

Editorial Notes

CODIFICATION

Section 40315(a) of Pub. L. 117-58, which directed the amendment of the Energy Policy Act of 2005 by adding this section at the end, was executed by adding this section at the end of title VIII of the Act, to reflect the probable intent of Congress.

Statutory Notes and Related Subsidiaries

WAGE RATE REQUIREMENTS

For provisions relating to rates of wages to be paid to laborers and mechanics on projects for construction, alteration, or repair work funded under div. D or an amendment by div. D of Pub. L. 117-58, including authority of Secretary of Labor, see section 18851 of this title.

SUBCHAPTER IX—RESEARCH AND DEVELOPMENT

§ 16181. Goals**(a) In general**

In order to achieve the purposes of this subchapter, the Secretary shall conduct a balanced set of programs of energy research, development, demonstration, and commercial application with the general goals of—

- (1) increasing the efficiency of all energy intensive sectors through conservation and improved technologies;
- (2) promoting diversity of energy supply;
- (3) decreasing the dependence of the United States on foreign energy supplies;
- (4) improving the energy security of the United States; and
- (5) decreasing the environmental impact of energy-related activities.

(b) Goals

The Secretary shall publish measurable cost and performance-based goals, comparable over time, with each annual budget submission in at least the following areas:

- (1) Energy efficiency for buildings, energy-consuming industries, and vehicles.
- (2) Electric energy generation (including distributed generation), transmission, and storage.
- (3) Renewable energy technologies, including wind power, photovoltaics, solar thermal systems, geothermal energy, hydrogen-fueled systems, biomass-based systems, biofuels, and hydropower.
- (4) Fossil energy, including power generation, onshore and offshore oil and gas resource recovery, and transportation fuels.
- (5) Nuclear energy, including programs for existing and advanced reactors, and education of future specialists.

(c) Public comment

The Secretary shall provide mechanisms for input on the annually published goals from industry, institutions of higher education, and other public sources.

(d) Effect of goals

Nothing in subsection (a) or the annually published goals creates any new authority for any Federal agency, or may be used by any Federal agency, to support the establishment of regulatory standards or regulatory requirements.

(Pub. L. 109-58, title IX, §902, Aug. 8, 2005, 119 Stat. 856.)

Editorial Notes

REFERENCES IN TEXT

This subchapter, referred to in subsec. (a), was in the original “this title”, meaning title IX of Pub. L. 109-58, Aug. 8, 2005, 119 Stat. 856, which enacted this subchapter, amended sections 8101 and 8102 of Title 7, Agriculture, and section 5523 of Title 15, Commerce and Trade, enacted provisions set out as notes under section 15801 of this title, section 8102 of Title 7, and section 2001 of Title 30, Mineral Lands and Mining, and amended provisions set out as notes under section 8101 of Title 7 and section 1902 of Title 30. For complete classification of title IX to the Code, see Short Title note set out under section 15801 of this title and Tables.

Statutory Notes and Related Subsidiaries

SHORT TITLE

For short title of title IX of Pub. L. 109-58, which enacted this subchapter, as the “Energy Research, Development, Demonstration, and Commercial Application Act of 2005”, see section 431 of Pub. L. 109-58, set out as a note under section 15801 of this title.

§ 16182. Definitions

In this subchapter:

(1) Departmental mission

The term “departmental mission” means any of the functions vested in the Secretary by the Department of Energy Organization Act (42 U.S.C. 7101 et seq.) or other law.

(2) Hispanic-serving institution

The term “Hispanic-serving institution” has the meaning given the term in section 1101a(a) of title 20.

(3) Nonmilitary energy laboratory

The term “nonmilitary energy laboratory” means a National Laboratory other than a National Laboratory listed in subparagraph (G), (H), or (N) of section 15801(3) of this title.

(4) Part B institution

The term “part B institution” has the meaning given the term in section 1061 of title 20.

(5) Single-purpose research facility

The term “single-purpose research facility” means—

- (A) any of the primarily single-purpose entities owned by the Department; or
- (B) any other organization of the Department designated by the Secretary.

(6) University

The term “university” has the meaning given the term “institution of higher education” in section 1001 of title 20.

(Pub. L. 109-58, title IX, §903, Aug. 8, 2005, 119 Stat. 856.)

Editorial Notes

REFERENCES IN TEXT

This subchapter, referred to in text, was in the original “this title”, meaning title IX of Pub. L. 109-58, Aug. 8, 2005, 119 Stat. 856, which enacted this subchapter, amended sections 8101 and 8102 of Title 7, Agriculture, and section 5523 of Title 15, Commerce and Trade, en-

acted provisions set out as notes under section 15801 of this title, section 8102 of Title 7, and section 2001 of Title 30, Mineral Lands and Mining, and amended provisions set out as notes under section 8101 of Title 7 and section 1902 of Title 30. For complete classification of title IX to the Code, see Short Title note set out under section 15801 of this title and Tables.

The Department of Energy Organization Act, referred to in par. (1), is Pub. L. 95-91, Aug. 4, 1977, 91 Stat. 565, which is classified principally to chapter 84 (§7101 et seq.) of this title. For complete classification of this Act to the Code, see Short Title note set out under section 7101 of this title and Tables.

§ 16183. Energy and water for sustainability

(a) Nexus of energy and water for sustainability

(1) Definitions

In this section:

(A) Department

The term “Department” means the Department of Energy.

(B) Energy-water nexus

The term “energy-water nexus” means the links between—

- (i) the water needed to produce fuels, electricity, and other forms of energy; and
- (ii) the energy needed to transport, reclaim, and treat water and wastewater.

(C) Interagency RD&D Coordination Committee

The term “Interagency RD&D Coordination Committee” means the Interagency RD&D Coordination Committee on the Nexus of Energy and Water for Sustainability (or the “NEWS RD&D Committee”) established under paragraph (3)(A).

(D) Nexus of Energy and Water Sustainability RD&D Office; NEWS RD&D Office

The term “Nexus of Energy and Water Sustainability RD&D Office” or the “NEWS RD&D Office” means an office located at the Department and managed in cooperation with the Department of the Interior pursuant to an agreement between the 2 agencies to carry out leadership and administrative functions for the Interagency RD&D Coordination Committee.

(E) RD&D

The term “RD&D” means research, development, and demonstration.

(F) Secretary

The term “Secretary” means the Secretary of Energy.

(2) Statement of policy

Recognizing States’ primacy over allocation and administration of water resources (except in specific instances where preempted under Federal law) and the siting of energy infrastructure within State boundaries on non-Federal lands, it is the national policy that the Federal government, in all energy-water nexus management activities, shall maximize coordination and consultation among Federal agencies and with State and local governments, and disseminate information to the public in the most effective manner.

(3) Interagency RD&D Coordination Committee

(A) Establishment

Not later than 180 days after December 27, 2020, the Secretary and the Secretary of the Interior shall establish the joint NEWS RD&D Office and Interagency RD&D Coordination Committee on the Nexus of Energy and Water for Sustainability (or the “NEWS RD&D Committee”) to carry out the duties described in subparagraph (C).

(B) Administration

(i) Chairs

The Secretary and the Secretary of the Interior shall jointly manage the NEWS RD&D Office and serve as co-chairs of the Interagency RD&D Coordination Committee.

(ii) Membership; staffing

Membership and staffing shall be determined by the co-chairs.

(C) Duties

The Interagency RD&D Coordination Committee shall—

(i) serve as a forum for developing common Federal goals and plans on energy-water nexus RD&D activities, in coordination with the National Science and Technology Council;

(ii) not later than 1 year after December 27, 2020, and biennially thereafter, issue a strategic plan on energy-water nexus RD&D activities, priorities, and objectives pursuant to subparagraph (D), which shall be developed in consultation with relevant State and local governments;

(iii) convene and promote coordination of RD&D activities of relevant Federal departments and agencies on energy-water nexus;

(iv)(I) coordinate and develop capabilities and methodologies related to RD&D activities for data collection, data communication protocols (including models and modeling results), data management, and dissemination of validated data and results related to energy-water nexus RD&D activities to requesting Federal departments and agencies; and

(II) promote information exchange between Federal departments and agencies—

(aa) to identify and document Federal and non-Federal RD&D programs and funding opportunities that support basic and applied RD&D proposals to advance energy-water nexus related science and technologies;

(bb) to leverage existing RD&D programs by encouraging joint solicitations, block grants, and matching programs with non-Federal entities; and

(cc) to identify opportunities for domestic and international public-private partnerships, innovative financing mechanisms, and information and data exchange with respect to RD&D activities;

(v) identify ways to leverage existing RD&D programs, including programs at the State and local level;