

Table 5. Total Coal Consumption, Actual vs. Forecasts

	Comparison of AEO Consumption Forecasts to Historical Consumption								1993	1994
	1985	1986	1987	1988	1989	1990	1991	1992		
(million short tons)										
AEO82	805	825	843	868	896	936				
AEO83	807	831	848	870	899	928				
AEO84	843	848	866	889	919	958				
AEO85	818	833	842	853	867	891	918	943	970	989
AEO86		813	831	860	870	888	919	945	972	995
AEO87			837	837	854	879	896	912	932	954
AEO89				872	882	894	903	927	947	965
AEO90					884	893				
AEO91						893	902	918	932	943
AEO92							905	934	919	925
AEO93								929	931	940
AEO94									920	928
AEO95										935
AEO96										
AEO97										
AEO98										
AEO99										
AEO2000										
AEO2001										
AEO2002										
Actual	818	804	837	884	895	903	899	907	944	950
Average Absolute Error (Across AEOs)	12	26	10	21	18	21	9	22	18	20
(percent error)										
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
AEO82	-1.6	2.6	0.7	-1.8	0.1	3.7				
AEO83	-1.3	3.4	1.3	-1.6	0.4	2.8				
AEO84	3.1	5.5	3.5	0.6	2.6	6.1				
AEO85	0.0	3.6	0.6	-3.5	-3.2	-1.3	2.1	3.9	2.8	4.1
AEO86		1.1	-0.7	-2.7	-2.8	-1.7	2.2	4.1	3.0	4.7
AEO87			0.0	-5.3	-4.6	-2.6	-0.3	0.5	-1.2	0.4
AEO89				-1.4	-1.5	-1.0	0.4	2.2	0.4	1.6
AEO90					-1.3	-1.1				
AEO91						-1.1	0.3	1.2	-1.2	-0.7
AEO92							0.7	2.9	-2.6	-2.6
AEO93								2.4	-1.3	-1.1
AEO94									-2.5	-2.3
AEO95										-1.6
AEO96										
AEO97										
AEO98										
AEO99										
AEO2000										
AEO2001										
AEO2002										
Average Absolute Percent Error (Across AEOs)	1.5	3.2	1.1	2.4	2.1	2.4	1.0	2.5	1.9	2.1

Table 5. Total Coal Consumption, Actual vs. Forecasts

	Comparison of AEO Consumption Forecasts to Historical Consumption (million short tons)									
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
AEO82										
AEO83	1061									
AEO84	1110									
AEO85	1008									
AEO86	1021	1038	1051	1069	1083	1105				
AEO87	975					1059				
AEO89	987	990	1006	1026	1045	1062				
AEO90	984					1049				
AEO91	948	962	973	984	991	1003	1003	1011.0	1030.0	1056.0
AEO92	934	944	953	961	971	993	1003	1011.0	1020.0	1037.0
AEO93	947	958	965	970	972	987	997	1004.0	1010.0	1018.0
AEO94	933	938	943	948	953	958	962	967.0	978.0	990.0
AEO95	940	941	947	948	951	954	958	963.0	971.0	984.0
AEO96	937	942	954	962	983	990	1004	1017.0	1027.0	1033.0
AEO97		948	970	987	1003	1017	1020	1025.0	1034.0	1041.0
AEO98			1009	1051	1044	1058	1087	1084.0	1090.0	1097.0
AEO99				1040	1075	1092	1109	1113.0	1118.0	1120.0
AEO2000					1053	1086	1103	1124.0	1142.0	1164.0
AEO2001						1078	1112	1134.7	1153.3	1164.9
AEO2002							1088	1091.8	1126.0	1147.3
Actual	962	1006	1030	1038	1045	1080	1050			
Average Absolute Error (Across AEOs)	42	51	57	51	47	57	54.4			

	1995	1996	1997	1998	1999	2000	2001
(percent error)							
AEO82							
AEO83	10.3						
AEO84	15.4						
AEO85	4.8						
AEO86	6.1	3.2	2.0	3.0	3.6	2.3	
AEO87	1.4					-1.9	
AEO89	2.6	-1.6	-2.3	-1.2	0.0	-1.6	
AEO90	2.3					-2.8	
AEO91	-1.5	-4.4	-5.5	-5.2	-5.2	-7.1	-4.5
AEO92	-2.9	-6.2	-7.5	-7.4	-7.1	-8.0	-4.5
AEO93	-1.6	-4.8	-6.3	-6.6	-7.0	-8.6	-5.1
AEO94	-3.0	-6.8	-8.5	-8.7	-8.8	-11.3	-8.4
AEO95	-2.3	-6.5	-8.1	-8.7	-9.0	-11.6	-8.8
AEO96	-2.6	-6.4	-7.4	-7.3	-6.0	-8.3	-4.4
AEO97		-5.8	-5.8	-4.9	-4.0	-5.8	-2.9
AEO98			-2.0	1.2	-0.1	-2.0	3.5
AEO99				0.2	2.8	1.1	5.6
AEO2000					0.7	0.6	5.0
AEO2001						-0.2	5.8
AEO2002							3.5
Average Absolute Percent Error (Across AEOs)	4.4	5.1	5.6	5.0	4.5	5.3	5.2

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	2005	2006	2007	AEO Consumption Forecasts						2013	2014	
				2008	2009	2010	2011	2012				
(million short tons)												
AEO82												
AEO83												
AEO84												
AEO85												
AEO86												
AEO87												
AEO89												
AEO90	1207.0								1388.0			
AEO91	1078.0	1106.0	1136.0	1164.0	1198.0	1244.0						
AEO92	1055.0	1087.0	1116.0	1148.0	1178.0	1213.0						
AEO93	1032.0	1056.0	1077.0	1099.0	1115.0	1135.0						
AEO94	987.0	992.0	1006.0	1035.0	1061.0	1079.0						
AEO95	992.0	996.0	1002.0	1013.0	1025.0	1039.0						
AEO96	1046.0	1067.0	1070.0	1071.0	1074.0	1082.0	1087.0	1094.0	1103.0	1113.0		
AEO97	1054.0	1075.0	1086.0	1092.0	1092.0	1099.0	1104.0	1114.0	1122.0	1139.0		
AEO98	1112.0	1130.0	1142.0	1148.0	1160.0	1162.0	1180.0	1184.0	1188.0	1203.0		
AEO99	1120.0	1133.0	1139.0	1150.0	1155.0	1156.0	1173.0	1177.0	1191.0	1198.0		
AEO2000	1175.0	1184.0	1189.0	1194.0	1199.0	1195.0	1200.0	1206.0	1213.0	1219.0		
AEO2001	1182.5	1191.1	1220.2	1228.4	1228.5	1234.5	1239.9	1243.9	1250.8	1254.1		
AEO2002	1175.9	1198.8	1226.6	1235.1	1243.2	1251.3	1255.9	1265.1	1274.9	1282.4		

Table 5. Total Coal Consumption, Actual vs. Forecasts

	Absolute Forecasting Errors as Compared to Actual Historical Figures									
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
(absolute forecasting errors)										
AEO82	13.0	21.0	6.0	16.0	0.6	33.1				
AEO83	11.0	27.0	11.0	14.0	3.6	25.1				
AEO84	25.0	44.0	29.0	5.0	23.6	55.1				
AEO85	0.0	29.0	5.0	31.0	28.4	11.9	18.9	35.6	26.5	38.9
AEO86		9.0	6.0	24.0	25.4	14.9	19.9	37.6	28.5	44.9
AEO87			0.0	47.0	41.4	23.9	3.1	4.6	11.5	3.9
AEO89				12.0	13.4	8.9	3.9	19.6	3.5	14.9
AEO90					11.4	9.9				
AEO91						9.9	2.9	10.6	11.5	7.1
AEO92							5.9	26.6	24.5	25.1
AEO93								21.6	12.5	10.1
AEO94									23.5	22.1
AEO95										15.1
AEO96										
AEO97										
AEO98										
AEO99										
AEO2000										
AEO2001										
AEO2002										
(absolute percent error)										
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
AEO82	1.6	2.6	0.7	1.8	0.1	3.7				
AEO83	1.3	3.4	1.3	1.6	0.4	2.8				
AEO84	3.1	5.5	3.5	0.6	2.6	6.1				
AEO85	0.0	3.6	0.6	3.5	3.2	1.3	2.1	3.9	2.8	4.1
AEO86		1.1	0.7	2.7	2.8	1.7	2.2	4.1	3.0	4.7
AEO87			0.0	5.3	4.6	2.6	0.3	0.5	1.2	0.4
AEO89				1.4	1.5	1.0	0.4	2.2	0.4	1.6
AEO90					1.3	1.1				
AEO91						1.1	0.3	1.2	1.2	0.7
AEO92							0.7	2.9	2.6	2.6
AEO93								2.4	1.3	1.1
AEO94									2.5	2.3
AEO95										1.6
AEO96										
AEO97										
AEO98										
AEO99										
AEO2000										
AEO2001										
AEO2002										

Table 5. Total Coal Consumption, Actual vs. Forecasts

	Absolute Forecasting Errors as Compared to Actual Historical Figures							Average Absolute Error (Across Years)
	1995	1996	1997	1998	1999	2000	2001	
	(absolute forecasting errors)							
AEO82								15.0
AEO83	99.0							27.2
AEO84	148.0							47.1
AEO85	46.0							24.7
AEO86	59.0	31.7	20.9	30.7	37.7	25.3		27.7
AEO87	13.0							16.5
AEO89	25.0	16.3	24.1	12.3	0.3	17.7		13.2
AEO90	22.0							14.4
AEO91	14.0	44.3	57.1	54.3	54.3	76.7	47.5	32.5
AEO92	28.0	62.3	77.1	77.3	74.3	86.7	47.5	48.7
AEO93	15.0	48.3	65.1	68.3	73.3	92.7	53.5	46.0
AEO94	29.0	68.3	87.1	90.3	92.3	121.7	88.5	69.2
AEO95	22.0	65.3	83.1	90.3	94.3	125.7	92.5	73.5
AEO96	25.0	64.3	76.1	76.3	62.3	89.7	46.5	62.9
AEO97		58.3	60.1	51.3	42.3	62.7	30.5	50.9
AEO98			21.1	12.7	1.3	21.7	36.5	18.7
AEO99				1.7	29.7	12.3	58.5	25.6
AEO2000					7.7	6.3	52.5	22.2
AEO2001						2.0	61.2	31.6
AEO2002							37.2	37.2
Actual								
Average Absolute Error (Across AEOs)							36.0	
Average Absolute Percent Error (Across Years)								
	1995	1996	1997	1998	1999	2000	2001	
	(absolute percent error)							
AEO82								1.7
AEO83	10.3							3.0
AEO84	15.4							5.2
AEO85	4.8							2.7
AEO86	6.1	3.2	2.0	3.0	3.6	2.3		2.9
AEO87	1.4							1.8
AEO89	2.6	1.6	2.3	1.2	0.0	1.6		1.4
AEO90	2.3							1.6
AEO91	1.5	4.4	5.5	5.2	5.2	7.1	4.5	3.2
AEO92	2.9	6.2	7.5	7.4	7.1	8.0	4.5	4.8
AEO93	1.6	4.8	6.3	6.6	7.0	8.6	5.1	4.5
AEO94	3.0	6.8	8.5	8.7	8.8	11.3	8.4	6.7
AEO95	2.3	6.5	8.1	8.7	9.0	11.6	8.8	7.1
AEO96	2.6	6.4	7.4	7.3	6.0	8.3	4.4	6.1
AEO97		5.8	5.8	4.9	4.0	5.8	2.9	4.9
AEO98			2.0	1.2	0.1	2.0	3.5	1.8
AEO99				0.2	2.8	1.1	5.6	2.4
AEO2000					0.7	0.6	5.0	2.1
AEO2001						0.2	5.8	3.0
AEO2002							3.5	3.5
Average Absolute Percent Error (Across AEOs)							3.6	