

(2) Clean coal technology plant

The term “clean coal technology plant” means the plant located near Healy, Alaska, constructed under Department cooperative agreement number DE-FC-22-91PC90544.

(3) Cost of a direct loan

The term “cost of a direct loan” has the meaning given the term in section 661a(5)(B) of title 2.

(b) Authorization

Subject to subsection (c), the Secretary shall use amounts made available under subsection (e) to provide the cost of a direct loan to the borrower for purposes of placing the clean coal technology plant into reliable operation for the generation of electricity.

(c) Requirements**(1) Maximum loan amount**

The amount of the direct loan provided under subsection (b) shall not exceed \$80,000,000.

(2) Determinations by Secretary

Before providing the direct loan to the borrower under subsection (b), the Secretary shall determine that—

(A) the plan of the borrower for placing the clean coal technology plant in reliable operation has a reasonable prospect of success;

(B) the amount of the loan (when combined with amounts available to the borrower from other sources) will be sufficient to carry out the project; and

(C) there is a reasonable prospect that the borrower will repay the principal and interest on the loan.

(3) Interest; term

The direct loan provided under subsection (b) shall bear interest at a rate and for a term that the Secretary determines appropriate, after consultation with the Secretary of the Treasury, taking into account the needs and capacities of the borrower and the prevailing rate of interest for similar loans made by public and private lenders.

(4) Additional terms and conditions

The Secretary may require any other terms and conditions that the Secretary determines to be appropriate.

(d) Use of payments

The Secretary shall retain any payments of principal and interest on the direct loan provided under subsection (b) to support energy research and development activities, to remain available until expended, subject to any other conditions in an applicable appropriations Act.

(e) Authorization of appropriations

There are authorized to be appropriated such sums as are necessary to provide the cost of a direct loan under subsection (b).

(Pub. L. 109-58, title IV, §412, Aug. 8, 2005, 119 Stat. 754.)

§ 15973. Western integrated coal gasification demonstration project**(a) In general**

Subject to the availability of appropriations, the Secretary shall carry out a project to dem-

onstrate production of energy from coal mined in the western United States using integrated gasification combined cycle technology (referred to in this section as the “demonstration project”).

(b) Components

The demonstration project—

(1) may include repowering of existing facilities;

(2) shall be designed to demonstrate the ability to use coal with an energy content of not more than 9,000 Btu/lb.; and

(3) shall be capable of removing and sequestering carbon dioxide emissions.

(c) All types of western coals

Notwithstanding the foregoing, and to the extent economically feasible, the demonstration project shall also be designed to demonstrate the ability to use a variety of types of coal (including subbituminous and bituminous coal with an energy content of up to 13,000 Btu/lb.) mined in the western United States.

(d) Location

The demonstration project shall be located in a western State at an altitude of greater than 4,000 feet above sea level.

(e) Cost sharing

The Federal share of the cost of the demonstration project shall be determined in accordance with section 16352 of this title.

(f) Loan guarantees

Notwithstanding subchapter XIII, the demonstration project shall not be eligible for Federal loan guarantees.

(Pub. L. 109-58, title IV, §413, Aug. 8, 2005, 119 Stat. 755.)

Editorial Notes

REFERENCES IN TEXT

Subchapter XIII, referred to in subsec. (f), was in the original “title XIV”, meaning title XIV of Pub. L. 109-58, Aug. 8, 2005, 119 Stat. 1061, which enacted subchapter XIII of this chapter and section 13557 of this title. For complete classification of title XIV to the Code, see Tables.

§ 15974. Coal gasification

The Secretary is authorized to provide loan guarantees for a project to produce energy from a plant using integrated gasification combined cycle technology of at least 400 megawatts in capacity that produces power at competitive rates in deregulated energy generation markets and that does not receive any subsidy (direct or indirect) from ratepayers.

(Pub. L. 109-58, title IV, §414, Aug. 8, 2005, 119 Stat. 755.)

§ 15975. Petroleum coke gasification

The Secretary is authorized to provide loan guarantees for at least 5 petroleum coke gasification projects.

(Pub. L. 109-58, title IV, §415, Aug. 8, 2005, 119 Stat. 756.)

§ 15976. Electron scrubbing demonstration

The Secretary shall use \$5,000,000 from amounts appropriated to initiate, through the

Chicago Operations Office, a project to demonstrate the viability of high-energy electron scrubbing technology on commercial-scale electrical generation using high-sulfur coal.

(Pub. L. 109–58, title IV, §416, Aug. 8, 2005, 119 Stat. 756.)

§ 15977. Department of Energy transportation fuels from Illinois basin coal

(a) In general

The Secretary shall carry out a program to evaluate the commercial and technical viability of advanced technologies for the production of Fischer-Tropsch transportation fuels, and other transportation fuels, manufactured from Illinois basin coal, including the capital modification of existing facilities and the construction of testing facilities under subsection (b).

(b) Facilities

For the purpose of evaluating the commercial and technical viability of different processes for producing Fischer-Tropsch transportation fuels, and other transportation fuels, from Illinois basin coal, the Secretary shall support the use and capital modification of existing facilities and the construction of new facilities at—

- (1) Southern Illinois University Coal Research Center;
- (2) University of Kentucky Center for Applied Energy Research; and
- (3) Energy Center at Purdue University.

(c) Gasification products test center

In conjunction with the activities described in subsections (a) and (b), the Secretary shall construct a test center to evaluate and confirm liquid and gas products from syngas catalysis in order that the system has an output of at least 500 gallons of Fischer-Tropsch transportation fuel per day in a 24-hour operation.

(d) Milestones

(1) Selection of processes

Not later than 180 days after August 8, 2005, the Secretary shall select processes for evaluating the commercial and technical viability of different processes of producing Fischer-Tropsch transportation fuels, and other transportation fuels, from Illinois basin coal.

(2) Agreements

Not later than 1 year after August 8, 2005, the Secretary shall offer to enter into agreements—

- (A) to carry out the activities described in this section, at the facilities described in subsection (b); and
- (B) for the capital modifications or construction of the facilities at the locations described in subsection (b).

(3) Evaluations

Not later than 3 years after August 8, 2005, the Secretary shall begin, at the facilities described in subsection (b), evaluation of the technical and commercial viability of different processes of producing Fischer-Tropsch transportation fuels, and other transportation fuels, from Illinois basin coal.

(4) Construction of facilities

(A) In general

The Secretary shall construct the facilities described in subsection (b) at the lowest cost practicable.

(B) Grants or agreements

The Secretary may make grants or enter into agreements or contracts with the institutions of higher education described in subsection (b).

(e) Cost sharing

The cost of making grants under this section shall be shared in accordance with section 16352 of this title.

(f) Authorization of appropriations

There is authorized to be appropriated to carry out this section \$85,000,000 for the period of fiscal years 2006 through 2010.

(Pub. L. 109–58, title IV, §417, Aug. 8, 2005, 119 Stat. 756.)

PART C—FEDERAL COAL LEASES

§ 15991. Inventory requirement

(a) Review of assessments

(1) In general

The Secretary of the Interior, in consultation with the Secretary of Agriculture and the Secretary, shall review coal assessments and other available data to identify—

- (A) Federal lands with coal resources that are available for development;
- (B) the extent and nature of any restrictions on the development of coal resources on Federal lands identified under paragraph (1); and
- (C) with respect to areas of such lands for which sufficient data exists, resources of compliant coal and supercompliant coal.

(2) Definitions

For purposes of this subsection—

- (A) the term “compliant coal” means coal that contains not less than 1.0 and not more than 1.2 pounds of sulfur dioxide per million Btu; and
- (B) the term “supercompliant coal” means coal that contains less than 1.0 pounds of sulfur dioxide per million Btu.

(b) Completion and updating of the inventory

The Secretary—

- (1) shall complete the inventory under subsection (a) by not later than 2 years after August 8, 2005; and
- (2) shall update the inventory as the availability of data and developments in technology warrant.

(c) Report

The Secretary shall submit to the Committee on Resources of the House of Representatives and to the Committee on Energy and Natural Resources of the Senate and make publicly available—

- (1) a report containing the inventory under this section, by not later than 2 years after the effective date of this section; and