

**Table 9. Coal Production, Actual vs. Forecasts**

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	
(million short tons)																			
AEO82	914	939	963	995	1031	1080													
AEO83	900	926	947	974	1010	1045													
AEO84	899	921	948	974	1010	1057													
AEO85	886	909	930	940	958	985	1015	1041	1072	1094	1116								
AEO86		890	920	954	962	983	1017	1044	1073	1097	1126	1142	1156	1176	1191	1217			
AEO87			917	914	932	962	978	996	1020	1043	1068						1149		
AEO89				941	946	977	990	1018	1039	1058	1082	1084	1107	1130	1152	1171			
AEO90					973	987					1085						1178		
AEO91						1035	1002	1016	1031	1043	1054	1065	1079	1096	1111	1133	1142	1160	
AEO92							1004	1040	1019	1034	1052	1064	1074	1087	1102	1133	1144	1156	
AEO93								1039	1043	1054	1065	1076	1086	1094	1102	1125	1136	1148	
AEO94									999	1021	1041	1051	1056	1066	1073	1081	1087	1098	
AEO95										1006	1010	1011	1016	1017	1021	1027	1033	1040	
AEO96											1037	1044	1041	1045	1061	1070	1086	1100	
AEO97												1028	1052	1072	1088	1105	1110	1115	
AEO98													1088	1122	1128	1145	1176	1176	
AEO99														1125	1154	1168	1187	1193	
AEO2000															1120	1136	1153	1174	
AEO2001																1111	1136	1181	
AEO2002																	1168	1141	
AEO2003																		1085	
Actual	884	890	919	950	981	1029	996	998	945	1034	1033	1064	1090	1118	1100	1074	1128	1094	
Average Absolute Error (Across AEOs)	16	27	19	22	30	39	13	31	92	25	59	26	31	39	35	63	35	40	
(percent error)																			
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	
AEO82	3.4	5.5	4.8	4.7	5.1	4.9													
AEO83	1.8	4.0	3.0	2.5	3.0	1.5													
AEO84	1.7	3.5	3.2	2.5	3.0	2.7													
AEO85	0.2	2.1	1.2	-1.1	-2.3	-4.3	1.9	4.4	13.4	5.9	8.0								
AEO86		0.0	0.1	0.4	-1.9	-4.5	2.1	4.7	13.5	6.1	9.0	7.3	6.1	5.2	8.2	13.4			
AEO87		-0.2	-3.8	-5.0	-6.5	-1.8	-0.2	7.9	0.9	3.4							7.0		
AEO89			-0.9	-3.5	-5.1	-0.6	2.1	9.9	2.4	4.7	1.9	1.6	1.1	4.7	9.1				
AEO90				-0.8	-4.1						5.0						9.7		
AEO91					0.6	0.6	1.9	9.1	0.9	2.0	0.1	-1.0	-1.9	1.0	5.5	1.3	6.1		
AEO92						0.8	4.3	7.8	0.0	1.8	0.0	-1.5	-2.7	0.1	5.5	1.4	5.7		
AEO93							4.2	10.3	2.0	3.1	1.1	-0.4	-2.1	0.1	4.8	0.7	5.0		
AEO94								5.7	-1.2	0.8	-1.2	-3.1	-4.6	-2.5	0.7	-3.6	0.4		
AEO95									-2.7	-2.2	-5.0	-6.8	-9.0	-7.2	-4.3	-8.4	-4.9		
AEO96										0.4	-1.9	-4.5	-6.5	-3.6	-0.3	-3.7	0.6		
AEO97											-3.4	-3.5	-4.1	-1.1	2.9	-1.6	1.9		
AEO98												-0.2	0.4	2.5	6.6	4.3	7.5		
AEO99													0.7	4.9	8.8	5.3	9.1		
AEO2000															1.8	5.8	2.2	7.3	
AEO2001																3.4	0.7	7.9	
AEO2002																	3.6	4.3	
AEO2003																		-0.8	
Average Absolute Percent Error (Across AEOs)	1.8	3.0	2.1	2.3	3.1	3.8	1.3	3.1	9.7	2.5	5.7	2.4	2.8	3.5	3.1	5.5	3.1	4.7	

**Table 9. Coal Production, Actual vs. Forecasts**

Absolute Forecasting Errors as Compared to Actual Historical Figures																	
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
AEO82	30	49	44	45	50	51											
AEO83	16	36	28	24	29	16											
AEO84	15	31	29	24	29	28											
AEO85	2	19	11	10	23	44	19	43	127	60	83						
AEO86		0	1	4	19	46	21	46	128	63	93	78	66	58	91	143	
AEO87			2	36	49	67	18	2	75	9	35						75
AEO89				9	35	52	6	20	94	24	49	20	17	12	52	97	
AEO90					8	42					52						104
AEO91						6	6	18	86	9	21	1	11	22	11	59	14
AEO92							8	42	74	0	19	0	16	31	2	59	16
AEO93								41	98	20	32	12	4	24	2	51	8
AEO94									54	13	8	13	34	52	27	7	41
AEO95										28	23	53	74	101	79	47	95
AEO96											4	20	49	73	39	4	42
AEO97												36	38	46	12	31	18
AEO98													2	4	28	71	48
AEO99														7	54	94	59
AEO2000															20	62	25
AEO2001																37	8
AEO2002																	40
AEO2003																	

Actual

Average  
Absolute  
Error  
(Across  
AEOs)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
(absolute percent error)																	
AEO82	3.4	5.5	4.8	4.7	5.1	4.9											
AEO83	1.8	4.0	3.0	2.5	3.0	1.5											
AEO84	1.7	3.5	3.2	2.5	3.0	2.7											
AEO85	0.2	2.1	1.2	1.1	2.3	4.3	1.9	4.4	13.4	5.9	8.0						
AEO86		0.0	0.1	0.4	1.9	4.5	2.1	4.7	13.5	6.1	9.0	7.3	6.1	5.2	8.2	13.4	
AEO87			0.2	3.8	5.0	6.5	1.8	0.2	7.9	0.9	3.4						
AEO89				0.9	3.5	5.1	0.6	2.1	9.9	2.4	4.7	1.9	1.6	1.1	4.7	9.1	
AEO90					0.8	4.1					5.0						
AEO91						0.6	0.6	1.9	9.1	0.9	2.0	0.1	1.0	1.9	1.0	5.5	1.3
AEO92							0.8	4.3	7.8	0.0	1.8	0.0	1.5	2.7	0.1	5.5	1.4
AEO93								4.2	10.3	2.0	3.1	1.1	0.4	2.1	0.1	4.8	0.7
AEO94									5.7	1.2	0.8	1.2	3.1	4.6	2.5	0.7	3.6
AEO95										2.7	2.2	5.0	6.8	9.0	7.2	4.3	8.4
AEO96											0.4	1.9	4.5	6.5	3.6	0.3	3.7
AEO97												3.4	3.5	4.1	1.1	2.9	1.6
AEO98													0.2	0.4	2.5	6.6	4.3
AEO99														0.7	4.9	8.8	5.3
AEO2000															1.8	5.8	2.2
AEO2001																3.4	0.7
AEO2002																	3.6
AEO2003																	

Average  
Absolute  
Percent  
Error  
(Across  
AEOs)

**Table 9. Coal Production, Actual vs. Forecasts**

	2002	
	Average Absolute Error (Across Years)	
AEO82	45	
AEO83	44	
AEO84	49	
AEO85	40	
AEO86	57	
AEO87	37	
AEO89	38	
AEO90	52	
AEO91	66	25
AEO92	62	27
AEO93	54	32
AEO94	4	25
AEO95	54	61
AEO96	6	30
AEO97	21	29
AEO98	82	39
AEO99	99	63
AEO2000	80	47
AEO2001	87	44
AEO2002	48	44
AEO2003	9	9

Actual

Average Absolute Error (Across AEOs)	40
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	2002	Average Absolute
AEO82	4.7	
AEO83	4.5	
AEO84	5.0	
AEO85	4.1	
AEO86	5.5	
AEO87	3.3	
AEO89	3.7	
AEO90	3.3	
AEO91	6.1	2.5
AEO92	5.7	2.6
AEO93	5.0	3.1
AEO94	0.4	2.4
AEO95	4.9	5.6
AEO96	0.6	2.7
AEO97	1.9	2.6
AEO98	7.5	3.6
AEO99	9.1	5.7
AEO2000	7.3	4.3
AEO2001	7.9	4.0
AEO2002	4.3	4.0
AEO2003	0.8	0.8

Average Absolute Percent Error (Across AEOs)	3.8
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