

(B) may use the grant to obtain technical assistance from experts in carrying out the activities described in subparagraph (A).

(4) Condition

As a condition of receiving a grant under paragraph (1), an eligible entity shall—

(A) implement a public awareness campaign, in coordination with the Secretary, about the project implemented under the grant in the community in which the eligible entity is located, which campaign shall include providing projected environmental benefits achieved under the project, where to find more information about the program established under this section, and any other information the Secretary determines necessary;

(B) submit to the Secretary, and make available to the public, a report that describes—

(i) any energy cost savings and environmental benefits achieved under the project; and

(ii) the results of the project, including quantitative assessments to the extent practicable, associated with each activity described in paragraph (3)(A); and

(C) create and disseminate tools and resources that will benefit other rural electric cooperatives, which may include cost calculators, guidebooks, handbooks, templates, and training courses.

(5) Cost-share

Activities under this subsection shall be subject to the cost-sharing requirements of section 16352 of this title.

(e) Technical assistance

(1) In general

In carrying out the program established under subsection (b), the Secretary may provide eligible entities with technical assistance relating to—

(A) identifying opportunities for energy storage technology and microgrid projects;

(B) understanding the technical and economic characteristics of energy storage technology or microgrid projects;

(C) understanding financing alternatives;

(D) permitting and siting issues;

(E) obtaining case studies of similar and successful energy storage technology or microgrid projects;

(F) reviewing and obtaining computer software for assessment, design, and operation and maintenance of energy storage technology or microgrid systems; and

(G) understanding and utilizing the reliability and resiliency benefits of energy storage technology and microgrid projects.

(2) External contracts

In carrying out paragraph (1), the Secretary may enter into contracts with third-party experts, including engineering, finance, and insurance experts, to provide technical assistance to eligible entities relating to the activities described in such paragraph, or other relevant activities, as determined by the Secretary.

(f) Authorization of appropriations

(1) In general

There is authorized to be appropriated to carry out this section \$15,000,000 for each of fiscal years 2021 through 2025.

(2) Administrative costs

Not more than 5 percent of the amount appropriated under paragraph (1) for each fiscal year shall be used for administrative expenses.

(Pub. L. 116–260, div. Z, title III, §3202, Dec. 27, 2020, 134 Stat. 2525.)

Editorial Notes

CODIFICATION

Section was enacted as part of the Energy Act of 2020, and not as part of the Energy Independence and Security Act of 2007 which comprises this chapter.

PART E—MISCELLANEOUS PROVISIONS

§ 17241. Lightweight materials research and development

(a) In general

As soon as practicable after December 19, 2007, the Secretary of Energy shall establish a program to determine ways in which the weight of motor vehicles could be reduced to improve fuel efficiency without compromising passenger safety by conducting research, development, and demonstration relating to—

(1) the development of new materials (including cast metal composite materials formed by autocombustion synthesis) and material processes that yield a higher strength-to-weight ratio or other properties that reduce vehicle weight; and

(2) reducing the cost of—

(A) lightweight materials (including high-strength steel alloys, aluminum, magnesium, metal composites, and carbon fiber reinforced polymer composites) with the properties required for construction of lighter-weight vehicles; and

(B) materials processing, automated manufacturing, joining, and recycling lightweight materials for high-volume applications.

(b) Authorization of appropriations

There is authorized to be appropriated to carry out this section \$80,000,000 for the period of fiscal years 2008 through 2012.

(Pub. L. 110–140, title VI, §651, Dec. 19, 2007, 121 Stat. 1694.)

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.

§ 17242. Commercial insulation demonstration program

(a) Definitions

In this section:

(1) Advanced insulation

The term “advanced insulation” means insulation that has an R value of not less than R35 per inch.