

transmission projects funded pursuant to this section shall be treated as revenue to the existing power system that provided the ancillary services.

**(d) Certification**

**(1) In general**

For each project in which the Western Area Power Administration participates pursuant to this section, the Administrator shall certify, prior to committing funds for any such project, that—

- (A) the project is in the public interest;
- (B) the project will not adversely impact system reliability or operations, or other statutory obligations; and
- (C) it is reasonable to expect that the proceeds from the project shall be adequate to make repayment of the loan.

**(2) Forgiveness of balances**

**(A) In general**

If, at the end of the useful life of a project, there is a remaining balance owed to the Treasury under this section, the balance shall be forgiven.

**(B) Unconstructed projects**

Funds expended to study projects that are considered pursuant to this section but that are not constructed shall be forgiven.

**(C) Notification**

The Administrator shall notify the Secretary of such amounts as are to be forgiven under this paragraph.

**(e) Public processes**

**(1) Policies and practices**

Prior to requesting any loans under this section, the Administrator shall use a public process to develop practices and policies that implement the authority granted by this section.

**(2) Requests for interest**

In the course of selecting potential projects to be funded under this section, the Administrator shall seek Requests For Interest from entities interested in identifying potential projects through one or more notices published in the Federal Register.

(Pub. L. 98-381, title III, §301, as added Pub. L. 111-5, div. A, title IV, §402, Feb. 17, 2009, 123 Stat. 141.)

**Editorial Notes**

CODIFICATION

Section was enacted as part of the Hoover Power Plant Act of 1984, and not as part of the Electricity Modernization Act of 2005, which comprises this subchapter, or the Energy Policy Act of 2005, which comprises this chapter.

**§ 16422. Advanced transmission technologies**

**(a) Definition of advanced transmission technology**

In this section, the term “advanced transmission technology” means a technology that increases the capacity, efficiency, or reliability

of an existing or new transmission facility, including—

- (1) high-temperature lines (including superconducting cables);
- (2) underground cables;
- (3) advanced conductor technology (including advanced composite conductors, high-temperature low-sag conductors, and fiber optic temperature sensing conductors);
- (4) high-capacity ceramic electric wire, connectors, and insulators;
- (5) optimized transmission line configurations (including multiple phased transmission lines);
- (6) modular equipment;
- (7) wireless power transmission;
- (8) ultra-high voltage lines;
- (9) high-voltage DC technology;
- (10) flexible AC transmission systems;
- (11) energy storage devices (including pumped hydro, compressed air, superconducting magnetic energy storage, flywheels, and batteries);
- (12) controllable load;
- (13) distributed generation (including PV, fuel cells, and microturbines);
- (14) enhanced power device monitoring;
- (15) direct system state sensors;
- (16) fiber optic technologies;
- (17) power electronics and related software (including real time monitoring and analytical software);
- (18) mobile transformers and mobile substations; and
- (19) any other technologies the Commission considers appropriate.

**(b) Authority**

In carrying out the Federal Power Act (16 U.S.C. 791a et seq.) and the Public Utility Regulatory Policies Act of 1978 (16 U.S.C. 2601 et seq.), the Commission shall encourage, as appropriate, the deployment of advanced transmission technologies.

(Pub. L. 109-58, title XII, §1223, Aug. 8, 2005, 119 Stat. 953.)

**Editorial Notes**

REFERENCES IN TEXT

The Federal Power Act, referred to in subsec. (b), is act June 10, 1920, ch. 285, 41 Stat. 1063, which is classified generally to chapter 12 (§791a et seq.) of Title 16, Conservation. For complete classification of this Act to the Code, see section 791a of Title 16 and Tables.

The Public Utility Regulatory Policies Act of 1978, referred to in subsec. (b), is Pub. L. 95-617, Nov. 9, 1978, 92 Stat. 3117. For complete classification of this Act to the Code, see Short Title note set out under section 2601 of Title 16, Conservation, and Tables.

**§ 16423. Advanced Power System Technology Incentive Program**

**(a) Program**

The Secretary is authorized to establish an Advanced Power System Technology Incentive Program to support the deployment of certain advanced power system technologies and to improve and protect certain critical governmental, industrial, and commercial processes. Funds provided under this section shall be used by the