

116TH CONGRESS
1ST SESSION

H. R. 4757

To prioritize funding for an expanded and sustained national investment
in basic science research.

IN THE HOUSE OF REPRESENTATIVES

OCTOBER 18, 2019

Mr. FOSTER (for himself, Mr. RYAN, Mr. RUSH, Mr. MCGOVERN, Ms. UNDERWOOD, and Mr. SWALWELL of California) introduced the following bill; which was referred to the Committee on the Budget, and in addition to the Committees on Science, Space, and Technology, and Armed Services, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned

A BILL

To prioritize funding for an expanded and sustained national
investment in basic science research.

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 “American Innovation
5 Act”.

1 **SEC. 2. CAP ADJUSTMENT.**

2 (a) IN GENERAL.—Section 251(b)(2) of the Balanced
3 Budget and Emergency Deficit Control Act of 1985 (2
4 U.S.C. 901(b)(2)) is amended—

5 (1) by redesignating subparagraph (D) as sub-
6 paragraph (E); and

7 (2) by inserting after subparagraph (C), the fol-
8 lowing:

9 “(D) BASIC SCIENCE RESEARCH.—

10 “(i) NATIONAL SCIENCE FOUNDA-
11 TION.—If a bill or joint resolution making
12 appropriations for a fiscal year is enacted
13 that specifies amounts for the National
14 Science Foundation, then the adjustments
15 for that fiscal year shall be the amount of
16 additional new budget authority provided
17 in that Act for such programs for that fis-
18 cal year, but shall not exceed—

19 “(I) for fiscal year 2020,
20 \$565,000,000 in additional new budg-
21 et authority;

22 “(II) for fiscal year 2021,
23 \$1,170,000,000 in additional new
24 budget authority;

1 “(III) for fiscal year 2022,
2 \$1,820,000,000 in additional new
3 budget authority;

4 “(IV) for fiscal year 2023,
5 \$2,510,000,000 in additional new
6 budget authority; and

7 “(V) for fiscal year 2024,
8 \$3,250,000,000 in additional new
9 budget authority.

10 “(ii) DEPARTMENT OF ENERGY, OF-
11 FICE OF SCIENCE.—If a bill or joint reso-
12 lution making appropriations for a fiscal
13 year is enacted that specifies amounts for
14 the Office of Science at the Department of
15 Energy, then the adjustments for that fis-
16 cal year shall be the amount of additional
17 new budget authority provided in that Act
18 for such programs for that fiscal year, but
19 shall not exceed—

20 “(I) for fiscal year 2020,
21 \$461,000,000 in additional new budg-
22 et authority;

23 “(II) for fiscal year 2021,
24 \$954,000,000 in additional new budg-
25 et authority;

1 “(III) for fiscal year 2022,
2 \$1,480,000,000 in additional new
3 budget authority;

4 “(IV) for fiscal year 2023,
5 \$2,050,000,000 in additional new
6 budget authority; and

7 “(V) for fiscal year 2024,
8 \$2,650,000,000 in additional new
9 budget authority.

10 “(iii) DEPARTMENT OF DEFENSE
11 SCIENCE AND TECHNOLOGY PROGRAMS.—
12 If a bill or joint resolution making appro-
13 priations for a fiscal year is enacted that
14 specifies amounts for the Department of
15 Defense science and technology programs,
16 then the adjustments for that fiscal year
17 shall be the amount of additional new
18 budget authority provided in that Act for
19 such programs for that fiscal year, but
20 shall not exceed—

21 “(I) for fiscal year 2020,
22 \$1,120,000,000 in additional new
23 budget authority;

1 “(II) for fiscal year 2021,
2 \$2,310,000,000 in additional new
3 budget authority;

4 “(III) for fiscal year 2022,
5 \$3,590,000,000 in additional new
6 budget authority;

7 “(IV) for fiscal year 2023,
8 \$4,960,000,000 in additional new
9 budget authority; and

10 “(V) for fiscal year 2024,
11 \$6,430,000,000 in additional new
12 budget authority.

13 “(iv) NATIONAL INSTITUTE OF
14 STANDARDS AND TECHNOLOGY SCIENTIFIC
15 AND TECHNICAL RESEARCH AND SERV-
16 ICES.—If a bill or joint resolution making
17 appropriations for a fiscal year is enacted
18 that specifies amounts for the scientific
19 and technical research and services of the
20 National Institute of Standards and Tech-
21 nology at the Department of Commerce,
22 then the adjustments for that fiscal year
23 shall be the amount of additional new
24 budget authority provided in that Act for

1 such programs for that fiscal year, but
2 shall not exceed—

3 “(I) for fiscal year 2020,
4 \$51,000,000 in additional new budget
5 authority;

6 “(II) for fiscal year 2021,
7 \$105,000,000 in additional new budg-
8 et authority;

9 “(III) for fiscal year 2022,
10 \$163,000,000 in additional new budg-
11 et authority;

12 “(IV) for fiscal year 2023,
13 \$225,000,000 in additional new budg-
14 et authority; and

15 “(V) for fiscal year 2024,
16 \$292,000,000 in additional new budg-
17 et authority.

18 “(v) NATIONAL AERONAUTICS AND
19 SPACE ADMINISTRATION SCIENCE MISSION
20 DIRECTORATE.—If a bill or joint resolution
21 making appropriations for a fiscal year is
22 enacted that specifies amounts for the
23 Science Mission Directorate at the Na-
24 tional Aeronautics and Space Administra-
25 tion, then the adjustments for that fiscal

1 year shall be the amount of additional new
2 budget authority provided in that Act for
3 such programs for that fiscal year, but
4 shall not exceed—

5 “(I) for fiscal year 2020,
6 \$483,000,000 in additional new budg-
7 et authority;

8 “(II) for fiscal year 2021,
9 \$1,000,000,000 in additional new
10 budget authority;

11 “(III) for fiscal year 2022,
12 \$1,500,000,000 in additional new
13 budget authority;

14 “(IV) for fiscal year 2023,
15 \$2,150,000,000 in additional new
16 budget authority; and

17 “(V) for fiscal year 2024,
18 \$2,780,000,000 in additional new
19 budget authority.

20 “(vi) DEFINITIONS.—As used in this
21 subparagraph:

22 “(I) ADDITIONAL NEW BUDGET
23 AUTHORITY.—The term ‘additional
24 new budget authority’ means—

1 “(aa) with respect to the
2 National Science Foundation, the
3 amount provided for a fiscal
4 year, in excess of the amount
5 provided in fiscal year 2019, in
6 an appropriation Act and speci-
7 fied to support the National
8 Science Foundation;

9 “(bb) with respect to the
10 Department of Energy Office of
11 Science, the amount provided for
12 a fiscal year, in excess of the
13 amount provided in fiscal year
14 2019, in an appropriation Act
15 and specified to support the De-
16 partment of Energy Office of
17 Science;

18 “(cc) with respect to the De-
19 partment of Defense science and
20 technology programs, the amount
21 provided for a fiscal year, in ex-
22 cess of the amount provided in
23 fiscal year 2019, in an appropria-
24 tion Act and specified to support

1 the Department of Defense
2 science and technology programs;

3 “(dd) with respect to the
4 National Institute of Standards
5 and Technology scientific and
6 technical research services, the
7 amount provided for a fiscal
8 year, in excess of the amount
9 provided in fiscal year 2019, in
10 an appropriation Act and speci-
11 fied to support the National In-
12 stitute of Standards and Tech-
13 nology scientific and technical re-
14 search services; and

15 “(ee) with respect to the
16 National Aeronautics and Space
17 Administration Science Mission
18 Directorate, the amount provided
19 for a fiscal year, in excess of the
20 amount provided in fiscal year
21 2019, in an appropriation Act
22 and specified to support the Na-
23 tional Aeronautics and Space Ad-
24 ministration Science Mission Di-
25 rectorate.

1 “(II) DEPARTMENT OF DEFENSE
2 SCIENCE AND TECHNOLOGY PRO-
3 GRAMS.—The term ‘Department of
4 Defense science and technology pro-
5 grams’ means the appropriations ac-
6 counts that support the various insti-
7 tutes, offices, and centers that make
8 up the Department of Defense science
9 and technology programs.

10 “(III) DEPARTMENT OF ENERGY
11 OFFICE OF SCIENCE.—The term ‘De-
12 partment of Energy Office of Science’
13 means the appropriations accounts
14 that support the various institutes, of-
15 fices, and centers that make up the
16 Department of Energy Office of
17 Science.

18 “(IV) NATIONAL AERONAUTICS
19 AND SPACE ADMINISTRATION SCIENCE
20 MISSION DIRECTORATE.—The term
21 ‘National Aeronautics and Space Ad-
22 ministration Science Mission Direc-
23 torate’ means the appropriations ac-
24 counts that support the various insti-
25 tutes, offices, and centers that make

1 up the National Aeronautics and
2 Space Administration Science Mission
3 Directorate.

4 “(V) NATIONAL INSTITUTE OF
5 STANDARDS AND TECHNOLOGY SCI-
6 ENTIFIC AND TECHNICAL RESEARCH
7 AND SERVICES.—The term ‘National
8 Institute of Standards and Tech-
9 nology scientific and technical re-
10 search and services’ means the appro-
11 priations accounts that support the
12 various institutes, offices, and centers
13 that make up the National Institute
14 of Standards and Technology sci-
15 entific and technical research and
16 services.

17 “(VI) NATIONAL SCIENCE FOUN-
18 DATION.—The term ‘National Science
19 Foundation’ means the appropriations
20 accounts that support the various in-
21 stitutes, offices, and centers that
22 make up the National Science Foun-
23 dation.”.

24 (b) FUNDING.—There are hereby authorized to be
25 appropriated—

1 (1) for the National Science Foundation, the
2 amounts provided for under clause (i) of such sec-
3 tion 251(b)(2)(D) in each of fiscal years 2020
4 through 2024, and such sums as may be necessary
5 for each subsequent fiscal year;

6 (2) for the Department of Energy Office of
7 Science, the amounts provided for under clause (ii)
8 of such section 251(b)(2)(D) in each of fiscal years
9 2020 through 2024, and such sums as may be nec-
10 essary for each subsequent fiscal year;

11 (3) for the Department of Defense science and
12 technology programs, the amounts provided for
13 under clause (iii) of such section 251(b)(2)(D) in
14 each of fiscal years 2020 through 2024, and such
15 sums as may be necessary for each subsequent fiscal
16 year;

17 (4) for the National Institute of Standards and
18 Technology scientific and technical research and
19 services, the amounts provided for under clause (iv)
20 of such section 251(b)(2)(D) in each of fiscal years
21 2020 through 2024, and such sums as may be nec-
22 essary for each subsequent fiscal year; and

23 (5) for the National Aeronautics and Space Ad-
24 ministration Science Mission Directorate, the
25 amounts provided for under clause (v) of such sec-

1 tion 251(b)(2)(D) in each of fiscal years 2020
2 through 2024, and such sums as may be necessary
3 for each subsequent fiscal year.

4 (c) MINIMUM CONTINUED FUNDING REQUIRE-
5 MENT.—Amounts appropriated for each of the programs
6 and agencies described in section 251(b)(2)(D) of the Bal-
7 anced Budget and Emergency Deficit Control Act of 1985
8 (as added by subsection (a)) for each of fiscal years 2020
9 through 2024, and each subsequent fiscal year, shall not
10 be less than the amounts appropriated for such programs
11 and agencies for fiscal year 2019.

12 (d) EXEMPTION OF CERTAIN APPROPRIATIONS FROM
13 SEQUESTRATION.—

14 (1) IN GENERAL.—Section 255(g)(1)(A) of the
15 Balanced Budget and Emergency Deficit Control
16 Act (2 U.S.C. 905(g)(1)(A)) is amended by inserting
17 after “Advances to the Unemployment Trust Fund
18 and Other Funds (16–0327–0–1–600).” the fol-
19 lowing:

20 “Appropriations under the American
21 Innovation Act.”.

22 (2) APPLICABILITY.—The amendment made by
23 this section shall apply to any sequestration order
24 issued under the Balanced Budget and Emergency

- 1 Deficit Control Act of 1985 (2 U.S.C. 900 et seq.)
- 2 on or after the date of enactment of this Act.

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