

## Rural Utilities Service, USDA

## § 1710.252

improvements replacements, and retirements of any generation plant. Construction of new generation capacity need not be included in a CWP but must be specified and supported by specific engineering and cost studies. (See §1710.253.)

(b) A distribution borrower's CWP shall cover a construction period of between 2 and 4 years, and include all facilities to be constructed which are eligible for RUS financing, whether or not RUS financial assistance will be sought or be available for certain facilities. Any RUS financing provided for the facilities will be limited to a 4 year loan period. The construction period covered by a CWP in support of a loan application shall not be shorter than the loan period requested for financing of the facilities.

(c) The facilities, equipment and other items included in a distribution borrower's CWP may include:

(1) Line extensions required to connect consumers, improve service reliability or improve voltage conditions;

(2) Distribution tie lines to improve reliability of service and voltage regulation;

(3) Line conversions and changes required to improve existing services or provide additional capacity for new consumers;

(4) New substation facilities or additions to existing substations;

(5) Transmission and substation facilities required to support the distribution system;

(6) Distribution equipment required to serve new consumers or to provide adequate and dependable service to existing consumers, including replacement of existing plant facilities;

(7) Residential security lights;

(8) Communications equipment and meters;

(9) Headquarters facilities;

(10) Improvements, replacements, and retirements of generation facilities;

(11) Load management equipment, automatic sectionalizing facilities, and centralized System Control and Data Acquisition equipment. Load management equipment eligible for financing, including the related costs of installation, is limited to capital equipment designed to influence the time and manner of consumer use of electricity,

which includes peak clipping and load shifting. To be eligible for financing, such equipment must be owned by the borrower, although it may be located inside or outside a consumer's premises; and

(12) The cost of engineering, architectural, environmental and other studies and plans needed to support the construction of facilities, when such cost is capitalized as part of the cost of the facilities.

[57 FR 1053, Jan. 9, 1992; 57 FR 4513, Feb. 5, 1992, as amended at 60 FR 3731, Jan. 19, 1995; 60 FR 67405, Dec. 29, 1995]

### § 1710.252 Construction work plans— power supply borrowers.

(a) All power supply borrowers must maintain a current CWP approved by the borrower's board of directors covering all new construction, improvements, replacements, and retirements of distribution and transmission plant, and improvements, replacements, and retirements of generation plant. Applications for RUS financial assistance for such facilities must be supported by a current, RUS-approved CWP. Construction of new generation capacity need not be included in a CWP but must be specified and supported by specific engineering and cost studies.

(b) Normally a power supply borrower's CWP shall cover a period of 3 to 4 years. While comprehensive CWP's are desired, if there are extenuating circumstances RUS may accept a single-purpose transmission or generation CWP in support of a loan application or budget reclassification. The construction period covered by a CWP in support of a loan application shall not be shorter than the loan period requested for financing of the facilities.

(c) Facilities, equipment, and other items included in a power supply borrower's CWP may include:

(1) Distribution and related facilities as set forth in §1710.251(c);

(2) Transmission facilities required to deliver the power needed to serve the existing and planned new loads of the borrower and its members, and to improve service reliability, including tie lines for improved reliability of service, line conversions, improvements and replacements, new substations and substation improvements

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and replacements, and Systems Control and Data Acquisition equipment, including communications, dispatching and sectionalizing equipment, and load management equipment;

(3) The borrower's proportionate share of transmission facilities required to tie together the operating systems of supporting power pools and to connect with adjacent power suppliers;

(4) Improvements and replacements of generation facilities; and

(5) The cost of engineering, architectural, environmental and other studies and plans needed to support the construction of facilities, when such cost is capitalized as part of the cost of the facilities.

(d) A CWP for transmission facilities shall normally include studies of load flows, voltage regulation, and stability characteristics to demonstrate system performance and needs.

[57 FR 1053, Jan. 9, 1992, as amended at 60 FR 3731, Jan. 19, 1995; 60 FR 67405, Dec. 29, 1995]

**§ 1710.253 Engineering and cost studies—addition of generation capacity.**

(a) The construction or purchase of additional generation capacity and associated transmission facilities by a power supply or distribution borrower, including the replacement of existing capacity, shall be supported by comprehensive project-specific engineering and cost studies as specified by RUS. The studies shall cover a period from the beginning of the project to at least 10 years after the start of commercial operation of the facilities.

(b) The studies must include comprehensive economic present-value analyses of the costs and revenues of the available self-generation, load management, energy conservation, and purchased-power options, including assessments of service reliability and financing requirements and risks. Requirements for analyzing purchased-power options are set forth in §1710.254.

(c) Generally, studies of self-generation, load management, and energy conservation options shall include, as appropriate, analyses of:

- (1) Capital and operating costs;
- (2) Financing requirements and risks;
- (3) System reliability;

- (4) Alternative unit sizes;
- (5) Alternative types of generation;
- (6) Fuel alternatives;
- (7) System stability;
- (8) Load flows; and
- (9) System dispatching.

(d) At the request of a borrower, RUS, in its sole discretion, may waive specific requirements of this section if such requirements imposed a substantial burden on the borrower and if such waiver will not significantly affect the accomplishment of the objectives of this subpart.

**§ 1710.254 Alternative sources of power.**

(a) *General.* (1) RUS will make loans to finance the construction of generation facilities by distribution or power supply borrowers and transmission facilities by power supply borrowers only under the following conditions if said borrowers do not already own and operate such types of facilities:

(i) Where no adequate and dependable source of power is available to meet the consumers' needs; or

(ii) Where the rates offered by other power sources would result in a higher cost of power to the consumers than the cost from facilities financed by RUS, and the amount of the power cost savings that would result from the RUS-financed facilities bears a significant relationship to the amount of the proposed loan.

(2) If a borrower already owns and operates the types of facilities included in a loan request, then a loan for the purposes contained in paragraph (a)(1) of this section, as well as for the construction of transmission facilities by a distribution borrower, will be considered and evaluated by RUS in terms of whether the proposed facilities constitute an effective and economical means of meeting the power requirements of the consumers. A borrower shall contact RUS as soon as practicable in order for RUS to review information submitted by the borrower and advise the borrower, in writing, whether there is a need for the borrower to investigate and seek alternative sources of power. RUS will determine, based on information provided by the borrower or otherwise available, whether there is a need to investigate