRAM FOR MICRO-RE-**
4 **ACTORS.**

5 (a) REPORT REQUIRED.—Not later than 12 months
6 after the date of enactment of this Act, the Secretary shall
7 develop and submit to the Committee on Armed Services

1 and the Committee on Energy and Commerce in the
2 House of Representatives and the Committee on Armed
3 Services and the Committee on Energy and Natural Re-
4 sources in the Senate a report describing the requirements
5 for, and components of, a pilot program to provide resil-
6 ience for critical national security infrastructure at De-
7 partment of Defense and Department of Energy facilities
8 by contracting with a commercial entity to site, construct,
9 and operate at least one licensed micro-reactor at a facility
10 identified under the report by December 31, 2027.

11 (b) CONSULTATION.—As necessary to develop the re-
12 port required under subsection (a), the Secretary shall
13 consult with—

- 14 (1) the Secretary of Defense;
- 15 (2) the Nuclear Regulatory Commission; and
- 16 (3) the Administrator of the General Services
17 Administration.

18 (c) CONTENTS.—The report required under sub-
19 section (a) shall include—

- 20 (1) identification of potential locations to site,
21 construct, and operate a micro-reactor at a Depart-
22 ment of Defense or Department of Energy facility
23 that contains critical national security infrastructure
24 that the Secretary determines may not be energy re-
25 siliant;

1 (2) assessments of different nuclear tech-
2 nologies to provide energy resiliency for critical na-
3 tional security infrastructure;

4 (3) a survey of potential commercial stake-
5 holders with which to enter into a contract under the
6 pilot program to construct and operate a licensed
7 micro-reactor;

8 (4) options to enter into long-term contracting,
9 including various financial mechanisms for such pur-
10 pose;

11 (5) identification of requirements for micro-re-
12 actors to provide energy resilience to mission-critical
13 functions at facilities identified under paragraph (1);

14 (6) an estimate of the costs of the pilot pro-
15 gram;

16 (7) a timeline with milestones for the pilot pro-
17 gram;

18 (8) an analysis of the existing authority of the
19 Department of Energy and Department of Defense
20 to permit the siting, construction, and operation of
21 a micro-reactor; and

22 (9) recommendations for any legislative changes
23 to the authorities analyzed under paragraph (8) nec-
24 essary for the Department of Energy and the De-

1 partment of Defense to permit the siting, construc-
2 tion, and operation of a micro-reactor.

3 (d) DEFINITIONS.—In this section:

4 (1) CRITICAL NATIONAL SECURITY INFRA-
5 STRUCTURE.—The term “critical national security
6 infrastructure” means any site or installation that
7 the Secretary of Energy or the Secretary of Defense
8 determines supports critical mission functions of the
9 national security enterprise.

10 (2) LICENSED.—The term “licensed” means
11 holding a license under section 103 or 104 of the
12 Atomic Energy Act of 1954.

13 (3) MICRO-REACTOR.—The term “micro-reactor”
14 means a nuclear reactor that has a power pro-
15 duction capacity that is not greater than 50
16 megawatts.

17 (4) PILOT PROGRAM.—The term “pilot pro-
18 gram” means the pilot program described in sub-
19 section (a).

20 (5) SECRETARY.—The term “Secretary” means
21 Secretary of Energy.

22 (e) FORM.—The report required under subsection (a)
23 shall be submitted in unclassified form, but, if the Sec-
24 retary determines it necessary, may include a classified ap-
25 pendix.

1 (f) LIMITATIONS.—This Act does not authorize the
2 Department of Energy or Department of Defense to enter
3 into a contract with respect to the pilot program.