115TH CONGRESS 2D 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.

Be it enacted by the Senate and House of Representa-

tives of the United States of America in Congress assembled,

SECTION 1. REPORT ON PILOT PROGRAM FOR MICRO-RE-

ACTORS.

(a) Report Required.—Not later than 12 months

after the date of enactment of this Act, the Secretary shall

develop and submit to the Committee on Armed Services
and the Committee on Energy and Commerce in the House of Representatives and the Committee on Armed Services and the Committee on Energy and Natural Resources in the Senate a report describing the requirements for, and components of, a pilot program to provide resilience for critical national security infrastructure at Department of Defense and Department of Energy facilities by contracting with a commercial entity to site, construct, and operate at least one licensed micro-reactor at a facility identified under the report by December 31, 2027.

(b) CONSULTATION.—As necessary to develop the report required under subsection (a), the Secretary shall consult with—

(1) the Secretary of Defense;
(2) the Nuclear Regulatory Commission; and
(3) the Administrator of the General Services Administration.

(c) CONTENTS.—The report required under subsection (a) shall include—

(1) identification of potential locations to site, construct, and operate a micro-reactor at a Department of Defense or Department of Energy facility that contains critical national security infrastructure that the Secretary determines may not be energy resilient;
(2) assessments of different nuclear technologies to provide energy resiliency for critical national security infrastructure;

(3) a survey of potential commercial stakeholders with which to enter into a contract under the pilot program to construct and operate a licensed micro-reactor;

(4) options to enter into long-term contracting, including various financial mechanisms for such purpose;

(5) identification of requirements for micro-reactors to provide energy resilience to mission-critical functions at facilities identified under paragraph (1);

(6) an estimate of the costs of the pilot program;

(7) a timeline with milestones for the pilot program;

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

(9) recommendations for any legislative changes to the authorities analyzed under paragraph (8) necessary for the Department of Energy and the De-
partment of Defense to permit the siting, construction, and operation of a micro-reactor.

(d) DEFINITIONS.—In this section:

(1) CRITICAL NATIONAL SECURITY INFRASTRUCTURE.—The term “critical national security infrastructure” means any site or installation that the Secretary of Energy or the Secretary of Defense determines supports critical mission functions of the national security enterprise.

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

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

(4) PILOT PROGRAM.—The term “pilot program” means the pilot program described in subsection (a).

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

(e) FORM.—The report required under subsection (a) shall be submitted in unclassified form, but, if the Secretary determines it necessary, may include a classified appendix.
(f) LIMITATIONS.—This Act does not authorize the Department of Energy or Department of Defense to enter into a contract with respect to the pilot program.