

119TH CONGRESS
1ST SESSION

S. 2389

To require the Secretary of the Army to carry out a pilot program to provide resilient energy to critical infrastructure of installations of the Army through the use of advanced nuclear reactors, to authorize multi-year contracts for such reactors, and to include nuclear energy and technology as a covered technology category for the Office of Strategic Capital of the Department of Defense, and for other purposes.

IN THE SENATE OF THE UNITED STATES

JULY 23, 2025

Mr. KIM (for himself and Mr. SHEEHY) introduced the following bill; which was read twice and referred to the Committee on Armed Services

A BILL

To require the Secretary of the Army to carry out a pilot program to provide resilient energy to critical infrastructure of installations of the Army through the use of advanced nuclear reactors, to authorize multi-year contracts for such reactors, and to include nuclear energy and technology as a covered technology category for the Office of Strategic Capital of the Department of Defense, 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 “Advanced Reactor
3 Modernization for Operational Resilience Act of 2025” or
4 the “ARMOR Act of 2025”.

5 **SEC. 2. PILOT PROGRAM TO PROVIDE RESILIENT ENERGY**
6 **TO CRITICAL INFRASTRUCTURE OF INSTAL-**
7 **LATIONS OF THE ARMY.**

8 (a) **PILOT PROGRAM REQUIRED.**—The Secretary of
9 the Army (in this section referred to as the “Secretary”),
10 in conjunction with the Director of the Defense Innovation
11 Unit, shall carry out a pilot program to provide resilient
12 energy to critical infrastructure of installations of the De-
13 partment of the Army through the deployment of a fixed
14 facility advanced nuclear micro-reactor or small modular
15 reactor (in this section referred to as the pilot program).

16 (b) **LOCATIONS.**—The Secretary shall carry out the
17 pilot program at installations in the United States under
18 the jurisdiction of the Secretary that are identified by the
19 Secretary for purposes of the pilot program.

20 (c) **OBJECTIVES.**—The objective of the pilot program
21 is to develop and provide a source of resilient energy for
22 critical infrastructure of installations of the Department
23 of the Army selected under subsection (b) by not later
24 than December 31, 2030, utilizing a fixed facility ad-
25 vanced nuclear reactor.

1 (d) CONSIDERATIONS.—In carrying out the pilot pro-
2 gram, the Secretary shall consider whether a fixed facility
3 advanced nuclear reactor under the pilot program—

4 (1) should be owned and operated by a con-
5 tractor;

6 (2) should be licensed as a commercial reactor
7 by the Nuclear Regulatory Commission, with advice
8 and consent of the Secretary; or

9 (3) as feasible and consistent with military re-
10 quirements, should be co-located with artificial intel-
11 ligence infrastructure and data centers.

12 (e) CAPABILITIES.—In carrying out the pilot pro-
13 gram, the Secretary shall ensure that a fixed facility ad-
14 vanced nuclear reactor under the pilot program—

15 (1) is capable of power generation output of up
16 to 300 megawatts; and

17 (2) as feasible and consistent with military re-
18 quirements, is capable of connecting to the commer-
19 cial grid in order to sell excess energy pursuant to
20 section 2916 of title 10, United States Code.

21 (f) LICENSING PRIORITY.—Licensing of advanced re-
22 actors covered under the pilot program shall, consistent
23 with the Accelerating Deployment of Versatile, Advanced
24 Nuclear for Clean Energy Act of 2024 (division B of Pub-
25 lic Law 118–67; 138 Stat. 1448), be prioritized by the

1 Office of Nuclear Reactor Regulation and the Nuclear
2 Regulatory Commission.

3 (g) EXPANSION OF PILOT PROGRAM.—Upon request
4 to the Secretary of Defense, and with notice to the con-
5 gressional defense committees (as defined in section
6 101(a) of title 10, United States Code), the Secretary of
7 another military department may participate in the pilot
8 program to provide resilient energy to critical infrastruc-
9 ture at installations under the jurisdiction of that Sec-
10 retary through the deployment of a fixed facility advanced
11 nuclear micro-reactor or small modular reactor.

12 (h) FUNDING.—All costs of the pilot program may
13 be paid from any appropriation available for the purposes
14 of the pilot program.

15 (i) TERMINATION DATE.—The authority to develop
16 and construct a fixed facility advance nuclear micro-react-
17 tor or small modular reactor under this section shall ter-
18minate on December 31, 2035.

19 **SEC. 3. AUTHORITY FOR MULTI-YEAR CONTRACTS FOR EN-**
20 **ERGY FROM ADVANCED NUCLEAR REAC-**
21 **TORS.**

22 Subchapter II of chapter 173 of title 10, United
23 States Code, is amended by adding at the end the fol-
24 lowing new section:

1 **“§ 2922K. Multi-year contracts for energy from ad-**
 2 **vanced nuclear reactors**

3 “(a) IN GENERAL.—Subject to subsection (b), the
 4 Secretary of a military department may enter into a con-
 5 tract or contracts for a duration of not more than 50 years
 6 for the operation of an energy production facility through
 7 the use of an advanced nuclear reactor, as that term is
 8 defined in section 951(b)(1) of the Energy Policy Act of
 9 2005 (42 U.S.C. 16271(b)(1)).

10 “(b) FUNDING.—The costs of any contract under this
 11 section may be paid from any appropriation available for
 12 that purpose.

13 “(c) CONSIDERATION.—As part of any consideration
 14 under a contract made under this section for the operation
 15 of an energy production facility, the Secretary of a mili-
 16 tary department may include the value of land leased for
 17 the siting of the energy production facility.”.

18 **SEC. 4. MODIFICATION OF COVERED TECHNOLOGY CAT-**
 19 **EGORY FOR OFFICE OF STRATEGIC CAPITAL.**

20 Section 149(e)(2) of title 10, United States Code, is
 21 amended by adding at the end the following:

22 “(HH) Nuclear energy.

23 “(II) Nuclear technologies.”.

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