

(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 the agency, with consideration given to the goal of promoting the participation of individuals identified in sections 1885a and 1885b of title 42 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;
 - (C) are designed considering the unique needs of underrepresented groups, translating such materials and other resources;
 - (D) promote the adoption and implementation of high-quality education practices that build toward college and career-readiness; and
 - (E) are promoted widely, especially among individuals identified in sections 1885a and 1885b of title 42; 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) Metrics

In executing the National Oceanic and Atmospheric Administration science education plan under subsection (c), the Administrator shall maintain a comprehensive system for evaluating the Administration's educational programs and activities. In so doing, the Administrator shall ensure that such education programs have measurable objectives and milestones as well as clear, documented metrics for evaluating programs. For each such education program or portfolio of similar programs, the Administrator shall—

- (1) encourage the collection of evidence as relevant to the measurable objectives and milestones; and
- (2) ensure that program or portfolio evaluations focus on educational outcomes and not just inputs, activities completed, or the number of participants.

(e) 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.

(f) 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; Pub. L. 114–329, title III, §314, Jan. 6, 2017, 130 Stat. 3015.)

AMENDMENTS

2017—Subsec. (a). Pub. L. 114–329, §314(a), substituted “the agency, with consideration given to the goal of promoting the participation of individuals identified in sections 1885a and 1885b of title 42” for “agency, with consideration given to the goal of promoting the participation of individuals from underrepresented groups”.

Subsec. (b)(4)(C) to (E). Pub. L. 114–329, §314(b), added subpars. (C) and (E) and redesignated former subpar. (C) as (D).

Subsecs. (d) to (f). Pub. L. 114–329, §314(c), added subsec. (d) and redesignated former subsecs. (d) and (e) as (e) and (f), respectively.

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 interagency effort to promote innovation and economic competitiveness through near-term and long-term basic scientific research and development and the promotion of science, technology, engineering, and mathematics education, consistent with the agency mission, including authorized activities.

(b) Historic foundation

In order to carry out the participation described in subsection (a), the Administrator of the National Oceanic and Atmospheric Administration shall build on the historic role of the National Oceanic and Atmospheric Administration in stimulating excellence in the advancement of ocean and atmospheric science and engineering disciplines and in providing opportunities and incentives for the pursuit of academic studies in science, technology, engineering, and mathematics.

(Pub. L. 110-69, title IV, §4003, Aug. 9, 2007, 121 Stat. 600.)

§ 893c. Workforce study

(a) In general

The Secretary of Commerce, in cooperation with the Secretary of Education, shall request the National Academy of Sciences to conduct a study on the scientific workforce in the areas of oceanic and atmospheric research and development. The study shall investigate—

(1) whether there is a shortage in the number of individuals with advanced degrees in oceanic and atmospheric sciences who have the ability to conduct high quality scientific research in physical and chemical oceanography, meteorology, and atmospheric modeling, and related fields, for government, nonprofit, and private sector entities;

(2) what Federal programs are available to help facilitate the education of students hoping to pursue these degrees;

(3) barriers to transitioning highly qualified oceanic and atmospheric scientists into Federal civil service scientist career tracks;

(4) what institutions of higher education, the private sector, and the Congress could do to increase the number of individuals with such post baccalaureate degrees;

(5) the impact of an aging Federal scientist workforce on the ability of Federal agencies to conduct high quality scientific research; and

(6) what actions the Federal government can take to assist the transition of highly qualified scientists into Federal career scientist positions and ensure that the experiences of retiring Federal scientists are adequately documented and transferred prior to retirement from Federal service.

(b) Coordination

The Secretary of Commerce and the Secretary of Education shall consult with the heads of

other Federal agencies and departments with oceanic and atmospheric expertise or authority in preparing the specifications for the study.

(c) Report

No later than 18 months after January 4, 2011, the Secretary of Commerce and the Secretary of Education shall transmit a joint report to each committee of Congress with jurisdiction over the programs described in section 893a(b) of this title, as amended by section 302 of this Act, detailing the findings and recommendations of the study and setting forth a prioritized plan to implement the recommendations.

(d) Program and plan

The Administrator of the National Oceanic and Atmospheric Administration shall evaluate the National Academy of Sciences study and develop a workforce program and plan to institutionalize the Administration's Federal science career pathways and address aging workforce issues. The program and plan shall be developed in consultation with the Administration's cooperative institutes and other academic partners to identify and implement programs and mechanisms to ensure that—

(1) sufficient highly qualified scientists are able to transition into Federal career scientist positions in the Administration's laboratories and programs; and

(2) the technical and management experiences of senior employees are documented and transferred before leaving Federal service.

(Pub. L. 111-358, title III, §303, Jan. 4, 2011, 124 Stat. 3998.)

REFERENCES IN TEXT

Section 302 of this Act, referred to in subsec. (c), is section 302 of Pub. L. 111-358, which amended section 893a of this title.

SUBCHAPTER VI—SEXUAL HARASSMENT AND ASSAULT PREVENTION

§ 894. Actions to address sexual harassment at National Oceanic and Atmospheric Administration

(a) Required policy

Not later than 1 year after December 23, 2016, the Secretary of Commerce shall, acting through the Under Secretary for Oceans and Atmosphere, develop a policy on the prevention of and response to sexual harassment involving employees of the National Oceanic and Atmospheric Administration, members of the commissioned officer corps of the Administration, and individuals who work with or conduct business on behalf of the Administration.

(b) Matters to be specified in policy

The policy developed under subsection (a) shall include—

(1) establishment of a program to promote awareness of the incidence of sexual harassment;

(2) clear procedures an individual should follow in the case of an occurrence of sexual harassment, including—

(A) a specification of the person or persons to whom an alleged occurrence of sexual