

within eligible States may apply for planning, implementation and/or training efforts (list of eligible States and activities to be supported in any given year as well as cost-sharing requirements are available from the program office). Separate applications for planning/implementation and graduate traineeships are required. Planning/implementation applications must contain information that details development of a State-wide improvement plan for energy-related research and human resources, while training grant applications must detail the need for energy-related specific and technical educational disciplines.

(e) *Nuclear Engineering Research*

The objective of this program is to support research efforts aimed at strengthening University-based nuclear engineering programs. Specific areas of basic and applied research of interest include, but are not limited to: (1) Material behavior in a radiation environment typical of advanced nuclear power plants; (2) real-time instrumentation that identifies and applies innovative measurements technologies in nuclear-related fields; (3) advanced nuclear reactor concepts; (4) applied nuclear sciences that address improvements in the applications of radiation and the understanding of the interaction of radiation with matter; (5) engineering science research applicable to advanced nuclear reactor concepts, industry safety and reliability concerns; (6) neutronics that address improvements in reactor computational methodologies and knowledge of the basic fission processes; and (7) nuclear thermal hydraulics that address improvements of models and analysis of thermal hydraulic behavior in an advanced nuclear reactor system.

(f) *Used Energy-Related Laboratory Equipment (ERIE) Program*

In accordance with DOE's responsibility to encourage research and development in the energy area, grants of used energy-related laboratory equipment for use in energy-oriented educational programs in the life, physical and environmental sciences, and engineering are available to universities, colleges and other non-profit educational institutions of higher learning in the United States. An institution is not required to have a current DOE grant or contract in order to participate in this program. The program office should be contacted for specific information on how to access the list of eligible equipment under this program. The cost of care and handling incident to the grant must be borne by the institution.

9. PROGRAM ANALYSIS

The Office of Program Analysis conducts assessments to identify research opportuni-

ties in specific areas of interest to DOE programs.

**PART 609—LOAN GUARANTEES FOR PROJECTS THAT EMPLOY INNOVATIVE TECHNOLOGIES**

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AUTHORITY: 42 U.S.C. 7254, 16511–16514.

SOURCE: 74 FR 63549, Dec. 4, 2009, unless otherwise noted.

**§ 609.1 Purpose and scope.**

(a) This part sets forth the policies and procedures that DOE uses for receiving, evaluating, and, after consultation with the Department of the Treasury, approving applications for loan guarantees to support Eligible Projects under Section 1703 of Title XVII of the Energy Policy Act of 2005, as amended.

(b) Except as set forth in paragraph (c) of this section, this part applies to all Pre-Applications, Applications, Conditional Commitments and Loan Guarantee Agreements to support Eligible Projects under Section 1703 of Title XVII of the Energy Policy Act of 2005, as amended.

(c) Sections 609.3, 609.4 and 609.5 of this part shall not apply to any Pre-Applications, Applications, Conditional Commitments or Loan Guarantee Agreements submitted, or entered into,

as applicable, on or before December 31, 2007; provided, that DOE accepted the Pre-Application and invited an Application pursuant to such Pre-Application.

(d) Part 1024 of chapter X of title 10 of the Code of Federal Regulations shall not apply to actions taken under this part.

#### § 609.2 Definitions.

*Act* means Title XVII of the Energy Policy Act of 2005 (42 U.S.C. 16511-16514), as amended.

*Administrative Cost of Issuing a Loan Guarantee* means the total of all administrative expenses that DOE incurs during:

(1) The evaluation of a Pre-Application, if a Pre-Application is requested in a solicitation, and an Application for a loan guarantee;

(2) The offering of a Term Sheet, executing the Conditional Commitment, negotiation, and closing of a Loan Guarantee Agreement; and

(3) The servicing and monitoring of a Loan Guarantee Agreement, including during the construction, startup, commissioning, shakedown, and operational phases of an Eligible Project.

*Applicant* means any person, firm, corporation, company, partnership, association, society, trust, joint venture, joint stock company, or other business entity or governmental non-Federal entity that has submitted an Application to DOE and has the authority to enter into a Loan Guarantee Agreement with DOE under the Act.

*Application* means a comprehensive written submission in response to a solicitation or a written invitation from DOE to apply for a loan guarantee pursuant to § 609.6 of this part.

*Borrower* means any Applicant who enters into a Loan Guarantee Agreement with DOE and issues Guaranteed Obligations.

*Commercial Technology* means a technology in general use in the commercial marketplace in the United States at the time the Term Sheet is issued by DOE. A technology is in general use if it has been installed in and is being used in three or more commercial projects in the United States in the same general application as in the proposed project, and has been in oper-

ation in each such commercial project for a period of at least five years. The five-year period shall be measured, for each project, starting on the in service date of the project or facility employing that particular technology. For purposes of this section, commercial projects include projects that have been the recipients of a loan guarantee from DOE under this part.

*Conditional Commitment* means a Term Sheet offered by DOE and accepted by the Applicant, with the understanding of the parties that if the Applicant thereafter satisfies all specified and precedent funding obligations and all other contractual, statutory and regulatory requirements, or other requirements, DOE and the Applicant will execute a Loan Guarantee Agreement: Provided that the Secretary may terminate a Conditional Commitment for any reason at any time prior to the execution of the Loan Guarantee Agreement; and Provided further that the Secretary may not delegate this authority to terminate a Conditional Commitment.

*Contracting Officer* means the Secretary of Energy or a DOE official authorized by the Secretary to enter into, administer and/or terminate DOE Loan Guarantee Agreements and related contracts on behalf of DOE.

*Credit Subsidy Cost* has the same meaning as "cost of a loan guarantee" in section 502(5)(C) of the Federal Credit Reform Act of 1990 (2 U.S.C. 661a(5)(C)), which is the net present value, at the time the Loan Guarantee Agreement is executed, of the following estimated cash flows, discounted to the point of disbursement:

(1) Payments by the Government to cover defaults and delinquencies, interest subsidies, or other payments; less

(2) Payments to the Government including origination and other fees, penalties, and recoveries; including the effects of changes in loan or debt terms resulting from the exercise by the Borrower, Eligible Lender or other Holder of an option included in the Loan Guarantee Agreement.

*DOE* means the United States Department of Energy.

*Eligible lender* means:

(1) Any person or legal entity formed for the purpose of, or engaged in the