

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 evalu-

ating 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