

**(b) Authority under agreement**

The Administrator shall be authorized to—

(1) accept from a refiner a consolidated application for all permits required from the Environmental Protection Agency, to the extent consistent with other applicable law;

(2) enter into memoranda of agreement with other Federal agencies to coordinate consideration of refinery applications and permits among Federal agencies; and

(3) enter into memoranda of agreement with a State, under which Federal and State review of refinery permit applications will be coordinated and concurrently considered, to the extent practicable.

**(c) State assistance**

The Administrator is authorized to provide financial assistance to State governments to facilitate the hiring of additional personnel with expertise in fields relevant to consideration of refinery permits.

**(d) Other assistance**

The Administrator is authorized to provide technical, legal, or other assistance to State governments to facilitate their review of applications to build new refineries.

(Pub. L. 109–58, title III, §392, Aug. 8, 2005, 119 Stat. 749.)

## SUBCHAPTER IV—COAL

## PART A—CLEAN COAL POWER INITIATIVE

**§ 15961. Authorization of appropriations****(a) Clean coal power initiative**

There are authorized to be appropriated to the Secretary to carry out the activities authorized by this part \$200,000,000 for each of fiscal years 2006 through 2014, to remain available until expended.

**(b) Report**

The Secretary shall submit to Congress the report required by this subsection not later than March 31, 2007. The report shall include, with respect to subsection (a), a plan containing—

(1) a detailed assessment of whether the aggregate funding levels provided under subsection (a) are the appropriate funding levels for that program;

(2) a detailed description of how proposals will be solicited and evaluated, including a list of all activities expected to be undertaken;

(3) a detailed list of technical milestones for each coal and related technology that will be pursued; and

(4) a detailed description of how the program will avoid problems enumerated in Government Accountability Office reports on the Clean Coal Technology Program, including problems that have resulted in unspent funds and projects that failed either financially or scientifically.

(Pub. L. 109–58, title IV, §401, Aug. 8, 2005, 119 Stat. 749.)

**§ 15962. Project criteria****(a) In general**

To be eligible to receive assistance under this part, a project shall advance efficiency, environ-

mental performance, and cost competitiveness well beyond the level of technologies that are in commercial service or have been demonstrated on a scale that the Secretary determines is sufficient to demonstrate that commercial service is viable as of August 8, 2005.

**(b) Technical criteria for clean coal power initiative****(1) Gasification projects****(A) In general**

In allocating the funds made available under section 15961(a) of this title, the Secretary shall ensure that at least 70 percent of the funds are used only to fund projects on coal-based gasification technologies, including—

- (i) gasification combined cycle;
- (ii) gasification fuel cells and turbine combined cycle;
- (iii) gasification coproduction;
- (iv) hybrid gasification and combustion; and
- (v) other advanced coal based technologies capable of producing a concentrated stream of carbon dioxide.

**(B) Technical milestones****(i) Periodic determination****(I) In general**

The Secretary shall periodically set technical milestones specifying the emission and thermal efficiency levels that coal gasification projects under this part shall be designed, and reasonably expected, to achieve.

**(II) Prescriptive milestones**

The technical milestones shall become more prescriptive during the period of the clean coal power initiative.

**(ii) 2020 goals**

The Secretary shall establish the periodic milestones so as to achieve by the year 2020 coal gasification projects able—

(I)(aa) to remove at least 99 percent of sulfur dioxide; or

(bb) to emit not more than 0.04 pound SO<sub>2</sub> per million Btu, based on a 30-day average;

(II) to emit not more than .05 lbs of NO<sub>x</sub> per million Btu;

(III) to achieve at least 95 percent reductions in mercury emissions; and

(IV) to achieve a thermal efficiency of at least—

(aa) 50 percent for coal of more than 9,000 Btu;

(bb) 48 percent for coal of 7,000 to 9,000 Btu; and

(cc) 46 percent for coal of less than 7,000 Btu.

**(2) Other projects****(A) Allocation of funds**

The Secretary shall ensure that up to 30 percent of the funds made available under section 15961(a) of this title are used to fund projects other than those described in paragraph (1).

**(B) Technical milestones****(i) Periodic determination****(I) In general**

The Secretary shall periodically establish technical milestones specifying the emission and thermal efficiency levels that projects funded under this paragraph shall be designed, and reasonably expected, to achieve.

**(II) Prescriptive milestones**

The technical milestones shall become more prescriptive during the period of the clean coal power initiative.

**(ii) 2020 goals**

The Secretary shall set the periodic milestones so as to achieve by the year 2020 projects able—

(I) to remove at least 97 percent of sulfur dioxide;

(II) to emit no more than .08 lbs of NO<sub>x</sub> per million Btu;

(III) to achieve at least 90 percent reductions in mercury emissions; and

(IV) to achieve a thermal efficiency of at least—

(aa) 43 percent for coal of more than 9,000 Btu;

(bb) 41 percent for coal of 7,000 to 9,000 Btu; and

(cc) 39 percent for coal of less than 7,000 Btu.

**(3) Consultation**

Before setting the technical milestones under paragraphs (1)(B) and (2)(B), the Secretary shall consult with—

(A) the Administrator of the Environmental Protection Agency; and

(B) interested entities, including—

(i) coal producers;

(ii) industries using coal;

(iii) organizations that promote coal or advanced coal technologies;

(iv) environmental organizations;

(v) organizations representing workers; and

(vi) organizations representing consumers.

**(4) Existing units**

In the case of projects at units in existence on August 8, 2005, in lieu of the thermal efficiency requirements described in paragraphs (1)(B)(ii)(IV) and (2)(B)(ii)(IV), the milestones shall be designed to achieve an overall thermal design efficiency improvement, compared to the efficiency of the unit as operated, of not less than—

(A) 7 percent for coal of more than 9,000 Btu;

(B) 6 percent for coal of 7,000 to 9,000 Btu; or

(C) 4 percent for coal of less than 7,000 Btu.

**(5) Administration****(A) Elevation of site**

In evaluating project proposals to achieve thermal efficiency levels established under paragraphs (1)(B)(i) and (2)(B)(i) and in de-

termining progress towards thermal efficiency milestones under paragraphs (1)(B)(ii)(IV), (2)(B)(ii)(IV), and (4), the Secretary shall take into account and make adjustments for the elevation of the site at which a project is proposed to be constructed.

**(B) Applicability of milestones**

In applying the thermal efficiency milestones under paragraphs (1)(B)(ii)(IV), (2)(B)(ii)(IV), and (4) to projects that separate and capture at least 50 percent of the potential emissions of carbon dioxide by a facility, the energy used for separation and capture of carbon dioxide shall not be counted in calculating the thermal efficiency.

**(C) Permitted uses**

In carrying out this section, the Secretary may give priority to projects that include, as part of the project—

(i) the separation or capture of carbon dioxide; or

(ii) the reduction of the demand for natural gas if deployed.

**(c) Financial criteria**

The Secretary shall not provide financial assistance under this part for a project unless the recipient documents to the satisfaction of the Secretary that—

(1) the recipient is financially responsible;

(2) the recipient will provide sufficient information to the Secretary to enable the Secretary to ensure that the funds are spent efficiently and effectively; and

(3) a market exists for the technology being demonstrated or applied, as evidenced by statements of interest in writing from potential purchasers of the technology.

**(d) Financial assistance**

The Secretary shall provide financial assistance to projects that, as determined by the Secretary—

(1) meet the requirements of subsections (a),

(b), and (c); and

(2) are likely—

(A) to achieve overall cost reductions in the use of coal to generate useful forms of energy or chemical feedstocks;

(B) to improve the competitiveness of coal among various forms of energy in order to maintain a diversity of fuel choices in the United States to meet electricity generation requirements; and

(C) to demonstrate methods and equipment that are applicable to 25 percent of the electricity generating facilities, using various types of coal, that use coal as the primary feedstock as of August 8, 2005.

**(e) Cost-sharing**

In carrying out this part, the Secretary shall require cost sharing in accordance with section 16352 of this title.

**(f) Scheduled completion of selected projects****(1) In general**

In selecting a project for financial assistance under this section, the Secretary shall establish a reasonable period of time during which

the owner or operator of the project shall complete the construction or demonstration phase of the project, as the Secretary determines to be appropriate.

**(2) Condition of financial assistance**

The Secretary shall require as a condition of receipt of any financial assistance under this part that the recipient of the assistance enter into an agreement with the Secretary not to request an extension of the time period established for the project by the Secretary under paragraph (1).

**(3) Extension of time period**

**(A) In general**

Subject to subparagraph (B), the Secretary may extend the time period established under paragraph (1) if the Secretary determines, in the sole discretion of the Secretary, that the owner or operator of the project cannot complete the construction or demonstration phase of the project within the time period due to circumstances beyond the control of the owner or operator.

**(B) Limitation**

The Secretary shall not extend a time period under subparagraph (A) by more than 4 years.

**(g) Fee title**

The Secretary may vest fee title or other property interests acquired under cost-share clean coal power initiative agreements under this part in any entity, including the United States.

**(h) Data protection**

For a period not exceeding 5 years after completion of the operations phase of a cooperative agreement, the Secretary may provide appropriate protections (including exemptions from subchapter II of chapter 5 of title 5) against the dissemination of information that—

(1) results from demonstration activities carried out under the clean coal power initiative program; and

(2) would be a trade secret or commercial or financial information that is privileged or confidential if the information had been obtained from and first produced by a non-Federal party participating in a clean coal power initiative project.

**(i) Applicability**

No technology, or level of emission reduction, solely by reason of the use of the technology, or the achievement of the emission reduction, by 1 or more facilities receiving assistance under this Act, shall be considered to be—

(1) adequately demonstrated for purposes of section 7411 of this title;

(2) achievable for purposes of section 7479 of this title; or

(3) achievable in practice for purposes of section 7501 of this title.

(Pub. L. 109–58, title IV, §402, Aug. 8, 2005, 119 Stat. 750; Pub. L. 110–140, title VI, §653, Dec. 19, 2007, 121 Stat. 1695.)

REFERENCES IN TEXT

This Act, referred to in subsec. (i), is Pub. L. 109–58, Aug. 8, 2005, 119 Stat. 594, as amended, known as the En-

ergy Policy Act of 2005, which enacted this chapter and enacted, amended, and repealed numerous other sections and notes in the Code. For complete classification of this Act to the Code, see Short Title note set out under section 15801 of this title and Tables.

AMENDMENTS

2007—Subsec. (b)(1)(B)(ii)(I). Pub. L. 110–140 added subcl. (I) and struck out former subcl. (I) which read as follows: “to remove at least 99 percent of sulfur dioxide;”.

EFFECTIVE DATE OF 2007 AMENDMENT

Amendment by Pub. L. 110–140 effective on the date that is 1 day after Dec. 19, 2007, see section 1601 of Pub. L. 110–140, set out as an Effective Date note under section 1824 of Title 2, The Congress.

**§ 15963. Report**

Not later than 1 year after August 8, 2005, and once every 2 years thereafter through 2014, the Secretary, in consultation with other appropriate Federal agencies, shall submit to Congress a report describing—

(1) the technical milestones set forth in section 15962 of this title and how those milestones ensure progress toward meeting the requirements of subsections (b)(1)(B) and (b)(2) of section 15962 of this title; and

(2) the status of projects funded under this part.

(Pub. L. 109–58, title IV, §403, Aug. 8, 2005, 119 Stat. 753.)

**§ 15964. Clean coal centers of excellence**

**(a) In general**

As part of the clean coal power initiative, the Secretary shall award competitive, merit-based grants to institutions of higher education for the establishment of centers of excellence for energy systems of the future.

**(b) Basis for grants**

The Secretary shall award grants under this section to institutions of higher education that show the greatest potential for advancing new clean coal technologies.

(Pub. L. 109–58, title IV, §404, Aug. 8, 2005, 119 Stat. 753.)

**§ 15965. Time limit for award; extension**

If a Clean Coal Power Initiative project selected after March 11, 2009, for negotiation under this or any other Act in any fiscal year, is not awarded within 2 years from the date the application was selected, negotiations shall cease and the Federal funds committed to the application shall be retained by the Department for future coal-related research, development and demonstration projects, except that the time limit may be extended at the Secretary’s discretion for matters outside the control of the applicant, or if the Secretary determines that extension of the time limit is in the public interest.

(Pub. L. 111–8, div. C, title III, Mar. 11, 2009, 123 Stat. 616.)

CODIFICATION

Section was enacted as part of the Energy and Water Development and Related Agencies Appropriations Act,