

Table 14. Coal Production, Projected vs. Actual

Projected																													
(million short tons)																													
	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	991	1013	1032	1042	1048	1057	1064	1072	1077	1089	1097	1111	1108	1114	1129	1159	1187	1209											
AEO 1995		998	1001	1002	1008	1008	1012	1018	1023	1031	1041	1055	1063	1069	1076	1094	1108	1123											
AEO 1996			1028	1035	1033	1036	1052	1061	1076	1091	1102	1110	1122	1142	1147	1153	1159	1170	1177	1192	1206	1221	1231						
AEO 1997				1019	1044	1063	1079	1096	1100	1106	1113	1122	1133	1157	1168	1176	1179	1187	1196	1212	1222	1241	1259						
AEO 1998					1080	1113	1119	1136	1166	1167	1173	1180	1194	1215	1225	1234	1247	1252	1271	1279	1286	1302	1317	1324	1329	1346	1358		
AEO 1999						1116	1145	1159	1177	1184	1188	1188	1187	1199	1206	1218	1222	1222	1239	1248	1259	1273	1285	1297	1312	1321	1339		
AEO 2000							1111	1127	1143	1165	1180	1201	1208	1216	1222	1228	1232	1228	1232	1238	1245	1248	1259	1265	1277	1287	1296		
AEO 2001								1102	1126	1172	1188	1198	1213	1219	1247	1255	1254	1259	1264	1271	1278	1283	1285	1294	1304	1306	1312		
AEO 2002									1158	1132	1152	1172	1198	1220	1248	1257	1265	1271	1279	1289	1296	1304	1316	1329	1344	1356	1372		
AEO 2003										1076	1089	1091	1111	1141	1174	1186	1200	1217	1226	1235	1248	1258	1276	1289	1308	1320	1337		
AEO 2004											1090	1110	1128	1154	1178	1185	1206	1217	1226	1238	1251	1262	1275	1295	1310	1321	1343		
AEO 2005												1114	1165	1164	1193	1211	1223	1225	1228	1238	1245	1252	1260	1270	1283	1297	1315		
AEO 2006													1132	1151	1190	1209	1239	1247	1253	1266	1267	1265	1263	1272	1285	1289	1301		
AEO 2007														1134	1129	1130	1145	1175	1201	1214	1228	1251	1257	1263	1269	1270	1287		
AEO 2008															1141	1138	1139	1152	1186	1200	1199	1202	1206	1221	1226	1234	1248		
AEO 2009																1144	1096	1131	1169	1194	1207	1216	1203	1203	1204	1203	1211		
AEO 2010																		1068	1049	1107	1138	1149	1170	1146	1157	1158	1173	1179	
AEO 2011																				1087	1050	1045	1036	1022	1031	1042	1050	1060	1070
AEO 2012																				1080	1037	1026	1009	984	994	995	1005	1015	
AEO 2013																					1021	1024	1037	1043	989	1017	1040	1066	
AEO 2014																						1012	1037	1053	1013	1035	1056	1065	
AEO 2015																							978	976	969	990	1001	1036	
AEO 2016																								863	839	844	868	872	
AEO 2017																									731	753	767	803	
AEO 2018																										775	780	729	
AEO 2019																											623	726	
AEO 2020																												671	
Actual	945	1034	1033	1064	1090	1118	1100	1074	1128	1094	1072	1112	1131	1163	1147	1172	1075	1084	1096	1016	985	1000	896	728	774	756	706		
Average Absolute Difference	45	28	12	39	47	52	38	40	41	45	62	40	39	36	46	41	112	110	111	181	209	194	288	424	374	388	425		

Table 14. Coal Production, 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		4.8	-2.0	-0.1	-2.0	-3.9	-5.4	-3.3	-0.2	-4.5	-0.5	2.4	-0.1	-2.1	-4.2	-1.5	-1.1	10.5	11.5									
AEO 1995			-3.5	-3.1	-5.8	-7.5	-9.8	-8.0	-5.2	-9.3	-5.8	-2.9	-5.2	-6.1	-8.1	-6.2	-6.7	3.1	3.6									
AEO 1996				-0.4	-2.7	-5.2	-7.3	-4.4	-1.2	-4.6	-0.3	2.8	-0.2	-0.9	-1.8	0.0	-1.6	7.9	7.9	7.4	17.3	22.4	22.1	37.4				
AEO 1997					-4.2	-4.2	-4.9	-1.9	2.1	-2.5	1.1	3.8	0.9	0.1	-0.5	1.9	0.3	9.7	9.5	9.1	19.2	24.0	24.1	40.5				
AEO 1998						-0.9	-0.4	1.7	5.8	3.4	6.7	9.4	6.1	5.5	4.5	6.8	5.3	16.0	15.4	16.0	25.8	30.6	30.2	47.0	81.8	71.7	78.0	92.3
AEO 1999							-0.1	4.0	8.0	4.3	8.2	10.9	6.8	4.9	3.1	5.2	3.9	13.7	12.7	13.1	22.8	27.8	27.3	43.4	78.1	69.5	74.7	89.6
AEO 2000								1.0	5.0	1.4	6.5	10.1	8.0	6.7	4.6	6.5	4.8	14.6	13.3	12.5	21.8	26.4	24.8	40.6	73.7	65.0	70.2	83.5
AEO 2001									2.6	-0.2	7.1	10.9	7.7	7.2	4.9	8.8	7.1	16.7	16.1	15.4	25.0	29.8	28.2	43.4	77.6	68.4	72.7	85.7
AEO 2002										2.7	3.5	7.5	5.4	5.9	4.9	8.9	7.3	17.7	17.2	16.7	26.8	31.6	30.4	46.8	82.4	73.7	79.3	94.3
AEO 2003											-1.7	1.6	-1.9	-1.8	-1.9	2.4	1.2	11.7	12.2	11.9	21.5	26.8	25.8	42.5	77.0	69.0	74.6	89.2
AEO 2004												1.7	-0.2	-0.3	-0.8	2.8	1.2	12.2	12.2	11.9	21.8	27.0	26.2	42.3	77.8	69.2	74.7	90.2
AEO 2005													0.2	3.0	0.1	4.0	3.3	13.8	12.9	12.1	21.8	26.4	25.2	40.7	74.4	65.7	71.5	86.1
AEO 2006														0.0	-1.0	3.8	3.1	15.2	15.0	14.3	24.5	28.7	26.5	41.0	74.7	66.0	70.5	84.3
AEO 2007															-2.5	-1.5	-3.5	6.5	8.4	9.6	19.5	24.7	25.1	40.3	73.3	64.0	68.0	82.2
AEO 2008																-0.5	-2.9	6.0	6.2	8.2	18.1	21.8	20.2	34.6	67.6	58.4	63.2	76.7
AEO 2009																	-2.3	1.9	4.3	6.7	17.5	22.6	21.6	34.3	65.1	55.6	59.1	71.5
AEO 2010																		-0.6	-3.3	1.0	11.9	16.7	17.0	27.9	58.9	49.6	55.2	67.0
AEO 2011																			0.2	-4.2	2.8	5.2	2.2	15.0	43.0	35.6	40.2	51.5
AEO 2012																				-1.4	2.0	4.2	0.9	9.8	36.5	28.6	32.9	43.7
AEO 2013																					0.5	4.0	3.7	16.4	35.7	31.4	37.6	50.9
AEO 2014																						2.8	3.7	17.5	39.0	33.7	39.7	50.8
AEO 2015																							-2.2	9.0	33.1	27.9	32.4	46.7
AEO 2016																								-3.6	15.2	9.0	14.8	23.4
AEO 2017																									0.4	-2.7	1.4	13.7
AEO 2018																										0.1	0.5	3.3
AEO 2019																											-17.6	2.8
AEO 2020																												-5.0
Average Absolute Percent Difference	4.8	2.7	1.2	3.7	4.4	4.6	3.5	3.7	3.6	4.1	5.8	3.6	3.4	3.1	4.0	3.5	10.5	10.1	10.1	17.8	21.2	19.4	32.1	58.3	48.3	51.3	60.2	

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.CLPRPUS.A. Shading indicates overestimation (blue) or underestimation (green).