

7849.0250 PROPOSED LEGF AND ALTERNATIVES APPLICATION.

An application for a proposed LEGF must include:

- A. a description of the facility, including:
 - (1) the nominal generating capability of the facility, as well as a discussion of the effect of the economies of scale on the facility size and timing;
 - (2) a description of the anticipated operating cycle, including the expected annual capacity factor;
 - (3) the type of fuel used, including the reason for the choice of fuel, projection of the availability of this fuel type over the projected life of the facility, and alternate fuels, if any;
 - (4) the anticipated heat rate of the facility; and
 - (5) to the fullest extent known to the applicant, the anticipated areas where the proposed facility could be located;
- B. a discussion of the availability of alternatives to the facility, including but not limited to:
 - (1) purchased power;
 - (2) increased efficiency of existing facilities, including transmission lines;
 - (3) new transmission lines;
 - (4) new generating facilities of a different size or using a different energy source (fuel oil, natural gas, coal, nuclear fission, and the emergent technologies); and
 - (5) any reasonable combinations of the alternatives listed in subitems (1) to (4);
- C. for the proposed facility and for each of the alternatives provided in response to item B that could provide electric power at the asserted level of need, a discussion of:
 - (1) its capacity cost in current dollars per kilowatt;
 - (2) its service life;
 - (3) its estimated average annual availability;
 - (4) its fuel costs in current dollars per kilowatt hour;
 - (5) its variable operating and maintenance costs in current dollars per kilowatt hour;
 - (6) the total cost in current dollars of a kilowatt hour provided by it;

(7) an estimate of its effect on rates systemwide and in Minnesota, assuming a test year beginning with the proposed in-service date;

(8) its efficiency, expressed for a generating facility as the estimated heat rate, or expressed for a transmission facility as the estimated losses under projected maximum loading and under projected average loading in the length of the transmission line and at the terminals or substations; and

(9) the major assumptions made in providing the information in subitems (1) to (8), including projected escalation rates for fuel costs and operating and maintenance costs, as well as projected capacity factors;

D. a map (of appropriate scale) showing the applicant's system; and

E. such other information about the proposed facility and each alternative as may be relevant to determination of need.

Statutory Authority: *MS s 216A.05; 216B.08; 216B.2421; 216B.243; 216C.10*

History: *L 1983 c 289 s 115; 12 SR 2624*

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