

Table 10. Supply and Disposition of Electricity, 1990 Through 2010 (Million Kilowatthours)

Michigan

Category	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Supply																					
Generation																					
Electric Utilities	89,059	94,567	82,679	92,250	83,721	92,479	95,155	89,565	85,146	87,875	89,572	97,067	100,452	96,634	99,609	104,831	97,374	96,786	94,504	82,787	89,667
Independent Power Producers	639	694	868	1,186	1,343	1,456	1,777	1,679	1,747	1,723	1,751	2,399	5,031	2,302	2,560	4,337	3,859	11,028	10,954	10,449	12,570
Combined Heat and Power, Electric	6,354	6,702	7,907	8,906	9,221	9,611	12,045	12,288	11,014	11,080	10,476	10,502	10,138	9,917	13,904	10,161	9,077	9,327	7,350	6,204	7,475
Electric Power Sector Generation Subtotal	96,051	101,963	91,455	102,341	94,285	103,546	108,977	103,532	97,907	100,678	101,800	109,968	115,620	108,853	116,073	119,329	110,310	117,141	112,807	99,440	109,712
Combined Heat and Power, Commercial	411	578	331	452	472	563	626	636	638	684	622	239	477	504	536	535	515	627	535	604	624
Combined Heat and Power, Industrial	3,597	3,437	3,536	3,575	3,551	3,335	2,915	2,803	1,932	1,878	1,788	1,638	1,792	1,990	1,878	1,756	1,731	1,542	1,647	1,159	1,215
Industrial and Commercial Generation Subtotal	4,008	4,015	3,867	4,027	4,022	3,898	3,541	3,439	2,570	2,562	2,410	1,878	2,269	2,494	2,414	2,291	2,246	2,169	2,182	1,762	1,840
Total Net Generation	100,060	105,978	95,322	106,369	98,307	107,445	112,518	106,971	100,477	103,240	104,210	111,846	117,889	111,347	118,487	121,620	112,557	119,310	114,990	101,203	111,551
Total International Imports	40	108	83	2,420	6,910	5,801	2,126	3,384	2,027	889	1,329	74	240	1,253	2,054	1,681	357	1,682	6,305	7,576	6,118
Total Supply	100,099	106,086	95,405	108,788	105,218	113,245	114,644	110,355	102,505	104,129	105,538	111,920	118,129	112,600	120,542	123,301	112,914	120,992	121,295	108,779	117,669
Disposition																					
Retail Sales																					
Full Service Providers	82,367	84,519	83,840	87,589	91,160	94,701	96,302	97,391	100,506	103,480	104,371	101,777	100,213	96,659	92,097	98,603	101,899	104,526	102,159	93,654	94,565
Energy-Only Providers	-	-	-	-	-	-	-	-	-	501	402	633	4,500	10,112	13,991	11,334	5,619	4,293	3,161	4,047	9,084
Facility Direct Retail Sales ¹	-	-	-	-	-	-	-	-	-	-	-	-	-	2,106	518	508	499	478	461	420	*
Total Electric Industry Retail Sales	82,367	84,519	83,840	87,589	91,160	94,701	96,302	97,391	100,506	103,981	104,772	102,409	104,714	108,877	106,606	110,445	108,018	109,297	105,781	98,121	103,649
Direct Use	4,347	4,371	4,467	4,558	4,541	4,437	4,026	4,098	2,872	2,973	2,887	2,821	2,883	2,919	2,922	2,584	2,354	2,005	2,144	1,792	1,899
Total International Exports	10,958	554	315	29	1	41	219	2,004	3,561	1,108	1,656	2,176	2,474	4,818	5,258	4,411	2,474	2,888	4,001	1,939	2,554
Estimated Losses	6,171	6,345	6,464	6,866	6,569	7,189	7,162	6,947	6,806	7,537	7,457	5,603	7,528	6,208	7,868	7,941	8,259	9,411	9,031	8,284	8,468
Net Interstate Trade²	-3,743	10,297	319	9,747	2,946	6,877	6,936	-85	-11,241	-11,471	-11,234	-1,089	531	-10,222	-2,113	-2,080³	-8,190	-2,609	338	-1,357	1,099
Total Disposition	100,099	106,086	95,405	108,788	105,218	113,245	114,644	110,355	102,505	104,129	105,538	111,920	118,129	112,600	120,542	123,301	112,914	120,992	121,295	108,779	117,669
Net Trade Index (ratio)³	0.96	1.11	1.00	1.10	1.03	1.06	1.06	1.00	0.90	0.90	0.90	0.99	1.00	0.92	0.98	0.98	0.93	0.98	1.00	0.99	1.01

¹Facility Direct Retail Sales are electricity sales from non utility power producers which reported electricity sales to a retail customer.

²Net Interstate Trade = Total Supply - (Total Electric Industry Retail Sales + Direct Use + Total International Exports (if applies) + Estimated Losses).

³Net Trade Index is the sum of Total Supply / (Total Disposition - Net Interstate Trade).

R = Revised.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 and values under 0.5 are shown as *).

- (dash) = Data not available.

Notes: Totals may not equal sum of components because of independent rounding. Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Direct use is commercial or industrial use of electricity that (1) is self-generated (2) is produced by either the same entity that consumes the power or an affiliate, and (3) is used in direct support of a service or industrial process located within the same facility or group of facilities that houses the generating equipment. Direct use is exclusive of station use. Beginning with publication year 2010, Total disposition has been reorganized to include Net Interstate Trade. Therefore, Total Disposition equals Total Supply.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report" and predecessor forms. U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." U.S. Energy Information Administration, Form EIA-861, "Annual Electric Power Industry Report." DOE, Office of Electricity Delivery and Energy Reliability, Form OE-781R, "Annual Report of International Electric Export/Import Data," predecessor forms, and National Energy Board of Canada.