H. R. 4091

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

IN THE HOUSE OF REPRESENTATIVES

introduced the following bill; which was referred to the Committee on Science, Space, and Technology

A BILL

To amend the America COMPETES Act to reauthorize the ARPA–E program, 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. SHORT TITLE.

This Act may be cited as the “ARPA–E Reauthorization Act of 2019”.

SEC. 2. ARPA–E AMENDMENTS.

(a) ESTABLISHMENT.—Section 5012(b) of the Amer-
ica COMPETES Act (42 U.S.C. 16538(b)) is amended
by striking “development of energy technologies” and in-
serting “development of transformative science and technology solutions to address the energy and environmental missions of the Department”.

(b) Goals.—Section 5012(c) of the America COMPETES Act (42 U.S.C. 16538(c)) is amended—

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

“(A) to enhance the economic and energy security of the United States through the development of energy technologies that—

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

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

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

“(iv) provide transformative solutions to improve the management, clean-up, and disposal of radioactive waste and spent nuclear fuel; and

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

(2) in paragraph (2), in the matter preceding subparagraph (A), by striking “energy technology
projects” and inserting “advanced technology projects”.

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

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

“(h) REPORTS AND ROADMAPS.—

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

“(A) projects supported by ARPA–E during the previous fiscal year; and

“(B) current, proposed, and planned projects to be carried out pursuant to subsection (e)(3)(D).

“(2) STRATEGIC VISION ROADMAP.—Not later than October 1, 2021, and every four years thereafter, the Director shall provide to the relevant authorizing and appropriations committees of Congress a roadmap describing the strategic vision that ARPA–E will use to guide the choices of ARPA–E
for future technology investments over the following 4 fiscal years.”.

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

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

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

(2) in paragraph (2)—

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

and

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

(f) Authorization of Appropriations.—Paragraph (2) of section 5012(o) of the America COMPETES Act (42 U.S.C. 16538(o)) is amended to read as follows:

“(2) Authorization of Appropriations.—

Subject to paragraph (4), there are authorized to be
appropriated to the Director for deposit in the
Fund, without fiscal year limitation—

“(A) $428,000,000 for fiscal year 2020;
“(B) $550,000,000 for fiscal year 2021;
“(C) $675,000,000 for fiscal year 2022;
“(D) $825,000,000 for fiscal year 2023;

and

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

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

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

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