

**7849.0280 SYSTEM CAPACITY.**

The applicant shall describe the ability of its existing system to meet the demand for electrical energy forecast in response to part 7849.0270 and the extent to which the proposed facility will increase this capability. In preparing this description, the applicant shall present the following information:

A. a brief discussion of power planning programs, including criteria, applied to the applicant's system and to the power pool or area within which the applicant's planning studies are based;

B. the applicant's seasonal firm purchases and seasonal firm sales for each utility involved in each transaction for each of the forecast years;

C. the applicant's seasonal participation purchases and seasonal participation sales for each utility involved in each transaction for each of the forecast years;

D. for the summer season and for the winter season corresponding to each forecast year, the load and generation capacity data requested in subitems (1) to (13), including the anticipated purchases, sales, capacity retirements, and capacity additions, except those that depend on certificates of need not yet issued by the commission:

- (1) seasonal system demand;
- (2) annual system demand;
- (3) total seasonal firm purchases;
- (4) total seasonal firm sales;
- (5) seasonal adjusted net demand (subitem (1) minus subitem (3) plus subitem (4));
- (6) annual adjusted net demand (subitem (2) minus subitem (3) plus subitem (4));
- (7) net generating capacity;
- (8) total participation purchases;
- (9) total participation sales;
- (10) adjusted net capability (subitem (7) plus subitem (8) minus subitem (9));
- (11) net reserve capacity obligation;
- (12) total firm capacity obligation (subitem (5) plus subitem (11)); and
- (13) surplus or deficit ( - ) capacity (subitem (10) minus subitem (12));

E. for the summer season and for the winter season corresponding to each forecast year subsequent to the year of application, the load and generation capacity data requested in item D, subitems (1) to (13), including purchases, sales, and generating capability contingent on the proposed facility;

F. for the summer season and for the winter season corresponding to each forecast year subsequent to the year of application, the load and generation capacity data requested in item D, subitems (1) to (13), including all projected purchases, sales, and generating capability;

G. for each of the forecast years subsequent to the year of application, a list of proposed additions and retirements in net generating capability, including the probable date of application for any addition that is expected to require a certificate of need;

H. for the previous calendar year, the current year, the first full calendar year before the proposed facility is expected to be in operation and the first full calendar year of operation of the proposed facility, a graph of monthly adjusted net demand and monthly adjusted net capability, as well as a plot on the same graph of the difference between the adjusted net capability and actual, planned, or estimated maintenance outages of generation and transmission facilities; and

I. a discussion of the appropriateness of and the method of determining system reserve margins, considering the probability of forced outages of generating units, deviation from load forecasts, scheduled maintenance outages of generation and transmission facilities, power exchange arrangements as they affect reserve requirements, and transfer capabilities.

**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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