

113<sup>TH</sup> CONGRESS  
2<sup>D</sup> SESSION

# H. R. 2996

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## AN ACT

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,*

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.

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

21 (5) Taken alone, manufacturing in the United  
22 States would be the 8th largest economy in the  
23 world.

24 (6) Manufacturers in the United States perform  
25 two-thirds of all private-sector research and develop-

1       ment in the United States, driving more innovation  
2       than any other sector.

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

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

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

8       and

9           (2) by inserting after section 33 (15 U.S.C.  
10       278r) the following:

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

12       “(a) ESTABLISHMENT OF NETWORK FOR MANUFAC-  
13 TURING INNOVATION PROGRAM.—

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

18           “(2) PURPOSES OF PROGRAM.—The purposes of  
19       the Program are—

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

1           “(B) to stimulate United States leadership  
2           in advanced manufacturing research, innova-  
3           tion, and technology;

4           “(C) to facilitate the transition of innova-  
5           tive technologies into scalable, cost-effective,  
6           and high-performing manufacturing capabili-  
7           ties;

8           “(D) to facilitate access by manufacturing  
9           enterprises to capital-intensive infrastructure,  
10          including high-performance electronics and  
11          computing, and the supply chains that enable  
12          these technologies;

13          “(E) to accelerate the development of an  
14          advanced manufacturing workforce;

15          “(F) to facilitate peer exchange of and the  
16          documentation of best practices in addressing  
17          advanced manufacturing challenges;

18          “(G) to leverage non-Federal sources of  
19          support to promote a stable and sustainable  
20          business model without the need for long-term  
21          Federal funding; and

22          “(H) to create and preserve jobs.

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

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

3           “(B) the establishment of centers for man-  
4           ufacturing innovation.

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

7           “(b) ESTABLISHMENT OF NETWORK FOR MANUFAC-  
8           TURING INNOVATION.—

9           “(1) IN GENERAL.—As part of the Program,  
10          the Secretary shall establish a network of centers for  
11          manufacturing innovation.

12          “(2) DESIGNATION.—The network established  
13          under paragraph (1) shall be known as the ‘Network  
14          for Manufacturing Innovation’ (referred to in this  
15          section as the ‘Network’).

16          “(c) CENTERS FOR MANUFACTURING INNOVATION.—

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

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

1           “(B) has a predominant focus on a manu-  
2           facturing process, novel material, enabling tech-  
3           nology, supply chain integration methodology,  
4           or another relevant aspect of advanced manu-  
5           facturing, such as nanotechnology applications,  
6           advanced ceramics, photonics and optics, com-  
7           posites, biobased and advanced materials, flexi-  
8           ble hybrid technologies, and tool development  
9           for microelectronics;

10           “(C) as determined by the Secretary, has  
11           the potential—

12                   “(i) to improve the competitiveness of  
13           United States manufacturing, including  
14           key advanced manufacturing technologies  
15           such as nanotechnology, advanced ceram-  
16           ics, photonics and optics, composites,  
17           biobased and advanced materials, flexible  
18           hybrid technologies, and tool development  
19           for microelectronics;

20                   “(ii) to accelerate non-Federal invest-  
21           ment in advanced manufacturing produc-  
22           tion capacity in the United States; or

23                   “(iii) to enable the commercial appli-  
24           cation of new technologies or industry-wide  
25           manufacturing processes; and

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

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

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

21                   “(B) Development and implementation of  
22                   education, training, and workforce recruitment  
23                   courses, materials, and programs.

24                   “(C) Development of innovative methodolo-  
25                   gies and practices for supply chain integration

1 and introduction of new technologies into sup-  
2 ply chains.

3 “(D) Outreach and engagement with small  
4 and medium-sized manufacturing enterprises,  
5 including women and minority owned manufac-  
6 turing enterprises, in addition to large manu-  
7 facturing enterprises.

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

14 “(3) ADDITIONAL CENTERS FOR MANUFAC-  
15 TURING INNOVATION.—

16 “(A) IN GENERAL.—The National Additive  
17 Manufacturing Innovation Institute and other  
18 manufacturing centers formally recognized as  
19 manufacturing innovation centers pursuant to  
20 Federal law or executive actions, or under pend-  
21 ing interagency review for such recognition as  
22 of the date of enactment of the Revitalize  
23 American Manufacturing and Innovation Act of  
24 2014, shall be considered centers for manufac-  
25 turing innovation, but such centers shall not re-



1           ceive any financial assistance under subsection  
2           (d).

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

11          “(d) FINANCIAL ASSISTANCE TO ESTABLISH AND  
12          SUPPORT CENTERS FOR MANUFACTURING INNOVA-  
13          TION.—

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

19                   “(2) APPLICATION.—A person or group of per-  
20          sons seeking financial assistance under paragraph  
21          (1) shall submit to the Secretary an application  
22          therefor at such time, in such manner, and con-  
23          taining such information as the Secretary may re-  
24          quire. The application shall, at a minimum, describe  
25          the specific sources and amounts of non-Federal fi-

1 nancial support for the center on the date financial  
2 assistance is sought, as well as the anticipated  
3 sources and amounts of non-Federal financial sup-  
4 port during the period for which the center could be  
5 eligible for continued Federal financial assistance  
6 under this section.

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

13 “(4) SELECTION.—

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

20 “(B) PARTICIPATION IN PROCESS.—

21 “(i) IN GENERAL.—No political ap-  
22 pointee may participate on a peer review  
23 panel. The Secretary shall implement a  
24 conflict of interest policy that ensures pub-  
25 lic transparency and accountability, and re-

1           quires full disclosure of any real or poten-  
2           tial conflicts of interest on the parts of in-  
3           dividuals that participate in the merit se-  
4           lection process.

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

8                   “(I) is employed in a position de-  
9                   scribed under sections 5312 through  
10                  5316 of title 5, United States Code,  
11                  (relating to the Executive Schedule);

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

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

1           “(C) PERFORMANCE MEASUREMENT,  
2           TRANSPARENCY, AND ACCOUNTABILITY.—For  
3           each award of financial assistance under para-  
4           graph (1), the Secretary shall—

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

11                   “(ii) develop and implement metrics-  
12                   based performance measures to assess the  
13                   effectiveness of the activities funded.

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

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

1           “(i) The potential of the center for  
2           manufacturing innovation to advance do-  
3           mestic manufacturing and the likelihood of  
4           economic impact, including the creation or  
5           preservation of jobs, in the predominant  
6           focus areas of the center for manufac-  
7           turing innovation.

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

15          “(iii) Whether the financial support  
16          provided to the center for manufacturing  
17          innovation from non-Federal sources sig-  
18          nificantly exceeds the requested Federal fi-  
19          nancial assistance.

20          “(iv) How the center for manufac-  
21          turing innovation will increase the non-  
22          Federal investment in advanced manufac-  
23          turing research in the United States.

24          “(v) How the center for manufac-  
25          turing innovation will engage with small

1 and medium-sized manufacturing enter-  
2 prises, to improve the capacity of such en-  
3 terprises to commercialize new processes  
4 and technologies.

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

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

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

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

4           “(x) How the center for manufac-  
5           turing will encourage the education and  
6           training of veterans and individuals with  
7           disabilities.

8           “(5) LIMITATIONS ON AWARDS.—

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

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

1           cants seeking less than the maximum Federal  
2           share of funds allowed under this paragraph.

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

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

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

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

22          “(e) FUNDING.—

23                   “(1) GENERAL RULE.—Except as provided in  
24                   paragraph (2), no funds are authorized to be appro-  
25                   priated by the Revitalize American Manufacturing



1 and Innovation Act of 2014 for carrying out this  
2 section.

3 “(2) AUTHORITY.—

4 “(A) NIST INDUSTRIAL TECHNICAL SERV-  
5 ICES ACCOUNT.—To the extent provided for in  
6 advance by appropriations Acts, the Secretary  
7 may use not to exceed \$5,000,000 for each of  
8 the fiscal years 2015 through 2024 to carry out  
9 this section from amounts appropriated to the  
10 Institute for Industrial Technical Services.

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

22 “(f) NATIONAL PROGRAM OFFICE.—

23 “(1) ESTABLISHMENT.—The Secretary shall es-  
24 tablish, within the Institute, the National Office of  
25 the Network for Manufacturing Innovation Program

1 (referred to in this section as the ‘National Program  
2 Office’), which shall oversee and carry out the Pro-  
3 gram.

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

6 “(A) to oversee the planning, management,  
7 and coordination of the Program;

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

13 “(C) to develop, not later than 1 year after  
14 the date of enactment of the Revitalize Amer-  
15 ican Manufacturing and Innovation Act of  
16 2014, and update not less frequently than once  
17 every 3 years thereafter, a strategic plan to  
18 guide the Program;

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

1           “(E) to establish a clearinghouse of public  
2           information related to the activities of the Pro-  
3           gram; and

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

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

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

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

1           “(6) DETAILEES.—Any Federal Government  
2 employee may be detailed to the National Program  
3 Office without reimbursement. Such detail shall be  
4 without interruption or loss of civil service status or  
5 privilege.

6           “(g) REPORTING AND AUDITING.—

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

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

15           “(B) ELEMENTS.—Each report submitted  
16 under subparagraph (A) shall include—

17           “(i) an accounting of expenditures of  
18 amounts awarded to the recipient under  
19 subsection (d)(1); and

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

1                   “(I) its goals, plans, financial  
2                   support, and accomplishments; and

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

7                   “(2) ANNUAL REPORTS TO CONGRESS.—

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

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

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

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

24                         “(iii) an assessment of the participa-  
25                         tion in, and contributions to, the Network

1 by any centers for manufacturing innova-  
2 tion not receiving financial assistance  
3 under subsection (d)(1); and

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

7 “(3) ASSESSMENTS BY GAO.—

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

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

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

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

23 “(ii) an assessment of the extent to  
24 which the Program has furthered the pur-  
25 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.—Of amounts avail-  
19                   able under the authority provided by subsection (e),  
20                   the Secretary may transfer to other Federal agencies  
21                   such sums as the Secretary considers necessary or  
22                   appropriate to carry out the Program. No funds so  
23                   transferred may be used to reimburse or otherwise  
24                   pay for the costs of financial assistance incurred or  
25                   commitments of financial assistance made prior to

1 the date of enactment of the Revitalize American  
2 Manufacturing and 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 and such funds may  
22 only be obligated to the extent provided for in ad-  
23 vance by appropriations Acts.

24 “(6) COVERED ENTITY.—For purposes of this  
25 subsection, a covered entity is any Federal depart-



1 ment, Federal agency, instrumentality of the United  
2 States, State, local government, tribal government,  
3 territory, or possession of the United States, or of  
4 any political subdivision thereof, or international or-  
5 ganization, or any public or private entity or indi-  
6 vidual.

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

11 **SEC. 4. NATIONAL STRATEGIC PLAN FOR ADVANCED MANU-  
12 FACTURING.**

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

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

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

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

24 (3) by striking subsection (c) and inserting the  
25 following:

1       “(c) NATIONAL STRATEGIC PLAN FOR ADVANCED  
2 MANUFACTURING.—

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

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

15           “(3) CONTENTS.—The strategic plan described  
16 in paragraph (2) shall—

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

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

1           “(C) specify the role, including the pro-  
2           grams and activities, of each relevant Federal  
3           agency in meeting the objectives of the strategic  
4           plan;

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

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

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

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

1 “(i) technology transfer and commer-  
2 cialization activities;

3 “(ii) the adequacy of the national se-  
4 curity industrial base;

5 “(iii) the capabilities of the domestic  
6 manufacturing workforce;

7 “(iv) export opportunities and trade  
8 policies;

9 “(v) financing, investment, and tax-  
10 ation policies and practices;

11 “(vi) emerging technologies and mar-  
12 kets;

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

16 “(viii) the capabilities of the manufac-  
17 turing workforce of competing nations; and

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

23 “(4) UPDATES.—Not later than May 1, 2018,  
24 and not less frequently than once every 4 years  
25 thereafter, the President shall submit to Congress,

1 and publish on an Internet website that is accessible  
2 to the public, an update of the strategic plan sub-  
3 mitted under paragraph (1). Such updates shall be  
4 developed in accordance with the procedures set  
5 forth under this subsection.

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

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

21 **SEC. 5. REGIONAL INNOVATION PROGRAM.**

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

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

2       “(a) ESTABLISHMENT.—The Secretary shall estab-  
3 lish a regional innovation program to encourage and sup-  
4 port the development of regional innovation strategies, in-  
5 cluding regional innovation clusters.

6       “(b) CLUSTER GRANTS.—

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

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

16           “(A) Feasibility studies.

17           “(B) Planning activities.

18           “(C) Technical assistance.

19           “(D) Developing or strengthening commu-  
20 nication and collaboration between and among  
21 participants of a regional innovation cluster.

22           “(E) Attracting additional participants to  
23 a regional innovation cluster.

24           “(F) Facilitating market development of  
25 products and services developed by a regional  
26 innovation cluster, including through dem-

1           onstration, deployment, technology transfer,  
2           and commercialization activities.

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

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

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

11                   “(A) a State;

12                   “(B) an Indian tribe;

13                   “(C) a city or other political subdivision of  
14          a State;

15                   “(D) an entity that—

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

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

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

3           “(4) APPLICATION.—

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

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

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

17           “(ii) how the existing participants in  
18 the regional innovation cluster will encour-  
19 age and solicit participation by all types of  
20 entities that might benefit from partici-  
21 pation, including newly formed entities and  
22 those rival existing participants;

23           “(iii) the extent to which the regional  
24 innovation cluster is likely to stimulate in-



1           novation and have a positive impact on re-  
2           gional economic growth and development;

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

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

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

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

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

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

1           “(7) OUTREACH TO RURAL COMMUNITIES.—  
2           The Secretary shall conduct outreach to public and  
3           private sector entities in rural communities to en-  
4           courage those entities to participate in regional inno-  
5           vation cluster activities under this subsection.

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

9           “(c) REGIONAL INNOVATION RESEARCH AND INFOR-  
10          MATION PROGRAM.—

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

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

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

1           “(C) to support the development of rel-  
2           evant metrics and measurement standards to  
3           evaluate regional innovation strategies (includ-  
4           ing regional innovation clusters), including the  
5           extent to which such strategies stimulate inno-  
6           vation, productivity, and economic development;  
7           and

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

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

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

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

23           “(2) RESEARCH GRANTS.—The Secretary may  
24          award research grants on a competitive basis to sup-

1 port and further the goals of the program estab-  
2 lished under this subsection.

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

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

12 “(d) INTERAGENCY COORDINATION.—

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

19 “(2) COLLABORATION.—

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

1           “(B) SMALL BUSINESSES.—The Secretary  
2           shall ensure that such collaboration with Fed-  
3           eral agencies prioritizes the needs and chal-  
4           lenges of small businesses.

5           “(e) EVALUATION.—

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

13          “(2) REQUIREMENTS.—The evaluation shall in-  
14          clude—

15                 “(A) whether the program is achieving its  
16                 goals;

17                 “(B) any recommendations for how the  
18                 program may be improved; and

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

21          “(f) DEFINITIONS.—In this section:

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

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

3           “(B) have active channels for business  
4 transactions and communication;

5           “(C) share specialized infrastructure, labor  
6 markets, and services; and

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

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

16          “(g) 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.—To the extent provided for  
23 in advance by appropriations Acts, the Secretary  
24 may use not to exceed \$10,000,000 for each of the  
25 fiscal years 2015 through 2019 to carry out this sec-

1       tion from amounts appropriated for economic devel-  
2       opment assistance programs.”.

Passed the House of Representatives September 15,  
2014.

Attest:

*Clerk.*

113<sup>TH</sup> CONGRESS  
2<sup>D</sup> SESSION

**H. R. 2996**

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**AN ACT**

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