

Table 88. Domestic Coal Supply, Disposition, and Prices (1 of 1)

	1998	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1998-2020
Sources of Supply(million short tons)																							
Distribution From																							
Appalachia 1/	403.3	374.8	379.9	386.1	391.5	396.8	395.6	384.6	375.2	376.1	383.3	371.2	365.5	366.0	365.4	366.2	363.4	358.2	349.3	339.1	337.1	336.3	-0.8%
Interior	167.3	139.5	149.4	148.6	180.6	172.1	168.8	172.7	168.9	154.1	176.0	146.1	145.6	145.9	146.2	146.5	146.9	146.9	148.3	150.3	152.0	154.9	-0.3%
Northern Great Plains	383.6	463.8	454.6	465.7	441.3	464.7	477.6	492.7	499.5	506.1	506.9	511.6	519.1	523.6	529.4	532.8	541.1	546.7	560.6	575.0	584.3	591.4	2.0%
Other West and Non-Contiguous	97.6	95.7	106.9	111.2	114.4	115.9	116.9	117.3	127.7	140.1	114.8	148.9	152.1	151.2	153.5	153.9	160.7	165.3	170.7	174.3	175.0	175.6	2.7%
Total Distribution (excludes exports) 2/	1051.7	1073.7	1090.7	1111.5	1127.8	1149.5	1158.8	1167.3	1171.3	1176.4	1181.0	1177.7	1182.2	1186.8	1194.5	1199.4	1212.1	1217.1	1228.9	1238.7	1248.4	1258.3	0.8%
Imports	8.7	10.2	12.1	12.3	13.4	14.1	15.3	15.6	16.3	16.5	16.7	17.0	17.2	17.5	17.7	18.0	18.2	18.5	18.7	19.0	19.3	19.5	3.7%
Total Supply	1060.5	1083.9	1102.8	1123.8	1141.3	1163.6	1174.2	1182.9	1187.6	1192.9	1197.7	1194.7	1199.5	1204.2	1212.2	1217.4	1230.4	1235.5	1247.6	1257.7	1267.7	1277.8	0.9%
Consumption (million short tons)																							
Residential/Commercial	6.3	6.7	6.7	6.7	6.7	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	0.4%
Industrial	69.0	70.7	70.5	70.7	71.3	72.0	72.7	73.0	73.2	73.2	73.1	73.2	73.1	73.3	73.5	73.8	74.1	74.1	74.3	74.5	74.8	75.1	0.4%
Coke Plants	28.3	27.4	27.0	26.6	26.2	25.9	25.5	25.2	24.7	24.3	23.9	23.5	23.0	22.6	22.2	21.8	21.5	21.1	20.7	20.4	20.0	19.7	-1.6%
Electricity	938.9	981.3	999.0	1020.1	1037.6	1059.7	1070.2	1079.3	1084.6	1089.3	1095.0	1091.7	1097.3	1102.7	1110.8	1116.7	1129.3	1134.7	1147.0	1157.2	1167.0	1177.2	1.0%
Total Consumption	1042.7	1086.1	1103.2	1124.1	1141.9	1164.4	1175.2	1184.3	1189.3	1193.6	1198.8	1195.2	1200.3	1205.5	1213.4	1219.2	1231.7	1236.9	1248.9	1259.0	1268.8	1279.0	0.9%
Discrepancy 3/	17.7	-2.2	-0.3	-0.3	-0.6	-0.7	-1.0	-1.4	-1.6	-0.7	-1.1	-0.5	-0.8	-1.3	-1.2	-1.9	-1.4	-1.3	-1.3	-1.2	-1.1	-1.1	N/A
Delivered Prices (1998 dollars per short ton)																							
Industrial	32.26	30.52	30.03	29.66	29.46	29.05	28.71	28.50	28.23	28.01	27.75	27.44	27.15	26.89	26.65	26.48	26.27	26.02	25.82	25.63	25.41	25.24	-1.1%
Coke Plants	46.06	46.87	46.32	45.88	45.39	44.99	44.57	44.15	43.86	43.52	43.09	42.93	42.67	42.19	42.02	41.83	41.72	41.32	41.03	40.63	40.35	40.19	-0.6%
Electricity	25.64	25.18	24.34	23.87	23.51	23.24	22.96	22.75	22.60	22.46	21.94	22.13	21.95	21.72	21.54	21.34	21.19	20.94	20.71	20.41	20.15	20.01	-1.1%
Average Price 4/	26.65	26.08	25.25	24.76	24.39	24.09	23.79	23.56	23.39	23.23	22.72	22.86	22.67	22.42	22.22	22.02	21.86	21.60	21.35	21.05	20.78	20.63	-1.2%

1/ Includes waste coal delivered to Independent Power Producers (IPP) that is not included in other Energy Information Administration coal distribution tables. The totals for this table include this waste coal tonnage.

2/ Includes distribution to unknown destinations.

3/ Includes stock changes.

4/ Weighted average excludes residential/commercial prices.

Appalachia: PA, OH, MD, WV, VA, TN, AL, Eastern KY.

Interior: Western KY, IL, IN, IA, MO, KS, OK, AR, TX, LA.

Northern Great Plains: ND, SD, MT, WY.

Other West and Non-Contiguous: CO, UT, AZ, NM, WA, AK.

N/A = Not applicable.

Notes: Totals may not equal sum of components due to independent rounding. The historical data used for the projections were the most available as of July 31, 1999. At that time, most regional data for 1998 were not available. The numbers presented for 1998 are estimates and may differ from official EIA data reports. Also, please see EIA data publications and the Short-Term Energy Outlook for the latest estimates for 1999.

Source: Energy Information Administration, AEO2000 National Energy Modeling System run AEO2K.D100199A.

Table 89. Coal Production and Minemouth Prices by Region (1 of 1)

	1998	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1998-2020	
Production(million short tons/year)																								
Appalachia 2/	469.89	429.21	433.91	439.76	445.47	450.68	449.37	439.46	431.18	433.36	439.87	427.13	420.91	419.93	416.70	415.89	411.59	407.01	398.31	387.60	385.21	385.09	-0.9%	
Interior	168.37	139.69	149.64	148.84	180.84	172.24	168.96	172.81	169.02	154.15	176.07	146.10	145.57	145.94	146.16	146.50	146.94	146.86	148.30	150.31	152.00	154.92	-0.4%	
Northern Great Plains	387.78	468.54	459.16	470.04	445.53	468.77	481.56	496.57	503.28	509.75	510.42	515.02	522.43	526.96	532.82	536.30	544.63	550.22	564.17	578.68	588.05	595.20	2.0%	
Other West and Non-Contiguous	101.60	99.01	110.57	115.33	118.59	120.22	121.19	121.74	132.18	144.62	119.33	153.49	156.76	155.96	158.32	158.73	165.54	170.24	175.71	179.35	180.04	180.70	2.7%	
Appalachia 2/	469.89	429.21	433.91	439.76	445.47	450.68	449.37	439.46	431.18	433.36	439.87	427.13	420.91	419.93	416.70	415.89	411.59	407.01	398.31	387.60	385.21	385.09	-0.9%	
Interior	168.37	139.69	149.64	148.84	180.84	172.24	168.96	172.81	169.02	154.15	176.07	146.10	145.57	145.94	146.16	146.50	146.94	146.86	148.30	150.31	152.00	154.92	-0.4%	
West	489.38	567.55	569.72	585.37	564.11	588.99	602.75	618.30	635.46	654.37	629.75	668.50	679.19	682.92	691.14	695.03	710.17	720.46	739.89	758.04	768.09	775.91	2.1%	
East of Mississippi River	580.06	528.48	548.89	555.38	593.98	594.51	592.72	590.33	581.50	570.48	597.46	559.33	553.80	553.50	550.88	550.83	547.26	542.89	535.81	527.19	526.63	527.94	-0.4%	
West of Mississippi River	547.58	607.97	604.39	618.60	596.45	617.40	628.36	640.25	654.16	671.40	648.22	682.40	691.87	695.29	703.11	706.59	721.44	731.45	750.68	768.76	778.67	787.98	1.7%	
U.S. Total	1127.6	1136.4	1153.3	1174.0	1190.4	1211.9	1221.1	1230.6	1235.7	1241.9	1245.7	1241.7	1245.7	1248.8	1254.0	1257.4	1268.7	1274.3	1286.5	1296.0	1305.3	1315.9	0.7%	
Minemouth Prices(1998 dollars/short ton)																								
Appalachia	26.14	25.51	24.81	24.36	23.85	23.59	23.29	23.10	22.96	22.84	22.46	22.74	22.80	22.64	22.52	22.55	22.46	22.25	22.04	21.82	21.73	21.75	-0.8%	
Interior	17.81	17.58	17.67	17.36	17.73	17.49	17.26	17.33	17.19	16.82	16.97	16.44	16.33	16.16	16.07	15.92	15.91	15.66	15.62	15.39	15.22	15.13	-0.7%	
Northern Great Plains	6.10	5.77	5.49	5.28	5.10	4.98	4.86	4.78	4.72	4.65	4.58	4.47	4.43	4.43	4.42	4.43	4.41	4.43	4.44	4.43	4.42	4.43	-1.4%	
Other West and Non-Contiguous	20.67	19.98	19.62	19.25	19.08	18.77	18.52	18.36	18.24	18.21	18.03	18.07	17.97	17.93	17.89	17.74	17.72	17.65	17.63	17.55	17.38	17.40	-0.8%	
Appalachia	26.14	25.51	24.81	24.36	23.85	23.59	23.29	23.10	22.96	22.84	22.46	22.74	22.80	22.64	22.52	22.55	22.46	22.25	22.04	21.82	21.73	21.75	-0.8%	
Interior	17.81	17.58	17.67	17.36	17.73	17.49	17.26	17.33	17.19	16.82	16.97	16.44	16.33	16.16	16.07	15.92	15.91	15.66	15.62	15.39	15.22	15.13	-0.7%	
West	9.13	8.25	8.24	8.03	8.04	7.80	7.61	7.45	7.54	7.64	7.13	7.59	7.55	7.51	7.51	7.47	7.52	7.55	7.57	7.53	7.46	7.45	-0.9%	
East of Mississippi River	24.99	24.36	23.68	23.24	22.65	22.40	22.08	21.84	21.65	21.55	21.18	21.36	21.34	21.17	21.04	21.00	20.91	20.67	20.46	20.18	20.03	20.01	-1.0%	
West of Mississippi River	9.59	8.57	8.45	8.24	8.24	7.97	7.77	7.59	7.65	7.75	7.25	7.68	7.63	7.59	7.59	7.55	7.59	7.63	7.64	7.60	7.53	7.53	-1.1%	
U.S. Total	17.51	15.91	15.69	15.33	15.43	15.05	14.71	14.43	14.24	14.09	13.93	13.84	13.73	13.61	13.50	13.44	13.34	13.18	12.98	12.72	12.57	12.54	-1.5%	

1/ Coal Production Regions:

Appalachia: PA, OH, MD, WV, VA, TN, AL, Eastern KY.

Interior: Western KY, IL, IN, IA, MO, KS, OK, AR, TX, LA.

Northern Great Plains: ND, SD, MT, WY.

Other West and Non-Contiguous: CO, UT, AZ, NM, WA, AK.

2/ Includes waste coal delivered to Independent Power Producers (IPP) that is not included in other Energy Information Administration coal distribution tables. The totals for this table include this waste coal tonnage.

N/A = Not applicable

Notes: Totals may not equal sum of components due to independent rounding. The historical data used for the projections were the most available as of July 31, 1999. At that time, most regional data for 1998 were not available. The numbers presented for 1998 are estimates and may differ from official EIA data reports. Also, please see EIA data publications and the Short-Term Energy Outlook for the latest estimates for 1999.

Source: Energy Information Administration, AEO2000 National Energy Modeling System run AEO2K.D100199A.

Table 90. Coal Production by Region and Type (million short tons per year) (1 of 2)

	1998	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1998-2020	
Northern Appalachia	167.25	173.67	194.83	206.27	222.86	220.44	206.43	189.35	180.06	181.77	196.05	183.86	177.13	182.31	180.15	179.92	174.52	174.50	173.51	172.94	170.45	167.96	0.0%	
Medium Sulfur (Premium) 1/	5.39	11.06	11.55	11.54	11.51	11.68	11.00	10.61	10.59	10.09	9.75	9.15	9.02	8.96	9.07	8.84	8.78	7.90	7.42	7.39	7.13	6.25	0.7%	
Low Sulfur (Bituminous) 2/	2.82	16.72	11.04	11.55	9.86	11.60	12.88	14.16	17.75	19.59	16.61	23.34	25.48	26.20	25.81	25.68	25.16	23.76	21.44	18.44	16.72	17.56	8.7%	
Medium Sulfur (Bituminous) 2/	80.84	78.01	107.50	117.75	119.67	121.80	113.09	96.55	85.84	86.66	102.03	93.09	84.13	88.39	86.03	84.18	78.77	80.71	82.15	84.25	83.50	81.98	0.1%	
High Sulfur (Bituminous)	68.70	52.23	51.30	52.16	67.52	62.99	56.60	54.93	52.44	51.61	53.35	43.82	43.78	43.76	43.77	45.43	45.45	45.42	45.40	45.38	45.35	44.04	-2.0%	
High Sulfur (Gob) 3/	9.50	15.64	13.43	13.28	14.31	12.38	12.86	13.09	13.44	13.81	14.30	14.45	14.72	15.00	15.47	15.79	16.36	16.71	17.10	17.48	17.75	18.12	3.0%	
Central Appalachia	276.93	240.20	226.87	221.71	210.96	219.82	233.41	241.05	242.55	242.90	235.96	233.67	233.97	227.81	227.04	226.20	227.48	223.37	216.14	206.47	206.89	208.94	-1.3%	
Medium Sulfur (Premium) 1/	59.75	46.71	45.56	45.17	45.50	45.84	46.20	46.58	46.92	47.27	46.01	44.99	45.72	43.66	42.55	42.61	42.67	43.64	44.14	44.07	44.22	45.14	-1.3%	
Low Sulfur (Bituminous)	72.74	68.03	65.17	63.12	53.27	60.75	68.75	68.72	69.21	68.87	68.13	79.49	86.96	90.18	90.46	89.80	91.23	88.21	82.97	74.91	75.38	74.77	0.1%	
Medium Sulfur (Bituminous)	144.45	125.46	116.14	113.43	112.20	113.22	118.46	125.76	126.42	126.75	121.83	109.20	101.29	93.97	94.03	93.79	93.58	91.51	89.03	87.49	87.29	89.03	-2.2%	
Southern Appalachia	25.71	15.34	12.21	11.79	11.65	10.42	9.53	9.06	8.57	8.70	7.85	9.59	9.81	9.82	9.50	9.77	9.59	9.13	8.65	8.20	7.87	8.19	-5.1%	
Low Sulfur (Premium) 1/	5.82	6.01	6.04	5.82	5.76	5.17	4.86	4.74	4.22	4.17	3.96	3.98	3.54	3.46	3.23	3.34	3.29	3.01	2.81	2.73	2.69	2.49	-3.8%	
Low Sulfur (Bituminous)	7.53	3.49	2.79	2.65	2.41	2.20	2.01	1.83	1.86	2.04	1.41	3.13	3.79	3.87	3.79	3.93	3.81	3.63	3.33	2.95	2.65	2.79	-4.4%	
Medium Sulfur (Bituminous)	12.36	5.84	3.38	3.31	3.47	3.05	2.66	2.49	2.49	2.49	2.48	2.48	2.48	2.48	2.48	2.49	2.50	2.50	2.51	2.52	2.53	2.91	-6.4%	
Eastern Interior	110.18	99.27	114.98	115.61	148.51	143.83	143.35	150.87	150.32	137.12	157.59	132.20	132.89	133.57	134.19	134.94	135.67	135.88	137.50	139.59	141.42	142.85	1.2%	
Medium Sulfur (Bituminous)	36.24	38.31	53.45	55.72	62.02	57.72	57.27	65.01	64.73	53.20	71.72	57.70	61.62	59.35	62.39	61.91	61.93	63.43	63.66	63.83	65.18	65.41	2.7%	
High Sulfur (Bituminous)	73.94	60.95	61.53	59.89	86.49	86.11	86.08	85.86	85.59	83.92	85.87	74.51	71.27	74.22	71.79	73.03	73.74	72.45	73.85	75.75	76.24	77.44	0.2%	
Western Interior High Sulfur (Bituminous)	2.40	2.20	1.94	1.86	1.86	1.87	1.88	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.90	1.91	1.91	1.91	1.92	1.93	1.93	1.94	-1.0%
Gulf	55.80	38.22	32.73	31.38	30.47	26.54	23.73	20.05	16.81	15.14	16.59	12.00	10.79	10.48	10.07	9.66	9.36	9.07	8.87	8.80	8.65	10.13	-7.5%	
Medium Sulfur (Lignite)	28.94	20.30	7.37	6.84	6.32	5.76	5.31	4.93	4.93	4.93	4.93	4.93	4.92	4.93	4.93	4.95	4.97	4.97	4.99	5.00	5.02	6.75	-6.4%	
High Sulfur (Lignite)	26.86	17.92	25.35	24.54	24.15	20.78	18.41	15.13	11.87	10.21	11.66	7.08	5.87	5.56	5.14	4.71	4.39	4.09	3.89	3.80	3.64	3.38	-9.0%	
Dakota Medium Sulfur (Lignite)	30.86	31.37	31.14	32.64	34.05	34.64	34.71	34.75	34.76	34.77	35.51	28.86	27.22	27.34	26.25	24.43	23.65	22.63	21.92	22.27	21.70	19.52	-2.1%	
Powder/Green River	356.92	437.17	428.01	437.39	411.47	434.12	446.85	461.82	468.51	474.98	474.91	486.16	495.21	499.62	506.57	511.86	520.97	527.59	542.25	556.42	566.35	575.69	2.2%	
Low Sulfur (Bituminous)	1.72	1.16	1.15	1.16	0.89	0.45	0.25	0.21	0.21	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	-9.4%	
Low Sulfur (Sub-Bituminous)	318.84	384.71	392.86	402.98	381.42	399.77	409.89	421.29	424.80	429.33	429.63	436.95	444.59	448.26	454.43	458.97	467.43	473.43	487.52	501.19	510.48	517.13	2.2%	
Medium Sulfur (Sub-Bituminous)	36.36	51.31	34.00	33.26	29.16	33.90	36.72	40.32	43.50	45.45	45.08	49.00	50.42	51.16	51.94	52.70	53.34	53.96	54.54	55.03	55.68	58.36	2.2%	
Rocky Mountain	55.71	61.98	73.10	77.46	80.35	82.07	83.39	84.28	95.07	107.85	82.90	117.39	121.00	120.52	123.21	123.95	131.08	136.10	141.89	145.84	146.84	147.81	4.5%	
Low Sulfur (Bituminous)	45.78	53.68	66.46	71.16	74.69	76.98	78.80	80.16	91.36	104.50	79.89	114.68	118.56	118.33	121.24	122.18	129.48	134.66	140.60	144.66	145.79	146.60	5.4%	
Low Sulfur (Sub-Bituminous)	9.93	8.30	6.64	6.29	5.66	5.10	4.59	4.13	3.72	3.34	3.01	2.71	2.44	2.19	1.97	1.78	1.60	1.44	1.30	1.18	1.05	1.21	-9.1%	
Arizona/New Mexico	39.91	31.56	31.98	32.37	32.76	32.70	32.38	32.06	31.74	31.43	31.12	30.81	30.50	30.20	29.91	29.61	29.32	29.03	28.75	28.46	28.18	27.91	-1.6%	
Low Sulfur (Bituminous)	26.76	23.17	23.41	23.63	23.85	23.78	23.54	23.31	23.08	22.84	22.62	22.39	22.17	21.95	21.73	21.51	21.29	21.08	20.87	20.66	20.46	20.25	-1.3%	
Medium Sulfur (Sub-Bituminous)	13.16	8.39	8.57	8.74	8.91	8.92	8.83	8.75	8.67	8.58	8.50	8.42	8.34	8.26	8.18	8.10	8.03	7.95	7.88	7.80	7.73	7.65	-2.4%	

Table 90. Coal Production by Region and Type (million short tons per year) (2 of 2)

	1998	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1998-2020
Washington/Alaska																							
Medium Sulfur (Sub-Bituminous)	5.98	5.47	5.48	5.51	5.48	5.45	5.42	5.39	5.37	5.34	5.31	5.29	5.26	5.23	5.20	5.17	5.14	5.11	5.08	5.05	5.02	4.99	-0.8%
Subtotals: All Regions																							
Premium Metallurgical 1/	70.96	63.77	63.15	62.52	62.77	62.69	62.07	61.93	61.73	61.54	59.71	58.12	58.28	56.09	54.85	54.79	54.73	54.55	54.37	54.20	54.04	53.88	-1.2%
Bituminous	576.26	529.27	565.27	577.39	618.19	622.52	622.26	620.88	622.86	624.58	628.04	625.92	623.61	624.78	625.61	626.03	629.05	629.48	627.92	622.95	623.22	624.93	0.4%
Sub-Bituminous	384.26	458.18	447.56	456.77	430.63	453.13	465.45	479.88	486.05	492.04	491.53	502.37	511.05	515.11	521.72	526.72	535.54	541.89	556.30	570.25	579.95	589.33	2.0%
Lignite	96.16	85.23	77.30	77.30	78.83	73.56	71.30	67.89	65.01	63.73	66.39	55.31	52.73	52.82	51.80	49.88	49.37	48.41	47.90	48.55	48.10	47.77	-3.1%
Low Sulfur	491.93	565.27	575.57	588.36	557.81	585.80	605.56	618.54	636.19	654.90	625.46	686.87	707.72	714.65	722.86	727.38	743.49	749.42	761.03	766.92	775.42	783.00	2.1%
Medium Sulfur	454.32	422.23	424.14	433.90	438.29	441.98	439.68	441.15	434.22	425.54	453.15	413.11	400.41	393.72	393.06	389.17	383.35	384.33	383.30	384.69	384.98	387.99	-0.7%
High Sulfur	181.40	148.95	153.55	151.72	194.33	184.13	175.84	170.89	165.24	161.44	167.07	141.74	137.53	140.43	138.07	140.86	141.85	140.58	142.15	144.33	144.90	144.93	-1.0%
U.S. Total	1127.6	1136.4	1153.3	1174.0	1190.4	1211.9	1221.1	1230.6	1235.7	1241.9	1245.7	1241.7	1245.7	1248.8	1254.0	1257.4	1268.7	1274.3	1286.5	1295.9	1305.3	1315.9	0.7%

1/ "Premium" coal is used to make metallurgical coke.

2/ Includes Pennsylvania anthracite.

3/ Waste coal delivered to Independent Power Producers (IPP) that is not included in other Energy Information Administration coal production tables. The totals for this table include this waste coal tonnage.

Northern Appalachia: PA,MD,OH,N.WV (PA anthracite is included under low and medium sulfur bituminous).

Central Appalachia: S.WV,VA,E.KY

Southern Appalachia: AL,TN.

Eastern Interior: IL,IN,W.KY.

Western Interior (Bituminous Only): IA,MO,KS,OK,AR,TX.

Gulf (Lignite Only): TX,LA,AR.

Dakota: ND,SD,E.MT(Lignite Only).

Powder/Green River: WY,MT(Sub-Bituminous and Bituminous)

Rocky Mountains: CO,UT.

Sulfur Definitions:

Low Sulfur: 0 - 0.60 pounds of sulfur per million Btu.

Medium Sulfur: 0.61 - 1.67 pounds of sulfur per million Btu.

High Sulfur: Over 1.67 pounds of sulfur per million Btu.

Btu = British thermal unit.

Notes: Totals may not equal sum of components due to independent rounding. The historical data used for the projections were the most available as of July 31, 1999. At that time, most regional data for 1998 were not available. The numbers presented for 1998 are estimates and may differ from official EIA data reports.

Also, please see EIA data publications and the Short-Term Energy Outlook for the latest estimates for 1999.

Source: Energy Information Administration, AEO2000 National Energy Modeling System run AEO2K.D100199A.

Table 91. Coal Prices by Region and Type (1998 Dollars per Short Ton) (1 of 2)

	1998	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1998-2020
Northern Appalachia	24.35	24.61	24.10	23.67	23.17	23.01	22.50	22.20	22.07	21.92	21.43	21.75	21.77	21.57	21.42	21.39	21.24	20.94	20.61	20.31	20.13	20.11	-0.9%
Medium Sulfur (Premium) 1/	38.75	39.37	38.77	38.20	37.81	37.52	36.99	36.62	36.44	36.07	35.71	35.71	35.53	35.18	35.21	35.05	35.20	34.92	34.74	34.44	34.27	34.23	-0.6%
Low Sulfur (Bituminous) 2/	32.30	36.08	34.21	33.70	32.99	33.24	32.99	33.05	33.24	33.37	32.48	33.38	33.44	33.13	32.94	32.92	32.80	32.56	32.37	32.10	31.90	32.05	0.0%
Medium Sulfur (Bituminous) 2/	24.94	24.05	24.13	23.66	23.21	22.81	22.21	21.79	21.27	20.99	20.94	20.66	20.41	20.25	20.04	20.04	19.88	19.80	19.71	19.65	19.61	19.61	-1.1%
High Sulfur (Bituminous)	24.16	22.62	22.03	21.58	21.88	21.39	20.75	20.31	19.87	19.65	19.54	18.98	18.88	18.68	18.67	18.75	18.56	18.46	18.36	18.35	18.33	18.23	-1.3%
High Sulfur (Gob) 3/	10.25	11.40	10.86	10.55	10.44	10.03	9.88	9.77	9.72	9.62	9.42	9.45	9.44	9.47	9.60	9.78	9.92	10.00	10.09	10.23	10.37	10.54	0.1%
Central Appalachia	26.21	25.47	24.80	24.41	23.94	23.64	23.53	23.39	23.23	23.15	22.97	23.07	23.13	23.04	22.97	23.02	22.96	22.86	22.79	22.69	22.68	22.69	-0.7%
Medium Sulfur (Premium) 1/	29.17	28.15	27.59	27.29	26.75	26.35	26.22	25.96	25.83	25.79	25.58	25.56	25.31	25.31	25.44	25.44	25.31	25.29	25.15	25.15	25.15	25.27	-0.7%
Low Sulfur (Bituminous)	26.87	26.48	25.72	25.35	24.63	24.56	24.68	24.49	24.36	24.22	24.16	24.42	24.57	24.42	24.36	24.41	24.36	24.22	24.14	24.02	23.95	23.98	-0.5%
Medium Sulfur (Bituminous)	24.66	23.92	23.19	22.74	22.46	22.04	21.82	21.83	21.66	21.59	21.32	21.06	20.80	20.67	20.57	20.59	20.48	20.37	20.29	20.32	20.33	20.30	-0.9%
Southern Appalachia	36.98	36.25	36.30	35.67	35.31	34.93	34.50	34.30	33.76	33.53	33.01	33.50	33.36	33.08	32.85	32.87	32.81	32.38	32.11	31.72	31.50	31.25	-0.8%
Low Sulfur (Premium) 1/	43.17	42.97	42.38	41.80	41.41	41.10	40.55	40.15	39.93	39.53	39.13	39.08	38.86	38.46	38.44	38.23	38.34	38.00	37.77	37.42	37.20	37.11	-0.7%
Low Sulfur (Bituminous)	38.83	35.76	34.49	33.85	33.47	32.96	32.43	32.04	31.85	32.20	30.72	33.47	34.06	33.80	33.61	33.58	33.45	33.20	33.00	32.50	32.28	32.44	-0.8%
Medium Sulfur (Bituminous)	32.93	29.62	26.92	26.37	26.48	25.88	25.01	24.83	24.72	24.57	24.58	24.59	24.45	24.43	24.41	24.54	24.56	24.43	24.57	24.61	24.61	25.09	-1.2%
Eastern Interior	20.11	19.41	19.39	18.96	19.03	18.64	18.28	18.17	17.88	17.46	17.60	16.92	16.74	16.54	16.42	16.23	16.21	15.92	15.87	15.61	15.41	15.33	-1.2%
Medium Sulfur (Bituminous)	20.31	19.93	20.22	19.74	19.56	19.18	18.83	18.81	18.62	18.07	18.40	17.62	17.50	17.33	17.20	17.04	17.03	16.73	16.66	16.39	16.18	16.11	-1.0%
High Sulfur (Bituminous)	20.01	19.09	18.68	18.23	18.65	18.28	17.91	17.69	17.32	17.08	16.93	16.38	16.09	15.91	15.74	15.55	15.51	15.22	15.18	14.95	14.76	14.66	-1.4%
Western Interior High Sulfur (Bituminous)	23.83	24.06	23.34	23.22	23.22	23.33	23.44	23.43	23.54	23.52	23.51	23.49	23.36	23.35	23.33	23.44	23.43	23.53	23.63	23.62	23.60	23.71	0.0%
Gulf	13.00	12.43	11.26	11.11	11.04	10.86	10.61	10.42	10.28	10.17	10.23	10.06	10.00	10.02	10.03	10.02	10.02	10.08	10.06	10.08	10.09	10.67	-0.9%
Medium Sulfur (Lignite)	14.66	14.06	12.32	12.18	12.08	11.99	11.80	11.70	11.75	11.75	11.75	11.75	11.70	11.70	11.70	11.64	11.63	11.69	11.62	11.61	11.61	12.07	-0.9%
High Sulfur (Lignite)	11.21	10.58	10.95	10.81	10.77	10.55	10.26	10.00	9.67	9.41	9.59	8.88	8.58	8.54	8.43	8.31	8.19	8.13	8.06	8.06	8.00	7.87	-1.6%
Dakota Medium Sulfur (Lignite)	8.10	7.91	7.75	7.64	7.56	7.45	7.34	7.27	7.24	7.24	7.24	7.05	6.85	6.79	6.71	6.65	6.56	6.51	6.45	6.43	6.37	6.27	-1.2%
Powder/Green River	W	5.62	5.33	5.11	4.90	4.78	4.67	4.59	4.54	4.46	4.38	4.31	4.29	4.30	4.30	4.32	4.32	4.34	4.35	4.35	4.34	4.37	W
Low Sulfur (Bituminous)	W	19.11	20.86	22.53	23.45	23.23	22.96	22.96	23.07	23.30	23.52	23.75	23.87	24.10	24.33	24.45	24.69	25.05	25.17	25.41	25.66	25.78	W
Low Sulfur (Sub-Bituminous)	W	5.39	5.18	4.95	4.76	4.64	4.53	4.44	4.37	4.29	4.20	4.12	4.10	4.10	4.10	4.12	4.12	4.14	4.16	4.16	4.16	4.18	W
Medium Sulfur (Sub-Bituminous)	W	7.03	6.54	6.38	6.20	6.23	6.13	6.10	6.07	6.00	5.96	5.96	5.92	5.97	5.97	5.95	5.94	5.97	5.99	5.99	5.99	6.02	W
Rocky Mountain	19.14	18.60	18.36	17.91	17.72	17.28	17.01	16.80	16.87	17.00	16.39	16.94	16.87	16.83	16.83	16.68	16.72	16.71	16.75	16.69	16.52	16.55	-0.7%
Low Sulfur (Bituminous)	19.15	18.63	18.43	17.97	17.78	17.33	17.06	16.85	16.92	17.05	16.44	16.99	16.92	16.88	16.87	16.72	16.76	16.74	16.78	16.72	16.54	16.58	-0.7%
Low Sulfur (Sub-Bituminous)	19.09	18.44	17.60	17.34	16.99	16.56	16.15	15.83	15.59	15.28	15.13	14.82	14.60	14.46	14.17	13.96	13.68	13.48	13.28	13.15	13.03	13.10	-1.7%
Arizona/New Mexico	W	22.04	21.84	21.73	21.71	21.77	21.64	21.69	21.58	21.58	21.57	21.57	21.46	21.41	21.41	21.30	21.30	21.20	21.09	21.09	20.93	20.98	W
Low Sulfur (Bituminous)	W	23.59	23.35	23.22	23.22	23.33	23.20	23.20	23.08	23.08	23.08	23.08	22.97	22.97	22.97	22.85	22.85	22.74	22.62	22.62	22.40	22.51	W
Medium Sulfur (Sub-Bituminous)	W	17.74	17.73	17.70	17.69	17.59	17.50	17.67	17.57	17.56	17.55	17.55	17.46	17.28	17.28	17.20	17.20	17.11	17.03	17.03	17.03	16.94	W

Table 91. Coal Prices by Region and Type (1998 Dollars per Short Ton) (2 of 2)

	1998	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1998-2020
Washington/Alaska																							
Medium Sulfur (Sub-Bituminous)	W	23.75	23.52	23.40	23.17	23.05	22.93	22.93	22.82	22.82	22.82	22.82	22.93	22.93	22.93	22.82	22.82	22.70	22.59	22.59	22.59	22.47	W
Average by Type: All Regions																							
Premium Metallurgical 1/	31.05	31.49	31.05	30.65	30.12	29.65	29.25	28.87	28.61	28.41	28.13	28.10	27.91	27.70	27.72	27.77	27.78	27.40	27.23	27.03	26.95	26.86	-0.7%
Bituminous	23.95	23.26	22.52	22.08	21.61	21.32	21.03	20.81	20.58	20.45	20.26	20.28	20.23	20.12	20.00	19.93	19.82	19.61	19.41	19.15	18.98	18.98	-1.1%
Sub-Bituminous	6.95	6.25	5.93	5.69	5.52	5.37	5.23	5.13	5.05	4.95	4.86	4.78	4.74	4.72	4.72	4.71	4.71	4.71	4.69	4.68	4.70	4.70	-1.8%
Lignite	11.16	10.58	9.78	9.55	9.43	9.12	8.89	8.69	8.54	8.45	8.46	8.33	8.22	8.19	8.22	8.29	8.33	8.38	8.42	8.46	8.51	8.82	-1.1%
Low Sulfur	12.51	11.65	11.04	10.67	10.34	10.25	10.25	10.07	10.22	10.32	9.71	10.62	10.79	10.79	10.72	10.66	10.64	10.49	10.24	9.88	9.72	9.71	-1.1%
Medium Sulfur	22.02	20.69	21.22	20.87	20.66	20.20	19.74	19.42	19.06	18.84	18.74	18.40	18.13	17.91	17.79	17.78	17.68	17.55	17.47	17.37	17.30	17.25	-1.1%
High Sulfur	19.82	18.57	17.90	17.57	18.23	17.97	17.50	17.31	17.03	16.86	16.68	16.20	16.04	15.89	15.81	15.80	15.73	15.55	15.50	15.38	15.29	15.20	-1.2%
U.S. Average	17.51	15.91	15.69	15.33	15.43	15.05	14.71	14.43	14.24	14.09	13.93	13.84	13.73	13.61	13.50	13.44	13.34	13.18	12.98	12.72	12.57	12.54	-1.5%

1/ "Premium" coal is used to make metallurgical coke.

2/ Includes Pennsylvania anthracite.

3/ Waste coal delivered to Independent Power Producers (IPP) that is not included in other Energy Information Administration coal tables. The averages for this table include this waste coal tonnage.

Northern Appalachia: PA,MD,OH,N.WV (PA. anthracite is included under low and medium sulfur bituminous).

Central Appalachia: S.WV,VA,E.KY

Southern Appalachia: AL,TN.

Eastern Interior: IL,IN,W.KY.

Western Interior (Bituminous Only): IA,MO,KS,OK,AR,TX.

Gulf (Lignite Only): TX,LA,AR.

Dakota: ND,SD,E.MT(Lignite Only).

Powder/Green River: WY,MT(Sub-Bituminous and Bituminous)

Rocky Mountains: CO,UT.

Sulfur Definitions:

Low Sulfur: 0 - 0.60 pounds of sulfur per million Btu.

Medium Sulfur: 0.61 - 1.67 pounds of sulfur per million Btu.

High Sulfur: Over 1.67 pounds of sulfur per million Btu.

Btu = British thermal unit.

W = Withheld.

Notes: Totals may not equal sum of components due to independent rounding. The historical data used for the projections were the most available as of July 31, 1999. At that time, most regional data for 1998 were not available. The numbers presented for 1998 are estimates and may differ from official EIA data reports.

Also, please see EIA data publications and the Short-Term Energy Outlook for the latest estimates for 1999.

Source: Energy Information Administration, AEO2000 National Energy Modeling System run AEO2K.D100199A.

Table 92. World Steam Coal Flows By Importing Regions and Exporting Countries 1,2/ (1 of 2)
(Million Short Tons)

	1998	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1998-2020
Steam Coal Exports to Europe 3/																							
Australia	11.2	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.7	10.1	10.0	9.5	9.0	8.9	8.8	8.6	8.5	8.4	8.0	7.9	8.2	-1.4%
United States	8.4	9.7	9.9	10.1	9.9	9.7	10.1	11.2	12.3	13.5	14.3	15.0	14.1	14.1	12.4	10.4	7.5	8.7	8.8	8.0	7.3	7.7	-0.4%
South Africa	45.9	42.2	42.9	43.6	43.9	44.9	45.5	44.6	44.8	44.9	45.0	45.1	46.0	46.9	47.7	48.6	49.5	47.7	46.4	46.2	46.2	46.3	0.0%
Former U.S.S.R	8.9	11.0	11.1	11.2	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	1.4%
Poland	14.4	13.2	12.8	12.4	12.0	11.6	11.2	10.6	10.0	9.3	8.7	8.0	7.8	7.5	7.3	7.0	6.7	6.5	6.2	6.0	5.8	5.5	-4.3%
Canada	0.7	4.2	4.3	4.4	5.6	6.1	6.3	5.5	4.9	4.9	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	9.4%
China	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
South America	25.5	28.4	29.0	29.6	30.2	30.8	31.4	31.7	32.0	32.4	32.7	33.6	33.6	34.5	34.9	35.6	37.2	37.2	38.1	39.0	39.3	38.1	1.8%
Indonesia 4/	2.5	8.5	8.9	9.3	9.3	9.4	9.3	9.3	8.1	6.2	4.2	2.3	2.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	N/A
Total	119.8	126.3	128.1	129.8	131.6	133.4	135.1	134.4	133.6	132.7	131.9	131.2	130.2	129.2	128.4	127.6	127.0	126.0	125.2	124.5	123.8	123.0	0.1%
Steam Coal Exports to Asia																							
Australia	77.3	90.9	95.4	99.8	105.0	110.3	114.8	118.3	121.8	125.2	128.7	132.2	133.6	134.9	136.3	137.7	139.0	140.5	142.1	143.6	145.1	146.6	3.0%
United States	5.0	3.3	3.7	4.1	4.2	4.3	4.3	4.4	4.4	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.9	4.9	5.0	5.0	5.1	5.1	0.1%
South Africa	14.8	26.7	27.4	28.1	29.1	29.4	30.2	32.0	32.9	33.8	34.6	35.5	35.7	36.0	36.3	36.5	36.8	38.6	40.1	40.2	40.3	40.3	4.7%
Former U.S.S.R	2.5	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.9	2.0%
Poland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Canada	5.2	2.9	3.2	3.4	2.6	2.4	2.5	3.7	4.8	5.2	5.6	6.0	5.9	4.0	4.1	4.3	4.5	3.1	2.2	2.5	2.9	3.3	-2.0%
China	25.7	34.6	35.5	36.3	37.1	38.0	38.8	39.2	39.7	40.1	40.6	41.0	41.4	41.9	42.3	42.8	43.2	43.9	44.5	45.2	45.9	46.5	2.7%
South America	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Indonesia 4/	39.9	46.7	47.5	48.5	49.7	51.0	52.2	52.9	54.6	57.2	59.7	62.2	63.4	66.5	67.5	68.5	69.4	70.5	71.6	72.7	73.7	74.8	2.9%
Total	170.3	207.8	215.3	222.9	230.5	238.0	245.6	253.3	261.0	268.7	276.5	284.2	287.6	291.1	294.4	297.8	301.1	305.1	309.0	312.8	316.7	320.6	2.9%
Steam Coal Export to America																							
Australia	2.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	1.3	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	-4.6%
United States	17.6	12.5	12.0	11.5	11.1	10.8	10.4	10.1	9.8	9.5	9.2	8.9	8.6	9.0	8.9	9.0	10.1	9.4	9.4	9.6	9.7	9.9	-2.6%
South Africa	0.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	8.4%
Former U.S.S.R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Poland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Canada	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
China	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
South America	9.9	17.2	18.7	20.3	21.8	23.4	24.9	25.4	25.8	26.3	26.7	26.6	27.5	27.5	28.0	28.3	27.6	28.8	29.1	29.3	29.5	29.8	5.1%
Indonesia 4/	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total	33.0	32.7	33.7	34.8	36.0	37.2	38.4	38.6	38.8	38.9	39.1	39.3	39.3	39.7	40.2	40.6	40.9	41.4	41.8	42.1	42.5	42.9	1.2%

**Table 92. World Steam Coal Flows By Importing Regions and Exporting Countries 1,2/ (2 of 2)
(Million Short Tons)**

	1998	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1998- 2020
Total Steam Coal Exports 5/																							
Australia	92.2	100.6	105.2	109.8	115.1	120.4	125.1	128.7	132.3	135.7	139.5	143.5	143.8	144.8	146.0	147.2	148.5	149.9	151.3	152.4	153.8	155.7	2.4%
United States	31.0	25.5	25.5	25.7	25.2	24.7	24.8	25.7	26.5	27.5	28.1	28.5	27.4	27.8	26.1	24.3	22.5	23.0	23.2	22.6	22.2	22.7	-1.4%
South Africa	66.3	71.3	72.7	74.0	75.4	76.7	78.0	79.0	80.0	81.0	82.0	83.0	84.2	85.3	86.4	87.6	88.7	88.8	88.8	88.9	88.9	89.0	1.3%
Former U.S.S.R	11.4	13.7	13.8	13.9	14.1	14.2	14.3	14.4	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.7	15.8	15.9	16.0	1.5%
Poland	14.4	13.2	12.8	12.4	12.0	11.6	11.2	10.6	10.0	9.3	8.7	8.0	7.8	7.5	7.3	7.0	6.7	6.5	6.2	6.0	5.8	5.5	-4.3%
Canada	6.4	7.2	7.5	7.8	8.2	8.5	8.8	9.3	9.7	10.1	10.6	11.0	10.9	9.1	9.1	9.3	9.5	8.2	7.3	7.5	8.0	8.4	1.2%
China	30.2	34.6	35.5	36.3	37.1	38.0	38.8	39.2	39.7	40.1	40.6	41.0	41.4	41.9	42.3	42.8	43.2	43.9	44.5	45.2	45.9	46.5	2.0%
South America	38.9	45.5	47.7	49.8	52.0	54.2	56.3	57.1	57.9	58.6	59.4	60.2	61.1	62.0	63.0	63.9	64.8	66.0	67.2	68.3	68.9	67.9	2.6%
Indonesia 4/	55.0	55.2	56.4	57.7	59.0	60.3	61.6	62.1	62.7	63.3	63.9	64.5	65.5	66.5	67.5	68.6	69.6	70.6	71.7	72.7	73.7	74.8	1.4%
Total	345.6	366.8	377.2	387.5	398.1	408.6	419.1	426.2	433.3	440.4	447.5	454.7	457.2	460.0	463.0	466.0	469.0	472.4	475.9	479.5	483.0	486.4	1.6%

Note: Totals may not equal sum of components due to independent rounding.

1/ Import Regions: Europe: Algeria, Austria, Belgium, Bulgaria, Croatia, Denmark, Egypt, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, Malta, Morocco, Netherlands, Norway, Portugal, Romania, Spain, Sweden, Tunisia, Turkey, United Kingdom; Asia: Bangladesh, China, Hong Kong, India, Iran, Japan, Malaysia, North Korea, Pakistan, Philippines, South Korea, Sri Lanka, Taiwan, Thailand; America: Argentina, Brazil, Canada, Chile, Mexico, United States.

2/ Excludes non-seaborne shipments of coal to Europe and Asia.

3/ Coal exports to Europe include exports to the Middle East and Northern Africa.

4/ In 1998, steam coal exports from Indonesia include an additional 8.3 million short tons of exports from other countries not included in the forecast period.

5/ In 1998, total world coal flows include a balancing item term used by the International Energy Agency to reconcile discrepancies between reported exports and imports. For 1998, the balancing item for steam coal amounted to 22.5 million short tons.

Notes: Totals may not equal sum of components due to independent rounding. The historical data used for the projections were the most available as of July 31, 1999. The numbers presented for 1998 are estimates and may differ from official EIA data reports. Also, please see EIA data publications and the Short-Term Energy Outlook for the latest estimates for 1999.

Sources: 1998 data: International Energy Agency, Coal Information 1998, (Paris, France, July 1999); and Energy Information Administration, Quarterly Coal Report, October-December 1998, DOE/EIA-0121(98/4Q) (Washington, DC, July 1999). Projections: AEO2000 National Energy Modeling System run AEO2K.D100199A.

**Table 93. World Metallurgical Coal Flows By Importing and Exporting Countries 1,2/ (1 of 2)
(Million Short Tons)**

	1998	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020	
1998-																								
Metallurgical Coal Exports to Europe 3/																								
Australia	17.9	23.8	26.9	27.9	28.0	28.5	29.6	29.6	29.5	29.5	31.3	32.9	32.6	35.0	36.3	36.2	36.1	36.1	36.0	35.9	35.9	35.8	3.2%	
United States	28.6	21.7	21.3	20.9	21.3	21.3	20.8	20.8	20.8	20.8	19.1	17.7	18.0	15.8	14.7	14.7	14.7	14.6	14.6	14.5	14.5	14.4	-3.1%	
South Africa	1.2	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	-1.2%	
Former U.S.S.R	1.7	1.8	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	-0.4%	
Poland	6.0	5.0	4.7	4.5	4.2	4.0	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4	-2.5%
Canada	6.7	6.7	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.4	4.4	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	-2.0%
China	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
South America	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Indonesia 4/	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.3%
Total	63.5	61.3	61.6	61.9	62.0	62.3	62.6	62.5	62.3	62.2	62.4	62.5	62.2	62.4	62.4	62.3	62.1	61.9	61.7	61.5	61.4	61.2	-0.2%	
Metallurgical Coal Exports to Asia 5/																								
Australia	63.2	77.5	77.9	78.4	78.8	79.3	79.8	80.2	80.6	81.1	81.5	82.0	82.5	83.0	83.5	84.0	84.5	84.9	85.2	85.6	86.0	86.3	1.4%	
United States	6.7	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	-6.6%	
South Africa	4.2	6.1	6.1	6.1	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.7	1.4%	
Former U.S.S.R	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.5	0.4	0.8	0.7	0.6	0.4	0.5	0.6	2.8	2.8	2.8	-0.4%	
Poland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Canada	21.9	22.2	22.2	22.3	22.3	22.4	22.4	22.4	22.4	22.3	22.2	22.0	22.2	21.9	22.1	22.3	22.5	22.4	22.4	20.3	20.4	20.4	-0.3%	
China	7.7	5.5	5.6	5.6	5.6	5.7	5.7	5.8	5.9	5.9	6.0	6.1	6.1	6.2	6.2	6.2	6.3	6.3	6.4	6.5	6.5	6.6	-0.7%	
South America	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Indonesia 4/	4.6	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	-0.5%	
Total	111.6	116.4	117.0	117.5	118.1	118.6	119.1	119.7	120.2	120.8	121.3	121.9	122.5	123.1	123.7	124.3	124.9	125.4	125.9	126.4	126.9	127.4	0.6%	
Metallurgical Coal Exports to America																								
Australia	4.9	7.1	7.2	7.3	7.4	7.5	7.7	7.8	8.0	8.2	8.3	8.5	8.7	9.0	9.2	9.4	9.7	9.9	10.1	10.2	10.4	10.6	3.6%	
United States	11.8	14.4	14.6	14.8	15.0	15.2	15.4	15.6	15.8	16.0	16.2	16.4	16.7	17.0	17.4	17.7	18.0	18.2	18.4	18.6	18.8	19.0	2.2%	
South Africa	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Former U.S.S.R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Poland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Canada	2.7	1.0	1.3	1.5	1.8	2.0	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.2	3.3	3.4	3.5	3.5	3.5	3.6	3.6	1.3%	
China	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
South America	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Indonesia 4/	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Total	21.6	22.5	23.0	23.6	24.2	24.7	25.3	25.8	26.2	26.7	27.2	27.7	28.3	29.0	29.7	30.4	31.1	31.5	31.9	32.4	32.8	33.3	2.0%	

**Table 93. World Metallurgical Coal Flows By Importing and Exporting Countries 1,2/ (2 of 2)
(Million Short Tons)**

	1998	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1998- 2020
Total Metallurgical Coal Exports 6/																							
Australia	91.6	108.4	112.0	113.6	114.3	115.4	117.0	117.6	118.2	118.7	121.2	123.4	123.8	126.9	129.0	129.6	130.3	130.8	131.3	131.8	132.3	132.8	1.7%
United States	47.1	37.2	37.0	36.8	37.4	37.7	37.4	37.6	37.8	38.1	36.6	35.5	36.0	34.2	33.4	33.7	34.0	34.2	34.4	34.6	34.7	34.9	-1.3%
South Africa	7.6	7.5	7.5	7.4	7.4	7.3	7.2	7.2	7.1	7.1	7.1	7.0	7.0	6.9	6.9	6.8	6.8	6.7	6.7	6.7	6.7	6.6	-0.6%
Former U.S.S.R	4.7	1.8	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.8	1.9	2.1	2.0	2.3	2.2	2.1	2.0	2.1	2.2	4.3	4.3	4.3	-0.4%
Poland	6.0	5.0	4.7	4.5	4.2	4.0	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.4	-2.5%
Canada	31.2	29.8	28.0	28.3	28.6	28.9	29.2	29.3	29.5	29.4	29.4	29.3	29.6	29.4	29.6	29.9	30.2	30.1	30.1	28.1	28.2	28.3	-0.4%
China	5.3	5.5	5.6	5.6	5.6	5.7	5.7	5.8	5.9	5.9	6.0	6.1	6.1	6.2	6.2	6.2	6.3	6.3	6.4	6.5	6.5	6.6	1.0%
South America	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Indonesia 4/	6.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	-0.9%
Total	200.4	200.1	201.5	202.9	204.2	205.6	207.0	207.9	208.8	209.7	210.8	212.0	213.1	214.5	215.8	217.0	218.1	218.9	219.6	220.4	221.1	221.9	0.5%

Note: Totals may not equal sum of components due to independent rounding.

1/ Import Regions: Europe: Algeria, Austria, Belgium, Bulgaria, Croatia, Denmark, Egypt, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, Malta, Morocco, Netherlands, Norway, Portugal, Romania, Spain, Sweden, Tunisia, Turkey, United Kingdom; Asia: Bangladesh, China, Hong Kong, India, Iran, Japan, Malaysia, North Korea, Pakistan, Philippines, South Korea, Sri Lanka, Taiwan, Thailand; America: Argentina, Brazil, Canada, Chile, Mexico, United States.

2/ Excludes non-seaborne shipments of coal to Europe and Asia.

3/ Coal exports to Europe include exports to the Middle East and Northern Africa.

4/ In 1998, metallurgical coal exports from Indonesia include an additional 1.0 million short tons of exports from other countries not included in for the forecast period.

5/ For 1998, includes 11.2 million short tons of coal for pulverized coal injection at blast furnaces shipped to Japanese steelmakers.

6/ In 1998, total world coal flows include a balancing item term used by the International Energy Agency to reconcile discrepancies between reported exports and imports. For 1998, the balancing item for metallurgical coal amounted to 3.7 million short tons.

Notes: Totals may not equal sum of components due to independent rounding. The historical data used for the projections were the most available as of July 31, 1999. The numbers presented for 1998 are estimates and may differ from official EIA data reports. Also, please see EIA data publications and the Short-Term Energy Outlook for the latest estimates for 1999.

Sources: 1998 data: International Energy Agency, Coal Information 1998, (Paris, France, July 1999); and Energy Information Administration, Quarterly Coal Report, October-December 1998, DOE/EIA-0121(98/4Q) (Washington, DC, July 1999). Projections: AEO2000 National Energy Modeling System run AEO2K.D100199A.

**Table 94. World Total Coal Flows By Importing and Exporting Countries 1,2/ (1 of 2)
(Million Short Tons)**

	1998	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
1998-																							
Total Coal Exports to Europe 3/																							
Australia	29.1	32.9	36.1	37.2	37.4	38.0	39.2	39.3	39.3	39.2	41.4	42.9	42.1	44.0	45.2	45.0	44.8	44.6	44.5	44.0	43.8	44.0	1.9%
United States	37.0	31.4	31.2	30.9	31.2	31.0	30.9	32.0	33.0	34.2	33.5	32.7	32.0	29.9	27.1	25.1	22.2	23.4	23.4	22.5	21.8	22.1	-2.3%
South Africa	47.1	43.6	44.2	44.9	45.2	46.3	46.8	45.9	46.0	46.1	46.1	46.2	47.1	48.0	48.8	49.7	50.6	48.8	47.4	47.2	47.2	47.2	0.0%
Former U.S.S.R	10.6	12.8	12.9	13.0	13.1	13.2	13.2	13.3	13.4	13.5	13.6	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	1.2%
Poland	20.4	18.2	17.5	16.9	16.3	15.6	15.0	14.3	13.7	13.0	12.3	11.7	11.4	11.1	10.8	10.5	10.3	10.0	9.7	9.5	9.2	8.9	-3.7%
Canada	7.4	10.9	8.9	9.0	10.1	10.6	10.8	10.1	9.4	9.5	9.5	9.6	9.5	9.5	9.4	9.4	9.3	9.3	9.3	9.3	9.3	9.3	1.0%
China	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
South America	25.8	28.4	29.0	29.6	30.2	30.8	31.4	31.7	32.0	32.4	32.7	33.6	33.6	34.5	34.9	35.6	37.2	37.2	38.1	39.0	39.3	38.1	1.8%
Indonesia 4/	3.4	9.4	9.8	10.2	10.2	10.2	10.3	10.2	9.0	7.1	5.1	3.2	3.0	0.9	0.9	1.0	1.0	0.9	0.9	0.9	0.9	0.9	-6.1%
Total	183.3	187.6	189.6	191.7	193.6	195.7	197.7	196.8	195.9	194.9	194.3	193.6	192.5	191.6	190.8	189.9	189.0	187.9	186.0	185.1	184.1	184.1	0.0%
Total Coal Exports to Asia																							
Australia	140.4	168.3	173.3	178.2	183.9	189.6	194.6	198.5	202.4	206.3	210.2	214.1	216.0	217.9	219.8	221.7	223.5	225.4	227.3	229.2	231.0	232.9	2.3%
United States	11.7	4.4	4.8	5.3	5.4	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.0	6.1	6.2	6.2	6.3	6.4	6.4	6.5	6.6	6.6	-2.6%
South Africa	19.0	32.8	33.5	34.1	35.1	35.4	36.1	38.0	38.8	39.7	40.5	41.4	41.6	41.9	42.1	42.3	42.6	44.4	45.8	46.0	46.0	46.0	4.1%
Former U.S.S.R	5.5	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.8	3.0	3.1	3.3	3.3	3.8	3.8	3.7	3.7	4.0	4.2	6.4	6.5	6.6	0.8%
Poland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Canada	27.0	25.1	25.4	25.7	24.9	24.8	24.9	26.2	27.3	27.5	27.8	28.0	28.1	25.9	26.2	26.6	26.9	25.6	24.6	22.8	23.3	23.8	-0.6%
China	33.4	40.1	41.0	41.9	42.8	43.7	44.5	45.0	45.6	46.1	46.6	47.1	47.6	48.0	48.5	49.0	49.5	50.2	51.0	51.7	52.4	53.1	2.1%
South America	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Indonesia 4/	44.5	50.7	51.6	52.5	53.8	55.0	56.3	56.9	58.7	61.2	63.7	66.2	67.5	70.6	71.6	72.6	73.5	74.6	75.7	76.8	77.8	78.9	2.6%
Total	281.9	324.2	332.3	340.4	348.5	356.6	364.7	373.0	381.2	389.5	397.8	406.1	410.1	414.1	418.1	422.1	426.1	430.5	434.9	439.3	443.6	448.0	2.1%
Total Coal Exports to America																							
Australia	7.4	7.7	7.9	8.0	8.1	8.2	8.4	8.5	8.7	8.9	9.1	9.8	9.5	9.7	10.0	10.2	10.5	10.7	10.9	11.1	11.3	11.5	2.0%
United States	29.4	26.9	26.5	26.2	26.1	25.9	25.8	25.7	25.6	25.5	25.4	25.3	25.4	26.0	26.3	26.7	28.1	27.5	27.8	28.2	28.6	28.9	-0.1%
South Africa	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.2%
Former U.S.S.R	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Poland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Canada	3.2	1.0	1.3	1.5	1.8	2.0	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.2	3.3	3.4	3.5	3.5	3.5	3.6	3.6	0.5%
China	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
South America	10.1	17.2	18.7	20.3	21.8	23.4	24.9	25.4	25.8	26.3	26.7	26.6	27.5	27.5	28.0	28.3	27.6	28.8	29.1	29.3	29.5	29.8	5.0%
Indonesia 4/	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total	54.6	55.2	56.8	58.4	60.1	61.9	63.7	64.3	65.0	65.6	66.3	67.0	67.7	68.7	69.9	71.0	72.0	72.9	73.7	74.5	75.3	76.2	1.5%

**Table 94. World Total Coal Flows By Importing and Exporting Countries 1,2/ (2 of 2)
(Million Short Tons)**

	1998	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1998-2020
Total Coal Exports 5/																							
Australia	183.8	209.0	217.3	223.4	229.4	235.8	242.2	246.3	250.4	254.4	260.7	266.9	267.6	271.7	274.9	276.9	278.8	280.7	282.6	284.2	286.1	288.5	2.1%
United States	78.0	62.7	62.5	62.4	62.6	62.4	62.2	63.2	64.3	65.5	64.7	64.0	63.4	62.0	59.5	58.0	56.5	57.3	57.6	57.2	56.9	57.7	-1.4%
South Africa	73.9	78.8	80.1	81.4	82.7	84.0	85.3	86.3	87.2	88.2	89.1	90.1	91.2	92.3	93.4	94.5	95.6	95.6	95.6	95.6	95.6	95.6	1.2%
Former U.S.S.R	16.1	15.5	15.6	15.7	15.8	15.9	16.0	16.1	16.2	16.4	16.7	17.0	17.0	17.4	17.4	17.4	17.6	17.8	20.1	20.2	20.3	20.3	1.1%
Poland	20.4	18.2	17.5	16.9	16.3	15.6	15.0	14.3	13.7	13.0	12.3	11.7	11.4	11.1	10.8	10.5	10.3	10.0	9.7	9.5	9.2	8.9	-3.7%
Canada	37.7	37.0	35.5	36.1	36.8	37.4	38.0	38.6	39.2	39.6	40.0	40.4	40.5	38.4	38.8	39.2	39.7	38.3	37.4	35.6	36.1	36.7	-0.1%
China	35.5	40.1	41.0	41.9	42.8	43.7	44.5	45.0	45.6	46.1	46.6	47.1	47.6	48.0	48.5	49.0	49.5	50.2	51.0	51.7	52.4	53.1	1.9%
South America	39.7	45.5	47.7	49.8	52.0	54.2	56.3	57.1	57.9	58.6	59.4	60.2	61.1	62.0	63.0	63.9	64.8	66.0	67.2	68.3	68.9	67.9	2.5%
Indonesia 4/	61.0	60.1	61.4	62.7	64.0	65.2	66.5	67.1	67.7	68.3	68.9	69.4	70.5	71.5	72.5	73.5	74.5	75.6	76.6	77.7	78.7	79.7	1.2%
Total	546.0	567.0	578.7	590.4	602.3	614.2	626.1	634.1	642.1	650.1	658.4	666.7	670.2	674.5	678.8	683.0	687.1	691.3	695.5	699.8	704.1	708.3	1.2%

Note: Totals may not equal sum of components due to independent rounding.

1/ Import Regions: Europe: Algeria, Austria, Belgium, Bulgaria, Croatia, Denmark, Egypt, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, Malta, Morocco, Netherlands, Norway, Portugal, Romania, Spain, Sweden, Tunisia, Turkey, United Kingdom; Asia: Bangladesh, China, Hong Kong, India, Iran, Japan, Malaysia, North Korea, Pakistan, Philippines, South Korea, Sri Lanka, Taiwan, Thailand; America: Argentina, Brazil, Canada, Chile, Mexico, United States.

2/ Excludes non-seaborne shipments of coal to Europe and Asia.

3/ Coal exports to Europe include exports to the Middle East and Northern Africa.

4/ In 1998, exports from Indonesia include an additional 9.3 million short tons of exports from other countries not included in the forecast period.

5/ In 1998, coal exports to America includes a balancing item term used by the International Energy Agency to reconcile discrepancies between reported exports and imports. For 1998, the balancing item amounted to 26.2 million short tons.

Notes: Totals may not equal sum of components due to independent rounding. The historical data used for the projections were the most available as of July 31, 1999. The numbers presented for 1998 are estimates and may differ from official EIA data reports. Also, please see EIA data publications and the Short-Term Energy Outlook for the latest estimates for 1999.

Sources: 1998 data: International Energy Agency, Coal Information 1998,(Paris, France, July 1999); and Energy Information Administration, Quarterly Coal Report, October-December 1998, DOE/EIA-0121(98/4Q) (Washington, DC, July 1999). Projections: AEO2000 National Energy Modeling System run AEO2K.D100199A.

Table 95. Indicators of Macroeconomic Activity (1 of 2)

	1998	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1998-2020
Real Output, National(billion 1987 dollars)																							
Total Industrial	4125.9	4244.5	4309.9	4426.0	4554.6	4659.5	4769.9	4857.3	4957.4	5050.5	5122.8	5216.4	5286.7	5379.0	5493.0	5612.8	5730.1	5798.5	5888.1	5979.7	6076.8	6170.9	1.8%
Total Manufacturing	3290.8	3387.1	3445.6	3546.1	3660.2	3746.4	3837.9	3911.4	3998.7	4081.2	4146.1	4227.3	4289.8	4369.5	4467.5	4566.2	4663.1	4722.5	4801.2	4879.7	4960.5	5040.4	2.0%
Coal Mining	30.4	30.6	31.4	32.0	32.6	33.2	33.4	33.6	33.7	33.9	33.9	33.9	34.0	34.0	34.1	34.3	34.6	34.7	35.0	35.1	35.4	35.6	0.7%
Oil and Gas Extraction	79.3	78.1	76.2	75.6	76.0	76.2	77.3	78.6	80.1	81.2	81.9	83.6	84.7	85.9	87.2	88.7	90.4	91.4	92.4	93.2	93.8	94.3	0.8%
Refining	140.6	143.5	144.5	146.8	147.6	150.1	152.6	154.6	157.2	157.9	158.4	159.0	158.9	159.4	159.9	160.4	161.2	161.4	162.0	162.4	163.0	163.6	0.7%
Paper	127.6	132.1	134.5	136.7	139.1	141.2	143.4	145.1	146.6	148.1	149.3	150.9	151.8	153.2	154.8	156.8	158.8	160.1	161.3	162.5	164.0	165.6	1.2%
Chemicals	288.3	295.1	300.6	306.9	314.9	320.7	326.5	331.1	336.6	341.9	346.9	352.7	357.2	363.3	369.9	376.5	382.4	387.6	393.6	399.3	405.7	412.3	1.6%
Stone, Clay, and Glass	71.6	73.9	74.3	75.0	76.2	77.4	78.6	79.2	79.9	80.3	80.3	80.9	80.5	81.1	81.9	83.0	83.8	83.6	83.7	84.2	84.7	85.1	0.8%
Primary Metals	149.7	149.4	151.8	153.8	156.9	159.4	161.5	161.7	163.1	164.0	164.0	165.0	164.7	166.0	167.2	168.5	169.2	169.1	169.4	169.7	170.5	171.1	0.6%
Basic Steel	68.1	66.9	68.4	69.2	70.9	72.3	73.4	73.2	74.0	74.3	74.1	74.5	74.2	74.8	75.3	75.8	76.1	76.0	76.0	76.3	76.8	77.0	0.6%
Primary Aluminum	30.1	30.3	30.4	30.8	30.9	31.3	31.5	31.6	31.7	31.9	31.9	32.0	32.1	32.3	32.5	32.7	32.8	33.0	33.0	33.0	33.1	33.3	0.5%
Fabricated Metals	186.6	191.9	193.9	198.8	205.7	209.4	213.7	215.9	218.6	220.4	221.6	223.7	224.5	226.4	229.5	233.2	236.1	236.5	237.6	238.9	241.4	243.3	1.2%
Industrial Machinery	333.6	343.0	357.8	379.1	395.3	407.4	421.0	431.4	443.4	456.1	464.4	476.0	483.6	493.0	508.4	525.3	544.3	555.3	567.2	580.9	596.1	611.2	2.8%
Electrical Machinery	389.0	431.0	458.5	494.8	529.4	559.3	588.7	620.8	654.0	686.1	713.5	741.2	769.1	802.2	833.3	861.8	892.4	919.5	952.6	981.6	1005.7	1027.5	4.5%
Transportation Equipment	425.0	418.2	413.5	422.3	443.3	452.7	465.9	473.3	486.7	499.5	509.4	522.6	531.9	542.6	559.5	574.9	588.0	590.6	599.7	610.3	623.2	636.6	1.9%
Real Disposable Income by Census Division (billion 1992 dollars)																							
New England	320	337	344	351	358	366	374	380	387	394	401	408	415	421	428	437	446	452	459	466	474	482	1.9%
Middle Atlantic	863	905	922	938	954	974	992	1009	1025	1041	1058	1075	1089	1105	1122	1143	1163	1180	1196	1214	1233	1254	1.7%
East North Central	874	915	932	950	968	990	1011	1031	1051	1070	1088	1107	1123	1140	1159	1181	1205	1223	1241	1261	1282	1304	1.8%
West North Central	345	363	371	379	388	398	407	416	426	435	445	455	463	472	482	492	503	513	522	531	541	552	2.2%
South Atlantic	937	1006	1034	1062	1092	1127	1161	1194	1228	1262	1297	1334	1368	1403	1442	1486	1531	1571	1612	1656	1702	1750	2.9%
East South Central	269	284	291	298	304	312	320	327	334	342	349	357	364	371	379	388	398	406	415	424	434	444	2.3%
West South Central	535	574	590	607	623	642	661	679	697	716	734	754	772	791	811	834	858	879	900	923	947	971	2.7%
Mountain	298	329	340	355	367	381	394	406	418	431	442	455	465	477	491	507	525	541	559	579	600	623	3.4%
Pacific	907	952	976	997	1022	1055	1087	1120	1154	1188	1223	1260	1294	1330	1370	1412	1454	1490	1524	1559	1594	1628	2.7%
United States	5348	5665	5801	5936	6076	6246	6406	6562	6722	6879	7038	7204	7353	7509	7684	7881	8083	8256	8428	8613	8807	9008	2.4%
Non-Agricultural Employment by Census Division (millions)																							
New England	6.7	6.8	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.1	7.1	0.2%
Middle Atlantic	17.6	17.8	17.8	17.8	17.9	18.0	18.0	18.1	18.1	18.1	18.1	18.2	18.2	18.1	18.1	18.2	18.2	18.2	18.1	18.1	18.0	17.9	0.1%
East North Central	21.6	21.8	21.8	21.9	22.1	22.2	22.3	22.5	22.5	22.6	22.7	22.7	22.7	22.7	22.8	22.8	22.9	22.9	22.9	22.9	22.8	22.8	0.2%
West North Central	9.5	9.7	9.7	9.8	9.9	9.9	10.0	10.1	10.2	10.2	10.3	10.3	10.4	10.4	10.5	10.5	10.6	10.6	10.6	10.7	10.7	10.7	0.5%
South Atlantic	23.4	24.2	24.3	24.6	24.9	25.2	25.6	25.9	26.2	26.5	26.8	27.2	27.4	27.7	28.0	28.4	28.8	29.0	29.3	29.5	29.7	30.0	1.1%
East South Central	7.4	7.6	7.6	7.6	7.7	7.7	7.8	7.8	7.9	7.9	8.0	8.0	8.0	8.1	8.1	8.1	8.2	8.2	8.2	8.3	8.3	8.3	0.5%
West South Central	13.4	13.9	14.0	14.2	14.4	14.6	14.7	14.9	15.1	15.2	15.4	15.5	15.7	15.8	15.9	16.1	16.3	16.4	16.5	16.6	16.7	16.8	1.0%
Mountain	8.0	8.7	8.8	9.0	9.2	9.4	9.5	9.6	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.9	10.1	10.3	10.4	10.6	10.9	11.2	1.6%
Pacific	18.6	19.2	19.3	19.5	19.7	20.0	20.2	20.5	20.7	20.9	21.1	21.3	21.5	21.7	21.8	22.1	22.3	22.5	22.6	22.7	22.9	23.0	1.0%
United States	126.2	129.7	130.2	131.2	132.6	133.9	135.3	136.5	137.5	138.5	139.2	140.1	140.8	141.5	142.3	143.4	144.6	145.4	145.9	146.5	147.1	147.8	0.7%

Table 95. Indicators of Macroeconomic Activity (2 of 2)

Notes: Totals may not equal sum of components due to independent rounding. The historical data used for the projections were the most available as of July 31, 1999. At that time, most regional data for 1998 were not available. The numbers presented for 1998 are estimates and may differ from official EIA data reports. Also, please see EIA data publications and the Short-Term Energy Outlook for the latest estimates for 1999.
Source: 1998: Standard & Poor's DRI, Simulation T250899. Projections: Energy Information Administration, AEO2000 National Energy Modeling System run AEO2K.D100199A.

Table 96. Imported Petroleum by Source (1 of 2)
(Million Barrels Per Day)

	1998	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
Crude Oil																							
Canada	1.27	1.24	1.24	1.25	1.26	1.26	1.29	1.31	1.34	1.34	1.35	1.35	1.36	1.37	1.39	1.40	1.40	1.41	1.42	1.43	1.44	1.44	0.6%
Mexico	1.32	1.35	1.38	1.40	1.41	1.41	1.42	1.44	1.47	1.49	1.51	1.52	1.52	1.52	1.51	1.50	1.49	1.47	1.46	1.45	1.45	1.44	0.4%
North Sea	0.38	0.44	0.47	0.51	0.55	0.58	0.61	0.63	0.66	0.66	0.66	0.67	0.66	0.66	0.65	0.65	0.63	0.60	0.58	0.56	0.54	0.53	1.5%
OPEC	4.17	4.56	4.76	5.00	5.22	5.49	5.69	5.86	5.99	6.06	6.09	6.11	6.16	6.18	6.22	6.27	6.32	6.36	6.43	6.49	6.55	6.69	2.2%
Latin America	1.38	1.57	1.61	1.65	1.67	1.73	1.79	1.84	1.89	1.92	1.94	1.96	2.01	2.05	2.09	2.11	2.13	2.16	2.19	2.21	2.24	2.29	2.3%
North Africa	0.01	0.02	0.03	0.05	0.06	0.07	0.07	0.08	0.10	0.11	0.11	0.12	0.12	0.12	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	12.7%
West Africa	0.69	0.71	0.72	0.76	0.77	0.79	0.81	0.81	0.82	0.83	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72	0.2%
Indonesia	0.05	0.09	0.10	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.08	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.8%
Persian Gulf	2.04	2.17	2.30	2.43	2.61	2.79	2.91	3.03	3.08	3.10	3.11	3.11	3.12	3.12	3.13	3.18	3.23	3.24	3.29	3.34	3.38	3.48	2.5%
Other Middle East	0.01	0.05	0.05	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.02	3.2%
Other Latin America	0.65	0.59	0.59	0.62	0.63	0.65	0.67	0.68	0.68	0.67	0.67	0.67	0.66	0.65	0.63	0.62	0.61	0.60	0.59	0.58	0.57	0.56	-0.7%
Other Africa	0.75	0.77	0.79	0.83	0.85	0.85	0.86	0.87	0.89	0.91	0.92	0.92	0.89	0.89	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.3%
Other Asia	0.16	0.18	0.19	0.20	0.21	0.22	0.23	0.22	0.21	0.20	0.20	0.19	0.18	0.17	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.14	-0.6%
Light Refined Products 1/																							
Canada	0.25	0.37	0.40	0.40	0.41	0.42	0.43	0.43	0.41	0.43	0.39	0.41	0.40	0.41	0.42	0.42	0.42	0.43	0.44	0.44	0.45	0.46	2.8%
Northern Europe	0.10	0.12	0.14	0.14	0.15	0.16	0.16	0.17	0.17	0.18	0.16	0.17	0.16	0.16	0.17	0.16	0.16	0.16	0.15	0.16	0.16	0.16	2.2%
Southern Europe	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.05	0.05	0.06	0.05	0.06	0.06	0.06	0.0%
OPEC	0.27	0.36	0.39	0.39	0.42	0.46	0.48	0.51	0.53	0.58	0.61	0.71	0.74	0.83	0.95	1.05	1.11	1.17	1.21	1.29	1.33	1.40	7.8%
Latin America	0.19	0.25	0.26	0.26	0.27	0.28	0.29	0.30	0.31	0.33	0.34	0.41	0.43	0.48	0.55	0.59	0.64	0.67	0.70	0.74	0.76	0.80	6.8%
North Africa	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.06	0.07	0.07	0.05	0.06	0.05	0.06	0.06	0.06	0.06	0.8%
West Africa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Indonesia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Persian Gulf	0.03	0.06	0.08	0.08	0.10	0.12	0.13	0.15	0.16	0.18	0.21	0.24	0.25	0.28	0.33	0.39	0.42	0.44	0.46	0.49	0.51	0.54	14.0%
Caribbean Basin	0.27	0.62	0.64	0.64	0.65	0.69	0.70	0.72	0.74	0.77	0.83	0.89	0.98	1.03	1.11	1.22	1.32	1.38	1.44	1.51	1.58	1.67	8.6%
Asian Exporters	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	2.2%
Other	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.11	0.11	2.8%

**Table 96. Imported Petroleum by Source (2 of 2)
(Million Barrels Per Day)**

	1998	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1998-2020
Heavy Refined Products 2/																							
Canada	0.08	0.06	0.06	0.12	0.06	0.08	0.03	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.11	0.12	0.10	0.07	0.09	0.11	0.10	0.04	-3.1%
Northern Europe	0.09	0.08	0.07	0.08	0.13	0.09	0.09	0.06	0.07	0.06	0.09	0.06	0.10	0.13	0.09	0.05	0.08	0.11	0.14	0.09	0.11	0.11	0.9%
Southern Europe	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	-1.8%
OPEC	0.47	0.32	0.38	0.35	0.35	0.35	0.36	0.38	0.34	0.41	0.49	0.48	0.48	0.50	0.53	0.58	0.61	0.63	0.65	0.69	0.73	0.78	2.3%
Latin America	0.15	0.13	0.13	0.13	0.14	0.15	0.16	0.16	0.15	0.18	0.23	0.20	0.20	0.21	0.22	0.24	0.25	0.26	0.27	0.29	0.31	0.33	3.6%
North Africa	0.23	0.10	0.11	0.09	0.08	0.07	0.05	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	-10.5%
West Africa	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.0%
Indonesia	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.0%
Persian Gulf	0.06	0.06	0.10	0.10	0.10	0.10	0.12	0.15	0.14	0.18	0.21	0.23	0.23	0.24	0.26	0.29	0.31	0.32	0.33	0.35	0.37	0.40	9.0%
Caribbean Basin	0.19	0.12	0.13	0.12	0.12	0.11	0.11	0.14	0.14	0.16	0.18	0.21	0.21	0.23	0.25	0.28	0.30	0.31	0.32	0.34	0.36	0.39	3.3%
Asian Exporters	0.05	0.02	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-2.3%
Other	0.03	0.02	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.0%

1/ Includes gasoline, distillate, jet fuel, and liquified petroleum gases.

2/ Includes residual fuel oil and other refined products.

OPEC = Organization of Petroleum Exporting Countries - Algeria, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela.

Caribbean Basin = Bahama Islands, Columbia, Ecuador, Guatemala, Jamaica, Mexico, Netherlands Antilles, Panama, Puerto Rico, Trinidad and Tobago, and the Virgin Islands.

N/A = Not applicable.

Notes: The historical data used for the projections were the most available as of July 31, 1999.

The numbers presented for 1998 are estimates and may differ from official EIA data reports. Also, please see EIA data publications and the Short-Term Energy Outlook for the latest estimates for 1999.

Source: Energy Information Administration, AEO2000 National Energy Modeling System run AEO2K.D100199A.