

Table 8.1 – Electricity Sales

(Billion Kilowatthours)

	<u>1980</u>	<u>1990</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>	<u>2030</u>
Electricity Sales by Sector ¹												
Residential	717	924	1,192	1,203	1,267	1,273	1,293	1,461	1,576	1,691	1,787	1,897
Commercial	559	838	1,159	1,197	1,218	1,200	1,229	1,430	1,592	1,762	1,944	2,151
Industrial	815	946	1,064	964	972	1,008	1,021	1,060	1,103	1,147	1,195	1,262
Transportation/Other ²	3	5	5	5	6	7	8	26	28	29	30	31
Total Sales	2,094	2,713	3,421	3,370	3,463	3,488	3,551	3,978	4,300	4,629	4,956	5,341
Direct Use ³	NA	125	171	163	166	168	166	177	192	214	252	278
Total	2,094	2,837	3,592	3,532	3,629	3,656	3,717	4,155	4,491	4,844	5,208	5,619

Sources: 2010-2030 - EIA, *Annual Energy Outlook 2006*, DOE/EIA-0383(2006) (Washington, D.C., February 2006), Table A8; 1980-2004 - EIA, *Annual Energy Review 2004*, DOE/EIA-0384(2004) (Washington, D.C., August 2005), Table 8.9.

Notes:

¹ Electricity retail sales to ultimate customers reported by electric utilities and other energy-service providers.

² “Other” includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, and interdepartmental sales through 2002. Transportation-sector sales reported starting in 2010.

³ Commercial and industrial facility use of on-site net electricity generation; and electricity sales among adjacent or colocated facilities for which revenue information is not available.

Table 8.2 – Demand-Side Management

	<u>1980</u>	<u>1990</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>
Load Management Peak Load Reductions (MW) ¹	NA	NA	10,027	11,928	9,516	9,323	9,260
Energy Efficiency Peak Load Reductions (MW) ²	NA	NA	12,873	13,027	13,420	13,581	14,272
Total Peak Load Reductions (MW)	NA	13,704	22,901	24,955	22,936	22,904	23,532
Energy Savings (Million kWh)	NA	20,458	53,701	54,762	54,075	50,265	54,710
Costs (Million 2004\$) ³	NA	1,562	1,694	1,723	1,690	1,325	1,557

Sources: 1980-2003 - EIA, *Annual Energy Review 2004*, DOE/EIA-0384(2004) (Washington, D.C., August 2005), Table 8.13; 2004 - EIA, *Electric Power Annual 2004 Tables*, (Washington, D.C., December 2005), Table 9.1, 9.2, 9.4, 9.6, and 9.7 <http://www.eia.doe.gov/cneaf/electricity/epa/epat9p1.html>

Notes:

The actual reduction in peak load reflects the change in demand for electricity that results from a utility demand-side management program that is in effect at the time that the utility experiences its actual peak load, as opposed to the potential installed peak load reduction capability. Differences between actual and potential peak reduction result from changes in weather, economic activity, and other variable conditions.

¹ Load management includes programs such as direct load control and interruptible load control; and, beginning in 1997, "other types" of demand-side management programs. "Other types" are programs that limit or shift peak loads from on-peak to off-peak time periods, such as space heating and water heating storage systems.

² Energy efficiency refers to programs that are aimed at reducing the energy used by specific end-use devices and systems, typically without affecting the services provided. From 1989 to 1996, energy efficiency includes "other types" of demand-side management programs. Beginning in 1997, these programs are included under load management.

³ Historical data converted to 2004 dollars using EIA *Annual Energy Review 2004*, Appendix D.

Table 8.3 – Electricity Sales, Revenue, and Consumption by Census Division and State, 2004

Census Division and State	Sales (MWh)	Revenue (million \$)	Average Revenue (¢/kWh)	Electricity Consumption (kWh/person)	Census Division and State	Sales (MWh)	Revenue (million \$)	Average Revenue (¢/kWh)	Electricity Consumption (kWh/person)
New England	125,249	13,284	10.6	8,796	East South Central	319,085	18,618	5.8	18,114
Connecticut	32,215	3,305	10.3	9,177	Alabama	86,871	5,278	6.1	19,060
Maine	12,368	1,198	9.7	9,359	Kentucky	86,521	4,004	4.6	20,732
Massachusetts	56,142	6,045	10.8	8,774	Mississippi	46,033	3,221	7.0	15,759
New Hampshire	10,973	1,248	11.4	8,377	Tennessee	99,661	6,115	6.1	16,713
Rhode Island	7,888	865	11.0	7,329	West South Central	494,966	36,952	7.5	14,683
Vermont	5,664	624	11.0	9,090	Arkansas	43,672	2,475	5.7	15,714
Middle Atlantic	366,176	37,679	10.3	9,063	Louisiana	79,737	5,682	7.1	17,627
New Jersey	77,593	7,984	10.3	8,900	Oklahoma	50,942	3,313	6.5	14,358
New York	145,082	18,209	12.6	7,535	Texas	320,615	25,482	7.9	14,025
Pennsylvania	143,501	11,486	8.0	11,545	Mountain	237,632	16,306	6.9	11,711
East North Central	571,151	37,920	6.6	12,374	Arizona	66,933	4,985	7.4	11,270
Illinois	139,254	9,465	6.8	10,910	Colorado	46,724	3,247	6.9	10,015
Indiana	103,094	5,749	5.6	16,437	Idaho	21,809	1,085	5.0	15,260
Michigan	106,606	7,401	6.9	10,533	Montana	12,957	830	6.4	13,848
Ohio	154,221	10,629	6.9	13,453	Nevada	31,312	2,681	8.6	12,967
Wisconsin	67,976	4,677	6.9	12,278	New Mexico	19,846	1,409	7.1	10,291
West North Central	261,030	16,095	6.2	13,173	Utah	24,512	1,395	5.7	9,925
Iowa	40,903	2,619	6.4	13,789	Wyoming	13,540	674	5.0	26,585
Kansas	37,127	2,364	6.4	13,527	Pacific Contiguous	378,382	36,407	9.6	8,215
Minnesota	63,340	3,950	6.2	12,340	California	252,764	28,935	11.4	6,996
Missouri	74,054	4,494	6.1	12,767	Oregon	45,636	2,833	6.2	12,534
Nebraska	25,876	1,475	5.7	14,712	Washington	79,982	4,638	5.8	12,720
North Dakota	10,516	599	5.7	16,518	Pacific Noncontiguous	16,520	2,321	14.0	2,832
South Dakota	9,214	594	6.4	11,875	Alaska	5,788	636	11.0	1,270

South Atlantic	778,026	54,874	7.1	13,973	Hawaii	10,732	1,685	15.7	8,416
Delaware	11,761	885	7.5	13,943	U.S. Total	3,548,218	270,456	7.6	11,971
District of Columbia	11,415	852	7.5	225,943					
Florida	218,584	17,835	8.2	12,287					
Georgia	129,466	8,525	6.6	14,270					
Maryland	66,892	4,785	7.2	11,944					
North Carolina	125,657	8,756	7.0	14,471					
South Carolina	79,908	4,972	6.2	18,780					
Virginia	105,424	6,780	6.4	13,931					
West Virginia	28,919	1,483	5.1	15,917					

Sources: EIA, *Electric Sales and Revenue 2004 Spreadsheets*, Data Tables, http://www.eia.doe.gov/cneaf/electricity/esr/esr_sum.html Tables 1b, 1c, 1d, and U.S. Census Bureau, *Annual Estimates of the Population for the United States and States, and for Puerto Rico: April 1, 2000 to July 1, 2005* (NST-EST2004-01) - State Population Estimates 2005, <http://www.census.gov/popest/states/tables/NST-EST2005-01.xls>

Notes:

Revenue in 2004 dollars.

Includes bundled and unbundled consumers