

Table 13. Total Coal Consumption, Projected vs. Actual

	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	
Projected																												
(million short tons)																												
AEO 1994	920	928	933	938	943	948	953	958	962	967	978	990	987	992	1006	1035	1061	1079										
AEO 1995		935	940	941	947	948	951	954	958	963	971	984	992	996	1002	1013	1025	1039										
AEO 1996			937	942	954	962	983	990	1004	1017	1027	1033	1046	1067	1070	1071	1074	1082	1087	1094	1103	1113	1120					
AEO 1997				948	970	987	1003	1017	1020	1025	1034	1041	1054	1075	1086	1092	1092	1099	1104	1114	1122	1139	1156					
AEO 1998					1009	1051	1044	1058	1087	1084	1090	1097	1112	1130	1142	1148	1160	1162	1180	1184	1188	1203	1215	1221	1225	1239	1250	
AEO 1999						1040	1075	1092	1109	1113	1118	1120	1120	1133	1139	1150	1155	1156	1173	1177	1191	1198	1211	1222	1237	1247	1259	
AEO 2000							1053	1086	1103	1124	1142	1164	1175	1184	1189	1194	1199	1195	1200	1206	1213	1219	1232	1237	1249	1259	1269	
AEO 2001								1078	1112	1135	1153	1165	1183	1191	1220	1228	1228	1235	1240	1244	1251	1254	1261	1269	1279	1280	1286	
AEO 2002									1088	1092	1126	1147	1176	1199	1227	1235	1243	1251	1256	1265	1275	1282	1294	1307	1322	1334	1350	
AEO 2003										1040	1059	1082	1106	1138	1172	1185	1200	1218	1231	1239	1250	1261	1282	1297	1316	1328	1345	
AEO 2004											1100	1098	1126	1156	1183	1193	1216	1229	1240	1254	1266	1277	1291	1311	1327	1339	1363	
AEO 2005												1102	1137	1159	1189	1210	1224	1229	1237	1248	1255	1264	1273	1284	1298	1313	1331	
AEO 2006													1144	1150	1172	1196	1224	1233	1245	1264	1268	1272	1276	1290	1308	1327	1347	
AEO 2007														1135	1147	1152	1169	1195	1222	1233	1245	1272	1282	1299	1315	1331	1350	
AEO 2008															1127	1126	1135	1145	1181	1199	1203	1214	1225	1240	1262	1295	1312	
AEO 2009																1109	1077	1117	1152	1178	1192	1205	1202	1214	1223	1232	1235	
AEO 2010																	1015	1035	1094	1122	1137	1163	1141	1153	1155	1167	1179	
AEO 2011																		1055	1026	1024	1017	1007	1013	1025	1031	1043	1055	
AEO 2012																			1039	984	961	938	914	927	936	950	963	
AEO 2013																				905	934	945	937	880	907	929	953	
AEO 2014																					942	965	964	917	938	957	965	
AEO 2015																						933	921	906	924	933	966	
AEO 2016																							801	801	810	823	824	
AEO 2017																									716	730	739	773
AEO 2018																										728	725	695
AEO 2019																											677	651
AEO 2020																												592
Actual	944	951	962	1006	1030	1037	1039	1084	1060	1066	1095	1107	1126	1112	1128	1121	997	1049	1003	889	924	917	802	731	717	688	587	
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	

Table 13. Total Coal Consumption, 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		-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										
AEO 1995			-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										
AEO 1996				-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					
AEO 1997					-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					
AEO 1998						-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	
AEO 1999							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	
AEO 2000								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	
AEO 2001									-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	
AEO 2002										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	
AEO 2003											-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	
AEO 2004												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	
AEO 2005													-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	
AEO 2006														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	
AEO 2007															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	
AEO 2008																-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	
AEO 2009																	-1.0	7.9	6.5	14.9	32.5	28.9	31.4	49.9	66.1	70.6	79.1	110.3	
AEO 2010																		1.8	-1.3	9.1	26.2	23.0	26.8	42.3	57.8	61.1	69.6	100.7	
AEO 2011																			0.6	2.3	15.2	10.0	9.8	26.4	40.2	43.9	51.6	79.6	
AEO 2012																				3.6	10.7	4.0	2.3	14.1	26.8	30.5	38.0	63.9	
AEO 2013																					1.8	1.0	3.1	16.9	20.4	26.4	35.0	62.3	
AEO 2014																						1.9	5.3	20.3	25.4	30.8	39.0	64.2	
AEO 2015																								1.7	14.9	23.9	28.8	35.6	64.5
AEO 2016																									-0.1	9.6	12.9	19.6	40.3
AEO 2017																										-2.0	1.9	7.3	31.6
AEO 2018																											1.5	5.3	18.3
AEO 2019																												-1.7	10.8
AEO 2020																													0.8
Average Absolute Percent 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	49.3	51.3	56.6	80.4		

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.CLTCPU.S.A. Shading indicates overestimation (blue) or underestimation (green).