

(3) to demonstrate and promote commercial application of technologies related to geothermal energy as part of the project.

(d) Cost sharing

The cost-sharing requirements of section 16352 of this title shall apply to any project carried out under this section.

(e) Authorization of appropriations

Out of funds authorized under section 17202 of this title, there is authorized to be appropriated to carry out this section \$5,000,000 for each of fiscal years 2021 through 2025.

(Pub. L. 110-140, title VI, §625, Dec. 19, 2007, 121 Stat. 1685; Pub. L. 116-260, div. Z, title III, §3002(*l*), Dec. 27, 2020, 134 Stat. 2496.)

Editorial Notes

AMENDMENTS

2020—Subsec. (a)(2). Pub. L. 116-260, §3002(*l*)(1), inserted “or heat” after “electrical power”.

Subsec. (e). Pub. L. 116-260, §3002(*l*)(2), amended subsec. (e) generally. Prior to amendment, text read as follows: “There are authorized to be appropriated such sums as are necessary to carry out this section.”

Statutory Notes and Related Subsidiaries

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.

PART C—WATER POWER RESEARCH AND DEVELOPMENT

Editorial Notes

CODIFICATION

Subtitle C of title VI of the Energy Independence and Security Act of 2007, known as the Marine and Hydrokinetic Renewable Energy Research and Development Act, comprising this part, was originally enacted by Pub. L. 110-140, title VI, Dec. 19, 2007, 121 Stat. 1686. Such part is shown herein, however, as having been added by Pub. L. 116-260, div. Z, title III, §3001(a), Dec. 27, 2020, 134 Stat. 2479, because of the extensive revision of the part’s provisions by Pub. L. 116-260.

Statutory Notes and Related Subsidiaries

APPLICATION

Provisions of section 3212 of this title applicable to construction, alteration, or repair work of demonstration projects funded by grants or contracts authorized under this part, see section 9006(b) of div. Z of Pub. L. 116-260, set out as a note under section 16237 of this title.

§ 17211. Definitions

In this part:

(1) Eligible entity

The term “eligible entity” means any of the following entities:

- (A) An institution of higher education.
- (B) A National Laboratory.
- (C) A Federal research agency.
- (D) A State research agency.
- (E) A nonprofit research organization.
- (F) An industrial entity or a multi-institutional consortium thereof.

(2) Institution of higher education

The term “institution of higher education” means—

- (A) an institution of higher education (as defined in section 1001(a) of title 20); or
- (B) a postsecondary vocational institution (as defined in section 1002(c) of title 20).

(3) Marine energy

The term “marine energy” means energy from—

- (A) waves, tides, and currents in oceans, estuaries, and tidal areas;
- (B) free flowing water in rivers, lakes, streams, and man-made channels;
- (C) differentials in salinity and pressure gradients; and
- (D) differentials in water temperature, including ocean thermal energy conversion.

(4) National laboratory

The term “National Laboratory” has the meaning given such term in section 15801(3) of this title.

(5) Water power

The term “water power” refers to hydro-power, including conduit power, pumped storage, and marine energy technologies.

(6) Microgrid

The term “microgrid” has the meaning given such term in section 17231 of this title.

(Pub. L. 110-140, title VI, §632, as added Pub. L. 116-260, div. Z, title III, §3001(a), Dec. 27, 2020, 134 Stat. 2479.)

Editorial Notes

PRIOR PROVISIONS

A prior section 17211, Pub. L. 110-140, title VI, §632, Dec. 19, 2007, 121 Stat. 1686, related to definitions of terms, prior to the general amendment of this part by Pub. L. 116-260.

Statutory Notes and Related Subsidiaries

SHORT TITLE

This part was formerly known as the “Marine and Hydrokinetic Renewable Energy Research and Development Act”, see Short Title note formerly set out under section 17001 of this title.

§ 17212. Water power technology research, development, and demonstration

The Secretary shall carry out a program to conduct research, development, demonstration, and commercial application of water power technologies in support of each of the following purposes:

- (1) To promote research, development, demonstration, and commercial application of water power generation technologies in order to increase capacity and reduce the cost of those technologies.
- (2) To promote research and development to improve the environmental impact of water power technologies.
- (3) To provide grid reliability and resilience, including through technologies that facilitate new market opportunities, such as ancillary services, for water power.