

Calendar No. 222

119TH CONGRESS }
1st Session

SENATE

{ REPORT
119-91

STREAMLINING AMERICAN
MANUFACTURING STRATEGY ACT

R E P O R T

OF THE

COMMITTEE ON COMMERCE, SCIENCE, AND
TRANSPORTATION

ON

S. 2318



OCTOBER 29, 2025.—Ordered to be printed

U.S. GOVERNMENT PUBLISHING OFFICE

69-010

WASHINGTON : 2025

SENATE COMMITTEE ON COMMERCE, SCIENCE, AND TRANSPORTATION

ONE HUNDRED NINETEENTH CONGRESS

FIRST SESSION

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STREAMLINING AMERICAN MANUFACTURING STRATEGY ACT

OCTOBER 29, 2025.—Ordered to be printed

Mr. CRUZ, from the Committee on Commerce, Science, and
Transportation, submitted the following

R E P O R T

[To accompany S. 2318]

[Including cost estimate of the Congressional Budget Office]

The Committee on Commerce, Science, and Transportation, to which was referred the bill (S. 2318) to amend the National Institute of Standards and Technology Act to require the periodic update to the strategic plan to guide the Manufacturing USA Program to align with the mandatory updates to the National Strategy for Advanced Manufacturing, having considered the same, reports favorably thereon with an amendment in the nature of a substitute and recommends that the bill, as amended, do pass.

PURPOSE OF THE BILL

The purpose of S. 2318 is to amend the Manufacturing USA strategic planning cycle to align with the planning cycle for the National Strategy for Advanced Manufacturing.

BACKGROUND AND NEEDS

The United States is falling behind China in deploying advanced manufacturing technology and training the advanced manufacturing workforce.¹ In 2014, Congress passed the Revitalize Amer-

¹Christopher Ford, Charles Clancy, and Duane Blackburn, MITRE, A “*Horizon Strategy*” Framework for Science and Technology Policy for the U.S. Innovation Economy and America’s Competitive Success, May 2021, <https://www.mitre.org/sites/default/files/2021-11/prs-21-1440-horizon-strategy-framework-science-technology-policy.pdf>.

ican Manufacturing and Innovation Act² to establish the Manufacturing USA program and Manufacturing USA Institutes to improve U.S. leadership in advanced manufacturing research and accelerate development of the advanced manufacturing workforce.³ The Departments of Commerce, Defense, and Energy sponsor the current 17 Manufacturing USA Institutes,⁴ which conduct cutting-edge research and development and provide workforce training in manufacturing. The Department of Commerce, through its Advanced Manufacturing National Program Office headquartered at the National Institute of Standards and Technology (NIST), oversees the Manufacturing USA network.⁵ It convenes Manufacturing USA Institutes, facilitates their collaboration with Federal agencies, and promotes workforce development activities.⁶

In 2025, the Government Accountability Office (GAO) conducted a performance audit to examine key changes to the management, operation, and governance of the Manufacturing USA Program and its institutes since fiscal year 2019; how sponsoring agencies assess the institutes' performance; and the extent to which they have helped achieve national and programmatic advanced manufacturing goals.⁷ The performance audit found that the 3-year strategic planning cycle for the Manufacturing USA program can result in a strategic plan that is not in sync with the higher level National Strategy for Advanced Manufacturing that is required every 4 years.⁸ This bill would implement GAO's recommendation to amend section 34 of the NIST Act⁹ to require the Advanced Manufacturing National Program Office to align the timelines of updating the strategic plan for the Manufacturing USA program along with the National Strategy for Advanced Manufacturing.

SUMMARY OF PROVISIONS

S. 2318 would amend the Manufacturing USA strategic planning cycle to every 4 years and align the planning cycle of Manufacturing USA with the planning cycle for the National Strategy for Advanced Manufacturing.

LEGISLATIVE HISTORY

S. 2318, the Streamlining American Manufacturing Strategy Act, was introduced on July 17, 2025, by Senator Blunt Rochester (for herself and Senator Budd) and was referred to the Committee on Commerce, Science, and Transportation of the Senate. On July 30, 2025, the Committee met in open Executive Session and, by voice vote, ordered S. 2318 reported favorably with an amendment (in the nature of a substitute).

²Public Law 113–235.

³15 U.S.C. 278s(b).

⁴U.S. Government Accountability Office, *Advanced Manufacturing: Aligning Strategies and Improving Agency Reviews Could Help Institutes Achieve National Goals*, GAO–25–107369, June 4, 2025, <https://www.gao.gov/products/gao-25-107369>.

⁵Manufacturing USA, <https://www.manufacturingusa.com/about-us>.

⁶Ibid.

⁷GAO report, *supra*, note 3.

⁸Ibid.

⁹Act of March, 1901, chapter 872 of the 56th Congress; 15 U.S.C. chapter 7.

ESTIMATED COSTS

In accordance with paragraph 11(a) of rule XXVI of the Standing Rules of the Senate and section 403 of the Congressional Budget Act of 1974, the Committee provides the following cost estimate, prepared by the Congressional Budget Office:

S. 2318, Streamlining American Manufacturing Strategy Act			
As ordered reported by the Senate Committee on Commerce, Science, and Transportation on July 30, 2025			
By Fiscal Year, Millions of Dollars	2025	2025-2030	2025-2035
Direct Spending (Outlays)	0	0	0
Revenues	0	0	0
Increase or Decrease (-) in the Deficit	0	0	0
Spending Subject to Appropriation (Outlays)	0	*	not estimated
Increases <i>net direct spending</i> in any of the four consecutive 10-year periods beginning in 2036?	No	Statutory pay-as-you-go procedures apply?	No
		Mandate Effects	
Increases <i>on-budget deficits</i> in any of the four consecutive 10-year periods beginning in 2036?	No	Contains intergovernmental mandate?	No
		Contains private-sector mandate?	No
* = between zero and \$500,000.			

S. 2318 would require the National Institute of Standards and Technology (NIST) to update its strategic plan to guide the Manufacturing USA program every four years to align that report with the release of the National Science and Technology Council's (NSTC's) recurring report on advanced manufacturing. (Under current law, NIST updates its report every three years and the most recent report was published in 2025.)

By aligning the NIST report with the NSTC report, CBO expects that NIST would need to complete two report updates over the 2026–2030 period (in 2026 and 2030) instead of one in 2028.

Based on the costs of similar activities, CBO estimates that the cost for NIST to implement S. 2318 would be insignificant; any related spending would be subject to the availability of appropriated funds.

The CBO staff contact for this estimate is David Hughes. The estimate was reviewed by H. Samuel Papenfuss, Deputy Director of Budget Analysis.

PHILLIP L. SWAGEL,
Director, Congressional Budget Office.

REGULATORY IMPACT STATEMENT

Because S. 2318 does not create any new programs, the legislation will have no additional regulatory impact and will result in no additional reporting requirements. The legislation will have no further effect on the number or types of individuals and businesses regulated, the economic impact of such regulation, the personal privacy of affected individuals, or the paperwork required from such individuals and businesses.

CONGRESSIONALLY DIRECTED SPENDING

In compliance with paragraph 4(b) of rule XLIV of the Standing Rules of the Senate, the Committee provides that no provisions contained in the bill, as reported, meet the definition of congressionally directed spending items under the rule.

SECTION-BY-SECTION ANALYSIS

Section 1. Short title.

This section would provide that the bill may be cited as the “Streamlining American Manufacturing Strategy Act”.

Section 2. Alignment of timing of updates of strategic plan with updates to National Strategy for Advanced Manufacturing.

This section would amend the National Institute of Standards and Technology Act to provide that the strategic plan for Manufacturing USA is updated at least every 4 years, and that the planning cycle for the updates would align with the planning cycle for updates to the National Strategy for Advanced Manufacturing to better ensure the priorities of the national strategy are reflected. This section would also include conforming amendments to update the later statute where it references the strategic plan for Manufacturing USA.

CHANGES IN EXISTING LAW

In compliance with paragraph 12 of rule XXVI of the Standing Rules of the Senate, changes in existing law made by the bill, as reported, are shown as follows (existing law proposed to be omitted is enclosed in black brackets, new material is printed in italic, existing law in which no change is proposed is shown in roman):

NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY ACT

* * * * *

[15 U.S.C. 278s(i)]

SEC. 34. MANUFACTURING USA.

(a) DEFINITIONS.—* * *

(b) * * *

(c) * * *

(d) * * *

(e) * * *

(f) * * *

(g) * * *

(h) * * *

(i) NATIONAL PROGRAM OFFICE.—

(1) ESTABLISHMENT.—The Secretary shall establish, within the Institute, the National Office of the Manufacturing USA Network (referred to in this section as the National Program Office), which shall oversee and carry out the Program.

(2) FUNCTIONS.—The functions of the National Program Office are—

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

(B) to coordinate with and, as appropriate, enter into memorandums of understanding with Federal departments and agencies whose missions contribute to or are affected by advanced manufacturing, including the Department of Agriculture, the Department of Defense, the Department of Education, the Department of Energy, the Department of Labor, the Food and Drug Administration, the National Aeronautics and Space Administration, the National Institutes of Health, and the National Science Foundation, to carry out the purposes set forth under subsection (b)(2);

(C) to develop, not later than December 16, 2015, [and update not less frequently than once every 3 years thereafter,] a strategic plan to guide the Program, including a strategy for retaining domestic public benefits from Manufacturing USA institutes once Federal funding has been discontinued;

(D) to update the strategic plan developed under subparagraph (C) not less frequently than once every 4 years such that the planning cycle for the updates aligns with the planning cycle for updates to the National Strategy for Advanced Manufacturing required under section 102(c)(4) of the America COMPETES Reauthorization Act of 2010 (42 U.S.C. 6622(c)(4)) to better ensure the Program reflects the priorities of the national strategy;

[(D)](E) to establish such procedures, processes, and criteria as may be necessary and appropriate to maximize cooperation and coordinate the activities of the Program with programs and activities of other Federal departments and agencies whose missions contribute to or are affected by advanced manufacturing;

[(E)](F) to establish a clearinghouse of public information related to the activities of the Program;

[(F)](G) to act as a convener of the Network;

[(G)](H) to work with Federal agencies that are not sponsoring or supporting a Manufacturing USA institute to explore and develop options for sponsoring or supporting a Manufacturing USA institute;

[(H)](I) to work with Federal agencies that are sponsoring or supporting a Manufacturing USA institute to develop and implement network-wide performance goals with measurable targets and timelines;

[(I)](J) to help develop pilot programs that may be implemented by the Manufacturing USA institutes to address specific purposes of the Program, including to accelerate technology transfer to the private sector and to develop entrepreneurship programs;

[(J)](K) to provide support services to promote workforce development activities, including the development of industry credentials;

[(K)](L) to identify and disseminate best practices for workforce education and training across the Network and further enhance collaboration among Manufacturing USA institutes in developing and implementing such practices;

[(L)](M) to collaborate with the Department of Labor, the Department of Education, industry, career and technical education schools, local community colleges, universities, and labor organizations to provide input, as appropriate, for the development of national certifications for advanced manufacturing workforce skills in the technology areas of the Manufacturing USA institutes; and

[(M)](N) to coordinate with Manufacturing USA institutes to develop best practices for the membership agreements and coordination of similar project solicitations.

(3) RECOMMENDATIONS.—In developing and updating the strategic plan under [paragraph (2)(C)] *subparagraphs (C) and (D) of paragraph (2)*, the Secretary shall solicit recommendations and advice from a wide range of stakeholders, including industry, small and medium-sized manufacturing enterprises, research universities, community colleges, State, Tribal, and local governments, and other relevant organizations and institutions on an ongoing basis.

(4) REPORT TO CONGRESS.—Upon completion, the Secretary shall transmit the strategic plan required under [paragraph (2)(C)] *subparagraph (C) of paragraph (2) and any update to the plan required under subparagraph (D) of such paragraph* to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Science, Space, and Technology of the House of Representatives.

(5) HOLLINGS MANUFACTURING EXTENSION PARTNERSHIP.—

(A) IN GENERAL.—The Secretary shall ensure that the National Program Office leverages the capabilities of the Hollings Manufacturing Extension Partnership into Program planning to ensure—

(i) significant outreach to, participation of, and engagement of small- and medium-sized manufacturers in Manufacturing USA institutes across the entirety of the manufacturing supply chain; and

(ii) that the results of the Program, including technologies developed by the Program, reach small- and medium-sized manufacturers and that such entities have access to technical assistance, as appropriate, in deploying those technologies.

(B) LIAISONS.—The Secretary may provide financial assistance to a manufacturing extension center established as part of the Hollings Manufacturing Extension Partnership to support the purposes of the Program by providing services in one or more of the following areas:

(i) Support services for small- and medium-sized manufacturers, that many include the designation of a liaison.

(ii) Assistance with workforce development.

(iii) Technology transfer for small and medium-sized manufacturers.

(iv) Such other areas as the Secretary determines appropriate to support the purposes of the Program.

(6) DETAILEES.—Any Federal Government employee may be detailed to the National Program Office without reimburse-

ment. Such detail shall be without interruption or loss of civil service status or privilege.

(7) COUNCIL FOR COORDINATION OF INSTITUTES.—

(A) COUNCIL.—The National Program Office shall establish or designate a council of heads of any Manufacturing USA institute receiving Federal funding at any time to foster collaboration between Manufacturing USA institutes.

(B) MEETINGS.—The council established or designated pursuant to subparagraph (A) shall meet not less frequently than twice each year.

(C) DUTIES OF THE COUNCIL.—The council established pursuant to subparagraph (A) shall assist the National Program Office in carrying out the functions of the National Program Office under paragraph (2).

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