

(1) the conduct of studies of market opportunities for component manufacturing of renewable energy systems;

(2) the conduct of multiyear applied research, development, demonstration, and deployment projects for advanced manufacturing processes, materials, and infrastructure for renewable energy systems; and

(3) other similar ventures, as approved by the Secretary, that promote advanced manufacturing of renewable technologies.

(f) Criteria and guidelines

The Secretary shall establish criteria and guidelines for the submission, evaluation, and funding of proposed projects under the Program.

(g) Cost sharing

Section 16352 of this title shall apply to a project carried out under this section.

(h) Disclosure

The Secretary may, for a period of up to 5 years after an award is granted under this section, exempt from mandatory disclosure under section 552 of title 5 (popularly known as the Freedom of Information Act) information that the Secretary determines would be a privileged or confidential trade secret or commercial or financial information under subsection (b)(4) of such section if the information had been obtained from a non-Government party.

(i) Sense of the Congress

It is the sense of the Congress that the Secretary should ensure that small businesses engaged in renewable manufacturing be given priority consideration for the assistance awards provided under this section.

(j) Authorization of appropriations

There is authorized to be appropriated out of funds already authorized to carry out this section \$25,000,000 for each of fiscal years 2008 through 2013, to remain available until expended.

(Pub. L. 110-140, title VI, § 656, Dec. 19, 2007, 121 Stat. 1703.)

SUBCHAPTER VI—CARBON CAPTURE AND SEQUESTRATION

PART A—CARBON CAPTURE AND SEQUESTRATION RESEARCH, DEVELOPMENT, AND DEMONSTRATION

§ 17251. Carbon capture

(a) Program establishment

(1) In general

The Secretary shall carry out a program to demonstrate technologies for the large-scale capture of carbon dioxide from industrial sources. In making awards under this program, the Secretary shall select, as appropriate, a diversity of capture technologies to address the need to capture carbon dioxide from a range of industrial sources.

(2) Scope of award

Awards under this section shall be only for the portion of the project that—

(A) carries out the large-scale capture (including purification and compression) of carbon dioxide from industrial sources;

(B) provides for the transportation and injection of carbon dioxide; and

(C) incorporates a comprehensive measurement, monitoring, and validation program.

(3) Preferences for award

To ensure reduced carbon dioxide emissions, the Secretary shall take necessary actions to provide for the integration of the program under this paragraph with the large-scale carbon dioxide sequestration tests described in section 16293(c)(3) of this title. These actions should not delay implementation of these tests. The Secretary shall give priority consideration to projects with the following characteristics:

(A) Capacity

Projects that will capture a high percentage of the carbon dioxide in the treated stream and large volumes of carbon dioxide as determined by the Secretary.

(B) Sequestration

Projects that capture carbon dioxide from industrial sources that are near suitable geological reservoirs and could continue sequestration including—

(i) a field testing validation activity under section 16293 of this title; or

(ii) other geologic sequestration projects approved by the Secretary.

(4) Requirement

For projects that generate carbon dioxide that is to be sequestered, the carbon dioxide stream shall be of a sufficient purity level to allow for safe transport and sequestration.

(5) Cost-sharing

The cost-sharing requirements of section 16352 of this title for research and development projects shall apply to this section.

(b) Authorization of appropriations

There is authorized to be appropriated to the Secretary to carry out this section \$200,000,000 per year for fiscal years 2009 through 2013.

(Pub. L. 110-140, title VII, § 703, Dec. 19, 2007, 121 Stat. 1708.)

SHORT TITLE

Subtitle A (§§701-708) of title VII of Pub. L. 110-140, which is classified principally to this part, is known as the “Department of Energy Carbon Capture and Sequestration Research, Development, and Demonstration Act of 2007”. See Short Title note set out under section 17001 of this title.

§ 17252. Review of large-scale programs

The Secretary shall enter into an arrangement with the National Academy of Sciences for an independent review and oversight, beginning in 2011, of the programs under section 16293(c)(3) of this title and under section 17251 of this title, to ensure that the benefits of such programs are maximized. Not later than January 1, 2012, the Secretary shall transmit to the Congress a report on the results of such review and oversight.

(Pub. L. 110-140, title VII, § 704, Dec. 19, 2007, 121 Stat. 1709.)