

A (§17171 et seq.) of subchapter V of this chapter] may be cited as the ‘Solar Energy Research and Advancement Act of 2007.’”

Pub. L. 110-140, title VI, §611, Dec. 19, 2007, 121 Stat. 1678, provided that: “This subtitle [subtitle B (§§611-625) of title VI of Pub. L. 110-140, enacting part B (§17191 et seq.) of subchapter V of this chapter] may be cited as the ‘Advanced Geothermal Energy Research and Development Act of 2007.’”

Pub. L. 110-140, title VI, §631, Dec. 19, 2007, 121 Stat. 1686, provided that: “This subtitle [subtitle C (§§631-636) of title VI of Pub. L. 110-140, enacting part C (§17211 et seq.) of subchapter V of this chapter] may be cited as the ‘Marine and Hydrokinetic Renewable Energy Research and Development Act.’”

Pub. L. 110-140, title VII, §701, Dec. 19, 2007, 121 Stat. 1704, provided that: “This subtitle [subtitle A (§§701-708) of title VII of Pub. L. 110-140, enacting part A (§17251 et seq.) of subchapter VI of this chapter and amending section 16293 of this title] may be cited as the ‘Department of Energy Carbon Capture and Sequestration Research, Development, and Demonstration Act of 2007.’”

### § 17002. Relationship to other law

Except to the extent expressly provided in this Act or an amendment made by this Act, nothing in this Act or an amendment made by this Act supersedes, limits the authority provided or responsibility conferred by, or authorizes any violation of any provision of law (including a regulation), including any energy or environmental law or regulation.

(Pub. L. 110-140, §3, Dec. 19, 2007, 121 Stat. 1498.)

#### REFERENCES IN TEXT

This Act, referred to in text, is Pub. L. 110-140, Dec. 19, 2007, 121 Stat. 1492, known as the Energy Independence and Security Act of 2007, which enacted this chapter and enacted and amended numerous other sections and notes in the Code. For complete classification of this Act to the Code, see Short Title note set out under section 17001 of this title and Tables.

#### EFFECTIVE DATE

Section effective on the date that is 1 day after Dec. 19, 2007, see section 1601 of Pub. L. 110-140, set out as a note under section 1824 of Title 2, The Congress.

### SUBCHAPTER I—IMPROVED VEHICLE TECHNOLOGY

### § 17011. Transportation electrification

#### (a) Definitions

In this section:

##### (1) Administrator

The term “Administrator” means the Administrator of the Environmental Protection Agency.

##### (2) Battery

The term “battery” means an electrochemical energy storage system powered directly by electrical current.

##### (3) Electric transportation technology

The term “electric transportation technology” means—

(A) technology used in vehicles that use an electric motor for all or part of the motive power of the vehicles, including battery electric, hybrid electric, plug-in hybrid electric, fuel cell, and plug-in fuel cell vehicles, or rail transportation; or

(B) equipment relating to transportation or mobile sources of air pollution that use an electric motor to replace an internal combustion engine for all or part of the work of the equipment, including—

(i) corded electric equipment linked to transportation or mobile sources of air pollution; and

(ii) electrification technologies at airports, ports, truck stops, and material-handling facilities.

#### (4) Nonroad vehicle

The term “nonroad vehicle” means a vehicle—

(A) powered—

(i) by a nonroad engine, as that term is defined in section 7550 of this title; or

(ii) fully or partially by an electric motor powered by a fuel cell, a battery, or an off-board source of electricity; and

(B) that is not a motor vehicle or a vehicle used solely for competition.

#### (5) Plug-in electric drive vehicle

The term “plug-in electric drive vehicle” means a vehicle that—

(A) draws motive power from a battery with a capacity of at least 4 kilowatt-hours;

(B) can be recharged from an external source of electricity for motive power; and

(C) is a light-, medium-, or heavy-duty motor vehicle or nonroad vehicle (as those terms are defined in section 7550 of this title).

#### (6) Qualified electric transportation project

The term “qualified electric transportation project” means an electric transportation technology project that would significantly reduce emissions of criteria pollutants, greenhouse gas emissions, and petroleum, including—

(A) shipside or shoreside electrification for vessels;

(B) truck-stop electrification;

(C) electric truck refrigeration units;

(D) battery-powered auxiliary power units for trucks;

(E) electric airport ground support equipment;

(F) electric material and cargo handling equipment;

(G) electric or dual-mode electric rail;

(H) any distribution upgrades needed to supply electricity to the project; and

(I) any ancillary infrastructure, including panel upgrades, battery chargers, in-situ transformers, and trenching.

#### (b) Plug-in electric drive vehicle program

##### (1) Establishment

The Secretary shall establish a competitive program to provide grants on a cost-shared basis to State governments, local governments, metropolitan transportation authorities, air pollution control districts, private or nonprofit entities, or combinations of those governments, authorities, districts, and entities, to carry out one or more projects to encourage the use of plug-in electric drive vehicles or other emerging electric vehicle technologies, as determined by the Secretary.