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(Original Signature of Member)

116TH CONGRESS  
1ST SESSION

**H. R.** \_\_\_\_\_

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

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IN THE HOUSE OF REPRESENTATIVES

Ms. JOHNSON of Texas introduced the following bill; which was 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) ESTABLISHMENT.—Section 5012(b) of the Amer-  
8 ica COMPETES Act (42 U.S.C. 16538(b)) is amended  
9 by striking “development of energy technologies” and in-

1 serting “development of transformative science and tech-  
2 nology solutions to address the energy and environmental  
3 missions of the Department”.

4 (b) GOALS.—Section 5012(c) of the America COM-  
5 PETES Act (42 U.S.C. 16538(c)) is amended—

6 (1) by striking paragraph (1)(A) and inserting  
7 the following:

8 “(A) to enhance the economic and energy  
9 security of the United States through the devel-  
10 opment of energy technologies that—

11 “(i) reduce imports of energy from  
12 foreign sources;

13 “(ii) reduce energy-related emissions,  
14 including greenhouse gases;

15 “(iii) improve the energy efficiency of  
16 all economic sectors;

17 “(iv) provide transformative solutions  
18 to improve the management, clean-up, and  
19 disposal of radioactive waste and spent nu-  
20 clear fuel; and

21 “(v) improve the resilience, reliability,  
22 and security of infrastructure to produce,  
23 deliver, and store energy; and”;

24 (2) in paragraph (2), in the matter preceding  
25 subparagraph (A), by striking “energy technology

1 projects” and inserting “advanced technology  
2 projects”.

3 (c) RESPONSIBILITIES.—Section 5012(e)(3)(A) of  
4 the America COMPETES Act (42 U.S.C.  
5 16538(e)(3)(A)) is amended by striking “energy”.

6 (d) REPORTS AND ROADMAPS.—Section 5012(h) of  
7 the America COMPETES Act (42 U.S.C. 16538(h)) is  
8 amended to read as follows:

9 “(h) REPORTS AND ROADMAPS.—

10 “(1) ANNUAL REPORT.—As part of the annual  
11 budget request submitted for each fiscal year, the  
12 Director shall provide to the relevant authorizing  
13 and appropriations committees of Congress a report  
14 describing—

15 “(A) projects supported by ARPA–E dur-  
16 ing the previous fiscal year; and

17 “(B) current, proposed, and planned  
18 projects to be carried out pursuant to sub-  
19 section (e)(3)(D).

20 “(2) STRATEGIC VISION ROADMAP.—Not later  
21 than October 1, 2021, and every four years there-  
22 after, the Director shall provide to the relevant au-  
23 thORIZING and appropriations committees of Congress  
24 a roadmap describing the strategic vision that  
25 ARPA–E will use to guide the choices of ARPA–E

1 for future technology investments over the following  
2 4 fiscal years.”.

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

5 (1) by striking paragraph (1) and inserting the  
6 following:

7 “(1) IN GENERAL.—Not later than 3 years  
8 after the date of enactment of the ARPA–E Reau-  
9 thorization Act of 2019, the Secretary is authorized  
10 to enter into a contract with the National Academy  
11 of Sciences under which the National Academy shall  
12 conduct an evaluation of how well ARPA–E is  
13 achieving the goals and mission of ARPA–E.”; and

14 (2) in paragraph (2)—

15 (A) in the matter preceding subparagraph  
16 (A), by striking “shall” and inserting “may”;  
17 and

18 (B) in subparagraph (A), by striking “the  
19 recommendation of the National Academy of  
20 Sciences” and inserting “a recommendation”.

21 (f) AUTHORIZATION OF APPROPRIATIONS.—Para-  
22 graph (2) of section 5012(o) of the America COMPETES  
23 Act (42 U.S.C. 16538(o)) is amended to read as follows:

24 “(2) AUTHORIZATION OF APPROPRIATIONS.—  
25 Subject to paragraph (4), there are authorized to be

1       appropriated to the Director for deposit in the  
2       Fund, without fiscal year limitation—

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

4               “(B) \$550,000,000 for fiscal year 2021;

5               “(C) \$675,000,000 for fiscal year 2022;

6               “(D) \$825,000,000 for fiscal year 2023;

7               and

8               “(E) \$1,000,000,000 for fiscal year  
9               2024.”.

10       (g) TECHNICAL AMENDMENTS.—Section 5012 of the  
11       America COMPETES Act (42 U.S.C. 16538) is amend-  
12       ed—

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

16               (2) in subsection (o)(4)(B), by striking  
17       “(c)(2)(D)” and inserting “(c)(2)(C)”.