

notes under section 8101 of Title 7, and section 1902 of Title 30 may be cited as the ‘Energy Research, Development, Demonstration, and Commercial Application Act of 2005.’

Pub. L. 109-58, title XII, §1201, Aug. 8, 2005, 119 Stat. 941, provided that: “This title [enacting subchapter XII of this chapter and sections 824j-1 and 824o to 824w of Title 16, Conservation, amending sections 796, 824, 824a-3, 824b, 824e, 824j, 824m, 825e, 825f, 825l to 825o, 825o-1, 2621, 2622, 2625, 2634, and 2642 of Title 16, repealing chapter 2C (§79 et seq.) of Title 15, Commerce and Trade, and sections 824n and 825q of Title 16, and enacting provisions set out as notes under section 16451 of this title and sections 824b, 824o, 824q, and 2642 of Title 16] may be cited as the ‘Electricity Modernization Act of 2005.’”

Pub. L. 109-58, title XII, §1261, Aug. 8, 2005, 119 Stat. 972, provided that: “This subtitle [subtitle F (§§1261-1277) of title XII of Pub.L. 109-58, enacting part D (§16451 et seq.) of subchapter XII of this chapter, amending sections 824 and 824m of Title 16, Conservation, repealing chapter 2C (§79 et seq.) of Title 15, Commerce and Trade, and section 825q of Title 16, and enacting provisions set out as a note under section 16451 of this title] may be cited as the ‘Public Utility Holding Company Act of 2005.’”

SUBCHAPTER I—ENERGY EFFICIENCY

PART A—FEDERAL PROGRAMS

§ 15811. Voluntary commitments to reduce industrial energy intensity

(a) Definition of energy intensity

In this section, the term “energy intensity” means the primary energy consumed for each unit of physical output in an industrial process.

(b) Voluntary agreements

The Secretary may enter into voluntary agreements with one or more persons in industrial sectors that consume significant quantities of primary energy for each unit of physical output to reduce the energy intensity of the production activities of the persons.

(c) Goal

Voluntary agreements under this section shall have as a goal the reduction of energy intensity by not less than 2.5 percent each year during the period of calendar years 2007 through 2016.

(d) Recognition

The Secretary, in cooperation with other appropriate Federal agencies, shall develop mechanisms to recognize and publicize the achievements of participants in voluntary agreements under this section.

(e) Technical assistance

A person that enters into an agreement under this section and continues to make a good faith effort to achieve the energy efficiency goals specified in the agreement shall be eligible to receive from the Secretary a grant or technical assistance, as appropriate, to assist in the achievement of those goals.

(f) Report

Not later than each of June 30, 2012, and June 30, 2017, the Secretary shall submit to Congress a report that—

- (1) evaluates the success of the voluntary agreements under this section; and
- (2) provides independent verification of a sample of the energy savings estimates provided by participating firms.

(Pub. L. 109-58, title I, §106, Aug. 8, 2005, 119 Stat. 611.)

§ 15812. Advanced Building Efficiency Testbed

(a) Establishment

The Secretary, in consultation with the Administrator of General Services, shall establish an Advanced Building Efficiency Testbed program for the development, testing, and demonstration of advanced engineering systems, components, and materials to enable innovations in building technologies. The program shall evaluate efficiency concepts for government and industry buildings, and demonstrate the ability of next generation buildings to support individual and organizational productivity and health (including by improving indoor air quality) as well as flexibility and technological change to improve environmental sustainability. Such program shall complement and not duplicate existing national programs.

(b) Participants

The program established under subsection (a) shall be led by a university with the ability to combine the expertise from numerous academic fields including, at a minimum, intelligent workplaces and advanced building systems and engineering, electrical and computer engineering, computer science, architecture, urban design, and environmental and mechanical engineering. Such university shall partner with other universities and entities who have established programs and the capability of advancing innovative building efficiency technologies.

(c) Authorization of appropriations

There are authorized to be appropriated to the Secretary to carry out this section \$6,000,000 for each of the fiscal years 2006 through 2008, to remain available until expended. For any fiscal year in which funds are expended under this section, the Secretary shall provide one-third of the total amount to the lead university described in subsection (b), and provide the remaining two-thirds to the other participants referred to in subsection (b) on an equal basis.

(Pub. L. 109-58, title I, §107, Aug. 8, 2005, 119 Stat. 612.)

§ 15813. Enhancing energy efficiency in management of Federal lands

(a) Sense of the Congress

It is the sense of the Congress that Federal agencies should enhance the use of energy efficient technologies in the management of natural resources.

(b) Energy efficient buildings

To the extent practicable, the Secretary of the Interior, the Secretary of Commerce, and the Secretary of Agriculture shall seek to incorporate energy efficient technologies in public and administrative buildings associated with management of the National Park System, National Wildlife Refuge System, National Forest System, National Marine Sanctuaries System, and other public lands and resources managed by the Secretaries.

(c) Energy efficient vehicles

To the extent practicable, the Secretary of the Interior, the Secretary of Commerce, and the