

**TABLE 4.16N. Electric Energy Use Per Consumer by Utility and Sector, U.S. Lake Superior Basin, 1998**

Electric Utility	Class of Ownership	All Sectors			Commercial Sector			Industrial Sector			Residential Sector		
		Number of Consumers	Sales (megawatt-hours)	Energy Use Per Consumer (megawatt-hours)	Number of Consumers	Sales (megawatt-hours)	Energy Use Per Consumer (megawatt-hours)	Number of Consumers	Sales (megawatt-hours)	Energy Use Per Consumer (megawatt-hours)	Number of Consumers	Sales (megawatt-hours)	Energy Use Per Consumer (megawatt-hours)
<b>Michigan</b>													
Alger-Delta Coop Electric Assn	Cooperative	9,041	52,000	5.75	410	11,000	26.83				8,603	40,000	4.65
Baraga Village of	Publicly Owned	706	7,300	10.34							706	7,300	10.34
Cloverland Electric Coop	Cooperative	16,308	170,925	10.48	730	31,559	43.23	3	28,742	9,581	15,333	101,263	6.60
Edison Sault Electric Co	Investor-Owned	21,287	631,877	29.68	3,191	216,418	67.82	4	219,359	54,840	18,051	146,376	8.11
L'Anse Village of	Publicly Owned	1,089	13,434	12.34	156	4,226	27.09	5	2,913	583	927	4,827	5.21
Marquette City of	Publicly Owned	14,690	254,658	17.34	1,515	119,401	78.81				12,849	83,184	6.47
Negaunee City of	Publicly Owned	2,255	22,032	9.77	174	9,345	53.71				2,044	10,502	5.14
Newberry Water & Light Board	Publicly Owned	1,451	18,069	12.45	214	4,730	22.10	14	5,485	392	1,220	7,738	6.34
Ontonagon County R E A	Cooperative	4,215	22,644	5.37	126	1,482	11.76	23	2,517	109	3,964	18,527	4.67
Upper Peninsula Power Co	Investor-Owned	62,528	698,416	11.17	6,524	223,282	34.22	9	225,565	25,063	55,826	241,517	4.33
Wakefield City of	Publicly Owned	1,094	11,306	10.33	61	3,593	58.90	1	733	733	1,030	6,531	6.34
Wisconsin Electric Power Co	Investor-Owned	25,187	3,139,468	124.65	2,747	136,321	49.63	12	2,847,667	237,306	22,372	153,251	6.85
State Total	.....	4,486,647	100,506,195	22.40	440,794	33,839,513	76.77	13,214	35,983,417	2,723	4,024,218	29,807,978	7.41
<b>Minnesota</b>													
Arrowhead Electric Coop Inc	Cooperative	3,267	44,828	13.72	662	24,164	36.50				2,605	20,664	7.93
Biwabik City of	Publicly Owned	554	7,471	13.49	42	2,600	61.90				510	4,032	7.91
Buhl City of	Publicly Owned	475	4,185	8.81	21	1,080	51.43				437	2,535	5.80
Coop L & P Assn of Lake County	Cooperative	4,684	68,537	14.63	455	14,610	32.11	1	21,936	21,936	4,228	31,991	7.57
Grand Marais City of	Publicly Owned	1,097	18,325	16.70	270	11,910	44.11				827	6,415	7.76
Head of Lakes Electric Coop	Cooperative	692	5,236	7.57	18	344	19.11				674	4,892	7.26
Hibbing Public Utilities Comm	Publicly Owned	7,017	115,745	16.49	846	64,622	76.39	9	5,981	665	6,162	45,142	7.33
Lake Country Power	Cooperative	41,780	494,276	11.83	2,216	84,980	38.35	2	58,392	29,196	39,472	350,255	8.87
Minnesota Power Inc	Investor-Owned	124,842	8,869,801	71.05	17,527	1,000,841	57.10	502	6,954,195	13,853	106,243	843,272	7.94
Mountain Iron City of	Publicly Owned	785	13,257	16.89	51	2,795	54.80	7	1,752	250	694	5,621	8.10
Proctor Public Utilities Comm	Publicly Owned	1,226	21,581	17.60	58	3,664	63.17	1	5,103	5,103	1,166	12,300	10.55
Two Harbors City of	Publicly Owned	1,911	25,539	13.36	190	14,040	73.89				1,683	8,873	5.27
Virginia City of	Publicly Owned	5,747	95,642	16.64	982	64,297	65.48				4,747	31,236	6.58
State Total	.....	2,244,092	56,744,047	25.29	222,109	10,435,903	46.99	11,007	28,213,513	2,563	1,988,091	17,378,235	8.74
<b>Wisconsin</b>													
Bayfield Electric Coop Inc	Cooperative	7,078	60,922	8.61	133	9,893	74.38				6,945	51,029	7.35
Dahlberg Light & Power Co	Investor-Owned	9,427	79,641	8.45	918	16,775	18.27	34	14,580	429	8,456	47,552	5.62
Head of Lakes Electric Coop	Cooperative	4,139	35,363	8.54	183	4,541	24.81				3,956	30,822	7.79
Northern States Power Co	Investor-Owned	208,717	5,239,116	25.10	28,282	909,338	32.15	1,427	2,638,227	1,849	178,052	1,654,353	9.29
Superior Water Light&Power Co	Investor-Owned	14,029	552,803	39.40	1,682	113,181	67.29	139	362,560	2,608	12,178	72,659	5.97
State Total	.....	2,536,716	62,061,221	24.47	265,507	16,192,557	60.99	6,052	26,040,150	4,303	2,252,821	19,087,369	8.47
<b>U.S. Lake Superior Basin Total</b>		<b>597,318</b>	<b>21,107,188</b>	<b>35.34</b>	<b>70,384</b>	<b>3,105,032</b>	<b>44.12</b>	<b>2,193</b>	<b>13,395,707</b>	<b>6,108</b>	<b>521,960</b>	<b>4,044,659</b>	<b>7.75</b>

Notes: The energy use per consumer per megawatt hour (MWh) of electricity sold was not provided by the Energy Information Administration but is calculated by dividing sales by number of consumers. Utilities are listed under each state served (e.g., Head of the Lakes). Data for some utilities, such as Minnesota Power and Northern States Power, includes customers outside the Lake Superior watershed.

Source: U.S. Department of Energy, Energy Information Administration, Form EIA-861, "Annual Electric Utility Report." Data for utilities within the Lake Superior watershed extracted and energy use per consumer calculated by GEM Center for Science and Environmental Outreach, Michigan Technological University, from 1998 retail electricity sales tables ([www.eia.doe.gov/fuelectric.html](http://www.eia.doe.gov/fuelectric.html))