

technologies to maximize the geothermal resource potential of the United States.

**(f) Progress reports**

Not later than 1 year after December 27, 2020, and every 2 years thereafter, the Secretary shall submit to the Committee on Science and Technology of the House of Representatives and the Committee on Energy and Natural Resources of the Senate a report on the results of projects undertaken under this part and other such information the Secretary considers appropriate.

(Pub. L. 110–140, title VI, §617, Dec. 19, 2007, 121 Stat. 1682; Pub. L. 116–260, div. Z, title III, §3002(f)(1), Dec. 27, 2020, 134 Stat. 2493.)

**Editorial Notes**

REFERENCES IN TEXT

This part, referred to in subsec. (f), probably should be a reference to “this subtitle”, meaning subtitle B of title VI of Pub. L. 110–140, which is classified to this part.

AMENDMENTS

2020—Pub. L. 116–260, §3002(f)(1)(A), substituted “Organization and administration of programs” for “Cost sharing and proposal evaluation” in section catchline.

Subsec. (b)(2) to (4). Pub. L. 116–260, §3002(f)(1)(B), redesignated pars. (3) and (4) as (2) and (3), respectively, and struck out former par. (2) which read as follows: “In evaluating proposals, the Secretary shall give priority to proposals that demonstrate clear evidence of employing a systems approach.”

Subsecs. (c) to (f). Pub. L. 116–260, §3002(f)(1)(C), added subsecs. (c) to (f).

**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.

**§ 17197. Advanced geothermal computing and data science research and development**

**(a) In general**

The Secretary shall carry out a program of research and development of advanced computing and data science tools for geothermal energy.

**(b) Programs**

The program authorized in subsection (a) shall include the following:

**(1) Advanced computing for geothermal systems technologies**

Research, development, and demonstration of technologies to develop advanced data, machine learning, artificial intelligence, and related computing tools to assist in locating geothermal resources, to increase the reliability of site characterization, to increase the rate and efficiency of drilling, to improve induced seismicity mitigation, and to support enhanced geothermal systems technologies.

**(2) Geothermal systems reservoir modeling**

Research, development, and demonstration of models of geothermal reservoir performance and enhanced geothermal systems reservoir stimulation technologies and techniques, with an emphasis on accurately modeling fluid and

heat flow, permeability evolution, geomechanics, geochemistry, seismicity, and operational performance over time, including collaboration with industry and field validation.

**(c) Coordination**

In carrying out these programs, the Secretary shall ensure coordination and consultation with the Department of Energy’s Office of Science. The Secretary shall ensure, to the maximum extent practicable, coordination of these activities with the Department of Energy National Laboratories, institutes of higher education, and the private sector.

(Pub. L. 110–140, title VI, §618, Dec. 19, 2007, 121 Stat. 1683; Pub. L. 116–260, div. Z, title III, §3002(g)(1), Dec. 27, 2020, 134 Stat. 2494.)

**Editorial Notes**

AMENDMENTS

2020—Pub. L. 116–260 amended section generally. Prior to amendment, section related to Center for Geothermal Technology Transfer.

**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.

**§ 17198. Geothermal workforce development**

The Secretary shall support the development of a geothermal energy workforce through a program that—

(1) facilitates collaboration between university students and researchers at the National Laboratories; and

(2) prioritizes science in areas relevant to the mission of the Department through the application of geothermal energy tools and technologies.

(Pub. L. 110–140, title VI, §619, Dec. 19, 2007, 121 Stat. 1683; Pub. L. 116–260, div. Z, title III, §3002(h)(1), Dec. 27, 2020, 134 Stat. 2495.)

**Editorial Notes**

AMENDMENTS

2020—Pub. L. 116–260 amended section generally. Prior to amendment, section read as follows: “The Secretary shall expand the Department of Energy’s GeoPowering the West program to extend its geothermal technology transfer activities throughout the entire United States. The program shall be renamed ‘GeoPowering America’. The program shall continue to be based in the Department of Energy office in Golden, Colorado.”

**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.

**§§ 17199, 17200. Repealed. Pub. L. 116–260, div. Z, title III, §3002(i)(1), Dec. 27, 2020, 134 Stat. 2495**

Section 17199, Pub. L. 110–140, title VI, §620, Dec. 19, 2007, 121 Stat. 1683, related to educational pilot program.