

§ 1730.60

7 CFR Ch. XVII (1-1-18 Edition)

- 1. Power Supplier \_\_\_\_\_
- 2. Major Storm \_\_\_\_\_
- 3. Scheduled \_\_\_\_\_
- 4. All Other \_\_\_\_\_
- 5. Total \_\_\_\_\_  
Rating: \_\_\_\_\_
- b. Emergency Restoration Plan—Rating: \_\_\_\_\_
- 8. Power Quality  
General Freedom from Complaints—Rating: \_\_\_\_\_
- 9. Loading and Load Balance
  - a. Distribution Transformer Loading—Rating: \_\_\_\_\_
  - b. Load Control Apparatus—Rating: \_\_\_\_\_
  - c. Substation and Feeder Loading—Rating: \_\_\_\_\_
- 10. Maps and Plant Records
  - a. Operating Maps: Accurate and Up-to-Date—Rating: \_\_\_\_\_
  - b. Circuit Diagrams—Rating: \_\_\_\_\_
  - c. Staking Sheets—Rating: \_\_\_\_\_

PART III—ENGINEERING

- 11. System Load Conditions and Losses
  - a. Annual System Losses, \_\_\_\_\_ %—Rating: \_\_\_\_\_
  - b. Annual Load Factor, \_\_\_\_\_ %—Rating: \_\_\_\_\_
  - c. Power Factor at Monthly Peak, \_\_\_\_\_ %—Rating: \_\_\_\_\_
  - d. Ratio of Individual Substation Peak kW to kVA, \_\_\_\_\_—Rating: \_\_\_\_\_
- 12. Voltage Conditions
  - a. Voltage Surveys—Rating: \_\_\_\_\_
  - b. Substation Transformer Output Voltage Spread—Rating: \_\_\_\_\_
- 13. Load Studies and Planning
  - a. Long Range Engineering Plan—Rating: \_\_\_\_\_
  - b. Construction Work Plan—Rating: \_\_\_\_\_
  - c. Sectionalizing Study—Rating: \_\_\_\_\_
  - d. Load Data for Engineering Studies—Rating: \_\_\_\_\_
  - e. Load Forecasting Data—Rating: \_\_\_\_\_
  - f. Energy Efficiency and Conservation Program quality assurance compliance—Rating: \_\_\_\_\_

PART IV—OPERATION AND MAINTENANCE BUDGETS

For Previous 2 Years:

Normal Operation—Actual \$ \_\_\_\_\_  
 Normal Maintenance—Actual \$ \_\_\_\_\_  
 Total—Actual \$ \_\_\_\_\_

For Present Year:

Normal Operation—Budget \$ \_\_\_\_\_  
 Normal Maintenance—Budget \$ \_\_\_\_\_  
 Total—Budget \$ \_\_\_\_\_

For Future 3 Years:

Normal Operation—Budget \$ \_\_\_\_\_  
 Normal Maintenance—Budget \$ \_\_\_\_\_  
 Additional (Deferred) Maintenance—Budget \$ \_\_\_\_\_

- Total—Budget \$ \_\_\_\_\_
- 14. Budgeting:  
Adequacy of Budgets For Needed Work—Rating: \_\_\_\_\_
- 15. Date Discussed with Board of Directors \_\_\_\_\_

Remarks: \_\_\_\_\_

EXPLANATORY NOTES

Item No. \_\_\_\_\_ Comments \_\_\_\_\_  
 Rated by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Reviewed by \_\_\_\_\_ Manager \_\_\_\_\_ Date \_\_\_\_\_

Reviewed by \_\_\_\_\_ RUS GFR \_\_\_\_\_ Date \_\_\_\_\_

[63 FR 3450, Jan. 23, 1998, as amended at 78 FR 73371, Dec. 5, 2013]

Subpart C—Interconnection of Distributed Resources

SOURCE: 74 FR 32409, July 8, 2009, unless otherwise noted.

§ 1730.60 General.

Each electric program distribution borrower (as defined in §1710.2) is responsible for establishing and maintaining a written standard policy relating to the Interconnection of Distributed Resources (IDR) having an installed capacity of not more than 10 megavolt amperes (MVA) at the point of common coupling.

§ 1730.61 RUS policy.

The Distributed Resource facility must not cause significant degradation of the safety, power quality, or reliability on the borrower’s electric power system or other electric power systems interconnected to the borrower’s electric power system. The Agency encourages borrowers to consider model policy templates developed by knowledgeable and expert institutions, such as, but not limited to the National Association of Regulatory Utility Commissioners, the Federal Energy Regulatory Commission and the National Rural Electric Cooperative Association. The Agency encourages all related electric borrowers to cooperate in the development of a common Distributed Resource policy.

§ 1730.62 Definitions.

“Distributed resources” as used in this subpart means sources of electric

power that are not directly connected to a bulk power transmission system, having an installed capacity of not more than 10 MVA, connected to the borrower's electric power system through a point of common coupling. Distributed resources include both generators and energy storage technologies.

"Responsible party" as used in this subpart means the owner, operator or any other person or entity that is accountable to the borrower under the borrower's interconnection policy for Distributed Resources.

#### § 1730.63 IDR policy criteria.

(a) *General.* (1) The borrower's IDR policy and procedures shall be readily available to the public and include, but not limited to, a standard application, application process, application fees, and agreement.

(2) All costs to be recovered from the applicant regarding the application process or the actual interconnection and the process to determine the costs are to be clearly explained to the applicant and authorized by the applicant prior to the borrower incurring these costs. The borrower may require separate non-refundable deposits sufficient to insure serious intent by the applicant prior to proceeding either with the application or actual interconnection process.

(3) IDR policies must be approved by the borrower's Board of Directors.

(4) The borrower may establish a new rate classification for customers with Distributed Resources.

(5) IDR policies must provide for reconsideration and updates every five years or more frequently as circumstances warrant.

(b) *Technical requirements.* (1) IDR policies must be consistent with prudent electric utility practice.

(2) IDR policies must incorporate the Institute of Electrical and Electronic Engineers (IEEE): IEEE 1547™—Standard for Interconnecting Distributed Resources with Electric Power Systems, approved June 12, 2003, and IEEE 1547.1™—Standard Conformance Test Procedures for Equipment Interconnecting Distributed Resources with Electric Power Systems, approved June 9, 2005. Copies of the IEEE Standards

1547™ and 1547.1™ may be obtained from the IEEE Operations Center, 445 Hoes Lane, Piscataway, NJ 08854-4141, telephone 1-800-678-4333 or online at <http://www.standards.ieee.org>. Copies of the material are available for inspection during normal business hours at RUS, Room 1265, U.S. Department of Agriculture, Washington, DC 20250. Telephone (202) 720-3720, e-mail [Donald.Junta@wdc.usda.gov](mailto:Donald.Junta@wdc.usda.gov), or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: [http://www.archives.gov/federal\\_register/code\\_of\\_federal\\_regulations/ibr\\_locations.html](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html).

(3) IDR policies must provide for appropriate electric power system disconnect facilities, as determined by the borrower, which shall include a lockable disconnect and a visible open, that are readily accessible to and operable by authorized personnel at all times.

(4) IDR policies must provide for borrower access to the Distributed Resources facility during normal business hours and all emergency situations.

(c) *Responsible Party obligations.* IDR policies must provide for appropriate Responsible Parties to assume the following risks and responsibilities:

(1) A Responsible Party must agree to maintain appropriate liability insurance as outlined in the borrower's interconnection policy.

(2) A Responsible Party must be responsible for the Distributed Resources compliance with all national, State, local government requirements and electric utility standards for the safety of the public and personnel responsible for utility electric power system operations, maintenance and repair.

(3) A Responsible Party must be responsible for the safe and effective operation and maintenance of the facility.

(4) Only Responsible Parties may apply for interconnection and the Responsible Party must demonstrate that the facility will be capably developed, constructed and operated, maintained, and repaired.

#### § 1730.64 Power purchase agreements.

Nothing in this subpart requires the borrower to enter into purchase power