

Table 16. Total Electricity Sales, Projected vs. Actual

Projected																												
(billion kilowatt-hours)																												
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
AEO 1994	2,843	2,891	2,928	2,962	3,004	3,039	3,071	3,112	3,148	3,185	3,228	3,263	3,298	3,332	3,371	3,406	3,433	3,469										
AEO 1995		2,951	2,967	2,983	3,026	3,058	3,085	3,108	3,134	3,166	3,204	3,248	3,285	3,321	3,357	3,396	3,433	3,475										
AEO 1996			2,973	2,998	3,039	3,074	3,106	3,137	3,173	3,215	3,262	3,317	3,363	3,409	3,454	3,505	3,553	3,604	3,660	3,722	3,775	3,833	3,889					
AEO 1997				3,075	3,115	3,168	3,229	3,290	3,328	3,379	3,437	3,497	3,545	3,596	3,649	3,697	3,736	3,784	3,838	3,899	3,948	4,003	4,044					
AEO 1998					3,106	3,204	3,255	3,318	3,388	3,438	3,488	3,546	3,601	3,658	3,716	3,775	3,825	3,877	3,939	3,996	4,035	4,075	4,115	4,158	4,195	4,232	4,271	
AEO 1999						3,205	3,262	3,333	3,402	3,454	3,492	3,534	3,585	3,639	3,691	3,745	3,793	3,843	3,900	3,958	4,005	4,059	4,113	4,163	4,208	4,253	4,298	
AEO 2000							3,288	3,360	3,402	3,461	3,523	3,585	3,647	3,699	3,753	3,812	3,861	3,909	3,958	4,012	4,059	4,109	4,155	4,196	4,230	4,266	4,307	
AEO 2001								3,364	3,440	3,530	3,608	3,681	3,761	3,838	3,918	3,998	4,068	4,147	4,212	4,286	4,352	4,417	4,484	4,552	4,610	4,671	4,737	
AEO 2002									3,443	3,502	3,619	3,711	3,793	3,869	3,948	4,022	4,090	4,170	4,252	4,332	4,404	4,481	4,556	4,630	4,696	4,769	4,842	
AEO 2003										3,414	3,527	3,617	3,684	3,762	3,848	3,940	4,014	4,101	4,183	4,266	4,336	4,411	4,481	4,551	4,619	4,692	4,772	
AEO 2004											3,495	3,582	3,669	3,750	3,830	3,909	3,977	4,055	4,133	4,212	4,285	4,357	4,429	4,502	4,576	4,653	4,730	
AEO 2005												3,547	3,649	3,722	3,813	3,912	3,997	4,070	4,145	4,220	4,285	4,360	4,430	4,501	4,577	4,657	4,732	
AEO 2006													3,675	3,700	3,767	3,847	3,911	3,978	4,047	4,116	4,173	4,234	4,300	4,370	4,433	4,501	4,564	
AEO 2007														3,694	3,757	3,836	3,891	3,953	4,014	4,082	4,138	4,194	4,251	4,312	4,358	4,408	4,466	
AEO 2008															3,744	3,773	3,807	3,869	3,927	3,978	3,979	4,016	4,059	4,108	4,146	4,188	4,225	
AEO 2009																3,725	3,658	3,737	3,796	3,847	3,869	3,894	3,921	3,957	3,998	4,043	4,085	
AEO 2010																	3,589	3,617	3,728	3,800	3,809	3,836	3,870	3,908	3,944	3,989	4,040	
AEO 2011																		3,749	3,692	3,734	3,770	3,777	3,811	3,843	3,872	3,906	3,941	
AEO 2012																			3,763	3,729	3,710	3,735	3,753	3,773	3,799	3,833	3,874	
AEO 2013																				3,712	3,665	3,704	3,757	3,797	3,846	3,888	3,940	
AEO 2014																					3,686	3,702	3,772	3,828	3,888	3,933	3,964	
AEO 2015																						3,739	3,750	3,796	3,831	3,884	3,926	
AEO 2016																							3,729	3,740	3,766	3,797	3,834	
AEO 2017																								3,727	3,719	3,774	3,804	
AEO 2018																									3,681	3,730	3,806	
AEO 2019																										3,776	3,776	
AEO 2020																											3,729	
Actual	2861	2935	3013	3101	3146	3264	3312	3421	3394	3465	3494	3547	3661	3670	3765	3734	3597	3755	3750	3695	3725	3724	3725	3762	3682	3859	3750	
Average Absolute Difference	18	30	57	97	88	140	127	169	101	111	105	110	122	124	128	152	250	199	222	300	302	327	355	364	461	351	455	

Table 16. Total Electricity Sales, Projected vs. Actual (continued)

Projected vs. Actual
(percent difference)

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
AEO 1994		-0.6	-1.5	-2.8	-4.5	-4.5	-6.9	-7.3	-9.0	-7.3	-8.1	-7.6	-8.0	-9.9	-9.2	-10.5	-8.8	-4.6	-7.6									
AEO 1995		0.6	-1.5	-3.8	-3.8	-6.3	-6.9	-9.2	-7.7	-8.6	-8.3	-8.4	-10.3	-9.5	-10.8	-9.1	-4.6	-7.5										
AEO 1996			-1.3	-3.3	-3.4	-5.8	-6.2	-8.3	-6.5	-7.2	-6.6	-6.5	-8.1	-7.1	-8.2	-6.1	-1.2	-4.0	-2.4	0.7	1.3	2.9	4.4					
AEO 1997				-0.8	-1.0	-2.9	-2.5	-3.8	-2.0	-2.5	-1.6	-1.4	-3.2	-2.0	-3.1	-1.0	3.9	0.8	2.4	5.5	6.0	7.5	8.6					
AEO 1998					-1.3	-1.8	-1.7	-3.0	-0.2	-0.8	-0.2	0.0	-1.6	-0.3	-1.3	1.1	6.4	3.3	5.0	8.1	8.3	9.4	10.5	10.5	13.9	9.7	13.9	
AEO 1999						-1.8	-1.5	-2.6	0.2	-0.3	-0.1	-0.4	-2.1	-0.8	-2.0	0.3	5.5	2.3	4.0	7.1	7.5	9.0	10.4	10.6	14.3	10.2	14.6	
AEO 2000							-0.7	-1.8	0.2	-0.1	0.8	1.1	-0.4	0.8	-0.3	2.1	7.3	4.1	5.5	8.6	9.0	10.3	11.6	11.5	14.9	10.5	14.9	
AEO 2001								-1.7	1.3	1.9	3.3	3.8	2.7	4.6	4.1	7.1	13.1	10.5	12.3	16.0	16.8	18.6	20.4	21.0	25.2	21.0	26.3	
AEO 2002									1.4	1.1	3.6	4.6	3.6	5.4	4.9	7.7	13.7	11.1	13.4	17.2	18.2	20.3	22.3	23.1	27.5	23.6	29.1	
AEO 2003										-1.5	1.0	2.0	0.6	2.5	2.2	5.5	11.6	9.2	11.5	15.5	16.4	18.5	20.3	21.0	25.4	21.6	27.3	
AEO 2004											0.0	1.0	0.2	2.2	1.7	4.7	10.6	8.0	10.2	14.0	15.0	17.0	18.9	19.7	24.3	20.6	26.2	
AEO 2005												0.0	-0.3	1.4	1.3	4.8	11.1	8.4	10.5	14.2	15.0	17.1	18.9	19.6	24.3	20.7	26.2	
AEO 2006													0.4	0.8	0.1	3.0	8.7	5.9	7.9	11.4	12.0	13.7	15.4	16.1	20.4	16.6	21.7	
AEO 2007														0.6	-0.2	2.7	8.2	5.3	7.1	10.5	11.1	12.6	14.1	14.6	18.4	14.2	19.1	
AEO 2008															-0.6	1.0	5.8	3.0	4.7	7.7	6.8	7.8	9.0	9.2	12.6	8.5	12.7	
AEO 2009																-0.3	1.7	-0.5	1.2	4.1	3.9	4.6	5.3	5.2	8.6	4.8	9.0	
AEO 2010																-0.2	-3.7	-0.6	2.8	2.3	3.0	3.9	3.9	7.1	3.4	7.7		
AEO 2011																	-0.2	-1.5	1.1	1.2	1.4	2.3	2.1	5.2	1.2	5.1		
AEO 2012																			0.4	0.9	-0.4	0.3	0.8	0.3	3.2	-0.7	3.3	
AEO 2013																				0.5	-1.6	-0.5	0.9	0.9	4.4	0.8	5.1	
AEO 2014																					-1.0	-0.6	1.3	1.7	5.6	1.9	5.7	
AEO 2015																						0.4	0.7	0.9	4.1	0.6	4.7	
AEO 2016																							0.1	-0.6	2.3	-1.6	2.2	
AEO 2017																								-0.9	1.0	-2.2	1.5	
AEO 2018																									0.0	-3.3	1.5	
AEO 2019																										-2.2	0.7	
AEO 2020																											-0.6	
Average Absolute Percent Difference	0.6	1.0	1.9	3.1	2.8	4.3	3.8	4.9	3.0	3.2	3.0	3.1	3.3	3.4	3.4	4.1	6.9	5.3	5.9	8.1	8.1	8.8	9.5	9.7	12.5	9.1	12.1	

Sources: Projections: *Annual Energy Outlook*, Reference Case Projections, Various Editions.

Historical Data: U.S. Energy Information Administration open data API (<http://www.eia.gov/opendata/>) (Washington, DC). Retrieved September 24, 2020. Series: TOTAL.ESTCPUS.A. Shading indicates overestimation (blue) or underestimation (green).