

nities, including in applications relating to—

- (i) desalination;
- (ii) disaster recovery and resilience; and
- (iii) community microgrids in isolated power systems.

**(b) Study of non-power sector applications for advanced marine energy technologies**

**(1) In general**

The Secretary, in consultation with the Secretary of Transportation and the Secretary of Commerce, shall conduct a study to examine opportunities for research and development in advanced marine energy technologies for non-power sector applications, including applications with respect to—

- (A) the maritime transportation sector;
- (B) associated maritime energy infrastructure, including infrastructure that serves ports, to improve system resilience and disaster recovery; and
- (C) enabling scientific missions at sea and in extreme environments, including the Arctic.

**(2) Report**

Not later than 1 year after December 27, 2020, the Secretary shall submit to the Committee on Energy and Natural Resources of the Senate and the Committee on Science, Space, and Technology of the House of Representatives a report that describes the results of the study conducted under paragraph (1).

(Pub. L. 110-140, title VI, §635, as added Pub. L. 116-260, div. Z, title III, §3001(a), Dec. 27, 2020, 134 Stat. 2482.)

**Editorial Notes**

**PRIOR PROVISIONS**

A prior section 17214, Pub. L. 110-140, title VI, §635, Dec. 19, 2007, 121 Stat. 1688, related to applicability of other laws, prior to the general amendment of this part by Pub. L. 116-260.

**§ 17215. National Marine Energy Centers**

**(a) In general**

The Secretary shall award grants, each such grant up to \$10,000,000 per year, to institutions of higher education (or consortia thereof) for—

- (1) the continuation and expansion of the research, development, demonstration, testing, and commercial application activities at the National Marine Energy Centers (referred to in this section as “Centers”) established as of January 1, 2020; and
- (2) the establishment of new National Marine Energy Centers.

**(b) Location selection**

In selecting institutions of higher education for new Centers, the Secretary shall consider the following criteria:

- (1) Whether the institution hosts an existing marine energy research and development program.
- (2) Whether the institution has proven technical expertise to support marine energy research.
- (3) Whether the institution has access to marine resources.

**(c) Purposes**

The Centers shall coordinate among themselves, the Department, and National Laboratories to—

- (1) advance research, development, demonstration, and commercial application of marine energy technologies in response to industry and commercial needs;
- (2) support in-water testing and demonstration of marine energy technologies, including facilities capable of testing—
  - (A) marine energy systems of various technology readiness levels and scales;
  - (B) a variety of technologies in multiple test berths at a single location;
  - (C) arrays of technology devices; and
  - (D) interconnectivity to an electrical grid, including microgrids; and
- (3) collect and disseminate information on best practices in all areas relating to developing and managing marine energy resources and energy systems.

**(d) Coordination**

To the extent practicable, the Centers shall coordinate their activities with the Secretary of Commerce, acting through the Undersecretary of Commerce for Oceans and Atmosphere, and other relevant Federal agencies.

**(e) Termination**

To the extent otherwise authorized by law, the Secretary may terminate funding for a Center described in paragraph (a) if such Center is under-performing.

(Pub. L. 110-140, title VI, §636, as added Pub. L. 116-260, div. Z, title III, §3001(a), Dec. 27, 2020, 134 Stat. 2484.)

**Editorial Notes**

**PRIOR PROVISIONS**

A prior section 17215, Pub. L. 110-140, title VI, §636, Dec. 19, 2007, 121 Stat. 1688, related to authorization of appropriations, prior to the general amendment of this part by Pub. L. 116-260.

**§ 17216. Organization and administration of programs**

**(a) Coordination**

In carrying out this part, the Secretary shall coordinate activities, and effectively manage cross-cutting research priorities across programs of the Department and other relevant Federal agencies, including the National Laboratories and the National Marine Energy Centers.

**(b) Collaboration**

**(1) In general**

In carrying out this part, the Secretary shall collaborate with industry, National Laboratories, other relevant Federal agencies, institutions of higher education, including Minority Serving Institutions, National Marine Energy Centers, Tribal entities, including Alaska Native Corporations, and international bodies with relevant scientific and technical expertise.

**(2) Participation**

To the extent practicable, the Secretary shall encourage research projects that pro-

mote collaboration between entities specified in paragraph (1) and include entities not historically associated with National Marine Energy Centers, such as Minority Serving Institutions.

**(3) International collaboration**

The Secretary, in coordination with other appropriate Federal and multilateral agencies (including the United States Agency for International Development) shall support collaborative efforts with international partners to promote the research, development, and demonstration of water power technologies used to develop hydropower, pump storage, and marine energy resources.

**(c) Dissemination of results and public availability**

The Secretary shall—

(1) publish the results of projects supported under this part through Department websites, reports, databases, training materials, and industry conferences, including information discovered after the completion of such projects, withholding any industrial proprietary information; and

(2) share results of such projects with the public except to the extent that the information is protected from disclosure under section 552(b) of title 5.

**(d) Award frequency**

The Secretary shall solicit applications for awards under this part no less frequently than once per fiscal year.

**(e) Education and outreach**

In carrying out the activities described in this part, the Secretary shall support education and outreach activities to disseminate information and promote public understanding of water power technologies and the water power workforce, including activities at the National Marine Energy Centers.

**(f) Technical assistance and workforce development**

In carrying out this part, the Secretary may also conduct, for purposes of supporting technical, non-hardware, and information-based advances in water power systems development and operations—

(1) technical assistance and analysis activities with eligible entities, including activities that support expanding access to advanced water power technologies for rural, Tribal, and low-income communities; and

(2) workforce development and training activities, including to support the dissemination of standards and best practices for enabling water power production.

**(g) Strategic plan**

In carrying out the activities described in this part, the Secretary shall—

(1) not later than one year after December 27, 2020, draft a plan, considering input from relevant stakeholders such as industry and academia, to implement the programs described in this part and update the plan on an annual basis; and

(2) the plan<sup>1</sup> shall address near-term (up to 2 years), mid-term (up to 7 years), and long-term (up to 15 years) challenges to the advancement of water power systems.

**(h) Report to Congress**

Not later than 1 year after December 27, 2020, and at least once every 2 years thereafter, the Secretary shall provide, and make available to the public and the relevant authorizing and appropriations committees of Congress, a report on the findings of research conducted and activities carried out pursuant to this part, including the most current strategic plan under subsection (g) and the progress made in implementing such plan.

(Pub. L. 110-140, title VI, § 637, as added Pub. L. 116-260, div. Z, title III, § 3001(a), Dec. 27, 2020, 134 Stat. 2485.)

**§ 17217. Applicability of other laws**

Nothing in this part shall be construed as waiving, modifying, or superseding the applicability of any requirement under any environmental or other Federal or State law.

(Pub. L. 110-140, title VI, § 638, as added Pub. L. 116-260, div. Z, title III, § 3001(a), Dec. 27, 2020, 134 Stat. 2486.)

**§ 17218. Authorization of appropriations**

There are authorized to be appropriated to the Secretary to carry out this part \$186,600,000 for each of fiscal years 2021 through 2025, including \$137,428,378 for marine energy and \$49,171,622 for hydropower research, development, and demonstration activities.

(Pub. L. 110-140, title VI, § 639, as added Pub. L. 116-260, div. Z, title III, § 3001(a), Dec. 27, 2020, 134 Stat. 2486.)

PART D—ENERGY STORAGE FOR  
TRANSPORTATION AND ELECTRIC POWER

**§ 17231. Energy storage competitiveness**

**(a) Short title**

This section may be cited as the “United States Energy Storage Competitiveness Act of 2007”.

**(b) Definitions**

In this section:

**(1) Council**

The term “Council” means the Energy Storage Advisory Council established under subsection (e).

**(2) Compressed air energy storage**

The term “compressed air energy storage” means, in the case of an electricity grid application, the storage of energy through the compression of air.

**(3) Electric drive vehicle**

The term “electric drive vehicle” means—

(A) a vehicle that uses an electric motor for all or part of the motive power of the vehicle, including battery electric, hybrid elec-

<sup>1</sup> So in original.