

116TH CONGRESS
1ST SESSION

S. _____

To amend the America COMPETES Act to reauthorize the ARPA–E program, and for other purposes.

IN THE SENATE OF THE UNITED STATES

Mr. VAN HOLLEN (for himself and Mr. ALEXANDER) introduced the following bill; which was read twice and referred to the Committee on

A BILL

To amend the America COMPETES Act to reauthorize the ARPA–E program, 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 “ARPA–E Reauthoriza-
5 tion Act of 2019”.

6 **SEC. 2. ARPA–E AMENDMENTS.**

7 (a) GOALS.—Section 5012(c) of the America COM-
8 PETES Act (42 U.S.C. 16538(c)) is amended—

9 (1) in paragraph (1), by striking subparagraph
10 (A) and inserting the following:

1 “(A) to enhance the economic and energy
2 security of the United States through the devel-
3 opment of energy technologies that—

4 “(i) reduce imports of energy from
5 foreign sources;

6 “(ii) reduce energy-related emissions,
7 including greenhouse gases;

8 “(iii) improve the energy efficiency of
9 all economic sectors; and

10 “(iv) improve the resilience, reliability,
11 and security of infrastructure to produce,
12 deliver, and store energy; and”;

13 (2) in paragraph (2), in the matter preceding
14 subparagraph (A), by striking “energy” and insert-
15 ing “advanced”.

16 (b) RESPONSIBILITIES.—Section 5012(e)(3)(A) of
17 the America COMPETES Act (42 U.S.C.
18 16538(e)(3)(A)) is amended by striking “energy”.

19 (c) REPORTS AND ROADMAPS.—Section 5012(h) of
20 the America COMPETES Act (42 U.S.C. 16538(h)) is
21 amended—

22 (1) in paragraph (1)—

23 (A) by striking “describing projects” and
24 inserting the following: “describing—

25 “(A) projects”;

1 (B) in subparagraph (A) (as so des-
2 ignated), by striking the period at the end and
3 inserting “, including projects that examine top-
4 ics and technologies closely relating to other ac-
5 tivities funded by the Department;” and

6 (C) by adding at the end the following:

7 “(B) an analysis of whether the Director is
8 in compliance with subsection (i)(1)(A) in sup-
9 porting projects that examine the topics and
10 technologies described in subparagraph (A); and

11 “(C) current, proposed, and planned
12 projects to be carried out pursuant to sub-
13 section (e)(3)(D).”; and

14 (2) in paragraph (2)—

15 (A) by striking “October 1, 2010, and Oc-
16 tober 1, 2013” and inserting “October 1, 2021,
17 and every 4 years thereafter”; and

18 (B) by striking “3” and inserting “4”.

19 (d) COORDINATION AND NONDUPLICATION.—Section
20 5012(i)(1) of the America COMPETES Act (42 U.S.C.
21 16538(i)(1)) is amended—

22 (1) by striking “that the activities” and insert-
23 ing the following: “that—

24 “(A) the activities”;

1 (2) in subparagraph (A) (as so designated), by
2 striking the period at the end and inserting “; and”;
3 and

4 (3) by adding at the end the following:

5 “(B) an award is not provided for a
6 project unless the prospective award recipient
7 demonstrates that—

8 “(i) the prospective award recipient
9 has made a sufficient attempt to secure
10 private financing, as determined by the Di-
11 rector; or

12 “(ii) the project is not independently
13 commercially viable.”.

14 (e) EVALUATION.—Section 5012(l) of the America
15 COMPETES Act (42 U.S.C. 16538(l)) is amended—

16 (1) in paragraph (1), by striking “After” and
17 all that follows through “years” and inserting “Not
18 later than 3 years after the date of enactment of the
19 ARPA–E Reauthorization Act of 2019”; and

20 (2) in paragraph (2)—

21 (A) in the matter preceding subparagraph
22 (A), by striking “shall” and inserting “may”;
23 and

1 (B) in subparagraph (A), by striking “the
2 recommendation of the National Academy of
3 Sciences” and inserting “a recommendation”.

4 (f) AUTHORIZATION OF APPROPRIATIONS.—Section
5 5012(o)(2) of the America COMPETES Act (42 U.S.C.
6 16538(o)(2)) is amended—

7 (1) in the matter preceding subparagraph (A),
8 by striking “paragraphs (4) and (5)” and inserting
9 “paragraph (4)”; and

10 (2) by striking subparagraphs (A) through (E)
11 and inserting the following:

12 “(A) \$428,000,000 for fiscal year 2020;

13 “(B) \$497,000,000 for fiscal year 2021;

14 “(C) \$567,000,000 for fiscal year 2022;

15 “(D) \$651,000,000 for fiscal year 2023;

16 and

17 “(E) \$750,000,000 for fiscal year 2024.”.

18 (g) TECHNICAL AMENDMENTS.—Section 5012 of the
19 America COMPETES Act (42 U.S.C. 16538) is amend-
20 ed—

21 (1) in subsection (g)(3)(A)(iii), by striking
22 “subpart” each place it appears and inserting “sub-
23 paragraph”; and

24 (2) in subsection (o)(4)(B), by striking
25 “(c)(2)(D)” and inserting “(e)(2)(C)”.