

1999 Electric Utility Qualifying Facilities Report

Total kWh Delivered in the State of Minnesota by Qualifying Facilities (QFs)

Size of Facility	No. of QFs	kWh Delivered	
under 40 kW	105	677,316	
over 40 kW	19	814,596,739	
Total	124	815,274,055	

Total QF kWh Delivered in the State of Minnesota

Generation Type	kWh Delivered
Wind	87,536,773
Solar	20,633
Biomass	51,245,930
Natural/Propane	0
Landfill Gas	62,136
Hydro	128,676,800
RDF	0
Coal	182,199,200
Mass Burn Refuse	223,822,700
Other	141,709,883
Total	815,274,055

Breakdown by Generation Type

Investor-Owned Utilities

Generation Type	No. of QFs Under 40 kW	kWh Delivered	No. of QFs Over 40 kW	kWh Delivered
Wind 1,2/	26	163,996	3	86,886,400
Solar 3/	5	20,633	0	0
Biomass	0	0	1	51,245,930
Hydro	0	0	5	128,676,800
Coal	0	0	2	182,199,200
Mass Burn Refuse	0	0	1	223,822,700
Other	1	14,583	5	141,695,300
Total	32	199,212	17	814,526,330

1/This report treats Silver Lake as three 25 kW QFs.

2/Two separate facilities that were in previous reports included with NSP's Buffalo Ridge are now included separately in the number of QFs under net ener.

3/ This report includes Saint Paul Public Schools as a QF under net energy billing although this facility does not sell energy to NSP.

Cooperatives

Generation Type	No. of QFs Under 40 kW	kWh Delivered	No. of QFs Over 40 kW	kWh Delivered
Wind	73	478,104	1	8,273
Landfill Gas	0	0	1	62,136
Total	73	478,104	2	70,409

Total kWh Delivered by QFs Interconnected to Investor-Owned Utilities

Company	No. of QFs Under 40 kW	kWh Delivered	No. of QFs Over 40 kW	kWh Delivered
Interstate	0	0	0	0
Minnesota Power	3	4,659	1	3,436,000
NSP	25	162,939	14	759,827,300
Northwestern Wisconsin	0	0	0	0
Otter Tail 1/	4	31,614	2	51,263,030
Total	32	199,212	17	814,526,330

1/ Four wind generators under 40 kW and one wind generator over 40 kW were non-operational in 1998 and not included in this report.

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Total kWh Delivered by QFs Interconnected to Cooperatives

Company	No. of QFs Under 40 kW	kWh Delivered	No. of QFs Over 40 kW	kWh Delivered
Interstate	0	0	0	0
Agralite	0	0	1	8,273
Anoka 1/	9	311	1	62,136
Arrowhead	0	0	0	0
Beltrami	0	0	0	0
Benco 2/	1	1,784	0	0
Brown County	0	0	0	0
Clearwater	0	0	0	0
Coop L&P	0	0	0	0
Crow Wing	0	0	0	0
Dakota Electric	8	29,806	0	0
East Central	1	1,030	0	0
East River	0	0	0	0
Federated Rural	0	0	0	0
Freeborn-Mower	0	0	0	0
Goodhue County	0	0	0	0
Head of Lakes	0	0	0	0
Itasca-Mantrap	0	0	0	0
Kandiyohi	0	0	0	0
Lake Country	2	1,498	0	0
Lake Region	3	9,825	0	0
Lyon-Lincoln	10	227,530	0	0
McLeod 3/	1	10,000	0	0
Meeker	0	0	0	0
Mille Lacs	0	0	0	0
MN Valley Coop. L&P Assn.	4	10,561	0	0
MN Valley Electric Coop	3	16,573	0	0
Nobles	2	170	0	0
North Itasca	0	0	0	0
North Star	3	20	0	0
PKM 4/	4	10,560	0	0
Peoples Cooperative	2	974	0	0
Red Lake	0	0	0	0
Red River Valley	0	0	0	0
Redwood Electric	1	11,988	0	0
Renville-Sibley	0	0	0	0
Roseau	0	0	0	0
Runestone	2	106	0	0
Sioux Vllly Southwestern 5/	3	24,784	0	0
South Central	0	0	0	0
Stearns	2	31,800	0	0
Steele Waseca	4	69,274	0	0
Todd Wadena	0	0	0	0
Traverse	1	7,160	0	0
Tri County	3	400	0	0
Wild Rice	0	0	0	0
Wright Hennepin	4	11,950	0	0
Total	73	478,104	2	70,409

1/ Two units were inactive for 1998.

2/Previously Frost-Benco

3/Only net figures available; total delivered is estimated.

4/Three units were inactive for 1998.

5/One facility non-operational since January 1995 not included.

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