

Suspend the Rules and Pass the Bill, HR. 2996, with An Amendment

(The amendment strikes all after the enacting clause and inserts a new text)

113TH CONGRESS
1ST SESSION

H. R. 2996

To require the Secretary of Commerce to establish the Network for Manufacturing Innovation and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

AUGUST 2, 2013

Mr. REED (for himself and Mr. KENNEDY) introduced the following bill; which was referred to the Committee on Science, Space, and Technology, and in addition to the Committee on Appropriations, 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 require the Secretary of Commerce to establish the Network for Manufacturing Innovation 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 “Revitalize American
5 Manufacturing and Innovation Act of 2014”.

1 **SEC. 2. FINDINGS.**

2 Congress finds the following:

3 (1) In 2012, manufacturers contributed \$2.03
4 trillion to the economy, or $\frac{1}{8}$ of United States Gross
5 Domestic Product.

6 (2) For every \$1.00 spent in manufacturing,
7 another \$1.32 is added to the economy, the highest
8 multiplier effect of any economic sector.

9 (3) Manufacturing supports an estimated
10 17,400,000 jobs in the United States—about 1 in 6
11 private-sector jobs. More than 12,000,000 Ameri-
12 cans (or 9 percent of the workforce) are employed
13 directly in manufacturing.

14 (4) In 2012, the average manufacturing worker
15 in the United States earned \$77,505 annually, in-
16 cluding pay and benefits. The average worker in all
17 industries earned \$62,063.

18 (5) Taken alone, manufacturing in the United
19 States would be the 8th largest economy in the
20 world.

21 (6) Manufacturers in the United States perform
22 two-thirds of all private-sector research and develop-
23 ment in the United States, driving more innovation
24 than any other sector.

1 **SEC. 3. ESTABLISHMENT OF NETWORK FOR MANUFAC-**
2 **TURING INNOVATION.**

3 The National Institute of Standards and Technology
4 Act (15 U.S.C. 271 et seq.) is amended—

5 (1) by redesignating section 34 as section 35;

6 and

7 (2) by inserting after section 33 (15 U.S.C.
8 278r) the following:

9 **“SEC. 34. NETWORK FOR MANUFACTURING INNOVATION.**

10 **“(a) ESTABLISHMENT OF NETWORK FOR MANUFAC-**
11 **TURING INNOVATION PROGRAM.—**

12 **“(1) IN GENERAL.—**The Secretary shall estab-
13 lish within the Institute a program to be known as
14 the ‘Network for Manufacturing Innovation Pro-
15 gram’ (referred to in this section as the ‘Program’).

16 **“(2) PURPOSES OF PROGRAM.—**The purposes of
17 the Program are—

18 **“(A)** to improve the competitiveness of
19 United States manufacturing and to increase
20 the production of goods manufactured predomi-
21 nantly within the United States;

22 **“(B)** to stimulate United States leadership
23 in advanced manufacturing research, innova-
24 tion, and technology;

25 **“(C)** to facilitate the transition of innova-
26 tive technologies into scalable, cost-effective,

1 and high-performing manufacturing capabili-
2 ties;

3 “(D) to facilitate access by manufacturing
4 enterprises to capital-intensive infrastructure,
5 including high-performance electronics and
6 computing, and the supply chains that enable
7 these technologies;

8 “(E) to accelerate the development of an
9 advanced manufacturing workforce;

10 “(F) to facilitate peer exchange of and the
11 documentation of best practices in addressing
12 advanced manufacturing challenges;

13 “(G) to leverage non-Federal sources of
14 support to promote a stable and sustainable
15 business model without the need for long-term
16 Federal funding; and

17 “(H) to create and preserve jobs.

18 “(3) SUPPORT.—The Secretary, acting through
19 the Director, shall carry out the purposes set forth
20 in paragraph (2) by supporting—

21 “(A) the Network for Manufacturing Inno-
22 vation established under subsection (b); and

23 “(B) the establishment of centers for man-
24 ufacturing innovation.

1 “(4) DIRECTOR.—The Secretary shall carry out
2 the Program through the Director.

3 “(b) ESTABLISHMENT OF NETWORK FOR MANUFAC-
4 TURING INNOVATION.—

5 “(1) IN GENERAL.—As part of the Program,
6 the Secretary shall establish a network of centers for
7 manufacturing innovation.

8 “(2) DESIGNATION.—The network established
9 under paragraph (1) shall be known as the ‘Network
10 for Manufacturing Innovation’ (referred to in this
11 section as the ‘Network’).

12 “(c) CENTERS FOR MANUFACTURING INNOVATION.—

13 “(1) IN GENERAL.—For purposes of this sec-
14 tion, a ‘center for manufacturing innovation’ is a
15 center that—

16 “(A) has been established by a person or
17 group of persons to address challenges in ad-
18 vanced manufacturing and to assist manufac-
19 turers in retaining or expanding industrial pro-
20 duction and jobs in the United States;

21 “(B) has a predominant focus on a manu-
22 facturing process, novel material, enabling tech-
23 nology, supply chain integration methodology,
24 or another relevant aspect of advanced manu-
25 facturing, such as nanotechnology applications,

1 advanced ceramics, photonics and optics, com-
2 posites, biobased and advanced materials, flexi-
3 ble hybrid technologies, and tool development
4 for microelectronics;

5 “(C) as determined by the Secretary, has
6 the potential—

7 “(i) to improve the competitiveness of
8 United States manufacturing, including
9 key advanced manufacturing technologies
10 such as nanotechnology, advanced ceram-
11 ics, photonics and optics, composites,
12 biobased and advanced materials, flexible
13 hybrid technologies, and tool development
14 for microelectronics;

15 “(ii) to accelerate non-Federal invest-
16 ment in advanced manufacturing produc-
17 tion capacity in the United States; or

18 “(iii) to enable the commercial appli-
19 cation of new technologies or industry-wide
20 manufacturing processes; and

21 “(D) includes active participation among
22 representatives from multiple industrial entities,
23 research universities, community colleges, and
24 such other entities as the Secretary considers
25 appropriate, which may include industry-led

1 consortia, career and technical education
2 schools, Federal laboratories, State, local, and
3 tribal governments, businesses, educational in-
4 stitutions, and nonprofit organizations.

5 “(2) ACTIVITIES.—Activities of a center for
6 manufacturing innovation may include the following:

7 “(A) Research, development, and dem-
8 onstration projects, including proof-of-concept
9 development and prototyping, to reduce the
10 cost, time, and risk of commercializing new
11 technologies and improvements in existing tech-
12 nologies, processes, products, and research and
13 development of materials to solve precompetitive
14 industrial problems with economic or national
15 security implications.

16 “(B) Development and implementation of
17 education, training, and workforce recruitment
18 courses, materials, and programs.

19 “(C) Development of innovative methodolo-
20 gies and practices for supply chain integration
21 and introduction of new technologies into sup-
22 ply chains.

23 “(D) Outreach and engagement with small
24 and medium-sized manufacturing enterprises,
25 including women and minority owned manufac-

1 turing enterprises, in addition to large manu-
2 facturing enterprises.

3 “(E) Such other activities as the Sec-
4 retary, in consultation with Federal depart-
5 ments and agencies whose missions contribute
6 to or are affected by advanced manufacturing,
7 considers consistent with the purposes described
8 in subsection (a)(2).

9 “(3) ADDITIONAL CENTERS FOR MANUFAC-
10 TURING INNOVATION.—

11 “(A) IN GENERAL.—The National Additive
12 Manufacturing Innovation Institute and other
13 manufacturing centers formally recognized as
14 manufacturing innovation centers pursuant to
15 Federal law or executive actions, or under pend-
16 ing interagency review for such recognition as
17 of the date of enactment of the Revitalize
18 American Manufacturing and Innovation Act of
19 2014, shall be considered centers for manufac-
20 turing innovation, but such centers shall not re-
21 ceive any financial assistance under subsection
22 (d).

23 “(B) NETWORK PARTICIPATION.—A manu-
24 facturing center that is substantially similar to
25 those established under this subsection but that

1 does not receive financial assistance under sub-
2 section (d) may, upon request of the center, be
3 recognized as a center for manufacturing inno-
4 vation by the Secretary for purposes of partici-
5 pation in the Network.

6 “(d) FINANCIAL ASSISTANCE TO ESTABLISH AND
7 SUPPORT CENTERS FOR MANUFACTURING INNOVA-
8 TION.—

9 “(1) IN GENERAL.—In carrying out the Pro-
10 gram, the Secretary shall award financial assistance
11 to a person or group of persons to assist the organi-
12 zation in planning, establishing, or supporting a cen-
13 ter for manufacturing innovation.

14 “(2) APPLICATION.—A person or group of per-
15 sons seeking financial assistance under paragraph
16 (1) shall submit to the Secretary an application
17 therefor at such time, in such manner, and con-
18 taining such information as the Secretary may re-
19 quire. The application shall, at a minimum, describe
20 the specific sources and amounts of non-Federal fi-
21 nancial support for the center on the date financial
22 assistance is sought, as well as the anticipated
23 sources and amounts of non-Federal financial sup-
24 port during the period for which the center could be

1 eligible for continued Federal financial assistance
2 under this section.

3 “(3) OPEN PROCESS.—In soliciting applications
4 for financial assistance under paragraph (1), the
5 Secretary shall ensure an open process that will
6 allow for the consideration of all applications rel-
7 evant to advanced manufacturing regardless of tech-
8 nology area.

9 “(4) SELECTION.—

10 “(A) COMPETITIVE, MERIT REVIEW.—In
11 awarding financial assistance under paragraph
12 (1), the Secretary shall use a competitive, merit
13 review process that includes peer review by a di-
14 verse group of individuals with relevant exper-
15 tise from both the private and public sectors.

16 “(B) PARTICIPATION IN PROCESS.—

17 “(i) IN GENERAL.—No political ap-
18 pointee may participate on a peer review
19 panel. The Secretary shall implement a
20 conflict of interest policy that ensures pub-
21 lic transparency and accountability, and re-
22 quires full disclosure of any real or poten-
23 tial conflicts of interest on the parts of in-
24 dividuals that participate in the merit se-
25 lection process.

1 “(ii) DEFINITION.—For purposes of
2 this subparagraph, the term ‘political ap-
3 pointee’ means any individual who—

4 “(I) is employed in a position de-
5 scribed under sections 5312 through
6 5316 of title 5, United States Code,
7 (relating to the Executive Schedule);

8 “(II) is a limited term appointee,
9 limited emergency appointee, or non-
10 career appointee in the Senior Execu-
11 tive Service, as defined under para-
12 graphs (5), (6), and (7), respectively,
13 of section 3132(a) of title 5, United
14 States Code; or

15 “(III) is employed in a position
16 in the executive branch of the Govern-
17 ment of a confidential or policy-deter-
18 mining character under schedule C of
19 subpart C of part 213 of title 5 of the
20 Code of Federal Regulations.

21 “(C) PERFORMANCE MEASUREMENT,
22 TRANSPARENCY, AND ACCOUNTABILITY.—For
23 each award of financial assistance under para-
24 graph (1), the Secretary shall—

1 “(i) make publicly available at the
2 time of the award a description of the
3 bases for the award, including an expla-
4 nation of the relative merits of the winning
5 applicant as compared to other applica-
6 tions received, if applicable; and

7 “(ii) develop and implement metrics-
8 based performance measures to assess the
9 effectiveness of the activities funded.

10 “(D) COLLABORATION.—In awarding fi-
11 nancial assistance under paragraph (1), the
12 Secretary shall, acting through the National
13 Program Office established under subsection
14 (f)(1), collaborate with Federal departments
15 and agencies whose missions contribute to or
16 are affected by advanced manufacturing.

17 “(E) CONSIDERATIONS.—In selecting a
18 person who submitted an application under
19 paragraph (2) for an award of financial assist-
20 ance under paragraph (1), the Secretary shall
21 consider, at a minimum, the following:

22 “(i) The potential of the center for
23 manufacturing innovation to advance do-
24 mestic manufacturing and the likelihood of
25 economic impact, including the creation or

1 preservation of jobs, in the predominant
2 focus areas of the center for manufac-
3 turing innovation.

4 “(ii) The commitment of continued fi-
5 nancial support, advice, participation, and
6 other contributions from non-Federal
7 sources, to provide leverage and resources
8 to promote a stable and sustainable busi-
9 ness model without the need for long-term
10 Federal funding.

11 “(iii) Whether the financial support
12 provided to the center for manufacturing
13 innovation from non-Federal sources sig-
14 nificantly exceeds the requested Federal fi-
15 nancial assistance.

16 “(iv) How the center for manufac-
17 turing innovation will increase the non-
18 Federal investment in advanced manufac-
19 turing research in the United States.

20 “(v) How the center for manufac-
21 turing innovation will engage with small
22 and medium-sized manufacturing enter-
23 prises, to improve the capacity of such en-
24 terprises to commercialize new processes
25 and technologies.

1 “(vi) How the center for manufac-
2 turing innovation will carry out educational
3 and workforce activities that meet indus-
4 trial needs related to the predominant
5 focus areas of the center.

6 “(vii) How the center for manufac-
7 turing innovation will advance economic
8 competitiveness and generate substantial
9 benefits to the Nation that extend beyond
10 the direct return to participants in the
11 Program.

12 “(viii) Whether the predominant focus
13 of the center for manufacturing innovation
14 is a manufacturing process, novel material,
15 enabling technology, supply chain integra-
16 tion methodology, or other relevant aspect
17 of advanced manufacturing that has not
18 already been commercialized, marketed,
19 distributed, or sold by another entity.

20 “(ix) How the center for manufac-
21 turing innovation will strengthen and lever-
22 age the assets of a region.

23 “(x) How the center for manufac-
24 turing will encourage the education and

1 training of veterans and individuals with
2 disabilities.

3 “(5) LIMITATIONS ON AWARDS.—

4 “(A) IN GENERAL.—No award of financial
5 assistance may be made under paragraph (1) to
6 a center of manufacturing innovation after the
7 7-year period beginning on the date on which
8 the Secretary first awards financial assistance
9 to that center under that paragraph.

10 “(B) MATCHING FUNDS AND PREF-
11 ERENCES.—The total Federal financial assist-
12 ance awarded to a center of manufacturing in-
13 novation, including the financial assistance
14 under paragraph (1), in a given year shall not
15 exceed 50 percent of the total funding of the
16 center in that year, except that the Secretary
17 may make an exception in the case of large cap-
18 ital facilities or equipment purchases. The Sec-
19 retary shall give weighted preference to appli-
20 cants seeking less than the maximum Federal
21 share of funds allowed under this paragraph.

22 “(C) FUNDING DECREASE.—The amount
23 of financial assistance provided to a center of
24 manufacturing innovation under paragraph (1)
25 shall decrease after the second year of funding

1 for the center, and shall continue to decrease
2 thereafter in each year in which financial assist-
3 ance is provided, unless the Secretary deter-
4 mines that—

5 “(i) the center is otherwise meeting
6 its stated goals and metrics under this sec-
7 tion;

8 “(ii) unforeseen circumstances have
9 altered the center’s anticipated funding;
10 and

11 “(iii) the center can identify future
12 non-Federal funding sources that would
13 warrant a temporary exemption from the
14 limitations established in this subpara-
15 graph.

16 “(e) FUNDING.—

17 “(1) GENERAL RULE.—Except as provided in
18 paragraph (2), no funds are authorized to be appro-
19 priated by the Revitalize American Manufacturing
20 and Innovation Act of 2014 for carrying out this
21 section.

22 “(2) AUTHORITY.—

23 “(A) NIST INDUSTRIAL TECHNICAL SERV-
24 ICES ACCOUNT.—To the extent provided for in
25 advance by appropriations Acts, the Secretary

1 may use not to exceed \$5,000,000 for each of
2 the fiscal years 2015 through 2024 to carry out
3 this section from amounts appropriated to the
4 Institute for Industrial Technical Services.

5 “(B) ENERGY EFFICIENCY AND RENEW-
6 ABLE ENERGY ACCOUNT.—To the extent pro-
7 vided for in advance by appropriations Acts, the
8 Secretary of Energy may transfer to the Insti-
9 tute not to exceed \$250,000,000 for the period
10 encompassing fiscal years 2015 through 2024
11 for the Secretary to carry out this section from
12 amounts appropriated for advanced manufac-
13 turing research and development within the En-
14 ergy Efficiency and Renewable Energy account
15 for the Department of Energy.

16 “(f) NATIONAL PROGRAM OFFICE.—

17 “(1) ESTABLISHMENT.—The Secretary shall es-
18 tablish, within the Institute, the National Office of
19 the Network for Manufacturing Innovation Program
20 (referred to in this section as the ‘National Program
21 Office’), which shall oversee and carry out the Pro-
22 gram.

23 “(2) FUNCTIONS.—The functions of the Na-
24 tional Program Office are—

1 “(A) to oversee the planning, management,
2 and coordination of the Program;

3 “(B) to enter into memorandums of under-
4 standing with Federal departments and agen-
5 cies whose missions contribute to or are af-
6 fected by advanced manufacturing, to carry out
7 the purposes described in subsection (a)(2);

8 “(C) to develop, not later than 1 year after
9 the date of enactment of the Revitalize Amer-
10 ican Manufacturing and Innovation Act of
11 2014, and update not less frequently than once
12 every 3 years thereafter, a strategic plan to
13 guide the Program;

14 “(D) to establish such procedures, proc-
15 esses, and criteria as may be necessary and ap-
16 propriate to maximize cooperation and coordi-
17 nate the activities of the Program with pro-
18 grams and activities of other Federal depart-
19 ments and agencies whose missions contribute
20 to or are affected by advanced manufacturing;

21 “(E) to establish a clearinghouse of public
22 information related to the activities of the Pro-
23 gram; and

24 “(F) to act as a convener of the Network.

1 “(3) RECOMMENDATIONS.—In developing and
2 updating the strategic plan under paragraph (2)(C),
3 the Secretary shall solicit recommendations and ad-
4 vice from a wide range of stakeholders, including in-
5 dustry, small and medium-sized manufacturing en-
6 terprises, research universities, community colleges,
7 and other relevant organizations and institutions on
8 an ongoing basis.

9 “(4) REPORT TO CONGRESS.—Upon completion,
10 the Secretary shall transmit the strategic plan re-
11 quired under paragraph (2)(C) to the Committee on
12 Commerce, Science, and Transportation of the Sen-
13 ate and the Committee on Science, Space, and Tech-
14 nology of the House of Representatives.

15 “(5) HOLLINGS MANUFACTURING EXTENSION
16 PARTNERSHIP.—The Secretary shall ensure that the
17 National Program Office incorporates the Hollings
18 Manufacturing Extension Partnership into Program
19 planning to ensure that the results of the Program
20 reach small and medium-sized entities.

21 “(6) DETAILEES.—Any Federal Government
22 employee may be detailed to the National Program
23 Office without reimbursement. Such detail shall be
24 without interruption or loss of civil service status or
25 privilege.

1 “(g) REPORTING AND AUDITING.—

2 “(1) ANNUAL REPORTS TO THE SECRETARY.—

3 “(A) IN GENERAL.—The Secretary shall
4 require each recipient of financial assistance
5 under subsection (d)(1) to annually submit a
6 report to the Secretary that describes the fi-
7 nances and performance of the center for man-
8 ufacturing innovation for which such assistance
9 was awarded.

10 “(B) ELEMENTS.—Each report submitted
11 under subparagraph (A) shall include—

12 “(i) an accounting of expenditures of
13 amounts awarded to the recipient under
14 subsection (d)(1); and

15 “(ii) consistent with the metrics-based
16 performance measures developed and im-
17 plemented by the Secretary under this sec-
18 tion, a description of the performance of
19 the center for manufacturing innovation
20 with respect to—

21 “(I) its goals, plans, financial
22 support, and accomplishments; and

23 “(II) how the center for manu-
24 facturing innovation has furthered the

1 purposes described in subsection
2 (a)(2).

3 “(2) ANNUAL REPORTS TO CONGRESS.—

4 “(A) IN GENERAL.—Not less frequently
5 than once each year until December 31, 2024,
6 the Secretary shall submit a report to Congress
7 that describes the performance of the Program
8 during the most recent 1-year period.

9 “(B) ELEMENTS.—Each report submitted
10 under subparagraph (A) shall include, for the
11 period covered by the report—

12 “(i) a summary and assessment of the
13 reports received by the Secretary under
14 paragraph (1);

15 “(ii) an accounting of the funds ex-
16 pended by the Secretary under the Pro-
17 gram, including any temporary exemptions
18 granted from the requirements of sub-
19 section (d)(5)(C);

20 “(iii) an assessment of the partici-
21 pation in, and contributions to, the Network
22 by any centers for manufacturing innova-
23 tion not receiving financial assistance
24 under subsection (d)(1); and

1 “(iv) an assessment of the Program
2 with respect to meeting the purposes de-
3 scribed in subsection (a)(2).

4 “(3) ASSESSMENTS BY GAO.—

5 “(A) ASSESSMENTS.—Not less frequently
6 than once every 2 years, the Comptroller Gen-
7 eral shall submit to Congress an assessment of
8 the operation of the Program during the most
9 recent 2-year period.

10 “(B) FINAL ASSESSMENT.—Not later than
11 December 31, 2024, the Comptroller General
12 shall submit to Congress a final report regard-
13 ing the overall success of the Program.

14 “(C) ELEMENTS.—Each assessment sub-
15 mitted under subparagraph (A) or (B) shall in-
16 clude, for the period covered by the report—

17 “(i) a review of the management, co-
18 ordination, and industry utility of the Pro-
19 gram;

20 “(ii) an assessment of the extent to
21 which the Program has furthered the pur-
22 poses described in subsection (a)(2);

23 “(iii) such recommendations for legis-
24 lative and administrative action as the

1 Comptroller General considers appropriate
2 to improve the Program; and

3 “(iv) an assessment as to whether any
4 prior recommendations for improvement
5 made by the Comptroller General have
6 been implemented or adopted.

7 “(h) ADDITIONAL AUTHORITIES.—

8 “(1) APPOINTMENT OF PERSONNEL AND CON-
9 TRACTS.—The Secretary may appoint such per-
10 sonnel and enter into such contracts, financial as-
11 sistance agreements, and other agreements as the
12 Secretary considers necessary or appropriate to
13 carry out the Program, including support for re-
14 search and development activities involving a center
15 for manufacturing innovation.

16 “(2) TRANSFER OF FUNDS.—Of amounts avail-
17 able under the authority provided by subsection (e),
18 the Secretary may transfer to other Federal agencies
19 such sums as the Secretary considers necessary or
20 appropriate to carry out the Program. No funds so
21 transferred may be used to reimburse or otherwise
22 pay for the costs of financial assistance incurred or
23 commitments of financial assistance made prior to
24 the date of enactment of the Revitalize American
25 Manufacturing and Innovation Act of 2014.

1 “(3) AUTHORITY OF OTHER AGENCIES.—In the
2 event that the Secretary exercises the authority to
3 transfer funds to another agency under paragraph
4 (2), such agency may accept such funds to award
5 and administer, under the same conditions and con-
6 straints applicable to the Secretary, all aspects of fi-
7 nancial assistance awards under this section.

8 “(4) USE OF RESOURCES.—In furtherance of
9 the purposes of the Program, the Secretary may use,
10 with the consent of a covered entity and with or
11 without reimbursement, the land, services, equip-
12 ment, personnel, and facilities of such covered entity.

13 “(5) ACCEPTANCE OF RESOURCES.—In addition
14 to amounts appropriated to carry out the Program,
15 the Secretary may accept funds, services, equipment,
16 personnel, and facilities from any covered entity to
17 carry out the Program, subject to the same condi-
18 tions and constraints otherwise applicable to the
19 Secretary under this section and such funds may
20 only be obligated to the extent provided for in ad-
21 vance by appropriations Acts.

22 “(6) COVERED ENTITY.—For purposes of this
23 subsection, a covered entity is any Federal depart-
24 ment, Federal agency, instrumentality of the United
25 States, State, local government, tribal government,

1 territory, or possession of the United States, or of
2 any political subdivision thereof, or international or-
3 ganization, or any public or private entity or indi-
4 vidual.

5 “(i) PATENTS.—Chapter 18 of title 35, United States
6 Code, shall apply to any funding agreement (as defined
7 in section 201 of that title) awarded to new or existing
8 centers for manufacturing innovation.”.

9 **SEC. 4. NATIONAL STRATEGIC PLAN FOR ADVANCED MANU-
10 FACTURING.**

11 Section 102 of the America COMPETES Reauthor-
12 ization Act of 2010 (42 U.S.C. 6622) is amended—

13 (1) in subsection (a), by adding at the end the
14 following: “In furtherance of the Committee’s work,
15 the Committee shall consult with the National Eco-
16 nomic Council.”;

17 (2) in subsection (b), by striking paragraph (7)
18 and inserting the following:

19 “(7) develop and update a national strategic
20 plan for advanced manufacturing in accordance with
21 subsection (c).”; and

22 (3) by striking subsection (c) and inserting the
23 following:

24 “(c) NATIONAL STRATEGIC PLAN FOR ADVANCED
25 MANUFACTURING.—

1 “(1) IN GENERAL.—The President shall submit
2 to Congress, and publish on an Internet website that
3 is accessible to the public, the strategic plan devel-
4 oped under paragraph (2).

5 “(2) DEVELOPMENT.—The Committee shall de-
6 velop, and update as required under paragraph (4),
7 in coordination with the National Economic Council,
8 a strategic plan to improve Government coordination
9 and provide long-term guidance for Federal pro-
10 grams and activities in support of United States
11 manufacturing competitiveness, including advanced
12 manufacturing research and development.

13 “(3) CONTENTS.—The strategic plan described
14 in paragraph (2) shall—

15 “(A) specify and prioritize near-term and
16 long-term objectives, including research and de-
17 velopment objectives, the anticipated time frame
18 for achieving the objectives, and the metrics for
19 use in assessing progress toward the objectives;

20 “(B) describe the progress made in achiev-
21 ing the objectives from prior strategic plans, in-
22 cluding a discussion of why specific objectives
23 were not met;

24 “(C) specify the role, including the pro-
25 grams and activities, of each relevant Federal

1 agency in meeting the objectives of the strategic
2 plan;

3 “(D) describe how the Federal agencies
4 and Federally funded research and development
5 centers supporting advanced manufacturing re-
6 search and development will foster the transfer
7 of research and development results into new
8 manufacturing technologies and United States-
9 based manufacturing of new products and proc-
10 esses for the benefit of society to ensure na-
11 tional, energy, and economic security;

12 “(E) describe how such Federal agencies
13 and centers will strengthen all levels of manu-
14 facturing education and training programs to
15 ensure an adequate, well-trained workforce;

16 “(F) describe how such Federal agencies
17 and centers will assist small and medium-sized
18 manufacturers in developing and implementing
19 new products and processes;

20 “(G) analyze factors that impact innova-
21 tion and competitiveness for United States ad-
22 vanced manufacturing, including—

23 “(i) technology transfer and commer-
24 cialization activities;

1 “(ii) the adequacy of the national se-
2 curity industrial base;

3 “(iii) the capabilities of the domestic
4 manufacturing workforce;

5 “(iv) export opportunities and trade
6 policies;

7 “(v) financing, investment, and tax-
8 ation policies and practices;

9 “(vi) emerging technologies and mar-
10 kets;

11 “(vii) advanced manufacturing re-
12 search and development undertaken by
13 competing nations; and

14 “(viii) the capabilities of the manufac-
15 turing workforce of competing nations; and

16 “(H) elicit and consider the recommenda-
17 tions of a wide range of stakeholders, including
18 representatives from diverse manufacturing
19 companies, academia, and other relevant orga-
20 nizations and institutions.

21 “(4) UPDATES.—Not later than May 1, 2018,
22 and not less frequently than once every 4 years
23 thereafter, the President shall submit to Congress,
24 and publish on an Internet website that is accessible
25 to the public, an update of the strategic plan sub-

1 mitted under paragraph (1). Such updates shall be
2 developed in accordance with the procedures set
3 forth under this subsection.

4 “(5) REQUIREMENT TO CONSIDER STRATEGY IN
5 THE BUDGET.—In preparing the budget for a fiscal
6 year under section 1105(a) of title 31, United States
7 Code, the President shall include information re-
8 garding the consistency of the budget with the goals
9 and recommendations included in the strategic plan
10 developed under this subsection applying to that fis-
11 cal year.

12 “(6) AMP STEERING COMMITTEE INPUT.—The
13 Advanced Manufacturing Partnership Steering Com-
14 mittee of the President’s Council of Advisors on
15 Science and Technology shall provide input, perspec-
16 tive, and recommendations to assist in the develop-
17 ment and updates of the strategic plan under this
18 subsection.”.

19 **SEC. 5. REGIONAL INNOVATION PROGRAM.**

20 Section 27 of the Stevenson-Wydler Technology Inno-
21 vation Act of 1980 (15 U.S.C. 3722) is amended to read
22 as follows:

23 **“SEC. 27. REGIONAL INNOVATION PROGRAM.**

24 “(a) ESTABLISHMENT.—The Secretary shall estab-
25 lish a regional innovation program to encourage and sup-

1 port the development of regional innovation strategies, in-
2 cluding regional innovation clusters.

3 “(b) CLUSTER GRANTS.—

4 “(1) IN GENERAL.—As part of the program es-
5 tablished under subsection (a), the Secretary may
6 award grants on a competitive basis to eligible re-
7 cipients for activities relating to the formation and
8 development of regional innovation clusters.

9 “(2) PERMISSIBLE ACTIVITIES.—Grants award-
10 ed under this subsection may be used for activities
11 determined appropriate by the Secretary, including
12 the following:

13 “(A) Feasibility studies.

14 “(B) Planning activities.

15 “(C) Technical assistance.

16 “(D) Developing or strengthening commu-
17 nication and collaboration between and among
18 participants of a regional innovation cluster.

19 “(E) Attracting additional participants to
20 a regional innovation cluster.

21 “(F) Facilitating market development of
22 products and services developed by a regional
23 innovation cluster, including through dem-
24 onstration, deployment, technology transfer,
25 and commercialization activities.

1 “(G) Developing relationships between a
2 regional innovation cluster and entities or clus-
3 ters in other regions.

4 “(H) Interacting with the public and State
5 and local governments to meet the goals of the
6 cluster.

7 “(3) ELIGIBLE RECIPIENT DEFINED.—In this
8 subsection, the term ‘eligible recipient’ means—

9 “(A) a State;

10 “(B) an Indian tribe;

11 “(C) a city or other political subdivision of
12 a State;

13 “(D) an entity that—

14 “(i) is a nonprofit organization, an in-
15 stitution of higher education, a public-pri-
16 vate partnership, a science or research
17 park, a Federal laboratory, or an economic
18 development organization or similar entity;
19 and

20 “(ii) has an application that is sup-
21 ported by a State or a political subdivision
22 of a State; or

23 “(E) a consortium of any of the entities
24 described in subparagraphs (A) through (D).

25 “(4) APPLICATION.—

1 “(A) IN GENERAL.—An eligible recipient
2 shall submit an application to the Secretary at
3 such time, in such manner, and containing such
4 information and assurances as the Secretary
5 may require.

6 “(B) COMPONENTS.—The application shall
7 include, at a minimum, a description of the re-
8 gional innovation cluster supported by the pro-
9 posed activity, including a description of—

10 “(i) whether the regional innovation
11 cluster is supported by the private sector,
12 State and local governments, and other rel-
13 evant stakeholders;

14 “(ii) how the existing participants in
15 the regional innovation cluster will encour-
16 age and solicit participation by all types of
17 entities that might benefit from participa-
18 tion, including newly formed entities and
19 those rival existing participants;

20 “(iii) the extent to which the regional
21 innovation cluster is likely to stimulate in-
22 novation and have a positive impact on re-
23 gional economic growth and development;

1 “(iv) whether the participants in the
2 regional innovation cluster have access to,
3 or contribute to, a well-trained workforce;

4 “(v) whether the participants in the
5 regional innovation cluster are capable of
6 attracting additional funds from non-Fed-
7 eral sources; and

8 “(vi) the likelihood that the partici-
9 pants in the regional innovation cluster will
10 be able to sustain activities once grant
11 funds under this subsection have been ex-
12 pended.

13 “(C) SPECIAL CONSIDERATION.—The Sec-
14 retary shall give special consideration to appli-
15 cations from regions that contain communities
16 negatively impacted by trade.

17 “(5) SPECIAL CONSIDERATION.—The Secretary
18 shall give special consideration to an eligible recipi-
19 ent who agrees to collaborate with local workforce
20 investment area boards.

21 “(6) COST SHARE.—The Secretary may not
22 provide more than 50 percent of the total cost of
23 any activity funded under this subsection.

24 “(7) OUTREACH TO RURAL COMMUNITIES.—
25 The Secretary shall conduct outreach to public and

1 private sector entities in rural communities to en-
2 courage those entities to participate in regional inno-
3 vation cluster activities under this subsection.

4 “(8) FUNDING.—The Secretary may accept
5 funds from other Federal agencies to support grants
6 and activities under this subsection.

7 “(c) REGIONAL INNOVATION RESEARCH AND INFOR-
8 MATION PROGRAM.—

9 “(1) IN GENERAL.—As part of the program es-
10 tablished under subsection (a), the Secretary shall
11 establish a regional innovation research and infor-
12 mation program—

13 “(A) to gather, analyze, and disseminate
14 information on best practices for regional inno-
15 vation strategies (including regional innovation
16 clusters), including information relating to how
17 innovation, productivity, and economic develop-
18 ment can be maximized through such strategies;

19 “(B) to provide technical assistance, in-
20 cluding through the development of technical
21 assistance guides, for the development and im-
22 plementation of regional innovation strategies
23 (including regional innovation clusters);

24 “(C) to support the development of rel-
25 evant metrics and measurement standards to

1 evaluate regional innovation strategies (includ-
2 ing regional innovation clusters), including the
3 extent to which such strategies stimulate inno-
4 vation, productivity, and economic development;
5 and

6 “(D) to collect and make available data on
7 regional innovation cluster activity in the
8 United States, including data on—

9 “(i) the size, specialization, and com-
10 petitiveness of regional innovation clusters;

11 “(ii) the regional domestic product
12 contribution, total jobs and earnings by
13 key occupations, establishment size, nature
14 of specialization, patents, Federal research
15 and development spending, and other rel-
16 evant information for regional innovation
17 clusters; and

18 “(iii) supply chain product and service
19 flows within and between regional innova-
20 tion clusters.

21 “(2) RESEARCH GRANTS.—The Secretary may
22 award research grants on a competitive basis to sup-
23 port and further the goals of the program estab-
24 lished under this subsection.

1 “(3) DISSEMINATION OF INFORMATION.—Data
2 and analysis compiled by the Secretary under the
3 program established in this subsection shall be made
4 available to other Federal agencies, State and local
5 governments, and nonprofit and for-profit entities.

6 “(4) REGIONAL INNOVATION GRANT PRO-
7 GRAM.—The Secretary shall incorporate data and
8 analysis relating to any grant under subsection (b)
9 into the program established under this subsection.

10 “(d) INTERAGENCY COORDINATION.—

11 “(1) IN GENERAL.—To the maximum extent
12 practicable, the Secretary shall ensure that the ac-
13 tivities carried out under this section are coordinated
14 with, and do not duplicate the efforts of, other pro-
15 grams at the Department of Commerce or other
16 Federal agencies.

17 “(2) COLLABORATION.—

18 “(A) IN GENERAL.—The Secretary shall
19 explore and pursue collaboration with other
20 Federal agencies, including through multi-
21 agency funding opportunities, on regional inno-
22 vation strategies.

23 “(B) SMALL BUSINESSES.—The Secretary
24 shall ensure that such collaboration with Fed-

1 eral agencies prioritizes the needs and chal-
2 lenges of small businesses.

3 “(e) EVALUATION.—

4 “(1) IN GENERAL.—Not later than 3 years
5 after the date of enactment of the Revitalize Amer-
6 ican Manufacturing and Innovation Act of 2014, the
7 Secretary shall enter into a contract with an inde-
8 pendent entity, such as the National Academy of
9 Sciences, to conduct an evaluation of the program
10 established under subsection (a).

11 “(2) REQUIREMENTS.—The evaluation shall in-
12 clude—

13 “(A) whether the program is achieving its
14 goals;

15 “(B) any recommendations for how the
16 program may be improved; and

17 “(C) a recommendation as to whether the
18 program should be continued or terminated.

19 “(f) DEFINITIONS.—In this section:

20 “(1) REGIONAL INNOVATION CLUSTER.—The
21 term ‘regional innovation cluster’ means a geo-
22 graphically bounded network of similar, synergistic,
23 or complementary entities that—

24 “(A) are engaged in or with a particular
25 industry sector and its related sectors;

1 “(B) have active channels for business
2 transactions and communication;

3 “(C) share specialized infrastructure, labor
4 markets, and services; and

5 “(D) leverage the region’s unique competi-
6 tive strengths to stimulate innovation and cre-
7 ate jobs.

8 “(2) STATE.—The term ‘State’ means one of
9 the several States, the District of Columbia, the
10 Commonwealth of Puerto Rico, the Virgin Islands,
11 Guam, American Samoa, the Commonwealth of the
12 Northern Mariana Islands, or any other territory or
13 possession of the United States.

14 “(g) FUNDING.—

15 “(1) GENERAL RULE.—Except as provided in
16 paragraph (2), no funds are authorized to be appro-
17 priated by the Revitalize American Manufacturing
18 and Innovation Act of 2014 for carrying out this
19 section.

20 “(2) AUTHORITY.—To the extent provided for
21 in advance by appropriations Acts, the Secretary
22 may use not to exceed \$10,000,000 for each of the
23 fiscal years 2015 through 2019 to carry out this sec-
24 tion from amounts appropriated for economic devel-
25 opment assistance programs.”.