

and Transportation and the House of Representatives Committee on Science and Technology that describes NOAA's strategy for enhancing transformational research in its research and development portfolio to increase United States competitiveness in oceanic and atmospheric science and technology. The report shall—

- (1) define “transformational research”;
- (2) identify emerging and innovative areas of research and development where transformational research has the potential to make significant and revolutionary ⁻¹ advancements in both understanding and U.S. science leadership;
- (3) describe how transformational research priorities are identified and appropriately ⁻¹ balanced in the context of NOAA's broader research portfolio;
- (4) describe NOAA's plan for developing a competitive peer review and priority-setting ⁻¹ process, funding mechanisms, performance and evaluation measures, and transition-to-operation guidelines for transformational research; and
- (5) describe partnerships with other agencies involved in transformational research.

(Pub. L. 110-69, title IV, § 4001, Aug. 9, 2007, 121 Stat. 599; Pub. L. 111-358, title III, § 301, Jan. 4, 2011, 124 Stat. 3996.)

AMENDMENTS

2011—Pub. L. 111-358 designated existing provisions as subsec. (a), inserted heading, and added subsecs. (b) and (c).

CHANGE OF NAME

Committee on Science and Technology of House of Representatives changed to Committee on Science, Space, and Technology of House of Representatives by House Resolution No. 5, One Hundred Twelfth Congress, Jan. 5, 2011.

§ 893a. NOAA ocean and atmospheric science education programs

(a) In general

The Administrator of the National Oceanic and Atmospheric Administration shall conduct, develop, support, promote, and coordinate formal and informal educational activities at all levels to enhance public awareness and understanding of ocean, coastal, Great Lakes, and atmospheric science and stewardship by the general public and other coastal stakeholders, including underrepresented groups in ocean and atmospheric science and policy careers. In conducting those activities, the Administrator shall build upon the educational programs and activities of agency,¹ with consideration given to the goal of promoting the participation of individuals from underrepresented groups in STEM fields and in promoting the acquisition and retention of highly qualified and motivated young scientists to complement and supplement workforce needs.

(b) Educational program goals

The education programs developed by NOAA shall, to the extent applicable—

- (1) carry out and support research based programs and activities designed to increase student interest and participation in STEM;
- (2) improve public literacy in STEM;
- (3) employ proven strategies and methods for improving student learning and teaching in STEM;
- (4) provide curriculum support materials and other resources that—
 - (A) are designed to be integrated with comprehensive STEM education;
 - (B) are aligned with national science education standards; and
 - (C) promote the adoption and implementation of high-quality education practices that build toward college and career-readiness; and
- (5) create and support opportunities for enhanced and ongoing professional development for teachers using best practices that improves the STEM content and knowledge of the teachers, including through programs linking STEM teachers with STEM educators at the higher education level.

(c) NOAA science education plan

The Administrator, appropriate National Oceanic and Atmospheric Administration programs, ocean atmospheric science and education experts, and interested members of the public shall maintain a science education plan setting forth education goals and strategies for the Administration, as well as programmatic actions to carry out such goals and priorities over the next 20 years, and evaluate and update such plan every 5 years.

(d) Construction

Nothing in this section may be construed to affect the application of section 1232a of title 20 or sections 794 and 794d of title 29.

(e) STEM defined

In this section, the term “STEM” means the academic and professional disciplines of science, technology, engineering, and mathematics.

(Pub. L. 110-69, title IV, § 4002, Aug. 9, 2007, 121 Stat. 600; Pub. L. 111-358, title III, § 302, Jan. 4, 2011, 124 Stat. 3997.)

AMENDMENTS

2011—Subsec. (a). Pub. L. 111-358, § 302(1), substituted “agency, with consideration given to the goal of promoting the participation of individuals from underrepresented groups in STEM fields and in promoting the acquisition and retention of highly qualified and motivated young scientists to complement and supplement workforce needs.” for “the agency.”

Subsec. (b). Pub. L. 111-358, § 302(3), added subsec. (b). Former subsec. (b) redesignated (c).

Subsec. (c). Pub. L. 111-358, § 302(4), substituted “maintain” for “develop”.

Pub. L. 111-358, § 302(2), redesignated subsec. (b) as (c). Former subsec. (c) redesignated (d).

Subsec. (d). Pub. L. 111-358, § 302(2), redesignated subsec. (c) as (d).

Subsec. (e). Pub. L. 111-358, § 302(5), added subsec. (e).

§ 893b. NOAA's contribution to innovation

(a) Participation in interagency activities

The National Oceanic and Atmospheric Administration shall be a full participant in any

¹ So in original.

¹ So in original. Probably should be “the agency.”