

115TH CONGRESS
2D SESSION

H. R. 6141

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

JUNE 19, 2018

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 Armed Services

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 of
7 Energy shall develop and submit to the Committee on
8 Armed Services and the Committee on Energy and Com-

1 merce in the House of Representatives and the Committee
2 on Armed Services and the Committee on Energy and
3 Natural Resources in the Senate a report describing the
4 requirements for, and components of, a pilot program to
5 provide energy resilience for critical national security in-
6 frastructure at Department of Defense and Department
7 of Energy facilities by contracting with a commercial enti-
8 ty to site, construct, and operate at least one licensed
9 micro-reactor at a facility identified under the report by
10 December 31, 2027.

11 (b) CONSULTATION.—As necessary to develop the re-
12 port required under subsection (a), the Secretary of En-
13 ergy shall 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 licensed micro-reactor at a
22 Department of Defense or Department of Energy fa-
23 cility that contains critical national security infra-
24 structure that the Secretary of Energy determines
25 may not be energy resilient;

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 for electricity acquisition and reactor operations, in-
10 cluding various financial mechanisms for such pur-
11 pose;

12 (5) identification of requirements for licensed
13 micro-reactors to provide energy resilience to mis-
14 sion-critical functions at facilities identified under
15 paragraph (1);

16 (6) an estimate of the costs of the pilot pro-
17 gram;

18 (7) a timeline with milestones for the pilot pro-
19 gram;

20 (8) an analysis of the existing authority of the
21 Department of Energy, Nuclear Regulatory Commis-
22 sion, and Department of Defense to enable the
23 siting, construction, and operation of a licensed
24 micro-reactor; and

1 (9) recommendations for any legislative changes
2 to the authorities analyzed under paragraph (8) nec-
3 essary for the Department of Energy, Nuclear Regu-
4 latory Commission, or the Department of Defense to
5 enable the siting, construction, and operation of a li-
6 censed micro-reactor.

7 (d) DEFINITIONS.—In this section:

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

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

17 (3) MICRO-REACTOR.—The term “micro-reactor”
18 means a nuclear reactor that has a thermal
19 power production capacity that is not greater than
20 50 megawatts.

21 (4) PILOT PROGRAM.—The term “pilot pro-
22 gram” means the pilot program described in sub-
23 section (a).

24 (e) FORM.—The report required under subsection (a)
25 shall be submitted in unclassified form, but, if the Sec-

1 retary of Energy determines it necessary, may include a
2 classified appendix.

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

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