

**Table 13. Total coal consumption, projected versus actual**

Projected (million short tons)	Projected																																
	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	2020	2021				
AE01994	920	928	933	938	943	948	953	958	962	967	978	990	987	992	1,006	1,035	1,061	1,079															
AE01995	935	940	941	947	948	951	954	958	963	971	984	992	996	1,002	1,013	1,025	1,039																
AE01996		937	942	954	962	983	990	1,004	1,017	1,027	1,033	1,046	1,067	1,070	1,071	1,074	1,082	1,087	1,094	1,103	1,113	1,120											
AE01997		948	970	987	1,003	1,017	1,020	1,025	1,034	1,041	1,054	1,075	1,086	1,092	1,092	1,099	1,104	1,114	1,122	1,139	1,156												
AE01998			1,009	1,051	1,044	1,058	1,087	1,084	1,090	1,097					1,112	1,130	1,142	1,148	1,160	1,162	1,180	1,184	1,188	1,203	1,215	1,221	1,225	1,239	1,250	1,257			
AE01999				1,040	1,075	1,092	1,109	1,113	1,118	1,120	1,120	1,133	1,139	1,150	1,155	1,156	1,173	1,177	1,191	1,198	1,211	1,222	1,237	1,247	1,259	1,275							
AE02000					1,053	1,086	1,103	1,124	1,142	1,164	1,175	1,184	1,189	1,194	1,199	1,195	1,200	1,206	1,213	1,219	1,232	1,237	1,249	1,259	1,269	1,279							
AE02001						1,078	1,112	1,135	1,153	1,165	1,183	1,191	1,220	1,228	1,228	1,235	1,240	1,244	1,251	1,254	1,261	1,269	1,279	1,280	1,286	1,297							
AE02002							1,088	1,092	1,126	1,147	1,176	1,199	1,227	1,235	1,243	1,251	1,256	1,265	1,275	1,282	1,294	1,307	1,322	1,334	1,350	1,365							
AE02003								1,040	1,059	1,082	1,106	1,138	1,172	1,185	1,200	1,218	1,231	1,239	1,250	1,261	1,282	1,297	1,316	1,328	1,345	1,358	1,366						
AE02004									1,100	1,098	1,126	1,156	1,183	1,193	1,216	1,229	1,240	1,254	1,266	1,277	1,291	1,311	1,327	1,339	1,363	1,391	1,420						
AE02005										1,102	1,137	1,159	1,189	1,210	1,224	1,229	1,237	1,248	1,255	1,264	1,273	1,284	1,298	1,313	1,331	1,352	1,377						
AE02006											1,144	1,150	1,172	1,196	1,224	1,233	1,245	1,264	1,268	1,272	1,276	1,290	1,308	1,327	1,347	1,390	1,432						
AE02007												1,135	1,147	1,152	1,169	1,195	1,222	1,233	1,245	1,272	1,282	1,299	1,315	1,331	1,350	1,377	1,409						
AE02008													1,127	1,126	1,135	1,145	1,181	1,199	1,203	1,214	1,225	1,240	1,262	1,295	1,312	1,327	1,348						
AE02009															1,109	1,077	1,117	1,152	1,178	1,192	1,205	1,202	1,214	1,223	1,232	1,235	1,240	1,243					
AE02010																	1,015	1,035	1,094	1,122	1,137	1,163	1,141	1,153	1,155	1,167	1,179	1,183	1,202				
AE02011																		1,055	1,026	1,024	1,017	1,007	1,013	1,025	1,031	1,043	1,055	1,076	1,101				
AE02012																			1,039	984	961	938	914	927	936	950	963	982	996				
AE02013																					905	934	945	937	880	907	929	953	966	972			
AE02014																						942	965	964	917	938	957	965	965	970			
AE02015																							933	921	906	924	933	966	987	992			
AE02016																								801	801	810	823	824	813	793			
AE02017																									716	730	739	773	791	779			
AE02018																											728	725	695	688	670		
AE02019																												677	651	616	595		
AE02020																													533	493			
AE02021																														466	553		
AE02022																															554		
<b>Actual</b>	<b>944</b>	<b>951</b>	<b>962</b>	<b>1,006</b>	<b>1,030</b>	<b>1,037</b>	<b>1,039</b>	<b>1,084</b>	<b>1,060</b>	<b>1,066</b>	<b>1,095</b>	<b>1,107</b>	<b>1,126</b>	<b>1,112</b>	<b>1,128</b>	<b>1,121</b>	<b>997</b>	<b>1,049</b>	<b>1,003</b>	<b>889</b>	<b>924</b>	<b>917</b>	<b>802</b>	<b>731</b>	<b>717</b>	<b>688</b>	<b>587</b>	<b>477</b>	<b>546</b>				
Average absolute difference	24	20	25	64	65	53	46	57	55	54	52	50	50	55	57	61	150	107	168	274	234	239	342	396	403	425	513	606	473				

**Table 13. Total coal consumption, projected versus actual (continued)**

**Projected versus actual**  
(percentage 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	2020	2021	
AE01994	-2.6	-2.4	-3.0	-6.8	-8.4	-8.6	-8.2	-11.6	-9.3	-9.3	-10.7	-10.6	-12.3	-10.8	-10.8	-7.6	6.4	2.9												
AE01995		-1.7	-2.3	-6.5	-8.0	-8.6	-8.4	-12.0	-9.6	-9.7	-11.3	-11.1	-11.9	-10.5	-11.2	-9.6	2.8	-0.9												
AE01996			-2.6	-6.4	-7.3	-7.2	-5.4	-8.7	-5.3	-4.6	-6.2	-6.7	-7.1	-4.1	-5.1	-4.4	7.7	3.2	8.4	23.0	19.3	21.4	39.7							
AE01997				-5.8	-5.8	-4.8	-3.4	-6.2	-3.8	-3.9	-5.6	-6.0	-6.4	-3.4	-3.7	-2.5	9.5	4.8	10.1	25.3	21.4	24.2	44.2							
AE01998					-2.0	1.3	0.5	-2.4	2.5	1.7	-0.5	-0.9	-1.3	1.6	1.3	2.5	16.3	10.8	17.7	33.2	28.5	31.2	51.6	67.0	70.9	80.1	112.8	163.7		
AE01999						0.3	3.5	0.8	4.6	4.4	2.2	1.1	-0.5	1.9	1.0	2.6	15.8	10.3	17.0	32.4	28.8	30.7	51.1	67.2	72.6	81.3	114.4	167.4		
AE02000							1.4	0.2	4.1	5.4	4.3	5.2	4.4	6.5	5.4	6.5	20.2	14.0	19.7	35.6	31.3	33.0	53.7	69.2	74.2	83.0	116.0	168.3		
AE02001								-0.6	4.9	6.4	5.3	5.2	5.0	7.1	8.2	9.6	23.2	17.7	23.6	39.9	35.3	36.8	57.3	73.5	78.4	86.1	119.0	172.0		
AE02002									2.6	2.4	2.8	3.6	4.4	7.8	8.7	10.2	24.6	19.3	25.2	42.3	37.9	39.9	61.4	78.8	84.4	93.9	129.8	186.5		
AE02003										-2.5	-3.2	-2.2	-1.8	2.3	3.9	5.8	20.3	16.2	22.7	39.4	35.3	37.6	60.0	77.4	83.5	93.0	129.0	184.9	150.2	
AE02004											0.4	-0.9	0.0	3.9	4.9	6.5	21.9	17.2	23.7	41.0	36.9	39.3	61.1	79.3	85.1	94.6	132.1	191.9	160.1	
AE02005													-0.5	0.9	4.2	5.4	8.0	22.7	17.2	23.3	40.3	35.7	37.8	58.8	75.6	81.0	90.8	126.7	183.7	152.2
AE02006														1.6	3.4	3.9	6.7	22.8	17.6	24.1	42.1	37.2	38.7	59.1	76.4	82.5	92.9	129.4	191.5	162.3
AE02007															2.0	1.7	2.8	17.2	13.9	21.8	38.7	34.7	38.8	60.0	77.6	83.4	93.4	129.9	188.5	158.1
AE02008																-0.1	0.5	13.8	9.2	17.8	34.8	30.1	32.4	52.9	69.6	76.0	88.2	123.3	178.3	147.0
AE02009																	-1.0	7.9	6.5	14.9	32.5	28.9	31.4	49.9	66.1	70.6	79.1	110.3	160.1	127.6
AE02010																	1.8	-1.3	9.1	26.2	23.0	26.8	42.3	57.8	61.1	69.6	100.7	148.1	120.2	
AE02011																		0.6	2.3	15.2	10.0	9.8	26.4	40.2	43.9	51.6	79.6	125.6	101.7	
AE02012																			3.6	10.7	4.0	2.3	14.1	26.8	30.5	38.0	63.9	106.1	82.5	
AE02013																				1.8	1.0	3.1	16.9	20.4	26.4	35.0	62.3	102.6	78.0	
AE02014																					1.9	5.3	20.3	25.4	30.8	39.0	64.2	102.4	77.7	
AE02015																					1.7	14.9	23.9	28.8	35.6	64.5	107.0	81.6		
AE02016																							-0.1	9.6	12.9	19.6	40.3	70.5	45.2	
AE02017																								-2.0	1.9	7.3	31.6	66.0	42.6	
AE02018																									1.5	5.3	18.3	44.3	22.8	
AE02019																										-1.7	10.8	29.1	9.0	
AE02020																											0.8	11.8	-9.7	
AE02021																												-2.2	1.2	
AE02022																														1.5
Average absolute percentage difference	2.6	2.1	2.6	6.4	6.3	5.1	4.4	5.3	5.2	5.0	4.8	4.5	4.4	4.9	5.0	5.4	15.0	10.2	16.8	30.8	25.3	26.1	42.7	54.2	56.2	61.8	87.4	127.2	86.6	

Data source: Historical data are from the U.S. Energy Information Administration open data API (accessed April 2022), <http://www.eia.gov/opa/data/>, series: TOTAL.CLTCPUSA; projections: Annual Energy Outlook, Reference case projections from various editions

Notes: shading indicates overestimation (blue) or underestimation (green).