

Table 77. Domestic Refinery Distillation Base Capacity, Expansion, and Utilization (1 of 1)
(Million of Barrels per Day)

Region	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
PAD District I																							
Base Capacity	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0%
Capacity Additions	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	12.9%
Total Capacity	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.9	0.4%
Utilization	91.0	91.0	88.3	92.0	91.0	92.0	92.0	91.2	92.0	92.0	92.0	92.0	92.0	90.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	0.1%
PAD Districts II to IV																							
Base Capacity	11.6	11.7	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	0.1%
Capacity Additions	0.2	0.0	0.0	0.0	0.5	0.7	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	10.7%
Total Capacity	11.7	11.7	11.9	11.9	12.4	12.6	12.9	12.9	12.9	12.9	13.0	13.1	13.1	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	0.6%
Utilization	94.4	94.4	96.0	96.0	95.9	95.4	95.1	95.7	95.9	95.9	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	0.1%
PAD District V																							
Base Capacity	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.2%
Capacity Additions	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	N/A
Total Capacity	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0%
Utilization	87.0	87.0	76.3	76.8	77.9	78.6	79.8	80.0	81.4	82.2	83.3	84.1	84.7	85.0	86.0	87.7	88.6	89.2	90.1	90.7	91.6	92.4	0.3%
United States																							
Base Capacity	16.3	16.5	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	0.1%
Capacity Additions	0.3	0.0	0.0	0.0	0.5	0.7	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	8.8%
Total Capacity	16.5	16.5	16.7	16.7	17.2	17.4	17.7	17.7	17.7	17.8	17.8	17.9	17.9	18.0	18.0	18.0	18.1	18.1	18.1	18.1	18.1	18.2	0.5%
Utilization	93.0	93.0	91.5	92.0	92.2	92.1	92.1	92.5	92.9	93.1	93.2	93.6	93.7	93.6	93.9	94.2	94.3	94.4	94.6	94.7	94.8	95.0	0.1%

PAD = Petroleum Administration for Defense.

N/A = Not applicable.

Note: Base capacity is for the beginning of the year.

Source: 1999: Energy Information Administration (EIA), Petroleum Supply Annual 1998, DOE/EIA-0340(98)/1 (Washington, DC, June 1999). 2000: EIA, Petroleum Supply Annual 1999, DOE/EIA-0340(99)/1 (Washington, DC, June 2000). Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

**Table 78. Components of Selected Petroleum Product Prices (1 of 1)
(1999 Dollars per Gallon)**

Product Price Components	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Diesel																							
End-User Price	1.14	1.45	1.30	1.24	1.22	1.24	1.23	1.22	1.23	1.23	1.23	1.24	1.24	1.24	1.24	1.24	1.26	1.26	1.25	1.25	1.25	1.25	0.4%
Federal Taxes	0.24	0.24	0.23	0.23	0.22	0.22	0.22	0.21	0.21	0.20	0.20	0.20	0.19	0.19	0.19	0.18	0.18	0.17	0.17	0.16	0.16	0.15	-2.2%
State Taxes	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	N/A
Distribution Costs	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.3%
Wholesale Price	0.55	0.86	0.71	0.65	0.64	0.66	0.66	0.65	0.66	0.67	0.67	0.69	0.69	0.70	0.70	0.71	0.72	0.73	0.73	0.73	0.73	0.74	1.4%
Motor Gasoline																							
End-User Price	1.18	1.50	1.40	1.34	1.32	1.32	1.33	1.35	1.37	1.35	1.35	1.36	1.35	1.35	1.34	1.35	1.34	1.34	1.33	1.33	1.33	1.33	0.6%
Federal Taxes	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.11	-2.3%
State Taxes 1/	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.0%
Distribution Costs	0.12	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.8%
Wholesale Price	0.66	0.95	0.86	0.81	0.79	0.79	0.80	0.82	0.85	0.84	0.84	0.85	0.84	0.84	0.84	0.85	0.84	0.84	0.85	0.85	0.85	0.85	1.3%
Jet Fuel																							
End-User Price	0.63	0.89	0.75	0.70	0.68	0.70	0.71	0.71	0.72	0.72	0.73	0.74	0.74	0.74	0.75	0.76	0.78	0.78	0.79	0.79	0.79	0.79	1.1%
Federal Taxes	0.04	0.04	0.04	0.04	0.04	0.04	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	-2.2%
State Taxes	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	0.02	0.02	0.02	N/A
Distribution Costs	-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	-1.2%
Wholesale Price	0.58	0.83	0.70	0.65	0.63	0.65	0.66	0.66	0.67	0.67	0.68	0.69	0.69	0.70	0.71	0.72	0.74	0.74	0.75	0.75	0.75	0.76	1.2%
Residential Distillate Fuel/Heating Oil																							
End-User Price	0.87	1.26	1.08	1.03	1.00	1.02	1.02	1.01	1.02	1.02	1.03	1.04	1.04	1.05	1.06	1.06	1.08	1.09	1.09	1.10	1.11	1.11	1.2%
Distribution Costs	0.35	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.5%
Wholesale Price	0.52	0.87	0.69	0.64	0.61	0.62	0.62	0.61	0.63	0.63	0.64	0.65	0.65	0.66	0.66	0.67	0.69	0.69	0.70	0.70	0.71	0.72	1.6%
World Oil Price																							
World Oil Price	0.41	0.66	0.57	0.51	0.49	0.49	0.50	0.50	0.50	0.50	0.51	0.51	0.51	0.51	0.52	0.52	0.52	0.52	0.53	0.53	0.53	0.53	1.2%

1/ Includes a 2 cent average local tax.

N/A = Not applicable.

Sources: 1999 distribution costs and wholesale prices: estimated based on Energy Information Administration (EIA) Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report" and EIA-782B,

"Resellers/Retailers' Monthly Petroleum Product Sales Report." 1999 diesel and gasoline taxes: Federal Highway Administration, Table MF-121T, <http://www.fhwa.dot.gov/ohim/mmfrr/mmfrrpage.htm>, March 2000. 1999 jet fuel taxes: EIA,

Office of Oil and Gas. 1999 end-user prices: estimated as the sum of the components. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 79. Lower 48 Crude Oil Production and Wellhead Prices by Supply Region (1 of 1)

Region	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Production 1/ (million barrels per day)																							
Lower 48 Total	4.83	4.93	4.98	5.08	5.11	4.94	4.86	4.72	4.67	4.63	4.57	4.50	4.42	4.38	4.36	4.37	4.38	4.40	4.42	4.45	4.41	4.41	-0.4%
Lower 48 Onshore																							
Northeast	0.09	0.09	0.09	0.08	0.07	0.07	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	-2.5%
Gulf Coast	0.66	0.67	0.67	0.62	0.59	0.55	0.52	0.50	0.48	0.46	0.45	0.45	0.45	0.45	0.46	0.47	0.48	0.49	0.50	0.51	0.47	0.44	-1.9%
Midcontinent	0.32	0.32	0.32	0.31	0.30	0.29	0.28	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.28	0.29	0.30	0.31	0.32	0.0%
Southwest	1.10	1.11	1.11	1.06	1.00	0.93	0.87	0.82	0.78	0.74	0.71	0.68	0.66	0.64	0.63	0.63	0.63	0.64	0.64	0.66	0.67	0.69	-2.2%
Rocky Mountain	0.40	0.41	0.41	0.40	0.38	0.36	0.35	0.34	0.33	0.32	0.31	0.31	0.31	0.31	0.31	0.31	0.32	0.33	0.34	0.35	0.36	0.37	-0.4%
West Coast	0.70	0.70	0.70	0.68	0.67	0.67	0.67	0.67	0.68	0.69	0.70	0.72	0.73	0.75	0.76	0.77	0.78	0.79	0.80	0.80	0.79	0.77	0.5%
Lower 48 Offshore																							
Gulf	1.40	1.48	1.56	1.73	1.92	1.90	1.95	1.93	1.95	1.98	1.96	1.92	1.86	1.81	1.79	1.78	1.75	1.73	1.71	1.69	1.68	1.68	0.9%
Pacific	0.16	0.14	0.11	0.18	0.18	0.17	0.16	0.15	0.14	0.14	0.13	0.13	0.12	0.12	0.11	0.11	0.10	0.10	0.10	0.09	0.09	0.09	-2.7%
Atlantic	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	N/A
Wellhead Prices (1999 dollars per barrel)																							
Lower 48 Average	16.49	25.87	23.33	20.87	20.08	20.34	20.42	20.38	20.40	20.52	20.69	20.80	21.01	20.99	21.06	21.17	21.00	21.04	21.15	21.26	21.35	21.45	1.3%
Lower 48 Onshore																							
Northeast	17.00	26.64	23.47	21.06	20.35	20.61	20.67	20.42	20.37	20.53	20.75	20.90	21.17	21.18	21.31	21.47	21.39	21.42	21.50	21.53	21.57	21.64	1.2%
Gulf Coast	17.36	27.21	23.33	20.93	20.16	20.38	20.43	20.27	20.24	20.38	20.57	20.71	20.94	20.96	21.07	21.21	21.11	21.17	21.26	21.32	21.39	21.46	1.0%
Midcontinent	17.47	27.37	23.33	20.93	20.20	20.45	20.52	20.31	20.28	20.43	20.64	20.78	21.05	21.06	21.19	21.35	21.28	21.32	21.40	21.43	21.48	21.55	1.0%
Southwest	17.35	27.18	23.10	20.72	19.96	20.20	20.27	20.13	20.13	20.27	20.46	20.60	20.86	20.87	20.99	21.15	21.10	21.14	21.23	21.27	21.33	21.41	1.0%
Rocky Mountain	16.81	26.34	23.38	20.97	20.21	20.44	20.49	20.30	20.27	20.41	20.60	20.74	20.99	21.00	21.11	21.25	21.17	21.22	21.31	21.36	21.43	21.50	1.2%
West Coast	14.10	22.09	22.02	19.43	18.31	18.72	18.82	19.39	19.54	19.51	19.59	19.58	19.67	19.57	19.44	19.42	18.97	18.99	19.17	19.50	19.67	19.87	1.6%
Lower 48 Offshore																							
Gulf	16.71	26.18	24.27	21.76	20.96	21.19	21.24	21.08	21.05	21.20	21.39	21.53	21.78	21.80	21.91	22.05	21.95	22.01	22.11	22.17	22.24	22.32	1.4%
Pacific	12.54	19.65	20.48	18.07	17.03	17.41	17.50	18.04	18.17	18.14	18.22	18.21	18.30	18.20	18.08	18.06	17.64	17.66	17.83	18.14	18.30	18.48	1.9%
Atlantic	16.71	26.18	23.47	21.06	20.35	20.61	20.67	20.42	20.37	20.53	20.75	20.90	21.17	21.18	21.31	21.47	21.39	21.42	21.50	21.53	21.57	21.64	1.2%

1/ Includes lease condensate.

N/A = Not applicable.

Note: Supply regions are defined in "Documentation of the Oil and Gas Supply Module," Energy Information Administration (EIA), DOE/EIA-MO63(2000) (Washington, DC, January 2000). Totals may not equal sum of components due to independent rounding. Data for 1999 may differ slightly from official EIA data reports due to internal conversion factors within the AEO2001 National Energy Modeling System.

Sources: 1999: Energy Information Administration (EIA), Office of Integrated Analysis and Forecasting, and Petroleum Supply Annual 1999, DOE/EIA-0340(99)/1 (Washington, DC, June 2000). Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 80. Lower 48 Natural Gas Production and Wellhead Prices by Supply Region (1 of 1)

Region	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Dry Production (trillion cubic feet) 1/																							
Lower 48 Total	18.25	18.18	18.46	19.23	19.83	20.20	20.34	20.63	20.86	21.32	21.86	22.63	23.08	23.68	24.28	24.94	25.70	26.34	26.94	27.54	27.97	28.47	2.1%
Lower 48 Onshore																							
Northeast	0.76	0.79	0.84	0.93	1.01	1.06	1.10	1.11	1.13	1.17	1.22	1.29	1.35	1.42	1.51	1.61	1.75	1.87	1.97	2.06	2.10	2.12	5.0%
Gulf Coast	4.77	5.19	5.45	5.57	5.42	5.22	5.05	5.00	5.11	5.33	5.63	5.97	6.18	6.39	6.53	6.59	6.60	6.53	6.44	6.33	6.20	6.07	1.2%
Midcontinent	2.61	2.57	2.51	2.56	2.56	2.58	2.58	2.61	2.68	2.76	2.82	2.94	3.03	3.15	3.28	3.43	3.58	3.71	3.84	3.97	4.07	4.20	2.3%
Southwest	1.53	1.57	1.61	1.68	1.70	1.66	1.62	1.60	1.59	1.63	1.68	1.73	1.77	1.82	1.86	1.90	1.96	2.03	2.12	2.23	2.34	2.47	2.3%
Rocky Mountain	2.85	3.04	3.16	3.37	3.62	3.69	3.69	3.77	3.70	3.77	3.86	4.03	4.12	4.23	4.36	4.53	4.75	4.97	5.20	5.45	5.70	5.97	3.6%
West Coast	0.30	0.27	0.28	0.28	0.29	0.29	0.29	0.30	0.30	0.31	0.32	0.33	0.34	0.36	0.37	0.39	0.40	0.41	0.43	0.44	0.43	0.42	1.7%
Lower 48 Offshore																							
Gulf	5.37	4.71	4.56	4.78	5.18	5.64	5.96	6.19	6.29	6.30	6.27	6.29	6.24	6.26	6.32	6.44	6.62	6.78	6.90	7.01	7.08	7.16	1.4%
Pacific	0.06	0.05	0.05	0.04	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	-1.4%
Atlantic	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	N/A
Wellhead Prices (1999 dollars per thousand cubic feet)																							
Lower 48 Average	2.08	3.32	3.34	2.79	2.52	2.43	2.49	2.55	2.59	2.63	2.66	2.69	2.71	2.73	2.76	2.79	2.83	2.88	2.93	2.98	3.05	3.13	2.0%
Lower 48 Onshore																							
Northeast	2.37	3.54	3.43	2.85	2.56	2.47	2.55	2.65	2.73	2.78	2.82	2.83	2.82	2.82	2.84	2.86	2.91	2.98	3.04	3.11	3.21	3.34	1.7%
Gulf Coast	1.79	2.98	3.24	2.85	2.65	2.59	2.62	2.59	2.58	2.58	2.58	2.61	2.65	2.70	2.76	2.83	2.91	2.99	3.06	3.14	3.20	3.29	2.9%
Midcontinent	2.03	3.34	3.48	2.92	2.62	2.51	2.58	2.60	2.63	2.66	2.67	2.70	2.71	2.72	2.75	2.79	2.84	2.90	2.96	3.03	3.09	3.18	2.2%
Southwest	2.02	3.13	3.18	2.73	2.54	2.51	2.59	2.61	2.60	2.59	2.59	2.62	2.64	2.67	2.72	2.76	2.79	2.81	2.83	2.86	2.91	2.99	1.9%
Rocky Mountain	1.88	2.94	2.98	2.55	2.36	2.32	2.41	2.50	2.54	2.57	2.60	2.65	2.70	2.71	2.72	2.72	2.72	2.72	2.73	2.74	2.77	2.83	2.0%
West Coast	2.00	3.59	3.73	3.03	2.67	2.50	2.49	2.55	2.47	2.47	2.55	2.57	2.58	2.60	2.68	2.76	2.82	2.84	2.84	2.92	3.16	3.44	2.6%
Lower 48 Offshore																							
Gulf	2.45	3.94	3.64	2.83	2.41	2.29	2.37	2.47	2.60	2.70	2.74	2.76	2.77	2.77	2.78	2.79	2.82	2.87	2.95	3.01	3.09	3.18	1.3%
Pacific	2.39	3.19	2.96	2.47	2.33	2.35	2.47	2.65	2.67	2.69	2.77	2.84	2.88	2.92	2.98	3.03	3.05	3.06	3.06	3.05	3.05	3.07	1.2%
Atlantic	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	N/A

1/ Marketed production (wet) minus extraction losses.

N/A = Not applicable.

Note: Supply regions are defined in "Documentation of the Oil and Gas Supply Module," Energy Information Administration, DOE/EIA-MO63(2000) (Washington, DC, January 2000). Totals may not equal sum of components due to independent rounding.

Source: 1999: Energy Information Administration (EIA), Office of Integrated Analysis and Forecasting, and Natural Gas Monthly, DOE/EIA-0130(2000/06) (Washington, DC, June 2000). Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 81. Oil and Gas, End-of-Year Reserves and Annual Reserve Additions (1 of 1)

Categories	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Lower 48 Reserves																								
Crude Oil (billion barrels)1/																								
Lower 48 Total	18.33	18.04	17.51	17.20	16.46	16.02	15.48	15.11	14.85	14.53	14.24	13.92	13.71	13.59	13.54	13.51	13.50	13.51	13.57	13.52	13.51	13.48	-1.5%	
Lower 48 Onshore	14.14	13.40	12.65	11.96	11.35	10.82	10.36	9.98	9.68	9.44	9.27	9.13	9.04	9.00	9.01	9.04	9.11	9.21	9.30	9.31	9.30	9.31	-2.0%	
Conventional	11.65	10.99	10.31	9.66	9.05	8.52	8.05	7.64	7.29	7.00	6.76	6.57	6.42	6.31	6.25	6.22	6.23	6.27	6.33	6.34	6.38	6.47	-2.8%	
Enhanced Oil Recovery	2.49	2.41	2.34	2.30	2.30	2.30	2.32	2.34	2.39	2.44	2.51	2.56	2.62	2.69	2.76	2.82	2.88	2.94	2.97	2.97	2.92	2.85	0.7%	
Lower 48 Offshore	4.19	4.64	4.86	5.24	5.11	5.21	5.11	5.13	5.17	5.08	4.98	4.79	4.67	4.59	4.54	4.46	4.39	4.31	4.27	4.21	4.21	4.17	0.0%	
Dry Natural Gas (trillion cubic feet)																								
Lower 48 Total	157.4	163.4	166.5	167.8	166.8	166.2	166.6	167.5	169.1	171.9	173.7	174.8	176.5	178.3	180.2	181.9	183.8	185.9	188.8	189.9	190.8	190.1	0.9%	
Lower 48 Onshore	126.7	126.1	127.2	126.3	124.0	122.6	122.5	123.2	124.8	126.6	128.5	130.1	131.7	133.6	135.7	137.6	139.7	142.6	145.2	147.0	148.3	148.8	0.8%	
Associated-Dissolved 2/	15.3	14.0	14.6	14.5	13.8	13.3	12.8	12.3	11.9	11.6	11.3	11.1	11.0	11.0	11.0	11.0	11.1	11.2	11.3	11.5	11.7	11.6	-1.3%	
Non-Associated	111.4	112.1	112.6	111.8	110.2	109.3	109.7	110.9	112.9	115.1	117.2	118.9	120.7	122.6	124.7	126.6	128.6	131.4	133.9	135.5	136.5	137.2	1.0%	
Conventional	58.7	60.0	60.6	59.5	57.6	55.8	54.5	53.6	53.2	53.0	53.1	53.2	53.5	53.7	53.9	54.2	54.4	54.6	54.8	54.6	54.4	54.1	-0.4%	
Unconventional	52.8	52.1	52.0	52.3	52.6	53.5	55.2	57.3	59.7	62.0	64.1	65.7	67.2	68.9	70.8	72.5	74.3	76.8	79.1	80.9	82.1	83.1	2.2%	
Lower 48 Offshore	30.7	37.3	39.3	41.4	42.8	43.7	44.1	44.3	44.3	45.2	45.2	44.8	44.8	44.7	44.5	44.3	44.1	43.4	43.6	42.9	42.5	41.3	1.4%	
Associated-Dissolved 2/	7.3	9.1	9.3	9.4	9.9	10.2	10.2	10.3	10.2	10.2	10.3	10.2	10.2	10.0	9.9	9.9	9.8	9.8	9.7	9.7	9.6	9.6	1.3%	
Non-Associated	23.4	28.2	30.0	32.0	32.9	33.4	34.0	34.1	34.1	35.0	34.9	34.5	34.7	34.7	34.6	34.4	34.3	33.6	33.9	33.3	32.9	31.7	1.5%	
Lower 48 Reserve Additions																								
Crude Oil (billion barrels)1/																								
Lower 48 Total	2.78	1.51	1.29	1.54	1.13	1.37	1.23	1.35	1.45	1.37	1.38	1.32	1.40	1.48	1.54	1.56	1.59	1.62	1.67	1.58	1.60	1.58	-2.6%	
Lower 48 Onshore	2.11	0.47	0.46	0.46	0.49	0.51	0.55	0.58	0.64	0.68	0.73	0.76	0.80	0.85	0.90	0.94	0.99	1.03	1.05	0.98	0.96	0.98	-3.6%	
Conventional	2.11	0.31	0.30	0.27	0.28	0.29	0.31	0.34	0.37	0.40	0.43	0.46	0.50	0.53	0.58	0.62	0.66	0.70	0.74	0.70	0.74	0.79	-4.6%	
Enhanced Oil Recovery	0.00	0.16	0.16	0.19	0.22	0.22	0.24	0.24	0.28	0.29	0.30	0.30	0.31	0.32	0.33	0.33	0.33	0.33	0.30	0.28	0.22	0.19	21.7%	
Lower 48 Offshore	0.67	1.04	0.83	1.08	0.63	0.85	0.68	0.78	0.80	0.69	0.66	0.56	0.60	0.62	0.64	0.62	0.60	0.59	0.62	0.60	0.64	0.60	-0.5%	
Dry Natural Gas (trillion cubic feet)																								
Lower 48 Total	21.5	24.2	21.5	20.5	18.9	19.6	20.7	21.5	22.4	24.1	23.7	23.8	24.8	25.4	26.2	26.6	27.6	28.5	29.8	28.7	28.8	27.8	1.2%	
Lower 48 Onshore	16.5	12.8	14.9	13.5	12.3	13.0	14.3	15.1	16.1	16.8	17.4	17.9	18.5	19.2	20.0	20.4	21.1	22.4	22.7	22.3	22.1	21.8	1.3%	
Associated-Dissolved 2/	2.6	0.4	2.3	1.7	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.6	1.6	1.6	1.2	-3.6%	
Non-Associated	13.8	12.4	12.6	11.8	11.3	12.0	13.3	14.1	15.1	15.8	16.3	16.7	17.3	18.0	18.7	19.1	19.7	20.9	21.1	20.7	20.5	20.5	1.9%	
Conventional	7.0	8.3	7.9	6.6	5.8	5.6	5.9	6.3	6.8	7.3	7.9	8.5	9.0	9.4	9.8	10.2	10.6	10.9	11.1	10.8	11.0	11.1	2.2%	
Unconventional	6.8	4.1	4.7	5.2	5.5	6.4	7.3	7.8	8.3	8.4	8.4	8.3	8.3	8.6	8.8	8.8	9.1	10.1	10.1	9.9	9.5	9.4	1.6%	
Lower 48 Offshore	5.1	11.4	6.6	6.9	6.6	6.6	6.5	6.4	6.3	7.3	6.3	5.9	6.4	6.2	6.2	6.2	6.5	6.1	7.1	6.4	6.7	6.0	0.8%	
Associated-Dissolved 2/	0.7	2.8	1.1	1.1	1.5	1.4	1.0	1.2	1.0	1.1	1.1	1.0	1.0	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.4%	
Non-Associated	4.4	8.6	5.5	5.8	5.0	5.1	5.5	5.3	5.3	6.2	5.2	4.9	5.4	5.2	5.3	5.2	5.5	5.1	6.2	5.4	5.7	5.1	0.7%	

1/ Includes lease condensate.

2/ Gas which occurs in crude oil reservoirs either as free gas (associated) or as gas in solution with crude oil (dissolved).

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

Source: 1999: Energy Information Administration (EIA), Office of Integrated Analysis and Forecasting. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 82. Natural Gas Imports and Exports (1 of 1)

	1999-																				2020		
Volumes and Prices	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
Volumes (trillion cubic feet)																							
Total Net Imports	3.38	3.51	3.76	3.88	4.07	4.33	4.48	4.65	4.74	4.86	4.97	5.06	5.16	5.26	5.36	5.43	5.50	5.57	5.62	5.68	5.74	5.80	2.6%
Pipeline																							
Imports from Canada	3.33	3.50	3.74	3.84	3.98	4.22	4.34	4.48	4.56	4.67	4.76	4.85	4.94	5.03	5.12	5.18	5.25	5.31	5.35	5.40	5.45	5.50	2.4%
Exports to Canada	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-0.3%
Imports from Mexico	0.05	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.12	3.9%
Exports to Mexico	0.06	0.09	0.13	0.16	0.17	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.34	0.36	0.38	0.40	0.42	0.44	0.46	0.48	0.50	0.52	10.8%
Liquefied Natural Gas																							
Imports	0.16	0.20	0.23	0.27	0.33	0.38	0.42	0.47	0.49	0.52	0.54	0.56	0.59	0.61	0.64	0.66	0.68	0.71	0.73	0.76	0.78	0.81	8.0%
Exports	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.1%
Border Prices																							
(1999 dollars per thousand cubic feet)																							
Average Import Price	2.29	3.12	3.14	2.84	2.62	2.53	2.49	2.46	2.44	2.43	2.43	2.43	2.42	2.43	2.44	2.45	2.47	2.48	2.51	2.55	2.60	2.67	0.7%
Pipeline Import Prices																							
From Canada	2.28	3.10	3.13	2.85	2.64	2.55	2.50	2.47	2.44	2.43	2.43	2.42	2.42	2.43	2.44	2.44	2.46	2.47	2.49	2.52	2.57	2.64	0.7%
From Mexico	2.17	3.13	3.32	2.88	2.66	2.58	2.62	2.61	2.61	2.62	2.63	2.67	2.70	2.74	2.79	2.85	2.91	2.97	3.03	3.09	3.15	3.23	1.9%
LNG Price (including regasification)	2.48	3.39	3.32	2.77	2.45	2.32	2.34	2.37	2.40	2.43	2.44	2.46	2.46	2.47	2.50	2.52	2.56	2.61	2.66	2.72	2.79	2.90	0.7%

N/A = Not applicable.

LNG = Liquefied natural gas.

Note: Totals may not equal sum of components due to independent rounding. Data for 1999 may differ slightly from official EIA data reports due to internal conversion factors within the AEO2001 National Energy Modeling System.

Sources: 1999 import and export volumes and import prices: Energy Information Administration (EIA), Natural Gas Monthly, DOE/EIA-0130(2000/06) (Washington, DC, June 2000). Other 1999: EIA, Office of Integrated Analysis and Forecasting. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 83. Natural Gas Consumption by End-Use Sector and Census Division (1 of 2)
(Trillion Cubic Feet per Year)

Sector and Region																					1999-			
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020	
Residential																								
New England	0.17	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.22	1.1%	
Middle Atlantic	0.81	0.83	0.85	0.86	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.89	0.89	0.89	0.90	0.90	0.91	0.91	0.91	0.92	0.92	0.6%	
East North Central	1.46	1.49	1.53	1.56	1.58	1.59	1.58	1.58	1.57	1.57	1.57	1.56	1.57	1.59	1.59	1.60	1.61	1.62	1.62	1.63	1.64	1.65	0.6%	
West North Central	0.45	0.46	0.48	0.48	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.51	0.51	0.52	0.52	0.52	0.53	0.53	0.54	0.54	0.55	0.55	1.0%	
South Atlantic	0.40	0.41	0.43	0.45	0.46	0.48	0.50	0.51	0.53	0.54	0.56	0.58	0.59	0.61	0.62	0.63	0.65	0.66	0.67	0.69	0.70	0.71	2.8%	
East South Central	0.20	0.20	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.24	0.24	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.29	1.8%	
West South Central	0.38	0.39	0.42	0.43	0.44	0.45	0.45	0.45	0.45	0.45	0.46	0.46	0.46	0.47	0.48	0.48	0.49	0.50	0.50	0.51	0.51	0.52	1.5%	
Mountain	0.30	0.31	0.32	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.36	0.37	0.37	0.37	0.38	0.38	0.38	0.39	0.39	0.40	0.40	0.41	1.5%	
Pacific	0.55	0.57	0.58	0.60	0.62	0.64	0.66	0.67	0.69	0.71	0.73	0.75	0.76	0.77	0.78	0.79	0.80	0.82	0.83	0.84	0.85	0.87	2.2%	
Total	4.72	4.84	5.00	5.12	5.21	5.29	5.32	5.36	5.41	5.46	5.50	5.54	5.60	5.67	5.71	5.77	5.83	5.90	5.94	6.01	6.07	6.14	1.3%	
Commercial																								
New England	0.16	0.17	0.17	0.18	0.19	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	1.2%	
Middle Atlantic	0.61	0.63	0.65	0.67	0.68	0.69	0.69	0.70	0.70	0.70	0.71	0.71	0.71	0.72	0.72	0.72	0.72	0.72	0.73	0.73	0.73	0.72	0.9%	
East North Central	0.72	0.74	0.76	0.79	0.81	0.82	0.83	0.84	0.84	0.85	0.85	0.86	0.87	0.87	0.88	0.88	0.89	0.89	0.89	0.90	0.90	0.90	1.1%	
West North Central	0.29	0.30	0.31	0.33	0.34	0.34	0.34	0.35	0.35	0.35	0.35	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.37	0.37	0.37	1.2%	
South Atlantic	0.30	0.31	0.32	0.34	0.35	0.36	0.37	0.37	0.38	0.39	0.39	0.40	0.40	0.41	0.42	0.42	0.43	0.44	0.44	0.45	0.45	0.45	1.9%	
East South Central	0.14	0.15	0.16	0.16	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	1.4%	
West South Central	0.30	0.31	0.33	0.35	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.40	0.40	0.41	0.41	0.41	0.42	0.42	0.42	0.42	0.42	0.42	1.6%	
Mountain	0.21	0.22	0.23	0.24	0.25	0.26	0.26	0.26	0.27	0.27	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.31	1.8%	
Pacific	0.34	0.35	0.36	0.37	0.38	0.38	0.39	0.39	0.39	0.40	0.40	0.41	0.41	0.42	0.42	0.42	0.43	0.43	0.43	0.44	0.44	0.44	1.3%	
Total	3.07	3.18	3.30	3.43	3.52	3.58	3.62	3.65	3.69	3.72	3.75	3.78	3.82	3.86	3.89	3.92	3.94	3.97	3.99	4.00	4.02	4.02	1.3%	
Industrial 1/																								
New England	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	1.0%	
Middle Atlantic	0.64	0.68	0.71	0.72	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.76	0.76	0.77	0.78	0.77	0.77	0.78	0.78	0.77	0.78	0.78	0.9%	
East North Central	1.27	1.30	1.39	1.42	1.45	1.45	1.46	1.49	1.51	1.52	1.53	1.55	1.56	1.58	1.60	1.61	1.63	1.65	1.67	1.69	1.70	1.73	1.5%	
West North Central	0.41	0.42	0.45	0.46	0.47	0.47	0.47	0.48	0.49	0.49	0.49	0.50	0.50	0.51	0.51	0.52	0.53	0.53	0.54	0.54	0.55	0.56	1.5%	
South Atlantic	0.66	0.68	0.70	0.72	0.73	0.74	0.75	0.76	0.77	0.77	0.78	0.79	0.79	0.80	0.81	0.82	0.83	0.84	0.85	0.85	0.86	0.87	1.3%	
East South Central	0.47	0.48	0.50	0.50	0.52	0.52	0.52	0.53	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.60	0.60	1.2%	
West South Central	3.16	3.26	3.28	3.34	3.42	3.43	3.46	3.52	3.55	3.59	3.62	3.65	3.67	3.71	3.73	3.76	3.80	3.82	3.86	3.89	3.91	3.94	1.1%	
Mountain	0.28	0.29	0.29	0.30	0.30	0.30	0.30	0.31	0.31	0.32	0.32	0.32	0.32	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.35	1.0%	
Pacific	0.91	0.93	0.87	0.88	0.90	0.92	0.93	0.96	1.01	1.02	1.03	1.04	1.05	1.06	1.08	1.09	1.11	1.13	1.14	1.15	1.16	1.17	1.2%	
Total	7.95	8.19	8.34	8.50	8.68	8.72	8.81	8.96	9.09	9.17	9.24	9.33	9.39	9.49	9.57	9.65	9.76	9.84	9.93	10.00	10.08	10.18	1.2%	

Table 83. Natural Gas Consumption by End-Use Sector and Census Division (2 of 2)
(Trillion Cubic Feet per Year)

Sector and Region																					1999-			
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020	
Electric Generators 2/																								
New England	0.18	0.31	0.34	0.37	0.37	0.42	0.43	0.47	0.49	0.53	0.55	0.57	0.59	0.62	0.66	0.68	0.72	0.79	0.80	0.82	0.82	0.83	7.6%	
Middle Atlantic	0.18	0.24	0.24	0.31	0.37	0.40	0.50	0.53	0.59	0.64	0.69	0.82	0.85	0.91	0.95	1.01	1.12	1.19	1.24	1.26	1.28	1.30	9.8%	
East North Central	0.27	0.23	0.26	0.33	0.37	0.45	0.51	0.60	0.70	0.81	0.90	0.97	1.02	1.09	1.15	1.19	1.29	1.36	1.45	1.58	1.62	1.68	9.0%	
West North Central	0.05	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.07	0.08	0.09	0.11	0.14	0.18	0.23	0.25	0.26	0.28	0.29	0.30	8.6%	
South Atlantic	0.35	0.47	0.49	0.56	0.59	0.70	0.68	0.70	0.73	0.75	0.78	0.83	0.89	0.95	1.01	1.05	1.11	1.15	1.22	1.25	1.29	1.32	6.5%	
East South Central	0.16	0.14	0.17	0.22	0.28	0.30	0.40	0.48	0.59	0.72	0.88	1.03	1.11	1.19	1.32	1.49	1.56	1.64	1.71	1.82	1.89	1.97	12.8%	
West South Central	1.73	1.47	1.52	1.59	1.68	1.72	1.59	1.48	1.44	1.45	1.48	1.54	1.57	1.62	1.67	1.71	1.76	1.80	1.85	1.89	1.93	1.98	0.6%	
Mountain	0.17	0.20	0.23	0.28	0.29	0.29	0.25	0.22	0.19	0.19	0.18	0.16	0.16	0.16	0.17	0.17	0.18	0.18	0.20	0.21	0.22	0.23	1.6%	
Pacific	0.69	0.78	0.81	0.81	0.90	0.92	0.93	0.98	0.80	0.79	0.85	0.94	1.00	1.09	1.17	1.25	1.34	1.42	1.50	1.58	1.65	1.74	4.5%	
Total	3.78	3.90	4.11	4.51	4.89	5.25	5.35	5.52	5.59	5.93	6.37	6.94	7.29	7.74	8.23	8.74	9.30	9.78	10.23	10.69	10.99	11.34	5.4%	
Transportation 3/																								
New England	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	12.9%	
Middle Atlantic	0.00	0.00	0.00	0.00	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	0.02	0.02	0.02	10.2%	
East North Central	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10.4%	
West North Central	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	12.4%	
South Atlantic	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	11.2%	
East South Central	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	13.0%	
West South Central	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	12.1%	
Mountain	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	14.6%	
Pacific	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	11.0%	
Total	0.02	0.02	0.03	0.03	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.09	0.10	0.11	0.11	0.12	0.13	0.13	0.14	0.14	0.15	0.15	11.7%	
All Sectors 4/																								
New England	0.66	0.81	0.85	0.89	0.90	0.96	0.97	1.01	1.04	1.08	1.11	1.13	1.16	1.19	1.24	1.27	1.31	1.38	1.40	1.42	1.43	1.44	3.8%	
Middle Atlantic	2.25	2.38	2.44	2.56	2.66	2.71	2.81	2.86	2.93	2.99	3.05	3.18	3.22	3.30	3.35	3.40	3.52	3.61	3.66	3.68	3.71	3.74	2.5%	
East North Central	3.72	3.77	3.95	4.11	4.21	4.31	4.39	4.51	4.63	4.76	4.86	4.95	5.03	5.14	5.22	5.30	5.43	5.53	5.64	5.80	5.87	5.97	2.3%	
West North Central	1.20	1.24	1.30	1.32	1.35	1.36	1.37	1.38	1.39	1.41	1.42	1.45	1.47	1.50	1.54	1.60	1.66	1.70	1.72	1.75	1.77	1.80	2.0%	
South Atlantic	1.72	1.88	1.95	2.06	2.14	2.29	2.30	2.35	2.41	2.46	2.52	2.61	2.69	2.78	2.87	2.94	3.03	3.11	3.20	3.26	3.32	3.37	3.3%	
East South Central	0.97	0.98	1.04	1.11	1.19	1.22	1.33	1.42	1.55	1.68	1.85	2.01	2.10	2.20	2.33	2.51	2.59	2.68	2.76	2.88	2.95	3.04	5.6%	
West South Central	5.57	5.43	5.55	5.70	5.90	5.96	5.87	5.83	5.83	5.89	5.94	6.04	6.11	6.21	6.29	6.37	6.47	6.55	6.64	6.72	6.79	6.88	1.0%	
Mountain	0.96	1.01	1.07	1.15	1.18	1.20	1.17	1.15	1.14	1.14	1.15	1.14	1.14	1.15	1.17	1.19	1.20	1.22	1.25	1.27	1.28	1.31	1.5%	
Pacific	2.48	2.63	2.62	2.66	2.81	2.86	2.91	3.01	2.90	2.93	3.02	3.14	3.23	3.35	3.46	3.57	3.70	3.81	3.91	4.02	4.11	4.22	2.6%	
Total	19.52	20.12	20.77	21.58	22.33	22.87	23.12	23.54	23.82	24.34	24.93	25.65	26.17	26.83	27.48	28.15	28.92	29.58	30.18	30.79	31.25	31.77	2.3%	

1/ Excludes lease and plant fuel, and includes consumption by cogenerators.

2/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy.

3/ Compressed natural gas used as a vehicle fuel.

4/ Excludes lease and plant fuel and natural gas used for pipeline compressor station fuel.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1999 may differ slightly from official EIA data reports due to internal conversion factors in the AEO2001 National Energy Modeling System.

Sources: 1999 values: Energy Information Administration (EIA), Short-Term Energy Outlook, September 2000, <http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/sep00.pdf>. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 84. Natural Gas Delivered Prices by End-Use Sector and Census Division (1 of 2)
(1999 Dollars per Thousand Cubic Feet)

Sector and Region																					1999-			
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020	
Residential																								
New England	9.56	9.61	10.04	9.42	8.99	8.76	8.68	8.62	8.56	8.50	8.44	8.38	8.31	8.25	8.20	8.14	8.10	8.08	8.07	8.05	8.06	8.09	-0.8%	
Middle Atlantic	8.46	8.89	9.40	8.78	8.36	8.15	8.10	8.06	8.04	8.01	7.96	7.93	7.87	7.82	7.78	7.74	7.72	7.70	7.71	7.70	7.73	7.78	-0.4%	
East North Central	5.68	6.47	7.08	6.49	6.13	5.96	5.95	5.94	5.93	5.93	5.90	5.88	5.87	5.85	5.84	5.84	5.85	5.87	5.90	5.93	5.97	6.02	0.3%	
West North Central	5.96	6.57	7.22	6.72	6.40	6.24	6.23	6.21	6.19	6.18	6.14	6.12	6.10	6.07	6.06	6.07	6.08	6.10	6.12	6.15	6.19	6.25	0.2%	
South Atlantic	7.76	8.21	8.72	8.02	7.58	7.36	7.31	7.27	7.25	7.22	7.16	7.11	7.06	7.01	6.98	6.95	6.93	6.92	6.93	6.94	6.98	7.05	-0.5%	
East South Central	6.69	7.47	8.03	7.38	7.00	6.82	6.82	6.81	6.81	6.78	6.76	6.73	6.70	6.69	6.68	6.69	6.70	6.73	6.75	6.78	6.84	6.84	0.1%	
West South Central	6.23	7.29	7.84	7.20	6.84	6.67	6.67	6.66	6.67	6.67	6.65	6.64	6.62	6.60	6.60	6.59	6.59	6.61	6.63	6.66	6.69	6.74	0.4%	
Mountain	5.76	6.72	7.29	6.77	6.51	6.42	6.47	6.53	6.54	6.52	6.51	6.53	6.58	6.59	6.59	6.59	6.61	6.65	6.69	6.74	6.81	6.89	0.9%	
Pacific	6.52	7.37	7.93	7.48	7.18	7.04	6.96	6.90	6.84	6.77	6.74	6.72	6.71	6.68	6.65	6.61	6.58	6.55	6.52	6.50	6.50	6.53	0.0%	
Average	6.69	7.39	7.95	7.37	7.01	6.83	6.81	6.79	6.78	6.76	6.72	6.70	6.68	6.65	6.63	6.61	6.61	6.61	6.63	6.64	6.67	6.73	0.0%	
Commercial																								
New England	7.10	6.93	7.24	6.72	6.39	6.25	6.25	6.27	6.29	6.31	6.31	6.33	6.28	6.26	6.25	6.22	6.23	6.25	6.26	6.30	6.36	-0.5%		
Middle Atlantic	5.86	5.92	6.33	5.81	5.49	5.37	5.40	5.44	5.48	5.52	5.54	5.58	5.54	5.53	5.52	5.51	5.52	5.54	5.58	5.60	5.65	5.73	-0.1%	
East North Central	5.25	5.69	6.18	5.65	5.34	5.22	5.26	5.30	5.34	5.38	5.39	5.43	5.42	5.41	5.41	5.41	5.43	5.46	5.49	5.53	5.57	5.64	0.3%	
West North Central	4.84	5.20	5.75	5.32	5.06	4.97	5.01	5.05	5.09	5.13	5.15	5.19	5.18	5.17	5.17	5.19	5.22	5.26	5.29	5.34	5.39	5.46	0.6%	
South Atlantic	6.34	6.43	6.86	6.26	5.94	5.81	5.85	5.90	5.96	6.02	6.04	6.08	6.06	6.04	6.04	6.04	6.05	6.07	6.10	6.13	6.19	6.28	0.0%	
East South Central	5.65	6.16	6.62	6.04	5.73	5.63	5.69	5.75	5.81	5.88	5.91	5.95	5.94	5.93	5.94	5.95	5.97	6.00	6.05	6.09	6.13	6.20	0.4%	
West South Central	4.68	5.44	5.92	5.35	5.06	4.96	5.02	5.08	5.14	5.21	5.25	5.30	5.30	5.31	5.32	5.34	5.37	5.41	5.45	5.50	5.55	5.62	0.9%	
Mountain	4.67	5.39	5.86	5.42	5.23	5.21	5.32	5.44	5.50	5.54	5.59	5.66	5.73	5.75	5.77	5.78	5.81	5.87	5.91	5.97	6.04	6.14	1.3%	
Pacific	5.50	6.16	6.61	6.27	6.06	6.00	5.99	6.00	6.00	6.01	6.04	6.09	6.10	6.09	6.07	6.06	6.05	6.04	6.02	6.02	6.04	6.08	0.5%	
Average	5.49	5.86	6.31	5.80	5.52	5.41	5.45	5.50	5.54	5.58	5.61	5.65	5.64	5.63	5.63	5.63	5.65	5.68	5.71	5.74	5.79	5.86	0.3%	
Industrial 1/																								
New England	3.95	4.38	4.23	3.73	3.42	3.29	3.29	3.32	3.33	3.33	3.32	3.32	3.30	3.31	3.33	3.33	3.36	3.40	3.45	3.48	3.54	3.63	-0.4%	
Middle Atlantic	3.92	4.77	4.73	4.22	3.90	3.78	3.80	3.83	3.86	3.89	3.89	3.90	3.89	3.90	3.92	3.93	3.97	4.01	4.07	4.11	4.18	4.29	0.4%	
East North Central	3.18	4.46	4.50	3.97	3.67	3.56	3.58	3.61	3.63	3.65	3.64	3.66	3.67	3.68	3.70	3.73	3.77	3.82	3.87	3.93	3.99	4.07	1.2%	
West North Central	3.13	4.29	4.37	3.93	3.67	3.57	3.59	3.61	3.63	3.64	3.63	3.64	3.65	3.65	3.68	3.71	3.76	3.81	3.87	3.93	3.99	4.08	1.3%	
South Atlantic	2.94	3.83	3.80	3.23	2.92	2.80	2.84	2.89	2.94	2.99	3.00	3.03	3.04	3.06	3.10	3.12	3.17	3.22	3.28	3.34	3.42	3.53	0.9%	
East South Central	2.60	3.85	3.85	3.28	2.97	2.87	2.93	2.97	3.02	3.07	3.09	3.12	3.14	3.16	3.19	3.23	3.28	3.34	3.41	3.47	3.55	3.63	1.6%	
West South Central	2.50	3.94	3.95	3.39	3.09	2.99	3.03	3.07	3.12	3.17	3.19	3.22	3.24	3.27	3.31	3.35	3.40	3.46	3.52	3.59	3.66	3.75	1.9%	
Mountain	2.80	4.25	4.28	3.83	3.64	3.61	3.71	3.82	3.86	3.89	3.92	3.98	4.07	4.13	4.17	4.21	4.28	4.37	4.46	4.55	4.66	4.79	2.6%	
Pacific	2.77	3.89	3.92	3.60	3.41	3.35	3.34	3.34	3.33	3.33	3.35	3.40	3.43	3.46	3.48	3.50	3.52	3.54	3.56	3.59	3.63	3.70	1.4%	
Average	2.87	4.11	4.13	3.61	3.32	3.22	3.26	3.29	3.33	3.36	3.37	3.40	3.42	3.44	3.47	3.50	3.54	3.59	3.65	3.71	3.78	3.86	1.4%	

Table 84. Natural Gas Delivered Prices by End-Use Sector and Census Division (2 of 2)
(1999 Dollars per Thousand Cubic Feet)

Sector and Region																					1999-		
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
Electric Generators 2/																							
New England	2.73	3.69	3.56	3.11	2.82	2.74	2.77	2.78	2.82	2.84	2.82	2.82	2.80	2.82	2.85	2.87	2.90	2.96	3.01	3.05	3.11	3.20	0.8%
Middle Atlantic	2.88	3.82	3.67	3.13	2.82	2.70	2.79	2.95	2.98	3.05	3.08	3.11	3.13	3.15	3.18	3.21	3.27	3.34	3.42	3.48	3.56	3.67	1.2%
East North Central	2.20	3.38	3.28	2.78	2.49	2.43	2.51	2.63	2.66	2.70	2.71	2.71	2.75	2.78	2.81	2.85	2.90	2.96	3.02	3.10	3.17	3.26	1.9%
West North Central	2.53	3.78	3.75	3.30	3.04	2.93	2.92	2.92	2.93	2.94	3.01	3.08	3.19	3.23	3.34	3.48	3.63	3.73	3.81	3.89	3.96	4.05	2.3%
South Atlantic	3.07	3.79	3.68	3.16	2.86	2.80	2.83	2.91	2.99	3.05	3.11	3.16	3.21	3.27	3.34	3.39	3.44	3.52	3.60	3.67	3.74	3.81	1.0%
East South Central	2.57	4.00	3.84	3.23	2.90	2.79	3.05	3.19	3.31	3.41	3.49	3.54	3.56	3.59	3.64	3.71	3.76	3.83	3.90	3.98	4.05	4.14	2.3%
West South Central	2.55	4.08	3.98	3.39	3.07	2.96	2.97	2.99	3.02	3.07	3.09	3.12	3.15	3.18	3.22	3.27	3.32	3.38	3.45	3.52	3.59	3.68	1.8%
Mountain	2.55	3.92	3.91	3.45	3.26	3.30	3.41	3.50	3.50	3.50	3.53	3.57	3.61	3.65	3.68	3.69	3.70	3.70	3.69	3.69	3.69	3.70	1.8%
Pacific	2.53	4.27	4.15	3.76	3.51	3.35	3.18	3.07	2.91	2.85	2.85	2.90	2.95	3.00	3.05	3.09	3.15	3.21	3.26	3.32	3.40	3.49	1.5%
Average	2.59	3.98	3.87	3.34	3.05	2.93	2.94	2.97	2.98	3.02	3.05	3.08	3.12	3.15	3.20	3.25	3.30	3.37	3.43	3.49	3.57	3.66	1.6%
Transportation 3/																							
New England	8.27	8.63	8.33	7.73	7.35	7.19	7.18	7.22	7.27	7.30	7.32	7.35	7.34	7.35	7.37	7.37	7.37	7.39	7.40	7.39	7.42	7.46	-0.5%
Middle Atlantic	9.86	10.73	10.56	9.99	9.61	9.44	9.43	9.44	9.46	9.47	9.46	9.47	9.44	9.43	9.42	9.40	9.40	9.40	9.40	9.39	9.40	9.44	-0.2%
East North Central	7.75	8.86	8.79	8.18	7.83	7.68	7.69	7.73	7.77	7.81	7.82	7.85	7.87	7.88	7.90	7.91	7.93	7.95	7.97	8.00	8.02	8.06	0.2%
West North Central	5.85	6.71	6.62	6.08	5.76	5.64	5.67	5.75	5.83	5.90	5.95	6.02	6.07	6.11	6.15	6.20	6.24	6.29	6.32	6.37	6.41	6.48	0.5%
South Atlantic	6.77	7.52	7.37	6.74	6.39	6.25	6.28	6.36	6.46	6.55	6.60	6.66	6.70	6.74	6.78	6.81	6.84	6.88	6.92	6.95	7.00	7.07	0.2%
East South Central	6.57	7.69	7.60	6.97	6.63	6.52	6.57	6.64	6.72	6.80	6.84	6.89	6.92	6.96	7.00	7.04	7.08	7.13	7.18	7.23	7.29	7.36	0.5%
West South Central	5.94	7.06	6.90	6.23	5.87	5.75	5.81	5.90	6.01	6.12	6.19	6.27	6.33	6.39	6.44	6.49	6.53	6.57	6.62	6.66	6.71	6.78	0.6%
Mountain	6.40	7.41	7.34	6.85	6.64	6.60	6.70	6.83	6.90	6.96	7.04	7.14	7.24	7.30	7.35	7.39	7.43	7.48	7.52	7.56	7.61	7.68	0.9%
Pacific	6.56	7.62	7.51	7.05	6.81	6.75	6.76	6.81	6.87	6.92	6.99	7.08	7.15	7.19	7.22	7.25	7.26	7.27	7.27	7.27	7.30	7.35	0.5%
Average	7.21	8.15	8.02	7.43	7.10	6.97	6.99	7.04	7.10	7.15	7.18	7.23	7.27	7.29	7.32	7.34	7.36	7.38	7.41	7.43	7.46	7.52	0.2%
All Sectors 4/																							
New England	5.86	5.81	5.81	5.24	4.94	4.71	4.69	4.64	4.62	4.57	4.53	4.50	4.45	4.41	4.38	4.36	4.34	4.32	4.35	4.36	4.41	4.49	-1.3%
Middle Atlantic	6.00	6.42	6.68	6.05	5.63	5.45	5.37	5.37	5.34	5.33	5.29	5.21	5.18	5.13	5.11	5.08	5.05	5.05	5.08	5.11	5.16	5.24	-0.6%
East North Central	4.49	5.43	5.75	5.16	4.81	4.65	4.63	4.61	4.59	4.56	4.52	4.50	4.48	4.46	4.46	4.46	4.47	4.49	4.51	4.53	4.57	4.64	0.2%
West North Central	4.57	5.33	5.72	5.27	4.99	4.87	4.88	4.89	4.89	4.90	4.87	4.87	4.85	4.83	4.82	4.81	4.82	4.85	4.89	4.93	4.98	5.05	0.5%
South Atlantic	4.69	5.22	5.36	4.76	4.43	4.25	4.30	4.34	4.39	4.44	4.45	4.47	4.46	4.46	4.47	4.49	4.51	4.55	4.59	4.64	4.70	4.79	0.1%
East South Central	3.89	4.98	5.13	4.49	4.11	4.00	4.02	4.03	4.05	4.07	4.06	4.06	4.06	4.06	4.08	4.11	4.14	4.20	4.25	4.31	4.37	4.45	0.6%
West South Central	2.90	4.31	4.38	3.80	3.49	3.38	3.43	3.46	3.51	3.56	3.58	3.60	3.62	3.64	3.68	3.71	3.76	3.81	3.87	3.93	4.00	4.08	1.6%
Mountain	4.09	5.19	5.45	4.93	4.72	4.70	4.84	4.97	5.04	5.07	5.10	5.18	5.25	5.29	5.31	5.31	5.34	5.40	5.42	5.47	5.53	5.60	1.5%
Pacific	3.92	5.06	5.27	4.91	4.65	4.54	4.47	4.41	4.43	4.42	4.40	4.40	4.41	4.40	4.38	4.37	4.37	4.37	4.37	4.38	4.41	4.47	0.6%
Average	4.16	5.15	5.35	4.80	4.48	4.34	4.35	4.37	4.38	4.39	4.38	4.38	4.37	4.37	4.37	4.38	4.39	4.42	4.46	4.49	4.55	4.62	0.5%

1/ Excludes lease and plant fuel and includes consumption by cogenerators.

2/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy.

3/ Compressed natural gas used as a vehicle fuel, including federal and state fuel taxes. Excludes dispensing charges for fleet vehicles.

4/ Weighted average price. Weights used are the sector consumption values.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1999 may differ slightly from official EIA data reports due to internal conversion factors in the AEO2001 National Energy Modeling System.

Sources: 1999 residential and commercial sector values: Energy Information Administration (EIA), Natural Gas Monthly, DOE/EIA-0130(2000/06) (Washington, DC, June 2000). 1999 industrial natural gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1994. Other 1999 values and projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 85. Natural Gas Pipeline Capacity By Census Division (1 of 1)
(Design Capacity in Billions of Cubic Feet per Year)

Region	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
Capacity Entering Region 1/																							
New England	1066	1203	1227	1302	1356	1356	1356	1356	1356	1356	1392	1422	1450	1491	1543	1572	1616	1690	1711	1735	1750	1761	2.4%
Mid Atlantic	4542	4542	4542	4569	4622	4630	4635	4645	4656	4669	4678	4689	4700	4712	4725	4735	4767	4870	4877	4894	4926	4964	0.4%
East North Central	8285	8481	8860	8860	8860	8860	8860	8860	8860	8860	8860	8985	9124	9288	9425	9560	9722	9886	10041	10224	10366	10530	1.1%
West North Central	6164	6335	6659	6659	6659	6669	6676	6731	6816	6905	6976	7061	7113	7181	7257	7346	7461	7586	7716	7867	8008	8161	1.3%
South Atlantic	5458	5605	5678	5829	6039	6048	6062	6098	6152	6177	6216	6277	6337	6401	6475	6519	6583	6629	6695	6735	6775	6804	1.1%
East South Central	9022	9163	9212	9239	9295	9295	9295	9295	9295	9295	9295	9295	9295	9295	9295	9315	9391	9461	9477	9530	9592	9592	0.3%
West South Central	1794	1794	1815	1858	1907	1907	1907	1907	1907	1907	1907	1907	1909	1913	1917	1921	1925	1929	1933	1936	1939	1943	0.4%
Mountain	2466	2469	2469	2469	2469	2469	2469	2469	2469	2470	2470	2470	2471	2471	2471	2472	2472	2472	2473	2473	2473	2473	0.0%
Pacific	3866	3866	3866	3866	3882	3913	3926	3949	3962	3977	4023	4154	4259	4372	4460	4561	4691	4809	4911	5019	5126	5236	1.5%
Total	42662	43458	44328	44651	45090	45148	45187	45312	45474	45617	45819	46261	46657	47124	47569	48000	48629	49332	49818	50360	50894	51464	0.9%
United States (Pipeline Imports)	4759	5069	5418	5467	5472	5499	5516	5565	5619	5682	5734	5797	5861	5927	5999	6059	6121	6182	6225	6276	6326	6378	1.4%
Capacity Exiting Region 2/																							
New England	104	104	104	131	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	2.8%
Mid Atlantic	1995	2025	2025	2052	2105	2105	2105	2105	2105	2105	2141	2171	2199	2240	2293	2318	2359	2430	2448	2470	2482	2490	1.1%
East North Central	3080	3166	3342	3342	3342	3342	3342	3342	3342	3342	3342	3342	3342	3342	3342	3342	3344	3347	3347	3355	3379	3408	0.5%
West North Central	4638	4835	5214	5214	5214	5214	5214	5214	5214	5214	5214	5338	5477	5642	5779	5914	6076	6239	6395	6577	6720	6883	1.9%
South Atlantic	3357	3381	3430	3430	3430	3430	3430	3430	3430	3430	3430	3430	3430	3430	3430	3430	3451	3540	3540	3540	3540	3540	0.3%
East South Central	7333	7450	7523	7674	7884	7893	7907	7943	7996	8022	8061	8122	8181	8246	8320	8363	8428	8473	8540	8579	8620	8649	0.8%
West South Central	14068	14238	14238	14298	14420	14420	14420	14420	14420	14420	14420	14420	14420	14420	14420	14440	14516	14586	14586	14602	14655	14717	0.2%
Mountain	4535	4535	4572	4647	4706	4728	4735	4776	4831	4885	4960	5124	5230	5361	5469	5617	5818	6018	6221	6444	6656	6883	2.0%
Pacific	264	390	476	476	476	476	476	476	476	476	476	476	476	476	476	476	476	476	476	476	476	476	2.8%
Total	39375	40125	40924	41263	41762	41794	41815	41891	41999	42079	42229	42608	42940	43342	43714	44085	44652	45294	45737	46228	46712	47231	0.9%
United States (Pipeline Exports)	1471	1737	2014	2078	2144	2144	2144	2144	2144	2144	2144	2144	2144	2144	2144	2144	2144	2144	2144	2144	2144	2144	1.8%

1/ Includes only the sum of capacity levels for the States bounding the respective regions including pipeline import capacity.

2/ Includes only the sum of capacity levels for the States bounding the respective regions including pipeline export capacity.

N/A = Not applicable.

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

Source: Energy Information Administration, AEO2001 National Energy Modeling System run AEO2001.D101600A.

**Table 86. Natural Gas Pipeline Capacity Utilization 1/ by Census Division (1 of 1)
(Fraction)**

Region	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Utilization Entering Region																							
New England	0.56	0.68	0.68	0.68	0.69	0.73	0.75	0.78	0.80	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.84	0.84	1.9%
Mid Atlantic	0.66	0.71	0.72	0.75	0.77	0.78	0.81	0.82	0.84	0.85	0.86	0.89	0.90	0.91	0.92	0.93	0.96	0.96	0.97	0.97	0.97	0.97	1.9%
East North Central	0.61	0.63	0.63	0.66	0.68	0.69	0.71	0.73	0.74	0.76	0.78	0.79	0.79	0.79	0.79	0.78	0.78	0.78	0.78	0.78	0.78	0.77	1.1%
West North Central	0.62	0.60	0.62	0.66	0.68	0.71	0.73	0.74	0.76	0.77	0.77	0.78	0.79	0.80	0.80	0.81	0.82	0.83	0.84	0.84	0.85	0.85	1.5%
South Atlantic	0.67	0.68	0.68	0.69	0.67	0.69	0.69	0.70	0.70	0.70	0.70	0.71	0.71	0.71	0.72	0.72	0.72	0.73	0.73	0.72	0.72	0.72	0.4%
East South Central	0.64	0.63	0.63	0.66	0.67	0.68	0.70	0.72	0.73	0.75	0.78	0.81	0.82	0.83	0.84	0.86	0.86	0.87	0.87	0.88	0.88	0.88	1.5%
West South Central	0.30	0.29	0.30	0.31	0.32	0.31	0.30	0.29	0.28	0.28	0.28	0.27	0.26	0.26	0.25	0.25	0.25	0.26	0.26	0.27	0.28	0.29	-0.2%
Mountain	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.2%
Pacific	0.65	0.65	0.64	0.66	0.69	0.71	0.72	0.74	0.71	0.72	0.74	0.74	0.75	0.75	0.76	0.77	0.78	0.78	0.78	0.79	0.79	0.80	1.0%
Average 2/	0.59	0.60	0.61	0.63	0.64	0.66	0.67	0.68	0.69	0.71	0.72	0.73	0.74	0.74	0.75	0.75	0.76	0.77	0.77	0.77	0.77	0.77	1.3%
United States (Pipeline Imports)	0.82	0.79	0.80	0.82	0.85	0.89	0.91	0.93	0.94	0.95	0.96	0.96	0.97	0.97	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.9%
Utilization Exiting Region																							
New England	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.0%
Mid Atlantic	0.35	0.44	0.44	0.45	0.46	0.48	0.48	0.49	0.50	0.50	0.49	0.49	0.48	0.48	0.48	0.48	0.49	0.51	0.51	0.51	0.51	0.51	1.9%
East North Central	0.54	0.56	0.55	0.58	0.59	0.60	0.61	0.62	0.63	0.64	0.66	0.68	0.68	0.69	0.70	0.70	0.70	0.71	0.71	0.71	0.71	0.71	1.3%
West North Central	0.61	0.65	0.65	0.69	0.72	0.74	0.77	0.80	0.84	0.87	0.87	0.88	0.88	0.89	0.89	0.89	0.89	0.90	0.90	0.90	0.90	0.91	1.9%
South Atlantic	0.58	0.62	0.62	0.64	0.65	0.66	0.68	0.69	0.70	0.71	0.71	0.73	0.74	0.76	0.77	0.78	0.81	0.82	0.83	0.83	0.83	0.83	1.7%
East South Central	0.69	0.69	0.68	0.70	0.69	0.71	0.71	0.71	0.71	0.71	0.72	0.73	0.72	0.72	0.71	0.71	0.71	0.71	0.70	0.69	0.68	0.68	-0.1%
West South Central	0.52	0.51	0.51	0.53	0.53	0.55	0.56	0.58	0.60	0.61	0.63	0.65	0.66	0.67	0.69	0.70	0.71	0.71	0.72	0.73	0.73	0.73	1.6%
Mountain	0.49	0.51	0.52	0.54	0.58	0.58	0.58	0.59	0.56	0.57	0.57	0.58	0.59	0.59	0.60	0.61	0.63	0.64	0.65	0.66	0.67	0.69	1.7%
Pacific	0.40	0.33	0.32	0.37	0.39	0.43	0.45	0.47	0.49	0.51	0.53	0.55	0.57	0.60	0.62	0.64	0.66	0.68	0.70	0.72	0.74	0.76	3.1%
Average 2/	0.56	0.57	0.57	0.59	0.60	0.61	0.63	0.64	0.65	0.66	0.67	0.69	0.69	0.70	0.70	0.71	0.72	0.72	0.73	0.73	0.73	0.74	1.3%
United States (Pipeline Exports)	0.39	0.35	0.34	0.37	0.39	0.40	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.50	0.51	0.51	0.52	0.53	0.54	0.55	1.6%

1/ Capacity utilization is defined as the annual throughput volume divided by the design capacity (Table 85).

2/ Weighted average utilization. Weights used are the regional pipeline capacity levels provided in Table 85.

N/A = Not applicable.

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

Source: Energy Information Administration, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 87. Domestic Coal Supply, Disposition, and Prices (1 of 1)

1999-

Supply, Consumption, and Prices	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
Sources of Supply (million short tons)																							
Distribution from																							
Appalachia 1/	388.2	376.0	369.5	374.0	374.8	372.2	369.6	371.0	368.0	367.9	366.2	362.9	363.9	361.3	360.5	361.5	362.6	354.8	353.4	352.6	352.3	349.4	-0.5%
Interior	165.7	161.8	161.7	162.0	164.1	166.8	167.6	175.5	176.8	176.2	175.4	171.2	168.5	169.1	170.0	168.3	169.5	160.1	159.4	159.0	153.3	152.3	-0.4%
Northern Great Plains	400.3	425.3	450.6	483.8	497.1	503.7	519.8	519.7	546.3	555.6	560.9	565.0	572.5	577.5	582.9	587.6	591.6	616.5	628.0	631.1	643.3	657.0	2.4%
Other West and Non-Contiguous	92.8	89.6	94.3	101.0	102.6	106.6	109.2	108.1	111.4	110.8	107.4	116.1	115.6	117.5	117.7	117.8	116.6	117.9	117.8	117.2	116.4	116.3	1.1%
Total Distribution																							
(excludes exports)	1047.0	1052.7	1076.1	1120.9	1138.6	1149.3	1166.3	1174.4	1202.5	1210.5	1209.9	1215.1	1220.4	1225.4	1231.1	1235.1	1240.3	1249.2	1258.5	1259.8	1265.3	1274.9	0.9%
Imports	9.1	10.4	12.3	13.0	13.7	14.9	15.6	15.8	16.5	16.8	17.0	17.2	17.5	17.7	18.0	18.2	18.5	18.7	19.0	19.3	19.5	19.7	3.8%
Total Supply	1056.1	1063.1	1088.4	1133.9	1152.3	1164.2	1181.9	1190.2	1219.0	1227.3	1226.9	1232.3	1237.9	1243.1	1249.1	1253.3	1258.8	1267.9	1277.5	1279.1	1284.8	1294.6	1.0%
Consumption (million short tons)																							
Residential/Commercial	4.8	4.7	4.9	5.0	5.0	5.1	5.2	5.2	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	0.6%
Industrial	78.7	80.1	80.3	80.0	81.6	82.3	83.1	83.6	84.1	84.2	84.3	84.5	84.6	84.8	84.9	85.1	85.3	85.5	85.8	86.0	86.2	86.5	0.5%
Coke Plants	28.1	29.4	28.8	28.1	27.4	26.5	25.6	24.8	23.9	23.5	23.0	22.6	22.2	21.8	21.4	21.0	20.6	20.2	19.8	19.4	19.1	18.7	-1.9%
Electric Generators	923.1	963.6	997.7	1021.7	1039.3	1051.0	1068.7	1077.6	1106.9	1115.4	1115.7	1122.0	1127.6	1131.9	1139.1	1142.5	1149.4	1157.3	1168.2	1169.5	1175.5	1185.9	1.2%
Total Consumption	1034.7	1077.7	1111.7	1134.7	1153.3	1164.9	1182.5	1191.1	1220.2	1228.4	1228.5	1234.5	1239.9	1243.9	1250.8	1254.1	1260.7	1268.5	1279.3	1280.4	1286.2	1296.6	1.1%
Discrepancy 2/	21.4	-14.6	-23.3	-0.8	-1.0	-0.6	-0.7	-0.9	-1.2	-1.1	-1.6	-2.2	-2.0	-0.7	-1.7	-0.8	-2.0	-0.6	-1.8	-1.3	-1.4	-1.9	N/A
Delivered Prices																							
(1999 dollars per short ton)																							
Industrial	31.43	31.01	30.39	30.12	29.84	29.70	29.50	29.28	29.12	28.83	28.57	28.40	28.18	28.02	27.88	27.66	27.49	27.28	27.08	26.91	26.72	26.48	-0.8%
Coke Plants	44.25	44.59	44.37	43.65	43.26	42.90	42.57	42.28	42.03	41.74	41.52	41.25	40.96	40.67	40.58	40.37	39.81	39.55	39.29	39.05	38.81	38.57	-0.7%
Electric Generators	24.69	24.16	23.81	23.64	23.32	23.03	22.73	22.45	21.96	21.57	21.20	21.04	20.84	20.69	20.55	20.38	20.25	20.02	19.88	19.74	19.59	19.45	-1.1%
Average Price 3/	25.74	25.23	24.82	24.60	24.26	23.96	23.64	23.35	22.85	22.45	22.09	21.92	21.70	21.54	21.40	21.21	21.06	20.83	20.67	20.52	20.35	20.19	-1.1%

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 stock changes.

3/ Weighted average excludes residential/commercial prices.

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

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

Northern Great Plains: ND, MT, WY.

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

N/A = Not applicable.

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

Source: Energy Information Administration, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 88. Coal Production and Minemouth Prices by Region (1 of 1)

1999-

Supply Regions 1/	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
Production (million short tons)																							
Appalachia 2/	437.29	424.72	419.88	423.66	423.91	420.80	417.92	418.99	415.54	415.12	412.90	408.88	409.09	405.91	405.15	406.13	404.13	396.31	395.03	394.64	394.63	392.02	-0.5%
Interior	166.24	162.30	162.23	162.58	164.70	167.41	168.17	175.99	177.23	176.55	175.65	171.40	168.58	169.11	170.01	168.29	169.48	160.05	159.36	158.97	153.30	152.27	-0.4%
Northern Great Plains	404.45	429.29	454.50	487.62	500.78	507.37	523.37	523.32	549.93	559.26	564.56	568.62	576.18	581.26	586.78	591.54	595.75	620.71	632.42	635.64	648.04	661.85	2.4%
Other West and Non-Contiguous	97.33	94.30	99.37	106.74	108.98	113.73	116.50	115.50	118.86	118.33	115.03	123.82	123.42	125.43	125.69	125.87	124.75	126.17	126.11	125.61	124.87	124.88	1.2%
Appalachia 2/	437.29	424.72	419.88	423.66	423.91	420.80	417.92	418.99	415.54	415.12	412.90	408.88	409.09	405.91	405.15	406.13	404.13	396.31	395.03	394.64	394.63	392.02	-0.5%
Interior	166.24	162.30	162.23	162.58	164.70	167.41	168.17	175.99	177.23	176.55	175.65	171.40	168.58	169.11	170.01	168.29	169.48	160.05	159.36	158.97	153.30	152.27	-0.4%
West	501.79	523.59	553.87	594.36	609.76	621.09	639.86	638.82	668.79	677.59	679.59	692.43	699.60	706.69	712.47	717.41	720.49	746.88	758.53	761.25	772.91	786.73	2.2%
East of Mississippi River	545.87	530.81	527.57	534.62	539.41	539.81	538.30	547.71	545.91	545.23	544.52	537.40	536.91	534.39	534.62	534.77	534.42	517.21	515.26	514.84	514.38	511.80	-0.3%
West of Mississippi River	559.45	579.80	608.41	645.98	658.97	669.49	687.65	686.09	715.65	724.03	723.62	735.31	740.37	747.33	753.00	757.06	759.68	786.04	797.66	800.02	806.47	819.22	1.8%
U.S. Total	1105.32	1110.61	1135.98	1180.60	1198.38	1209.30	1225.96	1233.80	1261.56	1269.26	1268.14	1272.71	1277.27	1281.71	1287.62	1291.83	1294.10	1303.25	1312.92	1314.85	1320.84	1331.02	0.9%
Minemouth Prices (1999 dollars per short ton)																							
Appalachia	26.07	25.67	25.23	24.85	24.53	24.38	24.18	23.91	23.76	23.54	23.37	23.32	23.21	23.12	23.13	23.02	22.87	22.81	22.71	22.66	22.68	22.63	-0.7%
Interior	18.73	18.47	18.32	18.26	18.37	18.35	18.23	18.59	18.53	18.38	18.31	18.10	17.97	17.93	17.92	17.71	17.64	17.02	16.96	16.93	16.83	16.78	-0.5%
Northern Great Plains	5.87	5.76	5.59	5.47	5.32	5.19	5.12	5.04	5.03	4.96	4.86	4.78	4.78	4.79	4.79	4.79	4.81	4.91	4.96	4.97	5.01	4.99	-0.8%
Other West and Non-Contiguous	19.35	18.71	18.61	18.56	18.50	18.46	18.43	18.40	18.29	18.04	17.91	18.11	18.04	17.97	17.87	17.80	17.79	17.78	17.73	17.68	17.57	17.48	-0.5%
Appalachia	26.07	25.67	25.23	24.85	24.53	24.38	24.18	23.91	23.76	23.54	23.37	23.32	23.21	23.12	23.13	23.02	22.87	22.81	22.71	22.66	22.68	22.63	-0.7%
Interior	18.73	18.47	18.32	18.26	18.37	18.35	18.23	18.59	18.53	18.38	18.31	18.10	17.97	17.93	17.92	17.71	17.64	17.02	16.96	16.93	16.83	16.78	-0.5%
West	8.48	8.10	7.92	7.82	7.68	7.62	7.54	7.46	7.39	7.24	7.07	7.16	7.12	7.13	7.10	7.08	7.06	7.09	7.08	7.07	7.04	6.97	-0.9%
East of Mississippi River	25.16	24.76	24.35	24.01	23.74	23.59	23.37	23.21	23.06	22.84	22.66	22.58	22.45	22.35	22.35	22.21	22.05	21.88	21.78	21.73	21.69	21.62	-0.7%
West of Mississippi River	9.00	8.62	8.39	8.22	8.04	7.96	7.87	7.79	7.70	7.56	7.37	7.43	7.36	7.38	7.34	7.31	7.29	7.30	7.29	7.29	7.21	7.13	-1.1%
U.S. Total	16.98	16.33	15.80	15.37	15.11	14.94	14.68	14.63	14.35	14.12	13.93	13.83	13.70	13.62	13.57	13.47	13.38	13.09	12.98	12.94	12.85	12.70	-1.4%

1/ Coal Production Regions:

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

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

Northern Great Plains: ND, 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

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

Source: Energy Information Administration, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 89. Coal Production by Region and Type (1 of 2)
(Million Short Tons per Year)

Supply Regions and Coal Types																					1999-		
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
Northern Appalachia	161.84	157.64	158.78	162.34	160.65	157.45	154.83	158.31	160.90	162.80	162.95	158.64	158.15	158.80	160.89	160.84	159.36	148.90	147.29	147.30	147.03	145.97	-0.5%
Medium Sulfur (Premium) 1/	6.05	6.11	6.16	6.18	6.05	5.90	5.78	5.66	5.55	5.49	5.44	5.38	5.33	5.28	5.24	5.19	4.95	4.66	4.48	4.23	4.02	3.82	-2.2%
Low Sulfur (Bituminous) 2/	2.46	2.66	2.76	1.99	2.33	2.75	2.76	2.58	2.50	2.44	2.37	2.38	2.33	2.13	1.94	1.83	1.71	1.80	1.77	1.68	1.52	1.40	-2.6%
Medium Sulfur (Bituminous) 2/	80.97	83.44	84.25	88.92	93.12	92.33	92.83	93.79	94.72	97.60	98.42	94.68	95.06	96.23	98.59	99.36	98.79	90.61	90.19	90.94	90.74	89.33	0.5%
High Sulfur (Bituminous)	62.18	54.13	53.19	51.70	45.61	42.93	39.91	42.73	44.59	43.72	43.17	42.65	41.87	41.61	41.57	40.91	40.36	38.28	37.30	36.90	37.19	37.87	-2.3%
High Sulfur (Gob) 3/	10.17	11.30	12.43	13.55	13.55	13.55	13.55	13.55	13.55	13.55	13.55	13.55	13.55	13.55	13.55	13.55	13.55	13.55	13.55	13.55	13.55	13.55	1.4%
Central Appalachia	255.26	247.52	240.51	240.49	243.23	243.52	243.40	241.25	235.59	233.39	231.32	231.89	232.75	228.89	226.40	227.64	227.43	230.19	230.67	230.51	231.01	229.71	-0.5%
Medium Sulfur (Premium) 1/	48.07	49.30	50.72	50.08	49.46	48.71	48.28	47.87	47.47	47.36	47.26	47.17	47.09	47.02	46.94	46.87	45.12	45.07	44.59	44.74	44.85	44.93	-0.3%
Low Sulfur (Bituminous)	64.76	64.52	62.37	61.79	61.78	61.85	61.84	61.53	59.84	57.83	56.40	58.17	58.47	56.79	55.16	55.11	55.16	59.60	60.57	60.41	61.05	60.01	-0.4%
Medium Sulfur (Bituminous)	142.43	133.71	127.43	128.62	131.99	132.96	133.28	131.85	128.28	128.20	127.65	126.55	127.19	125.08	124.31	125.66	127.15	125.52	125.51	125.36	125.11	124.76	-0.6%
Southern Appalachia	20.20	19.56	20.58	20.83	20.03	19.83	19.70	19.43	19.04	18.92	18.64	18.35	18.18	18.23	17.85	17.64	17.34	17.23	17.07	16.83	16.59	16.34	-1.0%
Low Sulfur (Premium) 1/	4.70	4.79	4.99	4.92	4.86	4.78	4.74	4.71	4.69	4.68	4.63	4.43	4.20	4.20	3.99	3.84	3.56	3.43	3.37	3.27	3.21	3.15	-1.9%
Low Sulfur (Bituminous)	5.40	5.21	5.30	5.51	5.82	5.85	5.88	5.83	5.71	5.55	5.36	5.54	5.53	5.42	5.30	5.29	5.28	5.56	5.55	5.51	5.43	5.37	0.0%
Medium Sulfur (Bituminous)	9.80	8.57	8.37	7.62	6.34	6.19	6.06	5.87	5.63	5.68	5.63	5.37	5.44	5.60	5.54	5.50	5.49	5.23	5.13	5.04	4.94	4.80	-3.3%
Medium Sulfur (Lignite)	0.30	0.99	1.92	2.77	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	11.6%
Eastern Interior	108.58	106.09	107.70	110.96	115.49	119.01	120.38	128.72	130.37	130.11	131.62	128.52	127.82	128.47	129.48	128.64	130.29	120.89	120.22	120.20	119.75	119.78	0.5%
Medium Sulfur (Bituminous)	28.84	29.34	30.70	32.72	35.12	35.14	35.09	34.64	33.47	34.70	35.78	33.25	33.66	33.76	34.49	35.79	36.77	29.59	29.00	28.84	28.75	28.27	-0.1%
High Sulfur (Bituminous)	79.74	76.75	77.00	78.24	80.37	83.88	85.29	94.07	96.90	95.42	95.83	95.27	94.16	94.71	94.98	92.84	93.52	91.30	91.23	91.36	91.00	91.51	0.7%
Western Interior High Sulfur (Bitumino)	2.43	2.35	2.34	2.31	2.35	2.35	2.37	2.37	2.38	2.30	2.31	2.32	2.31	2.31	2.32	2.29	2.28	2.28	2.29	2.30	2.30	2.31	-0.2%
Gulf	55.23	53.85	52.20	49.31	46.86	46.05	45.42	44.90	44.47	44.14	41.72	40.56	38.46	38.32	38.22	37.36	36.92	36.88	36.85	36.47	31.25	30.19	-2.8%
Medium Sulfur (Lignite)	27.75	27.75	25.82	23.91	22.34	20.06	20.06	18.80	16.22	15.73	14.67	14.12	13.37	13.21	12.93	12.79	12.36	12.76	12.80	12.59	10.61	9.94	-4.8%
High Sulfur (Lignite)	27.49	26.10	26.37	25.40	24.53	25.98	25.35	26.10	28.25	28.41	27.06	26.44	25.09	25.12	25.29	24.57	24.55	24.11	24.04	23.89	20.64	20.25	-1.4%
Dakota Medium Sulfur (Lignite)	29.25	29.64	29.81	29.92	30.13	30.34	30.59	30.35	30.51	30.64	31.07	30.82	30.93	31.07	31.16	31.31	31.44	37.73	37.56	37.20	36.93	32.21	0.5%
Powder/Green River	375.20	399.65	424.69	457.70	470.65	477.03	492.78	492.96	519.42	528.61	533.48	537.80	545.25	550.19	555.62	560.23	564.30	582.98	594.86	598.44	611.11	629.64	2.5%
Low Sulfur (Bituminous)	1.16	1.12	0.10	0.10	0.10	0.10	0.10	0.25	0.37	0.41	0.39	0.36	0.32	0.28	0.25	0.22	0.20	0.18	0.16	0.14	0.12	0.11	-10.6%
Low Sulfur (Sub-Bituminous)	338.66	358.85	385.17	414.10	426.72	432.56	444.71	437.61	459.35	467.41	474.55	480.61	487.67	492.60	500.07	504.05	507.72	526.35	538.78	542.00	550.90	568.67	2.5%
Medium Sulfur (Sub-Bituminous)	35.38	39.67	39.43	43.50	43.83	44.37	47.97	55.11	59.70	60.80	58.54	56.84	57.26	57.31	55.30	55.95	56.39	56.45	55.91	56.31	60.09	60.86	2.6%
Rocky Mountain	53.40	52.70	57.58	64.83	66.95	71.58	74.11	73.14	76.54	76.08	73.34	82.70	82.50	84.64	85.10	85.42	84.45	86.02	86.14	85.28	84.75	84.95	2.2%
Low Sulfur (Bituminous)	45.03	44.00	49.62	57.45	60.33	65.61	68.44	67.57	71.13	71.03	68.55	77.28	77.27	79.28	79.76	80.11	79.33	80.69	80.83	80.05	79.59	79.81	2.8%
Low Sulfur (Sub-Bituminous)	8.37	8.70	7.96	7.38	6.62	5.98	5.66	5.57	5.41	5.05	4.79	5.42	5.23	5.36	5.34	5.32	5.12	5.33	5.31	5.23	5.16	5.15	-2.3%

Table 89. Coal Production by Region and Type (2 of 2)
(Million Short Tons per Year)

Supply Regions and Coal Types																					1999-		
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
Arizona/New Mexico	38.95	36.64	36.74	36.76	36.78	36.78	37.00	36.95	36.90	36.81	36.23	35.64	35.43	35.28	35.06	34.92	34.75	34.60	34.43	34.83	34.65	34.48	-0.6%
Low Sulfur (Bituminous)	18.98	16.79	16.77	16.79	16.78	16.76	16.76	16.71	16.65	16.55	16.48	16.40	16.34	16.35	16.28	16.29	16.28	16.27	16.25	16.23	16.20	16.16	-0.8%
Medium Sulfur (Sub-Bituminous)	19.97	19.85	19.97	19.97	20.00	20.01	20.25	20.25	20.25	20.25	19.74	19.24	19.08	18.93	18.78	18.63	18.47	18.33	18.19	18.60	18.45	18.31	-0.4%
Washington/Alaska																							
Medium Sulfur (Sub-Bituminous)	4.98	4.96	5.06	5.15	5.25	5.36	5.38	5.40	5.42	5.44	5.46	5.48	5.50	5.51	5.52	5.53	5.54	5.55	5.53	5.50	5.47	5.45	0.4%
Subtotals: All Regions																							
Premium Metallurgical 1/	58.82	60.20	61.86	61.18	60.37	59.39	58.80	58.24	57.71	57.54	57.33	56.99	56.62	56.50	56.17	55.89	53.63	53.16	52.43	52.24	52.09	51.90	-0.6%
Bituminous	544.19	522.59	520.18	533.77	542.03	548.68	550.61	559.81	562.16	561.42	558.37	560.21	559.95	559.56	560.50	561.22	562.31	546.91	545.79	544.75	543.94	541.72	0.0%
Sub-Bituminous	407.36	432.04	457.58	490.10	502.43	508.28	523.97	523.94	550.13	558.96	563.08	567.58	574.74	579.71	585.01	589.48	593.24	612.01	623.72	627.63	640.07	658.43	2.3%
Lignite	94.96	95.78	96.36	95.55	93.55	92.95	92.57	91.82	91.55	91.34	89.35	87.94	85.95	85.95	85.94	85.24	84.92	91.17	90.97	90.23	84.74	78.96	-0.9%
Low Sulfur	489.52	506.64	535.02	570.02	585.32	596.22	610.90	602.36	625.64	630.95	633.54	650.58	657.36	662.41	668.10	672.05	674.35	699.21	712.60	714.51	723.17	739.84	2.0%
Medium Sulfur	433.79	433.32	429.63	439.37	446.66	444.39	448.59	452.61	450.24	454.91	452.67	441.90	442.93	442.00	441.81	445.61	445.50	434.52	431.91	432.35	432.99	425.70	-0.1%
High Sulfur	182.01	170.64	171.33	171.20	166.40	168.69	166.47	178.83	185.67	183.39	181.92	180.22	176.98	177.30	177.71	174.16	174.25	169.52	168.41	167.99	164.68	165.48	-0.5%
Underground	379.92	374.44	381.47	395.97	401.63	408.06	411.50	415.86	418.99	420.30	417.93	420.40	421.69	422.96	425.42	426.09	425.31	412.87	412.18	411.95	412.51	412.79	0.4%
Surface	725.40	736.17	754.51	784.63	796.75	801.24	814.46	817.94	842.57	848.95	850.21	852.31	855.58	858.75	862.20	865.74	868.79	890.38	900.74	902.90	908.33	918.23	1.1%
U.S. Total	1105.32	1110.61	1135.98	1180.60	1198.38	1209.30	1225.95	1233.80	1261.55	1269.25	1268.14	1272.71	1277.27	1281.71	1287.62	1291.83	1294.10	1303.25	1312.92	1314.85	1320.84	1331.02	0.9%

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, Northern WV (PA anthracite is included under low and medium sulfur bituminous).

Central Appalachia: Southern WV, VA, Eastern KY

Southern Appalachia: AL, TN, MS.

Eastern Interior: IL, IN, Western KY.

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

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

Dakota: ND, Eastern 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.

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

Source: Energy Information Administration, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 90. Coal Prices by Region and Type (1 of 2)
(1999 Dollars per Short Ton)

Supply Regions and Coal Types																					1999-		
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
Northern Appalachia	25.04	24.52	24.20	23.92	23.53	23.29	22.97	22.80	22.69	22.55	22.38	22.11	22.02	21.93	22.03	21.93	21.82	21.22	21.12	21.10	21.07	21.03	-0.8%
Medium Sulfur (Premium) 1/	38.41	38.36	38.35	38.10	37.72	37.34	36.97	36.97	36.78	36.60	36.23	36.41	36.05	35.87	36.05	36.01	35.65	35.46	35.27	35.09	34.91	34.74	-0.5%
Low Sulfur (Bituminous) 2/	38.30	39.03	39.09	37.15	38.29	38.86	38.51	38.13	38.10	37.94	37.60	37.80	37.47	37.21	36.92	36.60	36.36	36.87	36.52	36.24	36.13	35.84	-0.3%
Medium Sulfur (Bituminous) 2/	24.63	24.62	24.25	24.37	24.30	24.08	23.81	23.50	23.31	23.24	23.10	22.71	22.65	22.60	22.77	22.75	22.70	21.93	21.83	21.84	21.87	21.87	-0.6%
High Sulfur (Bituminous)	26.00	24.70	24.45	23.84	22.48	21.98	21.41	21.70	21.86	21.54	21.32	21.20	21.08	20.98	20.98	20.69	20.51	20.17	20.11	20.12	20.07	20.11	-1.2%
High Sulfur (Gob) 3/	11.27	12.00	12.54	12.90	12.90	12.78	12.65	12.52	12.46	12.40	12.28	12.34	12.34	12.28	12.34	12.34	12.40	12.47	12.47	12.53	12.59	12.66	0.6%
Central Appalachia	26.13	25.86	25.36	25.00	24.76	24.67	24.52	24.22	24.07	23.80	23.65	23.75	23.64	23.56	23.55	23.45	23.30	23.53	23.42	23.37	23.43	23.38	-0.5%
Medium Sulfur (Premium) 1/	27.03	27.43	27.43	26.74	26.48	26.21	25.95	25.69	25.57	25.44	25.44	25.31	25.31	25.18	25.31	25.31	24.91	24.88	24.84	24.83	24.82	24.81	-0.4%
Low Sulfur (Bituminous)	27.12	26.98	26.45	26.05	25.74	25.74	25.62	25.36	25.24	24.81	24.59	24.97	24.81	24.70	24.56	24.39	24.29	25.04	24.87	24.76	24.83	24.73	-0.4%
Medium Sulfur (Bituminous)	25.37	24.74	24.00	23.81	23.65	23.61	23.49	23.16	22.97	22.75	22.58	22.61	22.49	22.43	22.44	22.35	22.30	22.33	22.21	22.17	22.25	22.21	-0.6%
Southern Appalachia	33.61	32.45	31.56	30.45	29.72	29.50	29.44	29.20	29.02	28.79	28.51	28.38	28.01	28.01	27.66	27.41	26.97	26.99	26.81	26.64	26.46	26.31	-1.2%
Low Sulfur (Premium) 1/	40.66	41.26	41.26	40.64	40.64	40.24	40.23	40.23	40.03	39.83	39.62	39.01	38.34	38.33	37.71	37.27	36.38	36.19	35.98	35.80	35.61	35.42	-0.7%
Low Sulfur (Bituminous)	30.80	30.62	30.67	30.85	31.17	31.21	31.23	30.94	30.78	30.28	29.78	30.32	30.09	29.92	29.70	29.46	29.29	30.01	29.77	29.58	29.58	29.40	-0.2%
Medium Sulfur (Bituminous)	32.39	30.78	30.17	28.82	26.49	26.36	26.20	25.75	25.45	25.39	25.24	24.90	24.90	25.28	25.13	25.15	25.03	24.43	24.30	24.16	23.83	23.69	-1.5%
Medium Sulfur (Lignite)	13.70	13.99	14.97	16.09	16.09	15.61	15.46	15.30	15.23	15.30	15.30	15.38	15.38	15.30	15.38	15.38	15.30	15.38	15.38	15.46	15.38	15.46	0.6%
Eastern Interior	21.50	21.11	20.94	20.81	20.85	20.79	20.57	20.92	20.81	20.61	20.45	20.21	20.02	19.93	19.91	19.63	19.50	18.83	18.75	18.68	18.44	18.33	-0.8%
Medium Sulfur (Bituminous)	21.89	21.80	21.89	22.01	22.11	21.97	21.73	21.33	21.07	21.05	21.08	20.59	20.50	20.47	20.60	20.56	20.55	19.08	19.01	18.96	18.78	18.71	-0.7%
High Sulfur (Bituminous)	21.36	20.85	20.56	20.31	20.31	20.29	20.09	20.76	20.72	20.46	20.21	20.07	19.84	19.74	19.65	19.27	19.09	18.75	18.67	18.59	18.33	18.22	-0.8%
Western Interior High Sulfur (Bitumino)	24.76	24.63	24.39	24.02	24.02	24.02	24.26	24.26	24.38	24.02	24.02	24.14	23.90	24.02	23.90	23.66	23.54	23.66	23.90	24.02	24.14	24.26	-0.1%
Gulf	13.01	13.00	12.65	12.24	11.97	11.76	11.71	11.62	11.51	11.49	11.24	11.10	10.82	10.87	10.84	10.74	10.70	10.69	10.68	10.71	10.12	10.02	-1.2%
Medium Sulfur (Lignite)	14.60	14.67	14.09	13.61	13.33	12.81	12.81	12.55	12.03	11.99	11.72	11.63	11.34	11.39	11.35	11.22	11.18	11.25	11.22	11.24	10.65	10.55	-1.5%
High Sulfur (Lignite)	11.40	11.23	11.23	10.95	10.73	10.95	10.84	10.95	11.21	11.21	10.97	10.81	10.54	10.60	10.59	10.48	10.45	10.40	10.40	10.43	9.85	9.76	-0.7%
Dakota Medium Sulfur (Lignite)	7.94	7.82	7.66	7.47	7.40	7.33	7.26	7.22	7.19	7.15	7.12	7.01	7.01	6.98	6.95	6.95	6.91	7.48	7.48	7.45	7.39	6.89	-0.7%
Powder/Green River	5.71	5.61	5.44	5.34	5.19	5.05	4.98	4.91	4.90	4.83	4.73	4.65	4.65	4.67	4.67	4.67	4.70	4.75	4.80	4.82	4.86	4.89	-0.7%
Low Sulfur (Bituminous)	18.69	22.43	22.05	21.77	21.44	21.17	20.99	20.71	20.58	20.33	20.05	19.81	19.62	19.47	19.31	19.12	19.00	18.89	18.78	18.61	18.44	18.28	-0.1%
Low Sulfur (Sub-Bituminous)	5.48	5.35	5.24	5.12	4.97	4.82	4.73	4.59	4.57	4.50	4.41	4.35	4.35	4.37	4.40	4.40	4.42	4.49	4.55	4.57	4.60	4.64	-0.8%
Medium Sulfur (Sub-Bituminous)	7.42	7.51	7.33	7.36	7.29	7.22	7.29	7.37	7.40	7.29	7.22	7.12	7.12	7.15	7.12	7.12	7.16	7.12	7.12	7.16	7.27	7.23	-0.1%
Rocky Mountain	17.49	16.86	16.89	17.10	17.09	17.10	17.05	16.89	16.84	16.48	16.29	16.87	16.81	16.78	16.68	16.59	16.56	16.57	16.50	16.38	16.25	16.14	-0.4%
Low Sulfur (Bituminous)	17.38	16.57	16.82	17.17	17.25	17.31	17.27	17.11	17.06	16.68	16.49	17.07	17.00	16.97	16.87	16.78	16.74	16.67	16.55	16.41	16.30	16.30	-0.3%
Low Sulfur (Sub-Bituminous)	18.06	18.33	17.32	16.56	15.65	14.80	14.35	14.21	13.96	13.60	13.42	14.04	14.00	13.98	13.88	13.80	13.77	13.93	13.88	13.78	13.68	13.59	-1.3%
Arizona/New Mexico	21.24	20.58	20.47	20.27	20.17	20.17	20.27	20.47	20.37	20.26	20.17	19.97	19.87	19.78	19.68	19.68	19.69	19.69	19.70	19.78	19.68	19.69	-0.4%
Low Sulfur (Bituminous)	22.80	21.66	21.44	21.34	21.12	21.12	21.12	21.34	21.23	21.12	21.12	21.02	21.02	20.91	20.81	20.81	20.91	21.02	21.02	20.91	20.81	20.91	-0.4%
Medium Sulfur (Sub-Bituminous)	19.76	19.66	19.66	19.37	19.37	19.37	19.56	19.76	19.66	19.56	19.37	19.08	18.89	18.79	18.70	18.70	18.61	18.52	18.52	18.79	18.70	18.60	-0.3%

Table 90. Coal Prices by Region and Type (2 of 2)
(1999 Dollars per Short Ton)

Supply Regions and Coal Types	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Washington/Alaska																							
Medium Sulfur (Sub-Bituminous)	24.53	24.66	24.66	24.78	24.78	24.78	24.78	24.78	24.65	24.78	24.78	24.65	24.65	24.77	24.65	24.65	24.77	24.65	24.65	24.53	24.65	24.53	0.0%
Average by Type: All Regions																							
Premium Metallurgical 1/	29.29	29.64	29.63	29.01	28.74	28.45	28.19	27.97	27.82	27.67	27.61	27.42	27.29	27.16	27.19	27.12	26.66	26.54	26.45	26.35	26.26	26.19	-0.5%
Bituminous	24.24	23.69	23.23	22.94	22.69	22.55	22.34	22.23	22.06	21.81	21.65	21.57	21.45	21.35	21.32	21.18	21.10	20.92	20.83	20.78	20.73	20.65	-0.8%
Sub-Bituminous	6.84	6.69	6.48	6.28	6.09	5.93	5.85	5.78	5.72	5.63	5.50	5.41	5.39	5.40	5.39	5.38	5.39	5.41	5.45	5.48	5.50	5.50	-1.0%
Lignite	11.26	11.29	11.14	10.95	10.77	10.58	10.50	10.42	10.33	10.30	10.10	10.00	9.85	9.84	9.83	9.76	9.73	9.78	9.78	9.80	9.51	9.40	-0.9%
Low Sulfur	11.14	10.66	10.24	9.90	9.70	9.63	9.47	9.35	9.14	8.87	8.63	8.79	8.71	8.65	8.53	8.46	8.41	8.55	8.53	8.47	8.43	8.31	-1.4%
Medium Sulfur	21.92	21.50	21.14	20.88	20.76	20.62	20.36	19.95	19.67	19.55	19.51	19.36	19.29	19.23	19.36	19.31	19.21	18.68	18.62	18.61	18.54	18.56	-0.8%
High Sulfur	20.92	20.06	19.80	19.45	18.94	18.73	18.45	18.98	18.99	18.73	18.56	18.45	18.29	18.22	18.17	17.88	17.74	17.45	17.38	17.35	17.27	17.25	-0.9%
U.S. Average	16.98	16.33	15.80	15.37	15.11	14.94	14.68	14.63	14.35	14.12	13.93	13.83	13.70	13.62	13.57	13.47	13.38	13.09	12.98	12.94	12.85	12.70	-1.4%

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 in the forecast years.

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, MS.

Eastern Interior: IL, IN, W.KY.

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

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

Dakota: ND, 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.

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

Source: Energy Information Administration, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 91. World Steam Coal Flows By Importing Regions and Exporting Countries 1,2/ (1 of 2)
(Million Short Tons)

Import and Export Regions																					1999-			
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020	
Steam Coal Exports to Europe 3/																								
Australia	12.3	9.9	10.0	10.1	10.2	10.3	10.4	10.4	10.4	10.3	10.3	10.2	9.6	8.1	5.9	3.8	3.7	3.6	3.4	4.0	6.7	6.6	-1.5%	
United States	4.9	4.5	5.0	4.7	4.5	4.5	4.7	5.0	5.4	5.6	5.5	5.0	4.4	3.7	3.6	3.6	2.2	2.4	2.5	2.6	2.7	2.9	-3.5%	
South Africa	49.3	51.1	50.8	51.2	51.3	51.3	53.6	52.6	51.7	50.9	50.2	49.6	48.2	47.9	48.9	49.8	47.9	47.6	47.3	46.9	46.7	46.7	0.1%	
Former U.S.S.R.	12.1	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	0.9%	
Poland	14.0	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	0.1	5.3	5.5	5.8	6.0	6.3	4.7	4.8	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	-0.5%	
China	3.4	0.0	0.0	0.3	0.7	1.1	1.5	1.4	1.4	1.3	1.3	1.2	1.6	1.9	2.2	2.5	2.8	2.9	3.0	3.1	3.3	3.4	N/A	
South America	25.8	29.4	30.4	31.4	32.4	33.2	33.5	34.0	34.5	34.9	35.5	36.5	38.1	39.6	41.2	42.8	43.7	43.5	43.2	42.2	39.1	38.8	1.3%	
Indonesia 4/	10.7	11.2	10.8	10.5	10.1	9.7	9.4	9.3	9.2	9.1	9.1	9.0	8.9	8.7	7.4	6.0	7.4	7.4	7.3	7.3	7.1	6.8	-3.4%	
Total	132.6	135.6	136.6	137.5	138.5	139.5	140.6	139.8	139.2	138.4	137.5	136.7	135.7	134.7	133.6	132.6	131.7	130.9	130.1	129.4	128.6	127.8	-0.2%	
Steam Coal Exports to Asia																								
Australia	76.2	92.1	95.4	98.2	100.6	103.0	108.2	110.7	113.3	115.9	118.7	121.5	120.0	119.6	119.3	118.8	121.2	122.8	124.4	126.1	127.7	129.3	2.4%	
United States	4.5	4.7	5.1	5.7	6.4	7.2	7.3	7.4	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.4	8.5	8.6	3.1%	
South Africa	19.0	18.4	18.6	19.4	20.6	21.7	20.6	22.4	24.2	25.8	27.4	28.9	31.4	32.9	33.1	33.3	36.4	36.8	37.2	37.7	37.9	38.1	3.1%	
Former U.S.S.R.	4.9	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	1.9%	
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	4.5	1.9	1.9	2.0	2.1	2.2	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	1.6	1.6	1.6	1.6	1.6	1.6	0.2%	
China	31.5	45.6	48.2	50.5	52.7	55.0	57.2	58.8	60.3	61.9	63.5	65.1	65.7	66.3	66.8	67.4	68.0	68.5	69.1	69.6	70.2	70.7	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/	40.3	42.6	45.5	48.3	51.2	54.0	56.8	58.4	59.9	61.5	63.0	64.5	65.9	67.3	69.9	72.5	72.3	73.2	74.0	74.9	75.9	77.0	3.8%	
Total	180.9	208.0	217.4	226.9	236.4	245.8	255.2	262.9	270.7	278.4	286.1	293.8	297.2	300.6	304.1	307.5	310.9	314.6	318.2	321.8	325.5	329.1	2.9%	
Steam Coal Export to America																								
Australia	1.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	6.0%	
United States	17.1	16.5	15.5	15.2	14.9	14.5	13.7	12.8	11.6	10.7	10.0	9.7	9.4	9.1	9.2	9.4	9.5	9.7	9.8	9.9	10.1	10.2	-2.0%	
South Africa	1.7	3.1	3.3	3.4	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.5	4.5	4.5	4.4	4.4	4.4	4.3	4.3	4.3	4.2	1.5%	
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	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.4	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	9.3	18.5	20.5	22.5	24.5	26.7	29.5	30.6	31.8	33.0	34.1	34.7	35.0	35.2	35.4	35.7	35.9	36.1	36.3	36.5	36.7	36.9	4.4%	
Indonesia 4/	3.2	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	33.6	38.8	39.9	41.8	43.6	45.6	47.7	48.1	48.2	48.7	49.2	49.7	49.6	49.6	49.9	50.3	50.6	50.9	51.2	51.6	51.9	52.2	2.1%	

**Table 91. World Steam Coal Flows By Importing Regions and Exporting Countries 1,2/ (2 of 2)
(Million Short Tons)**

Import and Export Regions	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Total Steam Coal Exports 5/																							
Australia	87.4	102.7	106.1	108.9	111.5	114.0	119.3	121.8	124.4	127.0	129.7	132.4	130.4	128.5	126.0	123.5	125.7	127.2	128.7	130.9	135.3	136.8	2.2%
United States	26.5	25.7	25.5	25.5	25.8	26.2	25.6	25.1	24.5	23.8	23.1	22.4	21.6	20.8	20.9	21.0	19.9	20.3	20.6	21.0	21.3	21.7	-0.9%
South Africa	70.2	72.6	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	1.2%
Former U.S.S.R.	17.0	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	1.2%
Poland	14.0	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	5.4	7.2	7.5	7.8	8.2	8.5	7.1	7.3	7.6	7.8	8.1	8.4	8.6	8.7	8.9	9.1	6.6	6.6	6.6	6.6	6.6	6.6	-0.3%
China	33.7	45.6	48.2	50.8	53.4	56.0	58.6	60.2	61.7	63.3	64.8	66.4	67.2	68.1	69.0	69.9	70.8	71.4	72.1	72.8	73.4	74.1	2.9%
South America	38.7	47.8	50.9	53.9	56.9	59.9	62.9	64.6	66.3	67.9	69.6	71.2	73.0	74.8	76.6	78.4	79.6	79.6	79.5	78.7	75.8	75.7	2.6%
Indonesia 4/	57.2	53.8	56.3	58.8	61.3	63.7	66.2	67.7	69.1	70.6	72.1	73.5	74.8	76.0	77.2	78.5	79.7	80.5	81.4	82.2	83.0	83.8	2.5%
Total	350.1	382.4	393.9	406.2	418.5	430.9	443.5	450.8	458.1	465.5	472.8	480.2	482.5	484.9	487.6	490.4	493.3	496.4	499.6	502.8	506.0	509.1	1.8%

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 1999, steam coal exports from Indonesia include an additional 7.2 million short tons of exports from other countries not included in the forecast period.

5/ In 1999, total world coal flows include a balancing item term used by the International Energy Agency to reconcile discrepancies between reported exports and imports. For 1999, the balancing item for steam coal amounted to 3.0 million short tons.

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

Sources: 1999 data: International Energy Agency, Coal Information 2000 (Paris, France, August 2000); and Energy Information Administration, Quarterly Coal Report, DOE/EIA-0121(99/4Q) (Washington, DC, April 2000).

Projections: AEO2001 National Energy Modeling System run AEO2001.D101600A.

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

Import and Export Regions	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Metallurgical Coal Exports to Europe 3/																								
Australia	23.3	22.4	20.7	24.5	29.6	31.3	31.8	31.7	31.6	31.5	31.8	32.2	32.3	32.6	33.4	35.9	36.1	36.0	35.9	35.9	35.8	35.8	2.9%	
United States	19.4	17.9	20.1	19.7	19.3	18.9	18.9	19.0	19.0	19.0	19.0	18.9	18.6	18.5	18.2	18.0	15.8	15.5	15.3	15.3	15.3	15.2	-0.7%	
South Africa	0.9	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.0	0.9	0.8	0.6	0.0	0.0	0.0	0.2	0.0	0.0	0.0	N/A	
Former U.S.S.R.	2.6	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	-0.7%	
Poland	3.3	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	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4	-2.3%	
Canada	6.9	11.9	11.7	9.4	5.3	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	-5.0%
China	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	
South America	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	
Indonesia 4/	1.3	1.4	1.4	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	-3.0%	
Total	58.5	61.9	61.7	62.0	62.3	62.6	62.9	62.7	62.6	62.5	62.4	62.3	62.2	62.0	61.9	61.7	61.9	61.8	61.6	61.4	61.2	61.0	0.1%	
Metallurgical Coal Exports to Asia 5/																								
Australia	69.7	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	0.5%	
United States	4.1	1.1	1.1	1.1	1.1	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	1.6%	
South Africa	0.8	6.1	6.1	6.1	6.0	6.0	6.0	6.0	6.0	5.9	5.9	6.1	6.1	6.2	6.3	6.9	6.8	6.8	6.6	6.7	6.7	6.6	0.5%	
Former U.S.S.R.	2.9	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	
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	20.1	20.5	20.5	20.0	20.0	20.1	20.1	20.1	20.2	20.2	20.2	20.1	20.1	20.0	20.0	19.4	19.5	19.6	19.9	19.8	19.9	19.9	19.9	0.2%
China	6.9	7.6	7.7	7.7	7.8	7.9	7.9	8.0	8.1	8.1	8.2	8.3	8.3	8.4	8.4	8.4	8.5	8.6	8.6	8.7	8.8	8.8	8.8	1.1%
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/	8.6	3.5	3.5	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	1.0%	
Total	113.0	116.3	116.8	117.4	117.9	118.5	119.0	119.6	120.1	120.7	121.2	121.7	122.4	123.0	123.6	124.2	124.8	125.3	125.8	126.3	126.8	127.3	0.4%	
Metallurgical Coal Exports to America																								
Australia	6.7	6.6	6.7	6.8	7.0	7.1	7.2	7.3	7.5	7.7	7.8	8.0	8.2	8.5	8.7	9.0	11.2	11.4	11.6	11.8	12.0	12.2	2.8%	
United States	8.7	13.3	13.2	13.4	13.6	13.7	13.9	14.1	14.4	14.6	14.8	15.0	15.3	15.7	16.0	16.3	16.6	16.8	17.1	17.3	17.5	17.7	1.3%	
South Africa	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	
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	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	2.8	1.3	1.5	1.7	1.9	2.1	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.2	3.3	1.5	1.5	1.5	1.5	1.5	1.5	1.7%	
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	1.4	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	
Indonesia 4/	0.4	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	
Total	21.5	21.1	21.4	21.9	22.4	22.9	23.4	23.9	24.3	24.8	25.3	25.8	26.5	27.2	27.9	28.6	29.3	29.7	30.1	30.6	31.0	31.5	1.8%	

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

Import and Export Regions																					1999-			
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020	
Total Metallurgical Coal Exports 6/																								
Australia	102.0	106.5	105.3	109.7	115.4	117.7	118.7	119.2	119.8	120.3	120.8	121.7	122.9	123.7	124.8	126.3	131.5	132.3	132.8	133.3	133.8	134.3	134.3	1.2%
United States	32.2	32.2	34.4	34.2	34.0	33.8	34.1	34.3	34.6	34.9	35.1	35.2	35.2	35.5	35.6	35.7	33.9	33.8	33.8	34.0	34.2	34.4	34.4	0.3%
South Africa	2.9	7.5	7.5	7.4	7.4	7.3	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.	5.5	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	1.5	-5.1%
Poland	3.9	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	-2.3%
Canada	31.9	33.7	33.7	31.1	27.2	26.7	26.9	27.0	27.2	27.3	27.4	27.4	27.4	27.5	27.5	27.1	25.2	25.3	25.6	25.6	25.6	25.6	25.7	-1.1%
China	7.2	7.6	7.7	7.7	7.8	7.9	7.9	8.0	8.1	8.1	8.2	8.3	8.3	8.4	8.4	8.4	8.5	8.6	8.6	8.7	8.8	8.8	8.8	1.1%
South America	1.8	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	0.0	N/A
Indonesia 4/	11.1	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	5.0	N/A
Total	198.3	199.3	200.0	201.3	202.6	204.0	205.3	206.2	207.1	208.0	208.9	209.8	211.0	212.2	213.3	214.5	216.0	216.8	217.6	218.3	219.1	219.8	219.8	0.5%

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 1999, metallurgical coal exports from Indonesia include an additional 1.4 million short tons of exports from other countries not included in for the forecast period.

5/ For 1999, includes 9.7 million short tons of coal for pulverized coal injection at blast furnaces shipped to Japanese steelmakers.

6/ In 1999, total world coal flows include a balancing item term used by the International Energy Agency to reconcile discrepancies between reported exports and imports. For 1999, the balancing item for metallurgical coal amounted to 5.4 million short tons.

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

Sources: 1999 data: International Energy Agency, Coal Information 2000 (Paris, France, August 2000); and Energy Information Administration, Quarterly Coal Report, DOE/EIA-0121(99/4Q) (Washington, DC, April 2000).

Projections: AEO2001 National Energy Modeling System run AEO2001.D101600A.

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

Import and Export Regions	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Total Coal Exports to Europe 3/																							
Australia	35.6	32.3	30.7	34.6	39.8	41.6	42.2	42.1	42.0	41.9	41.7	42.0	41.8	40.4	38.5	37.2	39.6	39.6	39.4	40.0	42.6	42.4	1.9%
United States	24.3	22.3	25.0	24.3	23.8	23.4	23.6	23.9	24.4	24.6	24.5	23.8	22.9	22.2	21.9	21.6	18.1	17.9	17.7	17.9	18.0	18.1	-1.3%
South Africa	50.2	52.5	52.2	52.6	52.6	52.6	54.9	53.9	52.9	52.1	51.4	50.5	49.1	48.7	49.5	49.8	47.9	47.6	47.4	47.0	46.7	46.7	-0.1%
Former U.S.S.R.	14.7	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	0.7%
Poland	17.3	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	-3.6%
Canada	7.1	17.3	17.2	15.2	11.3	10.8	9.3	9.3	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	-3.1%
China	3.6	0.0	0.0	0.3	0.7	1.1	1.5	1.4	1.4	1.3	1.3	1.2	1.6	1.9	2.2	2.5	2.8	2.9	3.0	3.1	3.3	3.4	N/A
South America	26.3	29.4	30.4	31.4	32.4	33.2	33.5	34.0	34.5	34.9	35.5	36.5	38.1	39.6	41.2	42.8	43.7	43.5	43.2	42.2	39.1	38.8	1.3%
Indonesia 4/	12.0	12.6	12.3	11.4	11.0	10.6	10.3	10.2	10.1	10.0	10.0	9.9	9.8	9.6	8.3	6.9	8.3	8.2	8.2	8.2	8.0	7.7	-3.4%
Total	191.1	197.5	198.3	199.6	200.9	202.1	203.5	202.5	201.8	200.8	199.9	198.9	197.8	196.7	195.5	194.3	193.6	192.7	191.7	190.8	189.8	188.9	-0.1%
Total Coal Exports to Asia																							
Australia	145.8	169.6	173.4	176.6	179.5	182.3	188.0	190.9	193.9	197.0	200.2	203.4	202.5	202.6	202.8	202.9	205.7	207.7	209.7	211.7	213.6	215.6	1.6%
United States	8.6	5.8	6.2	6.8	7.5	8.3	8.4	8.6	8.7	8.8	8.9	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	2.8%
South Africa	19.7	24.5	24.7	25.5	26.6	27.7	26.6	28.4	30.2	31.8	33.3	35.0	37.5	39.1	39.4	40.2	43.2	43.6	43.8	44.3	44.6	44.7	2.6%
Former U.S.S.R.	7.7	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	-1.6%
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	24.6	22.4	22.5	22.1	22.2	22.3	22.4	22.7	22.9	23.1	23.3	23.4	23.5	23.7	23.9	23.5	21.1	21.2	21.4	21.4	21.4	21.5	0.2%
China	38.4	53.2	55.9	58.3	60.6	62.8	65.1	66.8	68.4	70.1	71.7	73.4	74.0	74.6	75.2	75.8	76.5	77.1	77.7	78.3	78.9	79.5	2.5%
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/	48.9	46.2	49.0	52.4	55.2	58.1	60.9	62.4	64.0	65.5	67.0	68.6	69.9	71.3	73.9	76.6	76.4	77.3	78.1	79.0	80.0	81.1	3.6%
Total	293.8	324.3	334.3	344.3	354.3	364.3	374.2	382.5	390.8	399.0	407.3	415.5	419.6	423.6	427.7	431.7	435.8	439.9	444.0	448.2	452.3	456.4	2.0%
Total Coal Exports to America																							
Australia	8.0	7.3	7.4	7.5	7.6	7.8	7.9	8.1	8.2	8.4	8.6	8.8	9.0	9.3	9.5	9.8	12.0	12.2	12.4	12.6	12.9	13.1	2.9%
United States	25.8	29.8	28.7	28.6	28.4	28.2	27.6	26.9	26.0	25.3	24.8	24.7	24.7	24.8	25.2	25.7	26.1	26.5	26.9	27.2	27.6	28.0	-0.2%
South Africa	2.4	3.1	3.3	3.4	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.5	4.5	4.5	4.4	4.4	4.4	4.3	4.3	4.3	4.2	1.5%
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	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	3.4	1.3	1.5	1.7	1.9	2.1	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.2	3.3	1.5	1.5	1.5	1.5	1.5	1.5	1.7%
China	0.4	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	10.7	18.5	20.5	22.5	24.5	26.7	29.5	30.6	31.8	33.0	34.1	34.7	35.0	35.2	35.4	35.7	35.9	36.1	36.3	36.5	36.7	36.9	4.4%
Indonesia 4/	3.6	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
Total	55.1	59.9	61.3	63.6	66.0	68.4	71.0	71.9	72.6	73.5	74.5	75.5	76.1	76.7	77.8	78.8	79.9	80.6	81.4	82.1	82.9	83.7	2.0%

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

Import and Export Regions																					1999-			
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020	
Total Coal Exports 5/																								
Australia	189.4	209.2	211.4	218.7	226.9	231.7	238.1	241.1	244.2	247.3	250.5	254.2	253.3	252.2	250.8	249.8	257.2	259.5	261.5	264.3	269.1	271.1	1.7%	
United States	58.6	57.9	59.9	59.7	59.8	60.0	59.7	59.4	59.1	58.7	58.2	57.6	56.9	56.3	56.5	56.8	53.8	54.0	54.4	55.0	55.6	56.1	-0.2%	
South Africa	73.1	80.1	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	1.1%	
Former U.S.S.R.	22.5	15.5	15.6	15.7	15.8	15.9	16.0	16.1	16.2	16.2	16.3	16.4	16.5	16.6	16.8	16.9	17.0	17.1	17.2	17.3	17.4	17.5	0.1%	
Poland	18.0	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	-3.6%	
Canada	37.3	40.9	41.2	38.9	35.3	35.2	34.0	34.4	34.7	35.1	35.5	35.7	36.0	36.2	36.5	36.2	31.9	32.0	32.2	32.2	32.2	32.3	-0.9%	
China	40.9	53.2	55.9	58.6	61.2	63.9	66.6	68.2	69.8	71.4	73.0	74.6	75.6	76.5	77.4	78.3	79.3	80.0	80.7	81.4	82.2	82.9	2.7%	
South America	40.5	47.8	50.9	53.9	56.9	59.9	62.9	64.6	66.3	67.9	69.6	71.2	73.0	74.8	76.6	78.4	79.6	79.6	79.5	78.7	75.8	75.7	2.6%	
Indonesia 4/	68.3	58.8	61.3	63.7	66.2	68.7	71.2	72.6	74.1	75.5	77.0	78.5	79.7	81.0	82.2	83.4	84.7	85.5	86.3	87.1	88.0	88.8	2.3%	
Total	548.4	581.7	593.9	607.5	621.2	634.9	648.7	656.9	665.2	673.4	681.7	690.0	693.5	697.0	701.0	704.9	709.3	713.2	717.2	721.1	725.0	729.0	1.4%	

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 1999, exports from Indonesia include an additional 8.6 million short tons of exports from other countries not included in the forecast period.

5/ In 1999, total world coal flows include a balancing item term used by the International Energy Agency to reconcile discrepancies between reported exports and imports. For 1999, the balancing item amounted to 8.4 million short tons.

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

Sources: 1999 data: International Energy Agency, Coal Information 2000 (Paris, France, August 2000); and Energy Information Administration, Quarterly Coal Report, DOE/EIA-0121(99/4Q) (Washington, DC, April 2000).

Projections: AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 94. Indicators of Macroeconomic Activity (1 of 1)

Indicator	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Real Output, National (billion 1992 dollars)																							
Total Industrial	4721.8	4842.8	4908.4	5083.7	5216.5	5315.7	5469.3	5641.6	5798.0	5950.9	6092.1	6251.2	6394.5	6539.9	6708.4	6890.9	7093.0	7280.3	7471.1	7663.7	7875.6	8096.3	2.6%
Total Manufacturing	3749.5	3849.6	3908.0	4060.1	4177.4	4262.3	4399.1	4550.6	4686.9	4822.1	4947.6	5088.8	5215.7	5346.1	5496.4	5654.3	5828.2	5989.9	6159.8	6332.9	6525.7	6726.1	2.8%
Coal Mining	30.4	30.3	30.9	32.0	32.5	32.8	33.2	33.5	34.1	34.3	34.3	34.4	34.5	34.6	34.7	34.8	34.8	34.8	35.0	35.0	35.2	35.4	0.7%
Oil and Gas Extraction	104.0	104.4	105.5	109.0	111.0	110.9	110.7	110.6	110.8	112.1	113.6	116.0	117.1	119.3	121.8	124.0	127.0	129.7	132.1	134.4	135.5	137.1	1.3%
Refining	154.8	155.7	158.0	159.8	161.7	163.4	165.3	166.3	167.8	170.4	172.1	173.7	174.7	175.8	177.2	178.3	179.7	180.7	181.9	182.6	184.1	185.2	0.9%
Paper	150.5	154.1	157.8	161.6	164.8	167.5	170.6	173.9	177.2	180.3	183.1	186.1	188.4	191.0	194.1	196.5	199.3	201.8	204.1	206.1	208.1	210.3	1.6%
Chemicals	347.1	358.0	367.4	378.4	389.0	397.0	406.0	415.5	425.6	434.9	444.2	454.4	462.9	472.9	483.9	495.4	507.7	520.4	534.0	547.6	562.3	577.9	2.5%
Stone, Clay, and Glass	77.1	78.2	78.3	79.2	80.2	80.9	81.9	83.2	84.4	85.5	86.1	86.9	87.5	88.2	89.0	90.2	91.3	92.3	93.4	94.2	95.0	96.1	1.1%
Primary Metals	163.9	166.8	169.3	173.1	175.4	176.9	179.5	181.8	184.3	185.9	187.4	189.8	191.0	193.5	195.3	197.5	198.9	200.0	201.5	202.6	204.1	205.6	1.1%
Basic Steel	67.8	69.9	71.4	73.5	74.6	75.4	76.9	77.7	79.0	79.6	80.1	81.4	81.8	83.3	83.9	84.9	85.1	85.7	86.4	86.7	87.4	88.3	1.3%
Primary Aluminum	36.0	36.1	36.3	36.7	37.0	37.3	37.4	37.7	37.9	38.1	38.3	38.4	38.7	38.9	39.1	39.4	39.6	39.7	39.8	39.9	39.9	40.1	0.5%
Fabricated Metals	211.5	217.9	220.2	227.7	234.6	237.1	242.6	248.7	254.2	258.2	261.7	265.6	268.8	271.8	276.3	282.0	288.3	293.5	298.3	303.0	308.9	315.1	1.9%
Industrial Machinery	389.0	411.3	422.1	450.0	466.6	482.9	509.7	541.6	566.9	594.8	618.3	646.7	675.1	702.4	731.0	761.8	796.0	829.8	860.3	893.4	927.6	963.2	4.4%
Electrical Machinery	421.6	436.7	456.3	499.0	530.2	559.5	597.6	644.3	684.3	727.1	769.4	813.1	851.3	895.5	937.6	979.4	1030.0	1077.5	1138.2	1203.5	1279.3	1349.7	5.7%
Transportation Equipment	457.8	469.7	460.4	479.3	497.0	499.4	520.1	538.4	556.7	572.8	587.7	605.4	621.3	635.3	659.3	683.1	706.4	724.0	742.0	759.7	780.2	806.2	2.7%
Real Disposable Income by Census Division (billion 1996 dollars)																							
New England	380	390	407	418	428	438	449	461	471	482	494	506	517	530	543	557	571	585	598	610	622	634	2.5%
Middle Atlantic	1023	1046	1091	1118	1141	1164	1193	1221	1247	1274	1303	1332	1360	1390	1423	1457	1491	1525	1557	1588	1618	1648	2.3%
East North Central	1034	1058	1103	1132	1157	1184	1216	1248	1278	1309	1340	1372	1402	1434	1469	1506	1544	1581	1616	1649	1681	1714	2.4%
West North Central	409	419	439	452	463	476	490	504	518	533	548	563	578	594	610	628	645	663	679	695	710	726	2.8%
South Atlantic	1126	1163	1224	1267	1306	1347	1396	1445	1494	1545	1598	1653	1707	1765	1828	1894	1962	2031	2099	2166	2232	2301	3.5%
East South Central	320	329	345	355	364	373	384	396	407	418	430	442	454	467	480	495	510	525	540	554	569	583	2.9%
West South Central	642	664	699	723	745	768	794	822	848	876	905	934	964	995	1028	1063	1099	1136	1172	1207	1242	1277	3.3%
Mountain	358	381	403	423	439	456	474	492	509	527	545	563	580	600	622	647	673	700	727	757	787	819	4.0%
Pacific	1072	1100	1155	1189	1222	1262	1307	1355	1403	1454	1507	1561	1615	1673	1736	1800	1864	1925	1984	2038	2090	2141	3.3%
United States	6363	6551	6865	7078	7265	7469	7702	7944	8175	8419	8671	8928	9176	9447	9739	10048	10361	10671	10973	11263	11550	11842	3.0%
Non-Agricultural Employment by Census Division (millions)																							
New England	6.8	6.9	6.9	7.0	7.1	7.2	7.3	7.3	7.4	7.5	7.6	7.6	7.7	7.7	7.7	7.8	7.8	7.9	7.9	7.9	7.9	7.9	0.7%
Middle Atlantic	17.8	17.9	18.0	18.2	18.4	18.5	18.6	18.8	19.0	19.2	19.3	19.4	19.5	19.5	19.6	19.7	19.8	19.9	20.0	20.0	20.0	20.0	0.6%
East North Central	21.8	22.0	22.1	22.4	22.6	22.8	23.1	23.4	23.6	23.9	24.1	24.3	24.4	24.5	24.6	24.7	24.9	25.1	25.2	25.3	25.4	25.5	0.7%
West North Central	9.7	9.8	9.9	10.0	10.1	10.2	10.4	10.5	10.7	10.8	10.9	11.0	11.2	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	11.9	1.0%
South Atlantic	23.9	24.3	24.6	25.1	25.6	26.0	26.4	27.0	27.5	28.0	28.5	29.0	29.5	29.8	30.2	30.7	31.3	31.8	32.3	32.7	33.1	33.5	1.6%
East South Central	7.5	7.6	7.7	7.8	7.9	7.9	8.0	8.1	8.3	8.4	8.5	8.5	8.6	8.7	8.7	8.8	8.9	9.0	9.1	9.1	9.2	9.3	1.0%
West South Central	13.8	14.0	14.2	14.5	14.8	15.0	15.2	15.5	15.8	16.1	16.3	16.6	16.8	17.0	17.2	17.4	17.7	18.0	18.2	18.4	18.6	18.8	1.5%
Mountain	8.2	8.8	8.9	9.2	9.5	9.6	9.8	10.0	10.1	10.3	10.4	10.5	10.5	10.5	10.6	10.8	11.0	11.2	11.5	11.8	12.1	12.5	2.0%
Pacific	19.0	19.3	19.5	19.9	20.3	20.6	20.9	21.3	21.7	22.1	22.4	22.7	23.1	23.3	23.6	23.9	24.3	24.6	24.9	25.2	25.4	25.7	1.4%
United States	128.5	130.4	131.9	134.0	136.1	137.8	139.7	142.0	144.1	146.1	147.9	149.7	151.1	152.3	153.6	155.3	157.3	159.1	160.8	162.2	163.6	165.1	1.2%

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

Source: 1999: Standard & Poor's DRI, Simulation T250200. Projections: Energy Information Administration, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 95. Imported Petroleum by Source (1 of 2)
(Million Barrels per Day)

Sources	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Crude Oil																							
Canada	1.18	1.22	1.24	1.25	1.26	1.28	1.31	1.33	1.34	1.34	1.35	1.36	1.38	1.37	1.39	1.40	1.40	1.41	1.42	1.43	1.45	1.46	1.0%
Mexico	1.25	1.32	1.38	1.39	1.41	1.42	1.42	1.44	1.45	1.46	1.51	1.52	1.53	1.52	1.51	1.50	1.48	1.46	1.44	1.43	1.43	1.43	0.6%
North Sea	0.55	0.47	0.47	0.47	0.51	0.55	0.58	0.61	0.62	0.63	0.65	0.67	0.67	0.66	0.65	0.65	0.63	0.61	0.60	0.58	0.56	0.54	-0.1%
OPEC	4.23	4.47	4.73	4.73	5.07	5.35	5.58	5.73	5.86	5.93	6.01	6.11	6.22	6.29	6.38	6.47	6.53	6.54	6.58	6.63	6.73	6.82	2.2%
Latin America	1.15	1.41	1.57	1.55	1.57	1.59	1.61	1.64	1.67	1.69	1.72	1.76	1.82	1.86	1.91	1.96	2.00	2.01	2.03	2.05	2.08	2.11	2.8%
North Africa	0.03	0.03	0.03	0.03	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.13	0.13	0.14	0.14	0.13	0.13	0.13	0.13	0.13	6.9%
West Africa	0.62	0.67	0.72	0.73	0.75	0.78	0.81	0.83	0.85	0.87	0.89	0.91	0.92	0.93	0.94	0.95	0.95	0.94	0.93	0.92	0.92	0.91	1.8%
Indonesia	0.07	0.08	0.08	0.08	0.09	0.10	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.07	0.06	0.06	0.06	0.06	0.06	0.06	-0.7%
Persian Gulf	2.36	2.28	2.33	2.34	2.61	2.82	2.98	3.08	3.15	3.17	3.19	3.22	3.25	3.28	3.31	3.35	3.38	3.40	3.43	3.47	3.54	3.61	2.0%
Other Middle East	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.0%
Other Latin America	0.74	0.62	0.64	0.61	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	-1.3%
Other Africa	0.60	0.72	0.77	0.76	0.80	0.84	0.86	0.89	0.91	0.93	0.95	0.97	0.97	0.96	0.95	0.95	0.94	0.92	0.91	0.91	0.90	0.90	1.9%
Other Asia	0.17	0.18	0.19	0.18	0.19	0.20	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.30	0.32	0.34	0.36	0.38	0.41	0.44	0.46	4.6%
Light Refined Products 1/																							
Canada	0.30	0.28	0.30	0.32	0.28	0.29	0.29	0.31	0.34	0.36	0.38	0.39	0.40	0.41	0.41	0.42	0.43	0.45	0.47	0.49	0.50	0.52	2.5%
Northern Europe	0.17	0.16	0.16	0.16	0.14	0.15	0.16	0.17	0.19	0.19	0.18	0.18	0.17	0.17	0.16	0.16	0.16	0.17	0.18	0.18	0.18	0.18	0.3%
Southern Europe	0.05	0.05	0.06	0.06	0.05	0.06	0.06	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.06	0.05	0.05	0.06	0.06	0.06	0.06	0.07	1.5%
OPEC	0.41	0.43	0.46	0.51	0.41	0.43	0.48	0.56	0.64	0.71	0.76	0.83	0.92	1.01	1.05	1.16	1.25	1.35	1.44	1.54	1.63	1.74	6.8%
Latin America	0.24	0.25	0.27	0.29	0.24	0.25	0.27	0.31	0.35	0.38	0.39	0.41	0.45	0.49	0.52	0.59	0.65	0.69	0.73	0.78	0.82	0.87	6.0%
North Africa	0.06	0.06	0.06	0.06	0.05	0.05	0.06	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.0%
West Africa	0.03	0.03	0.03	0.03	0.02	0.02	0.03	0.03	0.03	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	-1.8%
Indonesia	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%
Persian Gulf	0.07	0.08	0.09	0.12	0.09	0.10	0.11	0.14	0.17	0.21	0.26	0.31	0.36	0.41	0.43	0.47	0.51	0.57	0.62	0.67	0.72	0.78	11.6%
Caribbean Basin	0.29	0.32	0.33	0.36	0.32	0.33	0.34	0.36	0.40	0.45	0.52	0.57	0.62	0.69	0.73	0.78	0.85	0.92	0.99	1.04	1.09	1.16	6.5%
Asian Exporters	0.14	0.11	0.11	0.12	0.12	0.12	0.12	0.14	0.14	0.15	0.16	0.16	0.17	0.17	0.17	0.17	0.18	0.19	0.19	0.19	0.20	0.20	1.6%
Other	0.12	0.10	0.10	0.11	0.11	0.11	0.11	0.13	0.13	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.17	0.18	0.18	0.18	0.19	2.1%

Table 95. Imported Petroleum by Source (2 of 2)
(Million Barrels per Day)

Sources	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Heavy Refined Products 2/																							
Canada	0.06	0.06	0.07	0.08	0.08	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.11	0.10	0.10	0.10	0.09	0.09	0.08	0.08	1.3%
Northern Europe	0.04	0.05	0.06	0.08	0.09	0.08	0.09	0.08	0.07	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	1.0%
Southern Europe	0.01	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	0.01	0.0%
OPEC	0.33	0.32	0.40	0.38	0.41	0.41	0.41	0.42	0.43	0.44	0.45	0.46	0.46	0.45	0.53	0.57	0.58	0.59	0.62	0.62	0.65	0.67	3.3%
Latin America	0.10	0.12	0.14	0.15	0.16	0.16	0.16	0.16	0.16	0.17	0.18	0.18	0.18	0.18	0.21	0.23	0.23	0.23	0.25	0.25	0.26	0.26	4.4%
North Africa	0.17	0.11	0.13	0.10	0.10	0.10	0.10	0.10	0.09	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	-5.4%
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	0.01	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	-3.1%
Persian Gulf	0.03	0.06	0.09	0.10	0.12	0.13	0.13	0.14	0.16	0.17	0.18	0.19	0.19	0.19	0.24	0.26	0.27	0.28	0.29	0.30	0.32	0.34	11.7%
Caribbean Basin	0.09	0.11	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.15	0.15	0.16	0.17	0.19	0.23	0.25	0.27	0.27	0.28	0.30	0.32	0.32	5.9%
Asian Exporters	0.06	0.05	0.06	0.06	0.05	0.04	0.03	0.03	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	-3.1%
Other	0.05	0.05	0.05	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%

1/ Includes gasoline, distillate, jet fuel, and liquefied 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, Colombia, Ecuador, Guatemala, Jamaica, Mexico, Netherlands Antilles, Panama, Puerto Rico, Trinidad and Tobago, and the Virgin Islands.

N/A = Not applicable.

Source: Energy Information Administration, AEO2001 National Energy Modeling System run AEO2001.D101600A.