

(1) is required by any authority of Federal law, or

(2) is designed to protect public health, safety, or welfare, or the environment or conserve energy or is designed to mitigate the effects of emergencies resulting from fuel shortages.

**(b) Pooling study**

(1) The Commission, in consultation with the reliability councils established under section 202(a) of the Federal Power Act [16 U.S.C. 824a], the Secretary, and the electric utility industry shall study the opportunities for—

(A) conservation of energy,

(B) optimization in the efficiency of use of facilities and resources, and

(C) increased reliability,

through pooling arrangements. Not later than 18 months after November 9, 1978, the Commission shall submit a report containing the results of such study to the President and the Congress.

(2) The Commission may recommend to electric utilities that such utilities should voluntarily enter into negotiations where the opportunities referred to in paragraph (1) exist. The Commission shall report annually to the President and the Congress regarding any such recommendations and subsequent actions taken by electric utilities, by the Commission, and by the Secretary under this Act, the Federal Power Act [16 U.S.C. 791a et seq.], and any other provision of law. Such annual reports shall be included in the Commission's annual report required under the Department of Energy Organization Act [42 U.S.C. 7101 et seq.].

(Pub. L. 95-617, title II, §205, Nov. 9, 1978, 92 Stat. 3140.)

REFERENCES IN TEXT

This Act, referred to in subsec. (b)(2), means Pub. L. 95-617, Nov. 9, 1978, 92 Stat. 3117, known as the "Public Utility Regulatory Policies Act of 1978". For complete classification of this Act to the Code, see Short Title note set out under section 2601 of this title and Tables.

The Federal Power Act, referred to in subsec. (b)(2), is act June 10, 1920, ch. 285, 41 Stat. 1063, as amended, which is classified generally to this chapter. For complete classification of this Act to the Code, see section 791a of this title and Tables.

The Department of Energy Organization Act, referred to in subsec. (b)(2), is Pub. L. 95-91, Aug. 4, 1977, 91 Stat. 565, as amended, which is classified principally to chapter 84 (§7101 et seq.) of Title 42, The Public Health and Welfare. For complete classification of this Act to the Code, see Short Title note set out under section 7101 of Title 42 and Tables.

CODIFICATION

Section was enacted as part of the Public Utility Regulatory Policies Act of 1978, and not as part of the Federal Power Act which generally comprises this chapter.

DEFINITIONS

For definitions of terms used in this section, see section 2602 of this title.

**§ 824a-2. Reliability**

**(a) Study**

(1) The Secretary, in consultation with the Commission, shall conduct a study with respect to—

(A) the level of reliability appropriate to adequately serve the needs of electric consumers, taking into account cost effectiveness and the need for energy conservation,

(B) the various methods which could be used in order to achieve such level of reliability and the cost effectiveness of such methods, and

(C) the various procedures that might be used in case of an emergency outage to minimize the public disruption and economic loss that might be caused by such an outage and the cost effectiveness of such procedures.

Such study shall be completed and submitted to the President and the Congress not later than 18 months after November 9, 1978. Before such submittal the Secretary shall provide an opportunity for public comment on the results of such study.

(2) The study under paragraph (1) shall include consideration of the following:

(A) the cost effectiveness of investments in each of the components involved in providing adequate and reliable electric service, including generation, transmission, and distribution facilities, and devices available to the electric consumer;

(B) the environmental and other effects of the investments considered under subparagraph (A);

(C) various types of electric utility systems in terms of generation, transmission, distribution and customer mix, the extent to which differences in reliability levels may be desirable, and the cost-effectiveness of the various methods which could be used to decrease the number and severity of any outages among the various types of systems;

(D) alternatives to adding new generation facilities to achieve such desired levels of reliability (including conservation);

(E) the cost-effectiveness of adding a number of small, decentralized conventional and non-conventional generating units rather than a small number of large generating units with a similar total megawatt capacity for achieving the desired level of reliability; and

(F) any standards for electric utility reliability used by, or suggested for use by, the electric utility industry in terms of cost-effectiveness in achieving the desired level of reliability, including equipment standards, standards for operating procedures and training of personnel, and standards relating the number and severity of outages to periods of time.

**(b) Examination of reliability issues by reliability councils**

The Secretary, in consultation with the Commission, may, from time to time, request the reliability councils established under section 202(a) of the Federal Power Act [16 U.S.C. 824a(a) of this title] or other appropriate persons (including Federal agencies) to examine and report to him concerning any electric utility reliability issue. The Secretary shall report to the Congress (in its annual report or in the report required under subsection (a) if appropriate) the results of any examination under the preceding sentence.

**(c) Department of Energy recommendations**

The Secretary, in consultation with the Commission, and after opportunity for public com-

ment, may recommend industry standards for reliability to the electric utility industry, including standards with respect to equipment, operating procedures and training of personnel, and standards relating to the level or levels of reliability appropriate to adequately and reliably serve the needs of electric consumers. The Secretary shall include in his annual report—

- (1) any recommendations made under this subsection or any recommendations respecting electric utility reliability problems under any other provision of law, and
- (2) a description of actions taken by electric utilities with respect to such recommendations.

(Pub. L. 95-617, title II, §209, Nov. 9, 1978, 92 Stat. 3143.)

#### CODIFICATION

Section was enacted as part of the Public Utility Regulatory Policies Act of 1978, and not as part of the Federal Power Act which generally comprises this chapter.

#### DEFINITIONS

For definitions of terms used in this section, see section 2602 of this title.

### § 824a-3. Cogeneration and small power production

#### (a) Cogeneration and small power production rules

Not later than 1 year after November 9, 1978, the Commission shall prescribe, and from time to time thereafter revise, such rules as it determines necessary to encourage cogeneration and small power production, and to encourage geothermal small power production facilities of not more than 80 megawatts capacity, which rules require electric utilities to offer to—

- (1) sell electric energy to qualifying cogeneration facilities and qualifying small power production facilities<sup>1</sup> and
- (2) purchase electric energy from such facilities.

Such rules shall be prescribed, after consultation with representatives of Federal and State regulatory agencies having ratemaking authority for electric utilities, and after public notice and a reasonable opportunity for interested persons (including State and Federal agencies) to submit oral as well as written data, views, and arguments. Such rules shall include provisions respecting minimum reliability of qualifying cogeneration facilities and qualifying small power production facilities (including reliability of such facilities during emergencies) and rules respecting reliability of electric energy service to be available to such facilities from electric utilities during emergencies. Such rules may not authorize a qualifying cogeneration facility or qualifying small power production facility to make any sale for purposes other than resale.

#### (b) Rates for purchases by electric utilities

The rules prescribed under subsection (a) shall insure that, in requiring any electric utility to offer to purchase electric energy from any quali-

ifying cogeneration facility or qualifying small power production facility, the rates for such purchase—

- (1) shall be just and reasonable to the electric consumers of the electric utility and in the public interest, and
- (2) shall not discriminate against qualifying cogenerators or qualifying small power producers.

No such rule prescribed under subsection (a) shall provide for a rate which exceeds the incremental cost to the electric utility of alternative electric energy.

#### (c) Rates for sales by utilities

The rules prescribed under subsection (a) shall insure that, in requiring any electric utility to offer to sell electric energy to any qualifying cogeneration facility or qualifying small power production facility, the rates for such sale—

- (1) shall be just and reasonable and in the public interest, and
- (2) shall not discriminate against the qualifying cogenerators or qualifying small power producers.

#### (d) “Incremental cost of alternative electric energy” defined

For purposes of this section, the term “incremental cost of alternative electric energy” means, with respect to electric energy purchased from a qualifying cogenerator or qualifying small power producer, the cost to the electric utility of the electric energy which, but for the purchase from such cogenerator or small power producer, such utility would generate or purchase from another source.

#### (e) Exemptions

(1) Not later than 1 year after November 9, 1978, and from time to time thereafter, the Commission shall, after consultation with representatives of State regulatory authorities, electric utilities, owners of cogeneration facilities and owners of small power production facilities, and after public notice and a reasonable opportunity for interested persons (including State and Federal agencies) to submit oral as well as written data, views, and arguments, prescribe rules under which geothermal small power production facilities of not more than 80 megawatts capacity, qualifying cogeneration facilities, and qualifying small power production facilities are exempted in whole or part from the Federal Power Act [16 U.S.C. 791a et seq.], from the Public Utility Holding Company Act,<sup>2</sup> from State laws and regulations respecting the rates, or respecting the financial or organizational regulation, of electric utilities, or from any combination of the foregoing, if the Commission determines such exemption is necessary to encourage cogeneration and small power production.

(2) No qualifying small power production facility (other than a qualifying small power production facility which is an eligible solar, wind, waste, or geothermal facility as defined in section 3(17)(E) of the Federal Power Act [16 U.S.C. 796(17)(E)]) which has a power production capacity which, together with any other facilities lo-

<sup>1</sup> So in original. Probably should be followed by a comma.

<sup>2</sup> See References in Text note below.