

**AMENDMENT IN THE NATURE OF A SUBSTITUTE  
TO H.R. 2996  
OFFERED BY MR. SMITH OF TEXAS AND MR.  
KENNEDY OF MASSACHUSETTS**

Strike all after the enacting clause and insert the following:

**1 SECTION 1. SHORT TITLE.**

2 This Act may be cited as the “Revitalize American  
3 Manufacturing and Innovation Act of 2014”.

**4 SEC. 2. FINDINGS.**

5 Congress finds the following:

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

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

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

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

5           (5) Taken alone, manufacturing in the United  
6           States would be the 8th largest economy in the  
7           world.

8           (6) Manufacturers in the United States perform  
9           two-thirds of all private-sector research and develop-  
10          ment in the United States, driving more innovation  
11          than any other sector.

12 **SEC. 3. ESTABLISHMENT OF NETWORK FOR MANUFAC-**  
13 **TURING INNOVATION.**

14          (a) IN GENERAL.—The National Institute of Stand-  
15          ards and Technology Act (15 U.S.C. 271 et seq.) is  
16          amended—

17                 (1) by redesignating section 34 as section 35;  
18          and

19                 (2) by inserting after section 33 (15 U.S.C.  
20          278r) the following:

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

22          “(a) ESTABLISHMENT OF NETWORK FOR MANUFAC-  
23          TURING INNOVATION PROGRAM.—

24                 “(1) IN GENERAL.—The Secretary shall estab-  
25          lish within the Institute a program to be known as

1 the ‘Network for Manufacturing Innovation Pro-  
2 gram’ (referred to in this section as the ‘Program’).

3 “(2) PURPOSES OF PROGRAM.—The purposes of  
4 the Program are—

5 “(A) to improve the competitiveness of  
6 United States manufacturing and to increase  
7 domestic production;

8 “(B) to stimulate United States leadership  
9 in advanced manufacturing research, innova-  
10 tion, and technology;

11 “(C) to facilitate the transition of innova-  
12 tive technologies into scalable, cost-effective,  
13 and high-performing manufacturing capabili-  
14 ties;

15 “(D) to facilitate access by manufacturing  
16 enterprises to capital-intensive infrastructure,  
17 including high-performance electronics and  
18 computing, and the supply chains that enable  
19 these technologies;

20 “(E) to accelerate the development of an  
21 advanced manufacturing workforce;

22 “(F) to facilitate peer exchange of and the  
23 documentation of best practices in addressing  
24 advanced manufacturing challenges; and

1           “(G) to leverage non-Federal sources of  
2           support to promote a stable and sustainable  
3           business model without the need for long-term  
4           Federal funding.

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

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

10                   “(B) the establishment of centers for man-  
11                   ufacturing innovation.

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

14           “(b) ESTABLISHMENT OF NETWORK FOR MANUFAC-  
15           TURING INNOVATION.—

16                   “(1) IN GENERAL.—As part of the Program,  
17                   the Secretary shall establish a network of centers for  
18                   manufacturing innovation.

19                   “(2) DESIGNATION.—The network established  
20                   under paragraph (1) shall be known as the ‘Network  
21                   for Manufacturing Innovation’ (referred to in this  
22                   section as the ‘Network’).

23           “(c) CENTERS FOR MANUFACTURING INNOVATION.—

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

4                   “(A) has been established by a person or  
5                   group of persons to address challenges in ad-  
6                   vanced manufacturing and to assist manufac-  
7                   turers in retaining or expanding industrial pro-  
8                   duction and jobs in the United States;

9                   “(B) has a predominant focus on a manu-  
10                  facturing process, novel material, enabling tech-  
11                  nology, supply chain integration methodology,  
12                  or another relevant aspect of advanced manu-  
13                  facturing, such as nanotechnology applications,  
14                  advanced ceramics, photonics and optics, com-  
15                  posites, biobased and advanced materials, and  
16                  tool development for microelectronics;

17                  “(C) as determined by the Secretary, has  
18                  the potential—

19                          “(i) to improve the competitiveness of  
20                          United States manufacturing, including  
21                          key advanced manufacturing technologies  
22                          such as nanotechnology, advanced ceram-  
23                          ics, photonics and optics, composites,  
24                          biobased and advanced materials, and tool  
25                          development for microelectronics;

1                   “(ii) to accelerate non-Federal invest-  
2                   ment in advanced manufacturing produc-  
3                   tion capacity in the United States; or

4                   “(iii) to enable the commercial appli-  
5                   cation of new technologies or industry-wide  
6                   manufacturing processes; and

7                   “(D) includes active participation among  
8                   representatives from multiple industrial entities,  
9                   research universities, community colleges, and  
10                  such other entities as the Secretary considers  
11                  appropriate, which may include industry-led  
12                  consortia, career and technical education  
13                  schools, Federal laboratories, State, local, and  
14                  tribal governments, businesses, educational in-  
15                  stitutions, and nonprofit organizations.

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

18                  “(A) Research, development, and dem-  
19                  onstration projects, including proof-of-concept  
20                  development and prototyping, to reduce the  
21                  cost, time, and risk of commercializing new  
22                  technologies and improvements in existing tech-  
23                  nologies, processes, products, and research and  
24                  development of materials to solve precompetitive

1 industrial problems with economic or national  
2 security implications.

3 “(B) Development and implementation of  
4 education, training, and workforce recruitment  
5 courses, materials, and programs.

6 “(C) Development of innovative methodolo-  
7 gies and practices for supply chain integration  
8 and introduction of new technologies into sup-  
9 ply chains.

10 “(D) Outreach and engagement with small  
11 and medium-sized manufacturing enterprises, in  
12 addition to large manufacturing enterprises.

13 “(E) Such other activities as the Sec-  
14 retary, in consultation with Federal depart-  
15 ments and agencies whose missions contribute  
16 to or are affected by advanced manufacturing,  
17 considers consistent with the purposes described  
18 in subsection (a)(2).

19 “(3) ADDITIONAL CENTERS FOR MANUFAC-  
20 TURING INNOVATION.—

21 “(A) IN GENERAL.—The National Additive  
22 Manufacturing Innovation Institute and other  
23 manufacturing centers formally recognized as  
24 manufacturing innovation centers pursuant to  
25 Federal law or executive actions, or under pend-

1           ing interagency review for such recognition as  
2           of the date of enactment of the Revitalize  
3           American Manufacturing and Innovation Act of  
4           2014, shall be considered centers for manufac-  
5           turing innovation, but such centers shall not re-  
6           ceive any financial assistance under subsection  
7           (d).

8                   “(B) NETWORK PARTICIPATION.—A manu-  
9           facturing center that is substantially similar to  
10          those established under this subsection but that  
11          does not receive financial assistance under sub-  
12          section (d) may, upon request of the center, be  
13          recognized as a center for manufacturing inno-  
14          vation by the Secretary for purposes of partici-  
15          pation in the Network.

16          “(d) FINANCIAL ASSISTANCE TO ESTABLISH AND  
17          SUPPORT CENTERS FOR MANUFACTURING INNOVA-  
18          TION.—

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

24                   “(2) APPLICATION.—A person or group of per-  
25          sons seeking financial assistance under paragraph

1 (1) shall submit to the Secretary an application  
2 therefor at such time, in such manner, and con-  
3 taining such information as the Secretary may re-  
4 quire. The application shall, at a minimum, describe  
5 the specific sources and amounts of non-Federal fi-  
6 nancial support for the center on the date financial  
7 assistance is sought, as well as the anticipated  
8 sources and amounts of non-Federal financial sup-  
9 port during the period for which the center could be  
10 eligible for continued Federal financial assistance  
11 under this section.

12 “(3) OPEN PROCESS.—In soliciting applications  
13 for financial assistance under paragraph (1), the  
14 Secretary shall ensure an open process that will  
15 allow for the consideration of all applications rel-  
16 evant to advanced manufacturing regardless of tech-  
17 nology area.

18 “(4) SELECTION.—

19 “(A) COMPETITIVE, MERIT REVIEW.—In  
20 awarding financial assistance under paragraph  
21 (1), the Secretary shall use a competitive, merit  
22 review process that includes peer review by a di-  
23 verse group of individuals with relevant exper-  
24 tise from both the private and public sectors.

25 “(B) PARTICIPATION IN PROCESS.—

1           “(i) IN GENERAL.—No political ap-  
2           pointee may participate on a peer review  
3           panel. The Secretary shall implement a  
4           conflict of interest policy that ensures pub-  
5           lic transparency and accountability, and re-  
6           quires full disclosure of any real or poten-  
7           tial conflicts of interest on the parts of in-  
8           dividuals that participate in the merit se-  
9           lection process.

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

13                   “(I) is employed in a position de-  
14                   scribed under sections 5312 through  
15                   5316 of title 5, United States Code,  
16                   (relating to the Executive Schedule);

17                   “(II) is a limited term appointee,  
18                   limited emergency appointee, or non-  
19                   career appointee in the Senior Execu-  
20                   tive Service, as defined under para-  
21                   graphs (5), (6), and (7), respectively,  
22                   of section 3132(a) of title 5, United  
23                   States Code; or

24                   “(III) is employed in a position  
25                   in the executive branch of the Govern-

1                   ment of a confidential or policy-deter-  
2                   mining character under schedule C of  
3                   subpart C of part 213 of title 5 of the  
4                   Code of Federal Regulations.

5                   “(C)    PERFORMANCE    MEASUREMENT,  
6                   TRANSPARENCY, AND ACCOUNTABILITY.—For  
7                   each award of financial assistance under para-  
8                   graph (1), the Secretary shall—

9                   “(i) make publicly available at the  
10                  time of the award a description of the  
11                  bases for the award, including an expla-  
12                  nation of the relative merits of the winning  
13                  applicant as compared to other applica-  
14                  tions received, if applicable; and

15                  “(ii) develop and implement metrics-  
16                  based performance measures to assess the  
17                  effectiveness of the activities funded.

18                  “(D) COLLABORATION.—In awarding fi-  
19                  nancial assistance under paragraph (1), the  
20                  Secretary shall, acting through the National  
21                  Program Office established under subsection  
22                  (f)(1), collaborate with Federal departments  
23                  and agencies whose missions contribute to or  
24                  are affected by advanced manufacturing.

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

6           “(i) The potential of the center for  
7 manufacturing innovation to advance do-  
8 mestic manufacturing and the likelihood of  
9 economic impact in the predominant focus  
10 areas of the center for manufacturing in-  
11 novation.

12           “(ii) The commitment of continued fi-  
13 nancial support, advice, participation, and  
14 other contributions from non-Federal  
15 sources, to provide leverage and resources  
16 to promote a stable and sustainable busi-  
17 ness model without the need for long-term  
18 Federal funding.

19           “(iii) Whether the financial support  
20 provided to the center for manufacturing  
21 innovation from non-Federal sources sig-  
22 nificantly exceeds the requested Federal fi-  
23 nancial assistance.

24           “(iv) How the center for manufac-  
25 turing innovation will increase the non-

1 Federal investment in advanced manufac-  
2 turing research in the United States.

3 “(v) How the center for manufac-  
4 turing innovation will engage with small  
5 and medium-sized manufacturing enter-  
6 prises, to improve the capacity of such en-  
7 terprises to commercialize new processes  
8 and technologies.

9 “(vi) How the center for manufac-  
10 turing innovation will carry out educational  
11 and workforce activities that meet indus-  
12 trial needs related to the predominant  
13 focus areas of the center.

14 “(vii) How the center for manufac-  
15 turing innovation will advance economic  
16 competitiveness and generate substantial  
17 benefits to the Nation that extend beyond  
18 the direct return to participants in the  
19 Program.

20 “(viii) Whether the predominant focus  
21 of the center for manufacturing innovation  
22 is a manufacturing process, novel material,  
23 enabling technology, supply chain integra-  
24 tion methodology, or other relevant aspect  
25 of advanced manufacturing that has not

1           already been commercialized, marketed,  
2           distributed, or sold by another entity.

3                   “(ix) How the center for manufac-  
4           turing innovation will strengthen and lever-  
5           age the assets of a region.

6           “(5) LIMITATIONS ON AWARDS.—

7                   “(A) IN GENERAL.—No award of financial  
8           assistance may be made under paragraph (1) to  
9           a center of manufacturing innovation after the  
10          7-year period beginning on the date on which  
11          the Secretary first awards financial assistance  
12          to that center under that paragraph.

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

1           “(C) FUNDING DECREASE.—The amount  
2           of financial assistance provided to a center of  
3           manufacturing innovation under paragraph (1)  
4           shall decrease after the second year of funding  
5           for the center, and shall continue to decrease  
6           thereafter in each year in which financial assist-  
7           ance is provided, unless the Secretary deter-  
8           mines that—

9                   “(i) the center is otherwise meeting  
10                  its stated goals and metrics under this sec-  
11                  tion;

12                   “(ii) unforeseen circumstances have  
13                  altered the center’s anticipated funding;  
14                  and

15                   “(iii) the center can identify future  
16                  non-Federal funding sources that would  
17                  warrant a temporary exemption from the  
18                  limitations established in this subpara-  
19                  graph.

20           “(e) FUNDING.—

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

1           “(2) AUTHORITY.—

2                   “(A) NIST INDUSTRIAL TECHNICAL SERV-  
3           ICES ACCOUNT.—The Secretary may use not to  
4           exceed \$5,000,000 for each of the fiscal years  
5           2015 through 2024 to carry out this section  
6           from amounts appropriated to the Institute for  
7           Industrial Technical Services.

8                   “(B) ENERGY EFFICIENCY AND RENEW-  
9           ABLE ENERGY ACCOUNT.—The Secretary of  
10          Energy may transfer to the Institute not to ex-  
11          ceed \$250,000,000 for the period encompassing  
12          fiscal years 2015 through 2024 for the Sec-  
13          retary to carry out this section from amounts  
14          appropriated for advanced manufacturing re-  
15          search and development within the Energy Effi-  
16          ciency and Renewable Energy account for the  
17          Department of Energy.

18          “(f) NATIONAL PROGRAM OFFICE.—

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

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

3                   “(A) to oversee the planning, management,  
4                   and coordination of the Program;

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

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

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

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

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

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

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

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

22                   “(6) DETAILEES.—Any Federal Government  
23 employee may be detailed to the National Program  
24 Office without reimbursement. Such detail shall be

1 without interruption or loss of civil service status or  
2 privilege.

3 “(g) REPORTING AND AUDITING.—

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

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

12 “(B) ELEMENTS.—Each report submitted  
13 under subparagraph (A) shall include—

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

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

23 “(I) its goals, plans, financial  
24 support, and accomplishments; and

1                   “(II) how the center for manu-  
2                   facturing innovation has furthered the  
3                   purposes described in subsection  
4                   (a)(2).

5                   “(2) ANNUAL REPORTS TO CONGRESS.—

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

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

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

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

22                         “(iii) an assessment of the participa-  
23                         tion in, and contributions to, the Network  
24                         by any centers for manufacturing innova-

1                   tion not receiving financial assistance  
2                   under subsection (d)(1); and

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

6                   “(3) ASSESSMENTS BY GAO.—

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

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

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

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

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

1                   “(iii) such recommendations for legis-  
2                   lative and administrative action as the  
3                   Comptroller General considers appropriate  
4                   to improve the Program; and

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

9                   “(h) ADDITIONAL AUTHORITIES.—

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

18                   “(2) TRANSFER OF FUNDS.—The Secretary  
19                   may transfer to other Federal agencies such sums as  
20                   the Secretary considers necessary or appropriate to  
21                   carry out the Program. No funds so transferred may  
22                   be used to reimburse or otherwise pay for the costs  
23                   of financial assistance incurred or commitments of  
24                   financial assistance made prior to the date of enact-

1       ment of the Revitalize American Manufacturing and  
2       Innovation Act of 2014.

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

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

15          “(5) ACCEPTANCE OF RESOURCES.—In addition  
16       to amounts appropriated to carry out the Program,  
17       the Secretary may accept funds, services, equipment,  
18       personnel, and facilities from any covered entity to  
19       carry out the Program, subject to the same condi-  
20       tions and constraints otherwise applicable to the  
21       Secretary under this section.

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; and

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

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

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

1 developed in accordance with the procedures set  
2 forth under this subsection.

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

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

18 **SEC. 5. REGIONAL INNOVATION PROGRAM.**

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

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

23 “(a) ESTABLISHMENT.—The Secretary shall estab-  
24 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.—The Secretary may use not  
21                 to exceed \$10,000,000 for each of the fiscal years  
22                 2015 through 2019 to carry out this section from  
23                 amounts appropriated for economic development as-  
24                 sistance programs.”.

