

116TH CONGRESS
1ST SESSION

H. R. 2393

To direct the Secretary of Commerce, acting through the Director of the National Institute of Standards and Technology, to implement certain recommendations relating to overcoming barriers to adoption of composites in sustainable infrastructure.

IN THE HOUSE OF REPRESENTATIVES

APRIL 29, 2019

Mr. WEBSTER of Florida (for himself, Mr. MCNERNEY, Ms. PINGREE, and Mr. POSEY) introduced the following bill; which was referred to the Committee on Science, Space, and Technology

A BILL

To direct the Secretary of Commerce, acting through the Director of the National Institute of Standards and Technology, to implement certain recommendations relating to overcoming barriers to adoption of composites in sustainable infrastructure.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “NIST Creation of
5 Composite Standards Act”.

1 **SEC. 2. COMPOSITES RESEARCH.**

2 (a) RESEARCH.—The Secretary, acting through the
3 Director, shall implement the recommendations contained
4 in the December 2017 report entitled “Road Mapping
5 Workshop Report on Overcoming Barriers to Adoption of
6 Composites in Sustainable Infrastructure”, as appro-
7 priate, to help facilitate the adoption of composite tech-
8 nology in infrastructure in the United States. In imple-
9 menting such recommendations, the Secretary, acting
10 through the Director shall, with respect to the use of com-
11 posite technology in infrastructure—

12 (1) not later than 6 months after the date of
13 enactment of this section, establish a design data
14 clearinghouse to identify, gather, validate, and dis-
15 seminate existing design criteria, tools, guidelines,
16 and standards; and

17 (2) develop methods and resources required for
18 testing an evaluation of safe and appropriate uses of
19 composite materials for infrastructure, including—

20 (A) conditioning protocols, procedures, and
21 models;

22 (B) screening and acceptance tools; and

23 (C) minimum allowable design data sets
24 that can be converted into design tools.

25 (b) STANDARDS COORDINATION.—The Secretary,
26 acting through the Director, shall insure that the appro-

1 p r i a t e staff of the Institute consult regularly with stand-
2 a r d s developers, members of the composites industry, in-
3 s t i t u t i o n s of higher education, and other stakeholders in
4 o r d e r to facilitate the adoption of standards for use of
5 c o m p o s i t e materials in infrastructure that are based on
6 t h e research and testing results and other information de-
7 v e l o p e d by the Institute.

8 (c) FUNDING.—The Secretary shall devote
9 \$11,000,000 to carry out this section for fiscal year 2020,
10 subject to the availability of appropriations. This section
11 shall be carried out using funds otherwise appropriated
12 by law after the date of enactment of this section.

13 (d) DEFINITIONS.—In this section:

14 (1) The term “Director” means the Director of
15 the National Institute of Standards and Technology.

16 (2) The term “Institute” means the National
17 Institute of Standards and Technology.

18 (3) The term “institution of higher education”
19 has the meaning given such term in section 101 of
20 the Higher Education Act of 1965 (20 U.S.C.
21 1001).

22 (4) The term “Secretary” means the Secretary
23 of Commerce.

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