

TABLE 4.16E. Electric Power Generation, Transmission, and Distribution by Utilities in the U.S. Lake Superior Basin, 1995 (Megawatt-Hours)

Utility Code	Utility Name	Ownership	Net Generation	Power Purchased			Total Power Sources	Sales to Consumers	Resales	Energy No Charge	Energy to Run Plant	Transmission Losses	State	Operator	Lake Superior Basin	
				From Utilities	From Non-utilities										Multiplier**	Net Generation
00305	Alger-Delta Coop Electric Assn	cooperative	0	57,008	0	57,008	51,692	0	0	0	5,316	MI	WISCONSIN PUBLIC SERVICE			
01196	Baraga City of	municipal	0	16,609	0	16,609	15,446	0	1,163	0	0	MI	UPPER PENINSULA POWER CO			
03828	Cloverland Electric Coop	cooperative	-492	191,368	0	190,876	155,309	18,184	0	635	16,748	MI	Michigan Elec Pwr Coord Ctr	0.606	-298	
05659	Edison Sault Electric Co	private	210,868	599,902	0	810,770	616,577	152,270	0	2,026	39,897	MI	Michigan Elec Pwr Coord Center	0.858	180,925	
10508	L'Anse Village of	municipal	0	14,174	0	14,174	12,980	0	0	0	1,194	MI	Upper Peninsula Power Co			
11701	Marquette City of	municipal	250,435	18,157	0	268,592	240,226	13,603	0	539	14,224	MI	Upper Peninsula Power Co	1.000	250,435	
13352	Negaunee City of	municipal	0	22,552	0	22,552	21,179	0	0	0	1,373	MI	UPPER PENINSULA POWER CO			
13525	Newberry City of	municipal	76	18,185	0	18,261	16,078	0	7	210	1,966	MI	Michigan Elec Pwr Coord Center	1.000	76	
14156	Ontonagon County R E A	cooperative	0	22,734	0	22,734	20,355	0	0	0	2,379	MI	Upper Peninsula Power Co			
19578	Upper Peninsula Power Co	private	142,871	529,754	0	898,862	706,722	140,229	0	4,056	47,855	MI	Upper Peninsula Power Co	0.574	82,008	
19975	Wakefield City of	municipal	0	12,400	0	12,400	12,081	0	0	0	319	MI	NORTHERN STATES POWER CO			
00887	Arrowhead Electric Coop Inc	cooperative	0	47,092	0	47,092	42,991	0	0	135	3,966	MN	UNITED POWER ASSOCIATION			
01753	Biwabik City of	municipal	0	6,603	0	6,603	6,540	0	0	0	63	MN	Minnesota Power & Light Co			
02491	Buhl City of	municipal	0	4,370	0	4,370	3,923	0	0	0	447	MN	Minnesota Power & Light			
03044	Carlton County Coop Power Assn	cooperative	0	131,234	0	131,234	102,283	19,377	0	590	8,984	MN	UNITED POWER ASSOC			
04346	Coop L & P Assn of Lake County	cooperative	0	66,693	0	66,693	62,487	0	0	0	4,206	MN	United Power Association			
07487	Grand Marais City of	municipal	30	18,712	0	18,742	16,486	0	0	15	2,241	MN	Minnesota Power & Light	1.000	30	
08543	Hibbing Public Utilities Comm	municipal	12,060	111,583	0	123,643	110,760	0	2,557	1,487	8,839	MN	Minnesota Power & Light	1.000	12,060	
12647	Minnesota Power & Light Co	private	6,700,660	5,451,541	14,980	12,225,397	9,250,576	2,310,047	0	20,166	644,608	MN	MINNESOTA POWER & LIGHT	0.160	1,072,106	
13044	Mountain Iron City of	municipal	0	13,971	0	13,971	12,858	0	0	0	1,113	MN	Minnesota Power & Light Co			
13748	Northern Electric Coop Assn	cooperative	0	205,033	0	205,033	190,927	141	0	111	13,854	MN	United Power Assn			
15460	Proctor Public Utilities Comm	municipal	0	21,125	0	21,125	20,066	0	0	0	1,059	MN	Minnesota Power & Light Co			
19321	Two Harbors City of	municipal	-29	25,917	0	25,888	23,623	0	0	0	2,265	MN	MINNESOTA POWER & LGHT CO	1.000	-29	
19883	Virginia City of	municipal	56,970	46,495	0	103,465	93,616	0	1,680	2,006	6,163	MN	MINNESOTA POWER & LIGHT	1.000	56,970	
01367	Bayfield Electric Coop Inc	cooperative	0	64,992	0	64,992	58,604	0	0	341	6,047	WI, MI	Dairyland Power Coop			
04715	Dahlberg Light & Power Co	private	2,210	82,913	0	85,123	76,031	0	0	229	8,863	WI	Minnesota Power & Light	0.798	1,764	
08347	Head of Lakes Electric Coop	cooperative	0	42,430	0	42,430	38,716	0	0	348	3,366	WI, MN	UNITED POWER ASSOC			
13780	Northern States Power Co*	private	1,281,944	4,990,339	0	6,272,283	5,045,285	456,431	0	15,189	755,378	WI, MI	NORTHERN STATES POWER CO	0.010	12,819	
18336	Superior Water Light&Power Co	private	0	573,573	0	573,573	557,675	0	0	0	15,898	WI	Minnesota Power & Light			
20847	Wisconsin Electric Power Co	private	26,660,310	2,142,150	125,174	28,943,323	24,911,460	2,372,409	0	73,348	1,586,106	WI, MI	Wisconsin Electric Power Co	0.110	2,932,634	
			35,317,913	15,549,609	140,154	51,307,818	42,493,552	5,482,691	5,407	121,431	3,204,737				4,601,499	

* Northern States Power (under utility code 13781) also operates power plants that serve Minnesota and North Dakota, but none of those are in the Lake Superior Basin.

**The data in the EIA-861 file is for total operations of each utility, much of which may occur outside the Lake Superior watershed. To approximate the percentage of net generation occurring within the watershed, a basin multiplier was calculated for each generator, using the 1995 "Annual Electric Generator Report," EIA-860, which lists power plants operated by the utilities. The multiplier was calculated by averaging the net summer and winter capability for all power plants operated within the Lake Superior basin by a utility and dividing that total by the average of the net summer and winter capability for all power plants operated by the utility.

Source: U.S. Department of Energy, Energy Information Administration 1995 Annual Electric Utility data - EIA-861 and EIA-860 files (www.eia.doe.gov/cheaf/electricity)

Data extracted for the Lake Superior watershed by GEM Center for Science and Environmental Outreach, Michigan Technological University, August 2000