

Table 1. Total Energy Supply and Disposition Summary (Quadrillion Btu per Year, Unless Otherwise Noted)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Production											
Crude Oil & Lease Condensate	12.16	11.91	12.04	12.27	12.41	12.57	12.90	12.95	12.83	12.60	12.36
Natural Gas Plant Liquids	2.55	2.56	2.35	2.70	3.01	3.04	3.09	3.11	3.12	3.20	3.22
Dry Natural Gas	20.23	19.56	20.10	20.20	20.31	20.51	20.83	21.05	21.22	21.87	22.10
Coal	23.97	22.70	22.67	23.18	23.64	24.20	24.72	24.96	25.33	25.52	25.73
Nuclear Power	8.03	8.15	7.96	8.13	8.26	8.29	8.30	8.32	8.25	8.29	8.35
Renewable Energy 1/	5.25	5.84	5.98	6.44	6.59	6.74	6.92	7.05	7.22	7.39	7.56
Other 2/	0.53	1.13	0.94	0.98	0.78	0.84	0.89	0.94	0.97	0.91	0.83
Total	72.72	71.85	72.04	73.91	75.01	76.18	77.64	78.38	78.95	79.79	80.14
Imports											
Crude Oil 3/	20.26	19.84	20.68	21.15	21.59	22.42	22.93	23.67	24.39	25.38	26.44
Petroleum Products 4/	5.04	4.75	4.87	5.26	5.69	5.73	5.80	5.98	6.22	6.39	6.64
Natural Gas	4.06	4.10	4.29	4.55	4.89	5.37	5.62	6.18	6.55	6.79	7.19
Other Imports 5/	0.59	0.52	0.69	0.72	0.78	0.81	0.86	0.90	0.94	0.97	0.99
Total	29.95	29.21	30.53	31.68	32.95	34.33	35.21	36.73	38.10	39.53	41.27
Exports											
Petroleum 6/	2.01	2.03	2.03	2.08	2.08	2.08	2.09	2.12	2.15	2.15	2.13
Natural Gas	0.38	0.52	0.70	0.81	0.81	0.83	0.85	0.87	0.89	0.90	0.90
Coal	1.26	1.03	1.07	1.04	1.02	0.99	0.97	0.95	0.92	0.89	0.86
Total	3.65	3.58	3.79	3.93	3.91	3.91	3.92	3.94	3.96	3.94	3.89
Discrepancy 7/	2.09	-0.24	0.69	0.75	0.24	0.27	0.30	0.32	0.36	0.38	0.41
Consumption											
Petroleum Products 8/	38.49	38.11	38.75	39.58	41.08	42.15	43.10	44.07	44.87	45.79	46.78
Natural Gas	23.05	23.37	22.67	23.98	24.45	25.12	25.69	26.47	27.00	27.90	28.53
Coal	22.04	22.18	22.59	22.65	23.31	23.92	24.53	24.83	25.26	25.49	25.77
Nuclear Power	8.03	8.15	7.96	8.13	8.26	8.29	8.30	8.32	8.25	8.29	8.35
Renewable Energy 1/	5.25	5.84	5.98	6.44	6.59	6.74	6.92	7.05	7.22	7.39	7.56
Other 9/	0.08	0.07	0.13	0.11	0.12	0.11	0.10	0.11	0.11	0.12	0.12
Total	96.94	97.72	98.09	100.91	103.81	106.33	108.64	110.85	112.72	114.99	117.10
Net Imports - Petroleum	23.29	22.56	23.52	24.33	25.21	26.07	26.64	27.53	28.46	29.62	30.95
Prices (2002 dollars per unit)											
World Oil Price (dollars per barrel) 10/	22.25	23.68	27.25	23.86	23.38	23.63	23.87	24.14	24.41	24.67	24.94
Natural Gas Wellhead Price (dollars per Mcf) 11/	4.14	2.95	4.90	3.92	3.61	3.57	3.62	3.72	3.57	3.61	3.79
Coal Minemouth Price (dollars per ton)	17.79	17.90	17.76	17.81	17.43	17.35	17.30	17.41	17.58	17.47	17.32
Average Electricity (cents per kilowatthour)	7.4	7.2	7.1	7.1	6.9	6.9	6.8	6.8	6.9	6.9	6.9

Table 1. Total Energy Supply and Disposition Summary (Quadrillion Btu per Year, Unless Otherwise Noted)

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Production											
Crude Oil & Lease Condensate	12.14	12.02	11.84	11.78	11.53	11.25	11.20	10.90	10.62	10.38	10.22
Natural Gas Plant Liquids	3.28	3.27	3.31	3.34	3.36	3.48	3.58	3.62	3.62	3.59	3.57
Dry Natural Gas	22.64	22.57	22.95	23.26	23.48	24.47	25.25	25.58	25.64	25.43	25.30
Coal	25.74	25.84	26.01	26.27	26.57	26.90	27.16	27.65	28.20	28.85	29.71
Nuclear Power	8.38	8.41	8.45	8.48	8.50	8.52	8.52	8.53	8.53	8.53	8.53
Renewable Energy 1/	7.69	7.85	7.98	8.13	8.32	8.50	8.70	8.94	9.18	9.35	9.58
Other 2/	0.81	0.79	0.80	0.80	0.79	0.80	0.81	0.82	0.82	0.83	0.83
Total	80.69	80.75	81.34	82.05	82.55	83.92	85.23	86.04	86.62	86.95	87.74
Imports											
Crude Oil 3/	27.62	28.85	29.88	30.18	30.49	30.86	31.44	32.34	33.27	33.93	34.45
Petroleum Products 4/	6.79	7.04	6.99	7.66	8.35	8.79	9.07	9.29	9.63	10.09	10.54
Natural Gas	7.34	7.81	8.00	7.97	8.49	8.45	8.40	8.32	8.40	8.63	8.93
Other Imports 5/	1.02	1.06	1.06	1.08	1.08	1.10	1.11	1.09	1.14	1.15	1.17
Total	42.77	44.76	45.92	46.90	48.41	49.19	50.03	51.04	52.44	53.80	55.08
Exports											
Petroleum 6/	2.15	2.19	2.18	2.20	2.17	2.13	2.14	2.15	2.17	2.17	2.16
Natural Gas	0.89	0.88	0.86	0.85	0.85	0.85	0.85	0.84	0.82	0.80	0.77
Coal	0.80	0.78	0.79	0.80	0.81	0.79	0.74	0.70	0.66	0.68	0.68
Total	3.83	3.84	3.83	3.86	3.83	3.78	3.73	3.69	3.65	3.64	3.60
Discrepancy 7/	0.43	0.46	0.47	0.48	0.52	0.50	0.51	0.51	0.51	0.54	0.56
Consumption											
Petroleum Products 8/	47.90	49.17	50.00	50.90	51.66	52.36	53.27	54.12	55.09	55.92	56.70
Natural Gas	29.23	29.62	30.23	30.53	31.25	32.21	32.96	33.22	33.37	33.40	33.62
Coal	25.87	26.02	26.20	26.46	26.77	27.14	27.48	28.00	28.64	29.30	30.19
Nuclear Power	8.38	8.41	8.45	8.48	8.50	8.52	8.52	8.53	8.53	8.53	8.53
Renewable Energy 1/	7.69	7.85	7.98	8.14	8.32	8.50	8.70	8.94	9.18	9.35	9.58
Other 9/	0.12	0.14	0.11	0.12	0.11	0.10	0.09	0.07	0.08	0.07	0.05
Total	119.19	121.22	122.96	124.62	126.61	128.83	131.02	132.88	134.89	136.57	138.66
Net Imports - Petroleum	32.26	33.71	34.69	35.64	36.67	37.51	38.37	39.48	40.72	41.85	42.83
Prices (2002 dollars per unit)											
World Oil Price (dollars per barrel) 10/	25.17	25.44	25.65	25.86	26.09	26.37	26.71	27.04	27.27	27.53	27.76
Natural Gas Wellhead Price (dollars per Mcf) 11/	4.10	4.21	4.30	4.58	4.49	4.32	4.38	4.56	4.71	4.87	4.83
Coal Minemouth Price (dollars per ton)	17.10	16.98	16.74	16.75	16.53	16.57	16.63	16.82	16.92	17.22	17.55
Average Electricity (cents per kilowatthour)	7.1	7.1	7.1	7.2	7.2	7.1	7.2	7.2	7.3	7.3	7.3

Table 1. Total Energy Supply and Disposition Summary (Quadrillion Btu per Year, Unless Otherwise Noted)

	2023	2024	2025	2002- 2025
Production				
Crude Oil & Lease Condensate	10.41	10.33	9.98	-0.8%
Natural Gas Plant Liquids	3.58	3.63	3.62	1.5%
Dry Natural Gas	25.39	25.87	25.84	1.2%
Coal	30.74	31.36	32.26	1.5%
Nuclear Power	8.53	8.53	8.53	0.2%
Renewable Energy 1/	9.74	9.92	10.14	2.4%
Other 2/	0.84	0.84	0.86	-1.2%
Total	89.22	90.48	91.22	1.0%
Imports				
Crude Oil 3/	34.53	34.96	35.63	2.6%
Petroleum Products 4/	11.03	11.48	12.21	4.2%
Natural Gas	9.08	9.20	9.35	3.7%
Other Imports 5/	1.18	1.19	1.20	3.7%
Total	55.83	56.83	58.39	3.1%
Exports				
Petroleum 6/	2.14	2.15	2.16	0.3%
Natural Gas	0.74	0.70	0.65	1.0%
Coal	0.68	0.60	0.52	-3.0%
Total	3.56	3.44	3.33	-0.3%
Discrepancy 7/	0.58	0.58	0.58	N/A
Consumption				
Petroleum Products 8/	57.47	58.34	59.41	1.9%
Natural Gas	33.89	34.54	34.70	1.7%
Coal	31.24	31.93	32.90	1.7%
Nuclear Power	8.53	8.53	8.53	0.2%
Renewable Energy 1/	9.74	9.92	10.14	2.4%
Other 9/	0.04	0.03	0.03	-4.5%
Total	140.92	143.28	145.70	1.8%
Net Imports - Petroleum	43.42	44.30	45.69	3.1%
Prices (2002 dollars per unit)				
World Oil Price (dollars per barrel) 10/	28.00	28.22	28.55	0.8%
Natural Gas Wellhead Price (dollars per Mcf) 11/	4.77	4.74	4.94	2.3%
Coal Minemouth Price (dollars per ton)	17.79	17.84	17.95	0.0%
Average Electricity (cents per kilowatthour)	7.2	7.2	7.3	0.0%

Table 1. Total Energy Supply and Disposition Summary (Quadrillion Btu per Year, Unless Otherwise Noted)

1/ Includes grid-connected electricity from conventional hydroelectric; wood and wood waste; landfill gas; municipal solid waste; other biomass; wind; photovoltaic and solar thermal sources; non-electric energy from renewable sources, such as active and passive solar systems, and wood; and both the ethanol and gasoline components of E85, but not the ethanol components of blends less than 85 percent. Excludes electricity imports using renewable sources and nonmarketed renewable energy. See Table A18 for selected nonmarketed residential and commercial renewable energy.

2/ Includes liquid hydrogen, methanol, supplemental natural gas, and some domestic inputs to refineries.

3/ Includes imports of crude oil for the Strategic Petroleum Reserve.

4/ Includes imports of finished petroleum products, unfinished oils, alcohols, ethers, and blending components.

5/ Includes coal, coal coke (net), and electricity (net).

6/ Includes crude oil and petroleum products.

7/ Balancing item. Includes unaccounted for supply, losses, gains, net storage withdrawals, heat loss when natural gas is converted to liquid fuel, and heat loss when coal is converted to liquid fuel.

8/ Includes natural gas plant liquids, crude oil consumed as a fuel, and nonpetroleum-based liquids for blending, such as ethanol.

9/ Includes net electricity imports, methanol, and liquid hydrogen.

10/ Average refiner acquisition cost for imported crude oil.

11/ Represents lower 48 onshore and offshore supplies.

Btu = British thermal unit.

Mcf = Thousand cubic feet.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2001 and 2002 are model results and may differ slightly from official EIA data reports.

Sources: 2001 natural gas supply values: Energy Information Administration (EIA), Natural Gas Annual 2001, DOE/EIA-0131(2001) (Washington, DC, February 2003). 2002 natural gas supply values: Natural Gas Monthly, DOE/EIA-0130(2003/06) (Washington, DC, June 2003). 2001 coal minemouth prices: EIA, Annual Coal Report 2001, DOE/EIA-0584(2001) (Washington, DC, March 2003). 2002 coal minemouth prices: EIA, Preliminary Annual Coal Report 2002 Tables, http://www.eia.doe.gov/cneaf/coal/page/acr/tables/acr_html_tabs02.html (September 2003). 2001 petroleum supply values: EIA, Petroleum Supply Annual 2001, DOE/EIA-0340(2001)/1 (Washington, DC, June 2002). 2002 petroleum supply values: EIA, Petroleum Supply Annual 2002, DOE/EIA-0340(2002)/1 (Washington, DC, June 2003). Other 2001 and 2002 values: EIA, Annual Energy Review 2002, DOE/EIA-0384(2002) (Washington, DC, October 2003), and EIA, Quarterly Coal Report, October-December 2002, DOE/EIA-0340(2002/4Q) (Washington, DC, March 2003). Projections: EIA, AEO2004 National Energy Modeling System run HM2004.D101703A.

Table 2. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Energy Consumption											
Residential											
Distillate Fuel	0.90	0.89	0.92	0.95	0.95	0.95	0.95	0.95	0.94	0.93	0.92
Kerosene	0.11	0.07	0.08	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Liquefied Petroleum Gas	0.50	0.53	0.50	0.51	0.52	0.54	0.54	0.55	0.56	0.56	0.57
Petroleum Subtotal	1.51	1.48	1.51	1.58	1.59	1.60	1.61	1.61	1.61	1.61	1.60
Natural Gas	4.92	5.06	5.21	5.33	5.36	5.45	5.52	5.61	5.67	5.74	5.79
Coal	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Renewable Energy 1/ Electricity	0.36 4.10	0.39 4.33	0.41 4.37	0.41 4.44	0.41 4.50	0.41 4.57	0.41 4.65	0.41 4.74	0.41 4.81	0.41 4.89	0.41 4.97
Delivered Energy	10.91	11.28	11.52	11.77	11.87	12.04	12.19	12.38	12.50	12.66	12.78
Electricity Related Losses	9.28	9.60	9.69	9.76	9.88	10.01	10.18	10.34	10.36	10.47	10.55
Total	20.18	20.88	21.21	21.53	21.75	22.05	22.37	22.72	22.86	23.13	23.34
Commercial											
Distillate Fuel	0.49	0.49	0.57	0.56	0.58	0.59	0.60	0.61	0.62	0.63	0.63
Residual Fuel	0.09	0.08	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Kerosene	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Liquefied Petroleum Gas	0.09	0.09	0.09	0.09	0.10	0.09	0.10	0.10	0.10	0.10	0.10
Motor Gasoline 2/ Petroleum Subtotal	0.05 0.74	0.05 0.72	0.05 0.85	0.05 0.85	0.05 0.87	0.05 0.88	0.05 0.89	0.05 0.90	0.05 0.91	0.05 0.92	0.05 0.93
Natural Gas	3.33	3.21	3.25	3.20	3.26	3.34	3.40	3.45	3.52	3.59	3.64
Coal	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Renewable Energy 3/ Electricity	0.09 4.09	0.10 4.12	0.10 4.14	0.10 4.27	0.10 4.41	0.10 4.54	0.10 4.67	0.10 4.79	0.10 4.92	0.10 5.06	0.10 5.20
Delivered Energy	8.34	8.25	8.44	8.52	8.74	8.96	9.16	9.35	9.55	9.77	9.97
Electricity Related Losses	9.24	9.15	9.17	9.39	9.68	9.95	10.22	10.46	10.61	10.83	11.03
Total	17.58	17.40	17.61	17.90	18.42	18.91	19.38	19.81	20.16	20.60	21.00
Industrial 4/											
Distillate Fuel	1.21	1.16	1.17	1.16	1.18	1.20	1.21	1.22	1.22	1.25	1.28
Liquefied Petroleum Gas	2.10	2.22	2.12	2.20	2.28	2.33	2.39	2.44	2.47	2.52	2.59
Petrochemical Feedstocks	1.16	1.22	1.27	1.31	1.34	1.37	1.39	1.41	1.42	1.44	1.48
Residual Fuel	0.15	0.20	0.21	0.21	0.22	0.22	0.22	0.22	0.22	0.22	0.22
Motor Gasoline 2/	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.17
Other Petroleum 5/ Petroleum Subtotal	4.27 9.04	4.03 9.00	4.05 8.98	4.05 9.09	4.38 9.56	4.51 9.78	4.56 9.93	4.62 10.08	4.62 10.12	4.63 10.23	4.63 10.38
Natural Gas	7.56	7.43	7.41	7.87	8.10	8.30	8.48	8.62	8.86	9.11	9.35
Lease and Plant Fuel 6/ Natural Gas Subtotal	1.12 8.67	1.35 8.78	1.03 8.44	1.02 8.90	1.09 9.19	1.16 9.46	1.22 9.70	1.29 9.91	1.35 10.21	1.44 10.55	1.46 10.80
Metallurgical Coal	0.71	0.62	0.68	0.69	0.68	0.68	0.67	0.66	0.66	0.64	0.63
Steam Coal	1.51	1.47	1.40	1.41	1.43	1.43	1.44	1.44	1.44	1.45	1.46
Net Coal Coke Imports	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

Table 2. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Coal Subtotal	2.25	2.12	2.11	2.12	2.13	2.13	2.13	2.12	2.12	2.11	2.11
Renewable Energy 7/	1.64	1.66	1.66	1.75	1.83	1.90	1.94	1.99	2.06	2.13	2.20
Electricity	3.29	3.39	3.34	3.49	3.62	3.74	3.83	3.92	4.01	4.10	4.19
Delivered Energy	24.89	24.94	24.52	25.35	26.34	27.01	27.54	28.03	28.52	29.12	29.68
Electricity Related Losses	7.44	7.53	7.39	7.67	7.95	8.18	8.40	8.55	8.63	8.76	8.90
Total	32.33	32.47	31.91	33.01	34.29	35.19	35.93	36.59	37.15	37.88	38.58
Transportation											
Distillate Fuel 8/	5.32	5.12	5.17	5.46	5.73	5.96	6.17	6.38	6.60	6.84	7.08
Jet Fuel 9/	3.43	3.34	3.26	3.36	3.47	3.58	3.68	3.80	3.91	4.02	4.12
Motor Gasoline 2/	16.17	16.62	16.95	17.63	18.11	18.58	19.00	19.44	19.89	20.33	20.76
Residual Fuel	0.84	0.71	0.78	0.78	0.79	0.79	0.79	0.79	0.80	0.80	0.80
Liquefied Petroleum Gas	0.02	0.02	0.02	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.06
Other Petroleum 10/	0.19	0.24	0.24	0.25	0.25	0.25	0.26	0.26	0.27	0.27	0.27
Petroleum Subtotal	25.96	26.06	26.41	27.51	28.38	29.21	29.95	30.72	31.52	32.32	33.09
Pipeline Fuel Natural Gas	0.64	0.65	0.68	0.67	0.67	0.67	0.68	0.69	0.70	0.72	0.73
Compressed Natural Gas	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.05	0.06	0.06	0.07
Renewable Energy (E85) 11/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09
Delivered Energy	26.69	26.79	27.19	28.29	29.17	30.00	30.76	31.55	32.36	33.20	33.98
Electricity Related Losses	0.17	0.17	0.17	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.20
Total	26.85	26.96	27.36	28.46	29.35	30.19	30.95	31.74	32.55	33.39	34.18
Delivered Energy Consumption, All Sectors											
Distillate Fuel	7.92	7.66	7.83	8.14	8.43	8.70	8.93	9.15	9.38	9.64	9.91
Kerosene	0.15	0.09	0.11	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16
Jet Fuel 9/	3.43	3.34	3.26	3.36	3.47	3.58	3.68	3.80	3.91	4.02	4.12
Liquefied Petroleum Gas	2.70	2.86	2.73	2.83	2.94	3.00	3.07	3.14	3.18	3.24	3.32
Motor Gasoline 2/	16.37	16.83	17.16	17.84	18.32	18.79	19.22	19.66	20.11	20.55	20.98
Petrochemical Feedstocks	1.16	1.22	1.27	1.31	1.34	1.37	1.39	1.41	1.42	1.44	1.48
Residual Fuel	1.07	1.00	1.10	1.12	1.13	1.13	1.14	1.14	1.14	1.15	1.16
Other Petroleum 12/	4.45	4.26	4.28	4.28	4.62	4.74	4.80	4.87	4.87	4.87	4.88
Petroleum Subtotal	37.25	37.26	37.74	39.03	40.40	41.47	42.38	43.32	44.15	45.08	46.00
Natural Gas	15.81	15.71	15.90	16.43	16.75	17.13	17.44	17.73	18.10	18.50	18.84
Lease and Plant Fuel 6/	1.12	1.35	1.03	1.02	1.09	1.16	1.22	1.29	1.35	1.44	1.46
Pipeline Natural Gas	0.64	0.65	0.68	0.67	0.67	0.67	0.68	0.69	0.70	0.72	0.73
Natural Gas Subtotal	17.57	17.72	17.60	18.12	18.52	18.96	19.35	19.71	20.15	20.66	21.02
Metallurgical Coal	0.71	0.62	0.68	0.69	0.68	0.68	0.67	0.66	0.66	0.64	0.63
Steam Coal	1.62	1.58	1.51	1.52	1.54	1.55	1.55	1.55	1.55	1.56	1.57
Net Coal Coke Imports	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Coal Subtotal	2.36	2.23	2.22	2.23	2.24	2.25	2.24	2.23	2.23	2.22	2.22
Renewable Energy 13/	2.09	2.15	2.17	2.25	2.34	2.40	2.45	2.50	2.56	2.64	2.71
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	11.55	11.92	11.93	12.28	12.62	12.93	13.23	13.54	13.83	14.14	14.46
Delivered Energy	70.83	71.27	71.66	73.92	76.12	78.01	79.65	81.30	82.93	84.74	86.42

Table 2. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Electricity Related Losses	26.12	26.45	26.43	26.99	27.69	28.32	28.98	29.54	29.79	30.25	30.68
Total	96.94	97.72	98.09	100.91	103.81	106.33	108.64	110.85	112.72	114.99	117.10
Electric Generators 14/											
Distillate Fuel	0.33	0.16	0.17	0.17	0.19	0.20	0.21	0.22	0.19	0.16	0.20
Residual Fuel	0.91	0.69	0.83	0.38	0.49	0.48	0.51	0.53	0.53	0.55	0.57
Petroleum Subtotal	1.25	0.85	1.01	0.55	0.68	0.67	0.71	0.75	0.72	0.71	0.78
Natural Gas	5.48	5.65	5.06	5.86	5.94	6.17	6.35	6.76	6.85	7.24	7.51
Steam Coal	19.68	19.96	20.37	20.42	21.07	21.68	22.29	22.60	23.03	23.27	23.54
Nuclear Power	8.03	8.15	7.96	8.13	8.26	8.29	8.30	8.32	8.25	8.29	8.35
Renewable Energy/Other 15/	3.16	3.69	3.81	4.19	4.25	4.34	4.47	4.55	4.65	4.75	4.85
Electricity Imports	0.08	0.07	0.13	0.11	0.12	0.11	0.10	0.11	0.11	0.12	0.12
Total	37.67	38.36	38.35	39.27	40.31	41.25	42.22	43.09	43.62	44.39	45.14
Total Energy Consumption											
Distillate Fuel	8.26	7.82	8.01	8.31	8.62	8.90	9.14	9.38	9.56	9.80	10.11
Kerosene	0.15	0.09	0.11	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16
Jet Fuel 9/	3.43	3.34	3.26	3.36	3.47	3.58	3.68	3.80	3.91	4.02	4.12
Liquefied Petroleum Gas	2.70	2.86	2.73	2.83	2.94	3.00	3.07	3.14	3.18	3.24	3.32
Motor Gasoline 2/	16.37	16.83	17.16	17.84	18.32	18.79	19.22	19.66	20.11	20.55	20.98
Petrochemical Feedstocks	1.16	1.22	1.27	1.31	1.34	1.37	1.39	1.41	1.42	1.44	1.48
Residual Fuel	1.98	1.69	1.94	1.50	1.62	1.61	1.64	1.67	1.68	1.70	1.73
Other Petroleum 12/	4.45	4.26	4.28	4.28	4.62	4.74	4.80	4.87	4.87	4.87	4.88
Petroleum Subtotal	38.49	38.11	38.75	39.58	41.08	42.15	43.10	44.07	44.87	45.79	46.78
Natural Gas	21.30	21.36	20.96	22.29	22.69	23.29	23.79	24.49	24.95	25.74	26.35
Lease and Plant Fuel 6/	1.12	1.35	1.03	1.02	1.09	1.16	1.22	1.29	1.35	1.44	1.46
Pipeline Natural Gas	0.64	0.65	0.68	0.67	0.67	0.67	0.68	0.69	0.70	0.72	0.73
Natural Gas Subtotal	23.05	23.37	22.67	23.98	24.45	25.12	25.69	26.47	27.00	27.90	28.53
Metallurgical Coal	0.71	0.62	0.68	0.69	0.68	0.68	0.67	0.66	0.66	0.64	0.63
Steam Coal	21.30	21.54	21.89	21.94	22.61	23.23	23.84	24.15	24.59	24.83	25.12
Net Coal Coke Imports	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Coal Subtotal	22.04	22.18	22.59	22.65	23.31	23.92	24.53	24.83	25.26	25.49	25.77
Nuclear Power	8.03	8.15	7.96	8.13	8.26	8.29	8.30	8.32	8.25	8.29	8.35
Renewable Energy 16/	5.25	5.84	5.98	6.44	6.59	6.74	6.92	7.05	7.22	7.39	7.56
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity Imports	0.08	0.07	0.13	0.11	0.12	0.11	0.10	0.11	0.11	0.12	0.12
Total	96.94	97.72	98.09	100.91	103.81	106.33	108.64	110.85	112.72	114.99	117.10
Energy Use & Related Statistics											
Delivered Energy Use	70.83	71.27	71.66	73.92	76.12	78.01	79.65	81.30	82.93	84.74	86.42
Total Energy Use	96.94	97.72	98.09	100.91	103.81	106.33	108.64	110.85	112.72	114.99	117.10
Population (millions)	285.92	288.93	291.68	296.00	298.54	301.70	304.87	308.04	311.22	314.42	317.64
US GDP (billion 1996 dollars)	9215	9440	9657	10153	10554	11025	11496	11964	12437	12858	13272
Carbon Dioxide Emissions (million metric tons)	5691.7	5729.3	5743.6	5861.7	6042.4	6201.9	6348.5	6480.6	6601.3	6729.6	6850.2

Table 2. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted)

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Energy Consumption											
Residential											
Distillate Fuel	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.86	0.85	0.84	0.83
Kerosene	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.09
Liquefied Petroleum Gas	0.58	0.58	0.59	0.59	0.60	0.61	0.61	0.62	0.63	0.63	0.63
Petroleum Subtotal	1.61	1.60	1.60	1.59	1.59	1.58	1.58	1.58	1.58	1.57	1.56
Natural Gas	5.83	5.82	5.86	5.90	5.96	6.02	6.09	6.13	6.18	6.19	6.25
Coal	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Renewable Energy 1/ Electricity	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
Delivered Energy	12.92	12.97	13.08	13.19	13.34	13.46	13.60	13.72	13.86	13.92	14.05
Electricity Related Losses	10.67	10.71	10.78	10.85	10.97	11.04	11.12	11.24	11.37	11.42	11.54
Total	23.58	23.68	23.86	24.04	24.31	24.50	24.73	24.96	25.23	25.34	25.59
Commercial											
Distillate Fuel	0.64	0.65	0.65	0.66	0.67	0.67	0.68	0.68	0.69	0.70	0.71
Residual Fuel	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Kerosene	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Liquefied Petroleum Gas	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Motor Gasoline 2/ Petroleum Subtotal	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.94	0.95	0.95	0.96	0.97	0.97	0.98	0.99	1.00	1.00	1.00	1.01
Natural Gas	3.67	3.69	3.74	3.77	3.80	3.87	3.93	3.98	4.02	4.06	4.11
Coal	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Renewable Energy 3/ Electricity	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
5.33	5.46	5.58	5.71	5.83	5.96	6.09	6.23	6.36	6.49	6.62	
Delivered Energy	10.14	10.30	10.47	10.63	10.80	11.00	11.20	11.39	11.57	11.75	11.93
Electricity Related Losses	11.23	11.42	11.58	11.73	11.91	12.10	12.30	12.52	12.73	12.91	13.12
Total	21.37	21.72	22.05	22.36	22.71	23.10	23.50	23.92	24.30	24.66	25.05
Industrial 4/											
Distillate Fuel	1.30	1.34	1.36	1.38	1.40	1.41	1.44	1.46	1.49	1.51	1.54
Liquefied Petroleum Gas	2.66	2.75	2.79	2.85	2.92	2.99	3.06	3.12	3.20	3.25	3.32
Petrochemical Feedstocks	1.52	1.56	1.58	1.61	1.65	1.69	1.73	1.76	1.79	1.82	1.85
Residual Fuel	0.23	0.24	0.23	0.24	0.24	0.23	0.24	0.24	0.24	0.25	0.25
Motor Gasoline 2/	0.18	0.18	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.21
Other Petroleum 5/ Petroleum Subtotal	4.70	4.83	4.94	4.99	5.04	5.12	5.24	5.30	5.38	5.44	5.52
10.59	10.90	11.09	11.25	11.43	11.64	11.89	12.08	12.30	12.47	12.68	
Natural Gas	9.49	9.63	9.77	9.90	10.09	10.38	10.60	10.74	10.93	11.08	11.29
Lease and Plant Fuel 6/ Natural Gas Subtotal	1.49	1.49	1.51	1.53	1.57	1.64	1.69	1.71	1.72	1.71	1.71
10.97	11.12	11.28	11.43	11.65	12.02	12.29	12.46	12.65	12.79	13.00	
Metallurgical Coal	0.62	0.60	0.59	0.58	0.56	0.55	0.54	0.53	0.52	0.51	0.49
Steam Coal	1.47	1.48	1.49	1.49	1.49	1.50	1.51	1.51	1.52	1.52	1.53
Net Coal Coke Imports	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02

Table 2. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted)

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Coal Subtotal	2.10	2.10	2.09	2.08	2.07	2.07	2.07	2.06	2.05	2.05	2.05
Renewable Energy 7/	2.27	2.35	2.42	2.48	2.54	2.61	2.68	2.73	2.79	2.84	2.89
Electricity	4.29	4.40	4.48	4.56	4.66	4.77	4.87	4.96	5.06	5.15	5.26
Delivered Energy	30.23	30.87	31.36	31.80	32.36	33.11	33.80	34.28	34.85	35.30	35.87
Electricity Related Losses	9.04	9.21	9.29	9.37	9.52	9.69	9.84	9.97	10.13	10.25	10.42
Total	39.27	40.08	40.64	41.17	41.88	42.80	43.64	44.25	44.98	45.55	46.30
Transportation											
Distillate Fuel 8/	7.30	7.54	7.73	7.92	8.12	8.34	8.54	8.71	8.92	9.12	9.34
Jet Fuel 9/	4.21	4.29	4.36	4.43	4.49	4.57	4.64	4.70	4.75	4.81	4.86
Motor Gasoline 2/	21.19	21.64	22.02	22.37	22.73	23.07	23.48	23.80	24.14	24.53	24.93
Residual Fuel	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83
Liquefied Petroleum Gas	0.06	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08
Other Petroleum 10/	0.28	0.28	0.29	0.29	0.30	0.30	0.31	0.32	0.32	0.33	0.34
Petroleum Subtotal	33.85	34.62	35.28	35.90	36.53	37.18	37.87	38.44	39.05	39.69	40.39
Pipeline Fuel Natural Gas	0.74	0.74	0.74	0.75	0.78	0.83	0.87	0.88	0.88	0.87	0.87
Compressed Natural Gas	0.07	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.11	0.11
Renewable Energy (E85) 11/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.09	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.12
Delivered Energy	34.77	35.54	36.20	36.84	37.51	38.21	38.94	39.53	40.15	40.79	41.49
Electricity Related Losses	0.20	0.20	0.20	0.21	0.21	0.21	0.22	0.22	0.22	0.23	0.23
Total	34.97	35.74	36.41	37.05	37.72	38.42	39.16	39.75	40.37	41.02	41.72
Delivered Energy Consumption, All Sectors											
Distillate Fuel	10.16	10.43	10.65	10.85	11.07	11.30	11.52	11.71	11.95	12.17	12.42
Kerosene	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14
Jet Fuel 9/	4.21	4.29	4.36	4.43	4.49	4.57	4.64	4.70	4.75	4.81	4.86
Liquefied Petroleum Gas	3.40	3.49	3.54	3.61	3.69	3.77	3.85	3.92	4.00	4.07	4.13
Motor Gasoline 2/	21.41	21.87	22.25	22.61	22.96	23.31	23.72	24.05	24.39	24.78	25.19
Petrochemical Feedstocks	1.52	1.56	1.58	1.61	1.65	1.69	1.73	1.76	1.79	1.82	1.85
Residual Fuel	1.17	1.18	1.18	1.18	1.19	1.19	1.19	1.20	1.20	1.21	1.21
Other Petroleum 12/	4.96	5.08	5.20	5.26	5.31	5.40	5.52	5.60	5.68	5.75	5.83
Petroleum Subtotal	46.99	48.07	48.91	49.70	50.52	51.38	52.32	53.08	53.92	54.74	55.63
Natural Gas	19.06	19.22	19.46	19.66	19.95	20.37	20.72	20.95	21.23	21.43	21.75
Lease and Plant Fuel 6/	1.49	1.49	1.51	1.53	1.57	1.64	1.69	1.71	1.72	1.71	1.71
Pipeline Natural Gas	0.74	0.74	0.74	0.75	0.78	0.83	0.87	0.88	0.88	0.87	0.87
Natural Gas Subtotal	21.29	21.45	21.71	21.94	22.29	22.84	23.27	23.55	23.83	24.02	24.33
Metallurgical Coal	0.62	0.60	0.59	0.58	0.56	0.55	0.54	0.53	0.52	0.51	0.49
Steam Coal	1.58	1.59	1.60	1.60	1.60	1.61	1.62	1.62	1.63	1.63	1.64
Net Coal Coke Imports	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02
Coal Subtotal	2.22	2.21	2.20	2.19	2.18	2.18	2.18	2.17	2.16	2.16	2.16
Renewable Energy 13/	2.79	2.86	2.93	2.99	3.06	3.13	3.19	3.24	3.30	3.35	3.41
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	14.77	15.08	15.36	15.64	15.95	16.26	16.58	16.89	17.22	17.50	17.81
Delivered Energy	88.05	89.67	91.12	92.46	94.01	95.79	97.55	98.93	100.44	101.77	103.35

Table 2. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted)

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Electricity Related Losses	31.14	31.55	31.85	32.16	32.60	33.04	33.47	33.95	34.46	34.80	35.31
Total	119.19	121.22	122.96	124.62	126.61	128.83	131.02	132.88	134.89	136.57	138.66
Electric Generators 14/											
Distillate Fuel	0.27	0.41	0.42	0.53	0.46	0.35	0.33	0.42	0.56	0.59	0.49
Residual Fuel	0.64	0.70	0.66	0.67	0.68	0.62	0.61	0.62	0.61	0.60	0.57
Petroleum Subtotal	0.91	1.11	1.08	1.19	1.14	0.98	0.95	1.04	1.17	1.19	1.06
Natural Gas	7.94	8.17	8.52	8.59	8.95	9.37	9.69	9.67	9.54	9.38	9.28
Steam Coal	23.66	23.81	24.00	24.27	24.58	24.95	25.30	25.83	26.48	27.15	28.03
Nuclear Power	8.38	8.41	8.45	8.48	8.50	8.52	8.52	8.53	8.53	8.53	8.53
Renewable Energy/Other 15/	4.91	4.99	5.05	5.14	5.26	5.38	5.51	5.70	5.88	6.00	6.17
Electricity Imports	0.12	0.14	0.11	0.12	0.11	0.10	0.09	0.07	0.08	0.07	0.05
Total	45.91	46.63	47.21	47.79	48.55	49.30	50.05	50.84	51.67	52.30	53.12
Total Energy Consumption											
Distillate Fuel	10.44	10.84	11.06	11.38	11.53	11.65	11.86	12.13	12.51	12.76	12.91
Kerosene	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14
Jet Fuel 9/	4.21	4.29	4.36	4.43	4.49	4.57	4.64	4.70	4.75	4.81	4.86
Liquefied Petroleum Gas	3.40	3.49	3.54	3.61	3.69	3.77	3.85	3.92	4.00	4.07	4.13
Motor Gasoline 2/	21.41	21.87	22.25	22.61	22.96	23.31	23.72	24.05	24.39	24.78	25.19
Petrochemical Feedstocks	1.52	1.56	1.58	1.61	1.65	1.69	1.73	1.76	1.79	1.82	1.85
Residual Fuel	1.81	1.88	1.84	1.85	1.86	1.81	1.80	1.82	1.81	1.81	1.78
Other Petroleum 12/	4.96	5.08	5.20	5.26	5.31	5.40	5.52	5.60	5.68	5.75	5.83
Petroleum Subtotal	47.90	49.17	50.00	50.90	51.66	52.36	53.27	54.12	55.09	55.92	56.70
Natural Gas	27.00	27.40	27.98	28.24	28.90	29.74	30.41	30.62	30.77	30.81	31.03
Lease and Plant Fuel 6/	1.49	1.49	1.51	1.53	1.57	1.64	1.69	1.71	1.72	1.71	1.71
Pipeline Natural Gas	0.74	0.74	0.74	0.75	0.78	0.83	0.87	0.88	0.88	0.87	0.87
Natural Gas Subtotal	29.23	29.62	30.23	30.53	31.25	32.21	32.96	33.22	33.37	33.40	33.62
Metallurgical Coal	0.62	0.60	0.59	0.58	0.56	0.55	0.54	0.53	0.52	0.51	0.49
Steam Coal	25.24	25.40	25.59	25.87	26.19	26.57	26.92	27.45	28.11	28.78	29.67
Net Coal Coke Imports	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02
Coal Subtotal	25.87	26.02	26.20	26.46	26.77	27.14	27.48	28.00	28.64	29.30	30.19
Nuclear Power	8.38	8.41	8.45	8.48	8.50	8.52	8.52	8.53	8.53	8.53	8.53
Renewable Energy 16/	7.69	7.85	7.98	8.14	8.32	8.50	8.70	8.94	9.18	9.35	9.58
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity Imports	0.12	0.14	0.11	0.12	0.11	0.10	0.09	0.07	0.08	0.07	0.05
Total	119.19	121.22	122.96	124.62	126.61	128.83	131.02	132.88	134.89	136.57	138.66
Energy Use & Related Statistics											
Delivered Energy Use	88.05	89.67	91.12	92.46	94.01	95.79	97.55	98.93	100.44	101.77	103.35
Total Energy Use	119.19	121.22	122.96	124.62	126.61	128.83	131.02	132.88	134.89	136.57	138.66
Population (millions)	320.89	324.17	327.42	330.67	333.93	337.20	340.48	343.76	347.05	350.36	353.69
US GDP (billion 1996 dollars)	13696	14171	14638	15084	15548	16043	16558	17051	17603	18137	18725
Carbon Dioxide Emissions (million metric tons)	6969.4	7085.1	7183.7	7280.9	7394.6	7517.8	7642.9	7758.7	7886.3	8001.8	8140.2

Table 2. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted)

	2023	2024	2025	2002- 2025
Energy Consumption				
Residential				
Distillate Fuel	0.82	0.82	0.80	-0.5%
Kerosene	0.09	0.09	0.09	1.2%
Liquefied Petroleum Gas	0.64	0.65	0.65	0.9%
Petroleum Subtotal	1.56	1.55	1.54	0.2%
Natural Gas	6.31	6.40	6.43	1.0%
Coal	0.01	0.01	0.01	-0.3%
Renewable Energy 1/ Electricity	0.41	0.41	0.41	0.2%
Delivered Energy	5.91	6.01	6.08	1.5%
Electricity Related Losses	14.20	14.39	14.47	1.1%
Total	11.67	11.82	11.91	0.9%
Total	25.87	26.21	26.38	1.0%
Commercial				
Distillate Fuel	0.71	0.72	0.72	1.7%
Residual Fuel	0.13	0.13	0.13	2.3%
Kerosene	0.02	0.02	0.02	1.5%
Liquefied Petroleum Gas	0.10	0.10	0.10	0.3%
Motor Gasoline 2/ Petroleum Subtotal	0.05	0.05	0.05	0.2%
Total	1.02	1.02	1.02	1.5%
Natural Gas	4.17	4.24	4.30	1.3%
Coal	0.10	0.10	0.10	0.1%
Renewable Energy 3/ Electricity	0.10	0.10	0.10	0.0%
Delivered Energy	6.75	6.88	7.03	2.3%
Electricity Related Losses	12.13	12.34	12.54	1.8%
Total	13.33	13.53	13.77	1.8%
Total	25.46	25.87	26.31	1.8%
Industrial 4/				
Distillate Fuel	1.57	1.59	1.62	1.5%
Liquefied Petroleum Gas	3.38	3.45	3.53	2.0%
Petrochemical Feedstocks	1.89	1.92	1.95	2.1%
Residual Fuel	0.25	0.25	0.25	1.0%
Motor Gasoline 2/	0.21	0.22	0.22	1.4%
Other Petroleum 5/ Petroleum Subtotal	5.58	5.62	5.67	1.5%
Total	12.87	13.04	13.25	1.7%
Natural Gas	11.53	11.78	12.02	2.1%
Lease and Plant Fuel 6/ Natural Gas Subtotal	1.72	1.75	1.75	1.1%
Total	13.25	13.53	13.77	2.0%
Metallurgical Coal	0.48	0.47	0.46	-1.2%
Steam Coal	1.54	1.58	1.62	0.4%
Net Coal Coke Imports	0.02	0.03	0.03	0.5%

Table 2. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted)

	2023	2024	2025	2002-2025
Coal Subtotal	2.05	2.08	2.11	0.0%
Renewable Energy 7/	2.95	3.01	3.08	2.7%
Electricity	5.37	5.49	5.63	2.2%
Delivered Energy	36.50	37.14	37.85	1.8%
Electricity Related Losses	10.61	10.78	11.03	1.7%
Total	47.11	47.93	48.88	1.8%
Transportation				
Distillate Fuel 8/	9.59	9.85	10.12	3.0%
Jet Fuel 9/	4.90	4.95	5.00	1.8%
Motor Gasoline 2/	25.37	25.83	26.33	2.0%
Residual Fuel	0.83	0.84	0.84	0.7%
Liquefied Petroleum Gas	0.09	0.09	0.09	7.0%
Other Petroleum 10/	0.35	0.35	0.36	1.8%
Petroleum Subtotal	41.13	41.91	42.74	2.2%
Pipeline Fuel Natural Gas	0.88	0.89	0.89	1.4%
Compressed Natural Gas	0.11	0.12	0.12	9.7%
Renewable Energy (E85) 11/	0.00	0.00	0.00	8.2%
Liquid Hydrogen	0.00	0.00	0.00	N/A
Electricity	0.12	0.12	0.12	2.2%
Delivered Energy	42.24	43.05	43.89	2.2%
Electricity Related Losses	0.23	0.24	0.24	1.6%
Total	42.48	43.28	44.13	2.2%
Delivered Energy Consumption, All Sectors				
Distillate Fuel	12.69	12.97	13.27	2.4%
Kerosene	0.14	0.14	0.13	1.7%
Jet Fuel 9/	4.90	4.95	5.00	1.8%
Liquefied Petroleum Gas	4.21	4.29	4.37	1.9%
Motor Gasoline 2/	25.63	26.09	26.60	2.0%
Petrochemical Feedstocks	1.89	1.92	1.95	2.1%
Residual Fuel	1.21	1.22	1.23	0.9%
Other Petroleum 12/	5.90	5.95	6.01	1.5%
Petroleum Subtotal	56.57	57.53	58.56	2.0%
Natural Gas	22.11	22.53	22.86	1.6%
Lease and Plant Fuel 6/	1.72	1.75	1.75	1.1%
Pipeline Natural Gas	0.88	0.89	0.89	1.4%
Natural Gas Subtotal	24.71	25.17	25.51	1.6%
Metallurgical Coal	0.48	0.47	0.46	-1.2%
Steam Coal	1.65	1.69	1.73	0.4%
Net Coal Coke Imports	0.02	0.03	0.03	0.5%
Coal Subtotal	2.16	2.19	2.22	0.0%
Renewable Energy 13/	3.47	3.53	3.60	2.3%
Liquid Hydrogen	0.00	0.00	0.00	N/A
Electricity	18.15	18.50	18.86	2.0%
Delivered Energy	105.07	106.92	108.75	1.9%

Table 2. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted)

	2023	2024	2025	2002- 2025
Electricity Related Losses	35.85	36.37	36.95	1.5%
Total	140.92	143.28	145.70	1.8%
Electric Generators 14/				
Distillate Fuel	0.36	0.29	0.32	3.1%
Residual Fuel	0.54	0.53	0.53	-1.1%
Petroleum Subtotal	0.90	0.82	0.85	0.0%
Natural Gas	9.17	9.36	9.19	2.1%
Steam Coal	29.09	29.74	30.68	1.9%
Nuclear Power	8.53	8.53	8.53	0.2%
Renewable Energy/Other 15/	6.27	6.39	6.54	2.5%
Electricity Imports	0.04	0.03	0.03	-4.5%
Total	54.00	54.87	55.81	1.6%
Total Energy Consumption				
Distillate Fuel	13.05	13.26	13.59	2.4%
Kerosene	0.14	0.14	0.13	1.7%
Jet Fuel 9/	4.90	4.95	5.00	1.8%
Liquefied Petroleum Gas	4.21	4.29	4.37	1.9%
Motor Gasoline 2/	25.63	26.09	26.60	2.0%
Petrochemical Feedstocks	1.89	1.92	1.95	2.1%
Residual Fuel	1.76	1.75	1.76	0.2%
Other Petroleum 12/	5.90	5.95	6.01	1.5%
Petroleum Subtotal	57.47	58.34	59.41	1.9%
Natural Gas	31.29	31.89	32.05	1.8%
Lease and Plant Fuel 6/	1.72	1.75	1.75	1.1%
Pipeline Natural Gas	0.88	0.89	0.89	1.4%
Natural Gas Subtotal	33.89	34.54	34.70	1.7%
Metallurgical Coal	0.48	0.47	0.46	-1.2%
Steam Coal	30.74	31.43	32.41	1.8%
Net Coal Coke Imports	0.02	0.03	0.03	0.5%
Coal Subtotal	31.24	31.93	32.90	1.7%
Nuclear Power	8.53	8.53	8.53	0.2%
Renewable Energy 16/	9.74	9.92	10.14	2.4%
Liquid Hydrogen	0.00	0.00	0.00	N/A
Electricity Imports	0.04	0.03	0.03	-4.5%
Total	140.92	143.28	145.70	1.8%
Energy Use & Related Statistics				
Delivered Energy Use	105.07	106.92	108.75	1.9%
Total Energy Use	140.92	143.28	145.70	1.8%
Population (millions)	357.05	360.36	363.71	1.0%
US GDP (billion 1996 dollars)	19345	19983	20685	3.5%
Carbon Dioxide Emissions (million metric tons)	8299.0	8449.6	8614.9	1.8%

Table 2. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted)

1/ Includes wood used for residential heating. See Table A18 for estimates of nonmarketed renewable energy consumption for geothermal heat pumps, solar thermal hot water heating, and solar photovoltaic electricity generation.

2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.

3/ Includes commercial sector consumption of wood and wood waste, landfill gas, municipal solid waste, and other biomass for combined heat and power. See Table A18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating and solar photovoltaic electricity generation.

4/ Fuel consumption includes consumption for combined heat and power, which produces electricity, both for sale to the grid and for own use, and other useful thermal energy.

5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.

6/ Represents natural gas used in the field gathering and processing plant machinery.

7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass.

8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.

9/ Includes only kerosene type.

10/ Includes aviation gasoline and lubricants.

11/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent ethanol was used for this forecast.

12/ Includes unfinished oils, natural gasoline, motor gasoline blending components, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.

13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.

14/ Includes consumption of energy by electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.

15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.

16/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2001 and 2002 are model results and may differ slightly from official EIA data reports. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.

Sources: 2001 and 2002 consumption based on: Energy Information Administration (EIA), EIA, Annual Energy Review 2002, DOE/EIA-0384(2002) (Washington, DC, October 2003). 2001 and 2002 gross domestic product: Global Insight macroeconomic model T250803. 2001 and 2002 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2002, DOE/EIA-0573(2002) (Washington, DC, October 2003). Projections: EIA, AEO2004 National Energy Modeling System run HM2004.D101703A.

Table 3. Energy Prices by Sector and Source
(2002 Dollars per Million Btu, Unless Otherwise Noted)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Residential	15.95	14.73	15.60	15.38	14.94	14.83	14.73	14.73	14.73	14.77	14.90
Primary Energy 1/	9.85	8.14	9.58	9.30	8.76	8.63	8.54	8.51	8.38	8.36	8.51
Petroleum Products 2/	10.95	9.87	11.53	10.83	9.83	9.89	9.88	9.97	10.05	10.08	10.24
Distillate Fuel	9.09	8.23	9.11	8.31	8.03	8.02	7.94	7.94	7.97	7.94	7.99
Liquefied Petroleum Gas	15.05	12.92	16.49	16.15	13.62	13.72	13.77	13.97	14.05	14.16	14.44
Natural Gas	9.53	7.65	9.03	8.86	8.46	8.27	8.16	8.10	7.92	7.89	8.05
Electricity	25.51	24.73	24.88	24.86	24.49	24.42	24.24	24.22	24.36	24.41	24.42
Commercial	15.67	14.68	15.01	14.76	14.30	14.14	14.02	14.12	14.27	14.39	14.54
Primary Energy 1/	8.07	6.35	7.84	7.35	6.95	6.82	6.78	6.78	6.67	6.68	6.83
Petroleum Products 2/	7.25	6.88	7.62	7.01	6.48	6.43	6.43	6.45	6.48	6.48	6.55
Distillate Fuel	6.38	6.07	6.71	6.12	5.65	5.61	5.58	5.56	5.59	5.57	5.63
Residual Fuel	3.51	4.21	4.97	4.13	4.02	4.05	4.09	4.13	4.17	4.21	4.26
Natural Gas	8.44	6.37	8.08	7.62	7.23	7.08	7.02	7.01	6.86	6.87	7.04
Electricity	23.43	22.82	22.29	21.95	21.35	21.10	20.84	20.94	21.26	21.41	21.46
Industrial 3/	7.24	6.31	7.29	6.76	6.49	6.49	6.55	6.66	6.70	6.74	6.86
Primary Energy	5.87	4.77	6.09	5.45	5.16	5.16	5.22	5.30	5.29	5.33	5.47
Petroleum Products 2/	7.73	6.35	7.50	7.07	6.69	6.71	6.79	6.87	6.95	6.99	7.12
Distillate Fuel	6.62	6.21	6.87	6.27	5.82	5.78	5.78	5.75	5.80	5.79	5.87
Liquefied Petroleum Gas	12.48	8.28	10.56	10.33	9.38	9.48	9.62	9.83	9.92	10.00	10.28
Residual Fuel	3.31	3.89	4.60	3.82	3.63	3.66	3.70	3.74	3.79	3.83	3.87
Natural Gas 4/	4.91	3.75	5.60	4.54	4.24	4.19	4.24	4.32	4.23	4.28	4.47
Metallurgical Coal	1.71	1.87	2.03	2.05	2.02	2.02	2.00	2.01	2.01	2.01	2.00
Steam Coal	1.51	1.52	1.63	1.64	1.61	1.63	1.63	1.64	1.64	1.64	1.64
Electricity	15.11	14.74	13.96	13.92	13.74	13.71	13.69	13.87	14.09	14.11	14.07
Transportation	10.58	9.91	11.12	10.17	10.42	10.52	10.63	10.72	10.77	10.80	10.87
Primary Energy	10.55	9.88	11.09	10.14	10.39	10.50	10.60	10.70	10.74	10.77	10.84
Petroleum Products 2/	10.55	9.88	11.09	10.14	10.39	10.50	10.61	10.70	10.74	10.78	10.85
Distillate Fuel 5/	10.16	9.41	10.41	9.50	9.77	10.15	10.39	10.43	10.43	10.52	10.66
Jet Fuel 6/	6.27	5.97	6.72	6.33	6.12	5.89	5.84	5.85	5.90	5.92	6.05
Motor Gasoline 7/	11.99	11.15	12.54	11.42	11.79	11.88	11.97	12.11	12.16	12.18	12.21
Residual Fuel	3.94	3.77	4.45	3.70	3.49	3.52	3.56	3.60	3.64	3.68	3.72
Liquefied Petroleum Gas 8/	17.12	15.00	16.47	16.46	14.86	14.96	15.01	15.18	15.24	15.34	15.62
Natural Gas 9/	8.69	7.38	9.43	8.33	8.05	8.11	8.25	8.42	8.42	8.56	8.78
Ethanol (E85) 10/	16.56	15.19	16.83	16.83	16.85	16.94	17.14	17.32	17.27	17.33	17.54
Electricity	21.58	21.10	21.36	21.11	20.49	20.20	19.97	20.05	20.27	20.40	20.50
Average End-Use Energy	10.95	10.10	11.10	10.47	10.33	10.33	10.36	10.45	10.50	10.54	10.65
Primary Energy	8.69	7.70	9.01	8.29	8.21	8.25	8.31	8.40	8.41	8.44	8.56
Electricity	21.79	21.20	20.90	20.72	20.28	20.13	19.95	20.04	20.25	20.33	20.33
Electric Generators 11/											
Fossil Fuel Average	2.27	1.89	2.22	2.04	1.97	1.96	1.97	2.03	2.00	2.03	2.09
Petroleum Products	5.00	4.32	4.91	4.51	4.24	4.27	4.29	4.30	4.29	4.28	4.37

Table 3. Energy Prices by Sector and Source
(2002 Dollars per Million Btu, Unless Otherwise Noted)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Distillate Fuel	6.24	5.58	6.17	5.61	5.15	5.07	5.06	5.02	5.02	5.03	5.09
Residual Fuel	4.55	4.04	4.65	4.00	3.89	3.94	3.96	4.00	4.03	4.06	4.11
Natural Gas	5.30	3.77	5.62	4.55	4.25	4.20	4.23	4.32	4.24	4.28	4.46
Steam Coal	1.25	1.26	1.24	1.26	1.25	1.26	1.25	1.26	1.27	1.26	1.26
Average Price to All Users 12/											
Petroleum Products 2/	9.74	8.94	10.11	9.39	9.41	9.49	9.59	9.68	9.76	9.80	9.88
Distillate Fuel	9.14	8.52	9.38	8.60	8.66	8.92	9.09	9.12	9.18	9.27	9.38
Jet Fuel	6.27	5.97	6.72	6.33	6.12	5.89	5.84	5.85	5.90	5.92	6.05
Liquefied Petroleum Gas	13.00	9.27	11.82	11.56	10.28	10.39	10.51	10.72	10.80	10.89	11.16
Motor Gasoline 7/	11.99	11.15	12.53	11.42	11.79	11.88	11.97	12.11	12.16	12.18	12.21
Residual Fuel	4.16	3.92	4.58	3.83	3.67	3.71	3.74	3.79	3.82	3.86	3.91
Natural Gas	6.63	5.07	6.85	6.02	5.67	5.57	5.55	5.58	5.45	5.46	5.62
Coal	1.27	1.28	1.27	1.29	1.28	1.28	1.28	1.29	1.29	1.29	1.29
Ethanol (E85) 10/	16.56	15.19	16.83	16.83	16.85	16.94	17.14	17.32	17.27	17.33	17.54
Electricity	21.79	21.20	20.90	20.72	20.28	20.13	19.95	20.04	20.25	20.33	20.33
Non-Renewable Energy Expenditures by Sector (billion 2002 dollars)											
Residential	168.08	160.37	173.32	174.81	171.30	172.57	173.61	176.35	178.18	180.96	184.45
Commercial	129.31	119.67	125.16	124.24	123.59	125.29	127.01	130.59	134.94	139.12	143.48
Industrial	138.60	120.96	137.79	132.37	130.96	133.84	137.44	141.94	144.80	148.55	154.26
Transportation	275.57	259.11	294.79	280.80	296.90	308.63	319.76	330.93	340.86	350.71	361.37
Total Non-Renewable Expenditures	711.55	660.11	731.05	712.22	722.75	740.32	757.82	779.81	798.78	819.34	843.56
Transportation Renewable Expenditures	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04
Total Expenditures	711.56	660.12	731.06	712.24	722.76	740.34	757.85	779.84	798.82	819.38	843.60

Table 3. Energy Prices by Sector and Source
(2002 Dollars per Million Btu, Unless Otherwise Noted)

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Residential	15.25	15.43	15.50	15.71	15.72	15.60	15.72	15.85	16.06	16.21	16.22
Primary Energy 1/	8.73	8.83	8.92	9.09	9.03	8.90	8.94	9.10	9.20	9.34	9.32
Petroleum Products 2/	10.34	10.45	10.57	10.72	10.79	10.85	10.96	11.07	11.18	11.34	11.47
Distillate Fuel	8.09	8.15	8.24	8.36	8.41	8.45	8.50	8.54	8.61	8.68	8.71
Liquefied Petroleum Gas	14.47	14.59	14.70	14.82	14.82	14.85	14.95	15.09	15.20	15.42	15.61
Natural Gas	8.30	8.40	8.48	8.66	8.58	8.40	8.43	8.61	8.71	8.85	8.80
Electricity	24.86	25.02	24.95	25.12	25.15	25.00	25.16	25.16	25.45	25.50	25.48
Commercial	14.95	15.06	15.14	15.40	15.46	15.36	15.52	15.63	15.87	15.98	15.98
Primary Energy 1/	7.05	7.14	7.22	7.40	7.36	7.24	7.28	7.43	7.52	7.64	7.62
Petroleum Products 2/	6.60	6.65	6.71	6.81	6.87	6.91	6.94	7.00	7.06	7.13	7.17
Distillate Fuel	5.71	5.76	5.83	5.95	6.03	6.08	6.12	6.16	6.23	6.29	6.32
Residual Fuel	4.30	4.34	4.37	4.40	4.44	4.47	4.52	4.57	4.60	4.64	4.67
Natural Gas	7.30	7.41	7.50	7.70	7.63	7.47	7.50	7.68	7.77	7.92	7.87
Electricity	21.94	21.93	21.93	22.17	22.24	22.10	22.30	22.29	22.58	22.60	22.57
Industrial 3/	7.05	7.15	7.22	7.40	7.45	7.42	7.52	7.62	7.73	7.85	7.87
Primary Energy	5.62	5.72	5.81	5.97	6.01	5.99	6.07	6.19	6.27	6.40	6.43
Petroleum Products 2/	7.17	7.24	7.32	7.42	7.55	7.63	7.73	7.81	7.86	7.98	8.07
Distillate Fuel	5.92	5.97	6.02	6.15	6.27	6.31	6.36	6.40	6.47	6.53	6.57
Liquefied Petroleum Gas	10.34	10.44	10.52	10.59	10.73	10.80	10.97	11.09	11.18	11.41	11.61
Residual Fuel	3.91	3.95	3.98	4.02	4.05	4.09	4.14	4.19	4.22	4.26	4.30
Natural Gas 4/	4.75	4.86	4.97	5.21	5.15	5.01	5.05	5.23	5.34	5.49	5.44
Metallurgical Coal	1.98	1.97	1.96	1.96	1.95	1.94	1.94	1.92	1.90	1.88	1.87
Steam Coal	1.62	1.62	1.61	1.61	1.60	1.60	1.60	1.60	1.60	1.62	1.64
Electricity	14.43	14.49	14.47	14.70	14.74	14.66	14.81	14.82	15.03	15.03	14.98
Transportation	10.87	10.80	10.82	10.88	10.91	10.91	10.74	10.91	10.97	11.02	11.06
Primary Energy	10.84	10.78	10.79	10.85	10.88	10.89	10.71	10.88	10.94	10.99	11.03
Petroleum Products 2/	10.85	10.78	10.80	10.85	10.88	10.89	10.71	10.88	10.94	10.99	11.03
Distillate Fuel 5/	10.68	10.47	10.55	10.58	10.63	10.65	10.52	10.46	10.45	10.45	10.46
Jet Fuel 6/	6.06	6.03	6.05	6.15	6.22	6.27	6.26	6.27	6.33	6.38	6.43
Motor Gasoline 7/	12.19	12.16	12.14	12.20	12.21	12.20	11.96	12.25	12.33	12.39	12.43
Residual Fuel	3.75	3.79	3.82	3.86	3.89	3.93	3.98	4.03	4.07	4.11	4.14
Liquefied Petroleum Gas 8/	15.58	15.69	15.81	15.94	15.85	15.77	15.86	16.00	16.11	16.31	16.51
Natural Gas 9/	9.09	9.23	9.35	9.55	9.51	9.36	9.38	9.55	9.63	9.75	9.70
Ethanol (E85) 10/	17.74	17.77	17.84	17.93	17.96	18.43	18.39	18.59	18.45	18.62	18.68
Electricity	20.96	21.18	21.11	21.24	21.25	21.07	21.12	21.09	21.27	21.24	21.14
Average End-Use Energy	10.81	10.84	10.88	11.02	11.06	11.01	11.00	11.13	11.25	11.34	11.36
Primary Energy	8.65	8.67	8.73	8.85	8.87	8.84	8.78	8.94	9.01	9.11	9.13
Electricity	20.76	20.80	20.77	20.98	21.02	20.88	21.04	21.04	21.30	21.31	21.27
Electric Generators 11/											
Fossil Fuel Average	2.20	2.30	2.31	2.37	2.37	2.34	2.37	2.40	2.41	2.43	2.38
Petroleum Products	4.44	4.57	4.66	4.79	4.79	4.79	4.83	4.95	5.09	5.17	5.17

Table 3. Energy Prices by Sector and Source
(2002 Dollars per Million Btu, Unless Otherwise Noted)

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Distillate Fuel	5.16	5.28	5.36	5.47	5.53	5.58	5.61	5.67	5.74	5.80	5.85
Residual Fuel	4.13	4.17	4.22	4.26	4.29	4.34	4.40	4.45	4.50	4.55	4.59
Natural Gas	4.75	5.01	4.98	5.21	5.16	5.02	5.06	5.23	5.32	5.46	5.41
Steam Coal	1.26	1.26	1.25	1.25	1.25	1.24	1.24	1.24	1.24	1.26	1.27
Average Price to All Users 12/											
Petroleum Products 2/	9.89	9.84	9.88	9.95	10.01	10.05	9.95	10.09	10.14	10.21	10.28
Distillate Fuel	9.41	9.24	9.33	9.36	9.46	9.55	9.48	9.43	9.41	9.43	9.48
Jet Fuel	6.06	6.03	6.05	6.15	6.22	6.27	6.26	6.27	6.33	6.38	6.43
Liquefied Petroleum Gas	11.20	11.30	11.38	11.45	11.56	11.61	11.76	11.88	11.96	12.19	12.37
Motor Gasoline 7/	12.19	12.16	12.14	12.20	12.21	12.20	11.96	12.25	12.33	12.39	12.43
Residual Fuel	3.95	3.99	4.02	4.06	4.10	4.13	4.19	4.24	4.27	4.31	4.35
Natural Gas	5.88	6.01	6.06	6.28	6.20	6.03	6.06	6.24	6.34	6.49	6.44
Coal	1.28	1.29	1.27	1.27	1.27	1.26	1.26	1.26	1.26	1.28	1.29
Ethanol (E85) 10/	17.74	17.77	17.84	17.93	17.96	18.43	18.39	18.59	18.45	18.62	18.68
Electricity	20.76	20.80	20.77	20.98	21.02	20.88	21.04	21.04	21.30	21.31	21.27
Non-Renewable Energy Expenditures by Sec (billion 2002 dollars)											
Residential	190.77	193.79	196.38	200.78	203.32	203.59	207.36	210.93	216.04	218.99	221.18
Commercial	150.10	153.56	157.07	162.18	165.42	167.42	172.32	176.51	182.08	186.13	189.07
Industrial	161.66	167.50	171.65	178.78	183.26	186.57	192.84	198.30	205.02	211.10	215.50
Transportation	369.80	375.96	383.69	392.45	400.51	407.94	408.74	421.53	430.65	439.68	449.08
Total Non-Renewable Expenditures	872.33	890.81	908.78	934.19	952.50	965.52	981.26	1007.27	1033.79	1055.90	1074.83
Transportation Renewable Expenditures	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.07
Total Expenditures	872.38	890.86	908.83	934.24	952.55	965.57	981.32	1007.33	1033.86	1055.97	1074.90

Table 3. Energy Prices by Sector and Source
(2002 Dollars per Million Btu, Unless Otherwise Noted)

	2023	2024	2025	2002- 2025
Residential	16.17	16.22	16.43	0.5%
Primary Energy 1/	9.27	9.24	9.39	0.6%
Petroleum Products 2/	11.55	11.67	11.93	0.8%
Distillate Fuel	8.75	8.84	9.01	0.4%
Liquefied Petroleum Gas	15.68	15.75	16.05	0.9%
Natural Gas	8.72	8.67	8.79	0.6%
Electricity	25.35	25.45	25.67	0.2%
Commercial	15.91	15.99	16.20	0.4%
Primary Energy 1/	7.58	7.56	7.70	0.8%
Petroleum Products 2/	7.21	7.28	7.44	0.3%
Distillate Fuel	6.36	6.44	6.62	0.4%
Residual Fuel	4.70	4.73	4.78	0.6%
Natural Gas	7.81	7.77	7.89	0.9%
Electricity	22.43	22.55	22.75	0.0%
Industrial 3/	7.87	7.90	8.08	1.1%
Primary Energy	6.44	6.47	6.64	1.4%
Petroleum Products 2/	8.14	8.20	8.41	1.2%
Distillate Fuel	6.62	6.70	6.88	0.4%
Liquefied Petroleum Gas	11.69	11.76	12.11	1.7%
Residual Fuel	4.33	4.36	4.41	0.5%
Natural Gas 4/	5.39	5.37	5.54	1.7%
Metallurgical Coal	1.86	1.85	1.84	-0.1%
Steam Coal	1.64	1.64	1.65	0.4%
Electricity	14.86	14.94	15.09	0.1%
Transportation	11.11	11.14	11.21	0.5%
Primary Energy	11.08	11.11	11.18	0.5%
Petroleum Products 2/	11.08	11.12	11.19	0.5%
Distillate Fuel 5/	10.52	10.53	10.58	0.5%
Jet Fuel 6/	6.48	6.54	6.67	0.5%
Motor Gasoline 7/	12.48	12.51	12.56	0.5%
Residual Fuel	4.18	4.21	4.26	0.5%
Liquefied Petroleum Gas8/	16.56	16.60	16.87	0.5%
Natural Gas 9/	9.63	9.57	9.68	1.2%
Ethanol (E85) 10/	18.72	18.75	18.83	0.9%
Electricity	20.96	20.97	21.07	0.0%
Average End-Use Energy	11.35	11.40	11.53	0.6%
Primary Energy	9.16	9.18	9.30	0.8%
Electricity	21.13	21.22	21.40	0.0%
Electric Generators 11/				
Fossil Fuel Average	2.32	2.32	2.33	0.9%
Petroleum Products	5.15	5.15	5.27	0.9%

Table 3. Energy Prices by Sector and Source
 (2002 Dollars per Million Btu, Unless Otherwise Noted)

	2023	2024	2025	2002- 2025
Distillate Fuel	5.89	5.96	6.12	0.4%
Residual Fuel	4.65	4.71	4.77	0.7%
Natural Gas	5.34	5.34	5.47	1.6%
Steam Coal	1.28	1.29	1.30	0.2%
Average Price to All Users 12/				
Petroleum Products 2/	10.35	10.40	10.51	0.7%
Distillate Fuel	9.58	9.64	9.73	0.6%
Jet Fuel	6.48	6.54	6.67	0.5%
Liquefied Petroleum Gas	12.45	12.51	12.84	1.4%
Motor Gasoline 7/	12.48	12.51	12.56	0.5%
Residual Fuel	4.39	4.42	4.48	0.6%
Natural Gas	6.39	6.36	6.50	1.1%
Coal	1.30	1.31	1.33	0.2%
Ethanol (E85) 10/	18.72	18.75	18.83	0.9%
Electricity	21.13	21.22	21.40	0.0%
Non-Renewable Energy Expenditures by Sec (billion 2002 dollars)				
Residential	222.85	226.58	230.97	1.6%
Commercial	191.44	195.73	201.55	2.3%
Industrial	219.50	224.82	234.80	2.9%
Transportation	459.45	469.67	481.97	2.7%
Total Non-Renewable Expenditures	1093.25	1116.79	1149.30	2.4%
Transportation Renewable Expenditures	0.07	0.08	0.08	9.3%
Total Expenditures	1093.32	1116.86	1149.38	2.4%

Table 3. Energy Prices by Sector and Source
(2002 Dollars per Million Btu, Unless Otherwise Noted)

1/ Weighted average price includes fuels below as well as coal.

2/ This quantity is the weighted average for all petroleum products, not just those listed below.

3/ Includes combined heat and power, which produces electricity and other useful thermal energy.

4/ Excludes use for lease and plant fuel.

5/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.

6/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.

7/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.

8/ Includes Federal and State taxes while excluding county and local taxes.

9/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.

10/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent ethanol was used for this forecast.

11/ Includes electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.

12/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

Note: Data for 2001 and 2002 are model results and may differ slightly from official EIA data reports.

Sources: 2001 and 2002 prices for gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2002, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (August 2003). 2001 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Annual 2001, DOE/EIA-0131(2001) (Washington, DC, February 2003). 2002 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2003/06) (Washington, DC, June 2003). 2001 and 2002 electric power sector natural gas prices: Federal Energy Regulatory Commissions, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." 2001 and 2002 industrial natural gas delivered prices are based on: EIA, Manufacturing Energy Consumption Survey 1998. 2001 and 2002 coal prices based on EIA, Quarterly Coal Report, October-December 2002, DOE/EIA-0340(2002/4Q) (Washington, DC, March 2003) and EIA, AEO2004 National Energy Modeling System run HM2004.D101703A. 2001 and 2002 electricity prices: Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, October 2002). 2001 and 2002 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2004 National Energy Modeling System run HM2004.D101703A.

**Table 4. Residential Sector Key Indicators and Consumption
(quadrillion Btu per Year ,Unless Otherwise Noted)**

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Key Indicators													
Households (millions)													
Single-Family	73.73	74.77	75.83	76.95	78.06	79.20	80.38	81.57	82.75	83.92	85.10	86.24	87.36
Multifamily	28.96	29.20	29.41	29.66	29.88	30.10	30.35	30.63	30.91	31.19	31.48	31.76	32.04
Mobile Homes	6.37	6.31	6.23	6.15	6.10	6.08	6.10	6.15	6.23	6.32	6.40	6.48	6.55
Total	109.06	110.28	111.47	112.76	114.03	115.37	116.83	118.35	119.89	121.43	122.98	124.48	125.96
Average House Square Footage													
	1684	1689	1695	1701	1706	1712	1718	1723	1728	1733	1738	1742	1747
Energy Intensity													
(million Btu per household)													
Delivered Energy Consumption	100.0	102.3	103.3	104.4	104.1	104.4	104.4	104.6	104.3	104.2	103.9	103.8	102.9
Total Energy Consumption	185.0	189.4	190.3	191.0	190.7	191.1	191.5	192.0	190.7	190.4	189.8	189.5	188.0
(thousand Btu per square foot)													
Delivered Energy Consumption	59.4	60.6	61.0	61.4	61.0	61.0	60.8	60.7	60.3	60.1	59.8	59.6	58.9
Total Energy Consumption	109.9	112.1	112.3	112.3	111.8	111.6	111.5	111.4	110.4	109.9	109.2	108.7	107.6
Delivered Energy Consumption by Fuel													
Electricity													
Space Heating	0.38	0.40	0.41	0.41	0.41	0.41	0.42	0.42	0.42	0.43	0.43	0.43	0.44
Space Cooling	0.63	0.71	0.64	0.66	0.67	0.67	0.68	0.69	0.69	0.70	0.71	0.71	0.72
Water Heating	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
Refrigeration	0.43	0.42	0.41	0.41	0.40	0.39	0.39	0.38	0.38	0.37	0.37	0.37	0.36
Cooking	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12
Clothes Dryers	0.23	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.26	0.26	0.26
Freezers	0.14	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Lighting	0.72	0.75	0.76	0.78	0.79	0.81	0.82	0.84	0.85	0.87	0.88	0.89	0.90
Clothes Washers 1/	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05
Dishwashers 1/	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Color Televisions	0.12	0.12	0.13	0.14	0.15	0.15	0.16	0.17	0.18	0.19	0.19	0.20	0.21
Personal Computers	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.08	0.09	0.09
Furnace Fans	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09
Other Uses 2/	0.79	0.88	0.97	1.01	1.04	1.08	1.12	1.17	1.21	1.26	1.29	1.34	1.37
Delivered Energy	4.10	4.33	4.37	4.44	4.50	4.57	4.65	4.74	4.81	4.89	4.97	5.06	5.12
Natural Gas													
Space Heating	3.39	3.54	3.69	3.74	3.77	3.83	3.88	3.95	3.99	4.04	4.08	4.11	4.11
Space Cooling	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
Water Heating	1.16	1.15	1.15	1.19	1.20	1.22	1.22	1.24	1.25	1.26	1.27	1.27	1.26
Cooking	0.21	0.21	0.21	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.24	0.24	0.24
Clothes Dryers	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09
Other Uses 3/	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11
Delivered Energy	4.92	5.06	5.21	5.33	5.36	5.45	5.52	5.61	5.67	5.74	5.79	5.83	5.82
Distillate													
Space Heating	0.77	0.77	0.81	0.83	0.83	0.83	0.83	0.82	0.82	0.81	0.81	0.80	0.79
Water Heating	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11
Other Uses 4/	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
Delivered Energy	0.90	0.89	0.92	0.95	0.95	0.95	0.95	0.95	0.94	0.93	0.92	0.92	0.91
Liquefied Petroleum Gas													
Space Heating	0.29	0.30	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.30	0.31	0.31

**Table 4. Residential Sector Key Indicators and Consumption
(quadrillion Btu per Year ,Unless Otherwise Noted)**

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Water Heating	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Cooking	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
Other Uses 3/ Delivered Energy	0.14	0.15	0.14	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.20
	0.50	0.53	0.50	0.51	0.52	0.54	0.54	0.55	0.56	0.56	0.57	0.58	0.58
Marketed Renewables (wood) 5/ Other Fuels 6/	0.36	0.39	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
	0.12	0.08	0.10	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12
Delivered Energy Consumption by End-Use													
Space Heating	5.31	5.48	5.70	5.80	5.83	5.90	5.96	6.03	6.06	6.12	6.15	6.19	6.18
Space Cooling	0.63	0.71	0.64	0.66	0.67	0.67	0.68	0.69	0.69	0.70	0.71	0.71	0.72
Water Heating	1.71	1.69	1.68	1.74	1.74	1.76	1.77	1.78	1.79	1.80	1.80	1.81	1.80
Refrigeration	0.43	0.42	0.41	0.41	0.40	0.39	0.39	0.38	0.38	0.37	0.37	0.37	0.36
Cooking	0.34	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.37	0.38	0.38	0.39
Clothes Dryers	0.30	0.31	0.31	0.32	0.32	0.33	0.33	0.34	0.34	0.34	0.35	0.35	0.35
Freezers	0.14	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Lighting	0.72	0.75	0.76	0.78	0.79	0.81	0.82	0.84	0.85	0.87	0.88	0.89	0.90
Clothes Washers	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05
Dishwashers	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Color Televisions	0.12	0.12	0.13	0.14	0.15	0.15	0.16	0.17	0.18	0.19	0.19	0.20	0.21
Personal Computers	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.08	0.09	0.09
Furnace Fans	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09
Other Uses 7/ Delivered Energy	1.02	1.13	1.21	1.26	1.30	1.35	1.40	1.45	1.50	1.55	1.59	1.64	1.68
	10.91	11.28	11.52	11.77	11.87	12.04	12.19	12.38	12.50	12.66	12.78	12.92	12.97
Electricity Related Losses	9.28	9.60	9.69	9.76	9.88	10.01	10.18	10.34	10.36	10.47	10.55	10.67	10.71
Total Energy Consumption by End-Use													
Space Heating	6.16	6.36	6.61	6.70	6.73	6.80	6.87	6.94	6.97	7.03	7.06	7.10	7.09
Space Cooling	2.05	2.29	2.07	2.10	2.13	2.14	2.16	2.18	2.18	2.19	2.20	2.22	2.22
Water Heating	2.57	2.51	2.50	2.55	2.55	2.57	2.58	2.59	2.59	2.59	2.59	2.59	2.57
Refrigeration	1.41	1.37	1.33	1.30	1.27	1.25	1.23	1.21	1.19	1.17	1.15	1.14	1.13
Cooking	0.57	0.57	0.57	0.58	0.59	0.59	0.60	0.61	0.61	0.62	0.62	0.63	0.63
Clothes Dryers	0.83	0.83	0.84	0.85	0.86	0.87	0.88	0.88	0.88	0.89	0.89	0.89	0.89
Freezers	0.45	0.43	0.42	0.41	0.39	0.39	0.38	0.38	0.37	0.37	0.37	0.37	0.36
Lighting	2.34	2.41	2.45	2.49	2.53	2.58	2.63	2.67	2.69	2.72	2.75	2.77	2.79
Clothes Washers	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.12	0.12	0.13	0.13	0.14	0.14
Dishwashers	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09
Color Televisions	0.38	0.40	0.42	0.44	0.47	0.49	0.52	0.54	0.56	0.58	0.60	0.62	0.64
Personal Computers	0.21	0.21	0.20	0.20	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.28	0.29
Furnace Fans	0.24	0.25	0.25	0.25	0.26	0.26	0.27	0.28	0.28	0.28	0.29	0.29	0.29
Other Uses 7/ Total	2.79	3.09	3.36	3.48	3.59	3.72	3.86	4.00	4.11	4.23	4.34	4.46	4.55
	20.18	20.88	21.21	21.53	21.75	22.05	22.37	22.72	22.86	23.13	23.34	23.58	23.68
Non-Marketed Renewables													
Geothermal 8/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Solar 9/ Total	0.04	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	0.04	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04

**Table 4. Residential Sector Key Indicators and Consumption
(quadrillion Btu per Year ,Unless Otherwise Noted)**

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002-2025
Key Indicators													
Households (millions)													
Single-Family	88.47	89.54	90.59	91.63	92.63	93.64	94.65	95.66	96.69	97.71	98.72	99.73	1.3%
Multifamily	32.33	32.60	32.88	33.17	33.47	33.78	34.10	34.42	34.75	35.08	35.42	35.75	0.9%
Mobile Homes	6.61	6.67	6.73	6.78	6.83	6.88	6.94	6.99	7.04	7.08	7.13	7.17	0.6%
Total	127.41	128.81	130.20	131.58	132.94	134.30	135.69	137.07	138.47	139.88	141.27	142.64	1.1%
Average House Square Footage	1751	1756	1760	1764	1768	1772	1776	1779	1783	1787	1790	1794	0.3%
Energy Intensity													
(million Btu per household)													
Delivered Energy Consumption	102.7	102.4	102.5	102.3	102.3	102.2	102.2	101.6	101.5	101.5	101.8	101.5	0.0%
Total Energy Consumption	187.3	186.6	186.7	186.2	186.0	185.8	186.0	184.9	184.8	185.0	185.5	184.9	-0.1%
(thousand Btu per square foot)													
Delivered Energy Consumption	58.6	58.3	58.2	58.0	57.9	57.7	57.5	57.1	56.9	56.8	56.9	56.6	-0.3%
Total Energy Consumption	106.9	106.3	106.1	105.5	105.2	104.9	104.7	103.9	103.6	103.5	103.6	103.1	-0.4%
Delivered Energy Consumption by Fuel													
Electricity													
Space Heating	0.44	0.44	0.44	0.45	0.45	0.45	0.45	0.45	0.46	0.46	0.46	0.46	0.7%
Space Cooling	0.73	0.73	0.74	0.75	0.76	0.77	0.78	0.78	0.79	0.80	0.81	0.82	0.6%
Water Heating	0.37	0.37	0.37	0.37	0.37	0.37	0.36	0.36	0.36	0.36	0.35	0.35	-0.2%
Refrigeration	0.36	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.38	0.38	0.38	-0.5%
Cooking	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	1.1%
Clothes Dryers	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.28	0.28	0.7%
Freezers	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	-0.3%
Lighting	0.91	0.92	0.94	0.95	0.96	0.97	0.98	0.98	1.00	1.01	1.02	1.03	1.4%
Clothes Washers 1/	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	3.2%
Dishwashers 1/	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	1.5%
Color Televisions	0.21	0.22	0.23	0.24	0.24	0.25	0.26	0.26	0.27	0.27	0.27	0.28	3.6%
Personal Computers	0.10	0.10	0.10	0.11	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.14	3.4%
Furnace Fans	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	1.8%
Other Uses 2/	1.41	1.45	1.50	1.53	1.57	1.61	1.65	1.69	1.73	1.78	1.83	1.87	3.3%
Delivered Energy	5.20	5.28	5.37	5.43	5.51	5.59	5.68	5.74	5.82	5.91	6.01	6.08	1.5%
Natural Gas													
Space Heating	4.15	4.18	4.23	4.27	4.32	4.36	4.40	4.41	4.45	4.50	4.57	4.60	1.1%
Space Cooling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.3%
Water Heating	1.26	1.26	1.27	1.27	1.28	1.29	1.29	1.29	1.29	1.30	1.31	1.31	0.6%
Cooking	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	1.2%
Clothes Dryers	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.12	0.12	2.3%
Other Uses 3/	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	1.2%
Delivered Energy	5.86	5.90	5.96	6.02	6.09	6.13	6.18	6.19	6.25	6.31	6.40	6.43	1.0%
Distillate													
Space Heating	0.79	0.78	0.77	0.77	0.76	0.75	0.75	0.74	0.73	0.73	0.72	0.71	-0.4%
Water Heating	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	-1.1%
Other Uses 4/	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
Delivered Energy	0.90	0.89	0.88	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.80	-0.5%
Liquefied Petroleum Gas													
Space Heating	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.2%

**Table 4. Residential Sector Key Indicators and Consumption
(quadrillion Btu per Year ,Unless Otherwise Noted)**

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002-2025
Water Heating	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.0%
Cooking	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.5%
Other Uses 3/ Delivered Energy	0.20	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.24	0.25	0.26	2.4%
	0.59	0.59	0.60	0.61	0.61	0.62	0.63	0.63	0.63	0.64	0.65	0.65	0.9%
Marketed Renewables (wood) 5/	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.2%
Other Fuels 6/	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	1.0%
Delivered Energy Consumption by End-Use													
Space Heating	6.21	6.24	6.29	6.32	6.37	6.40	6.44	6.44	6.47	6.52	6.58	6.60	0.8%
Space Cooling	0.73	0.73	0.74	0.75	0.76	0.77	0.78	0.78	0.79	0.80	0.81	0.82	0.6%
Water Heating	1.79	1.79	1.80	1.80	1.81	1.81	1.81	1.80	1.80	1.81	1.81	1.81	0.3%
Refrigeration	0.36	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.38	0.38	0.38	-0.5%
Cooking	0.39	0.40	0.40	0.40	0.41	0.41	0.42	0.42	0.42	0.43	0.43	0.44	1.1%
Clothes Dryers	0.35	0.36	0.36	0.36	0.37	0.37	0.38	0.38	0.38	0.39	0.39	0.40	1.1%
Freezers	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	-0.3%
Lighting	0.91	0.92	0.94	0.95	0.96	0.97	0.98	0.98	1.00	1.01	1.02	1.03	1.4%
Clothes Washers	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	3.2%
Dishwashers	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	1.5%
Color Televisions	0.21	0.22	0.23	0.24	0.24	0.25	0.26	0.26	0.27	0.27	0.27	0.28	3.6%
Personal Computers	0.10	0.10	0.10	0.11	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.14	3.4%
Furnace Fans	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	1.8%
Other Uses 7/ Delivered Energy	1.73	1.77	1.82	1.86	1.91	1.95	2.00	2.04	2.09	2.14	2.20	2.25	3.0%
	13.08	13.19	13.34	13.46	13.60	13.72	13.86	13.92	14.05	14.20	14.39	14.47	1.1%
Electricity Related Losses	10.78	10.85	10.97	11.04	11.12	11.24	11.37	11.42	11.54	11.67	11.82	11.91	0.9%
Total Energy Consumption by End-Use													
Space Heating	7.12	7.14	7.19	7.23	7.28	7.31	7.35	7.34	7.38	7.42	7.49	7.50	0.7%
Space Cooling	2.23	2.24	2.26	2.27	2.28	2.31	2.33	2.34	2.36	2.38	2.41	2.42	0.2%
Water Heating	2.56	2.55	2.55	2.55	2.55	2.54	2.54	2.52	2.51	2.51	2.51	2.49	0.0%
Refrigeration	1.12	1.11	1.11	1.10	1.10	1.10	1.11	1.11	1.11	1.12	1.12	1.13	-0.8%
Cooking	0.64	0.64	0.65	0.65	0.66	0.66	0.67	0.67	0.68	0.68	0.69	0.69	0.9%
Clothes Dryers	0.89	0.89	0.89	0.90	0.90	0.90	0.91	0.91	0.92	0.93	0.94	0.94	0.6%
Freezers	0.36	0.36	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.37	0.37	-0.6%
Lighting	2.81	2.82	2.85	2.87	2.89	2.91	2.94	2.94	2.97	3.00	3.04	3.05	1.0%
Clothes Washers	0.15	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.19	0.19	2.8%
Dishwashers	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	1.1%
Color Televisions	0.66	0.68	0.70	0.72	0.74	0.76	0.78	0.78	0.79	0.80	0.81	0.82	3.2%
Personal Computers	0.30	0.31	0.32	0.32	0.33	0.34	0.35	0.36	0.38	0.39	0.41	0.42	3.1%
Furnace Fans	0.30	0.30	0.30	0.31	0.31	0.31	0.32	0.32	0.33	0.33	0.33	0.34	1.4%
Other Uses 7/ Total	4.66	4.76	4.88	4.97	5.08	5.19	5.31	5.40	5.52	5.65	5.79	5.91	2.9%
	23.86	24.04	24.31	24.50	24.73	24.96	25.23	25.34	25.59	25.87	26.21	26.38	1.0%
Non-Marketed Renewables													
Geothermal 8/	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	9.4%
Solar 9/	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	2.5%
Total	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	3.4%

**Table 4. Residential Sector Key Indicators and Consumption
(quadrillion Btu per Year ,Unless Otherwise Noted)**

1/ Does not include electric water heating portion of load.

2/ Includes small electric devices, heating elements, and motors.

3/ Includes such appliances as swimming pool heaters, outdoor grills, and outdoor lighting (natural gas).

4/ Includes such appliances as swimming pool and hot tub heaters.

5/ Includes wood used for primary and secondary heating in wood stoves or fireplaces as reported in the Residential Energy Consumption Survey 2001.

6/ Includes kerosene and coal.

7/ Includes all other uses listed above.

8/ Includes primary energy displaced by geothermal heat pumps in space heating and cooling applications.

9/ Includes primary energy displaced by solar thermal water heaters and electricity generated using photovoltaics.

N/A = Not applicable.

Btu = British thermal unit.

Note: Totals may not equal sum of components due to independent rounding. Data for 2001 and 2002 are model results and may differ slightly from official EIA data reports.

Source: 2001 and 2002: Energy Information Administration (EIA), Annual Energy Review 2002, DOE/EIA-0384(2002) (Washington, DC, October 2003). Projections: EIA, AEO2004 National Energy Modeling System run HM2004.D101703A.

Table 5. Commercial Sector Key Indicators and Consumption (Quadrillion Btu per Year, Unless Otherwise Noted)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Key Indicators											
Total Floorspace (billion square feet)											
Surviving	67.2	68.9	70.7	72.8	74.7	76.2	77.6	78.9	80.3	81.8	83.3
New Additions	3.1	3.2	3.4	3.2	2.9	2.8	2.7	2.8	2.9	3.0	3.0
Total	70.2	72.1	74.1	76.0	77.6	79.0	80.3	81.7	83.2	84.8	86.3
Energy Consumption Intensity (thousand Btu per square foot)											
Delivered Energy Consumption	118.8	114.5	113.8	112.0	112.6	113.4	114.0	114.4	114.8	115.3	115.5
Electricity Related Losses	131.5	126.9	123.7	123.5	124.8	125.9	127.3	128.0	127.5	127.7	127.8
Total Energy Consumption	250.3	241.4	237.5	235.5	237.4	239.3	241.3	242.4	242.4	243.0	243.2
Delivered Energy Consumption by Fuel											
Purchased Electricity											
Space Heating 1/	0.14	0.15	0.16	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16
Space Cooling 1/	0.41	0.46	0.42	0.42	0.43	0.43	0.43	0.44	0.44	0.45	0.45
Water Heating 1/	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15
Ventilation	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.18
Cooking	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Lighting	1.10	1.12	1.14	1.17	1.19	1.22	1.24	1.25	1.27	1.29	1.31
Refrigeration	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.22	0.22	0.22	0.23
Office Equipment (PC)	0.14	0.14	0.15	0.17	0.19	0.20	0.21	0.22	0.23	0.24	0.25
Office Equipment (non-PC)	0.30	0.31	0.32	0.34	0.36	0.38	0.40	0.42	0.44	0.47	0.49
Other Uses 2/	1.45	1.41	1.41	1.47	1.54	1.60	1.66	1.73	1.80	1.87	1.95
Delivered Energy	4.09	4.12	4.14	4.27	4.41	4.54	4.67	4.79	4.92	5.06	5.20
Natural Gas											
Space Heating 1/	1.33	1.42	1.49	1.46	1.48	1.50	1.52	1.53	1.55	1.57	1.58
Space Cooling 1/	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02
Water Heating 1/	0.57	0.59	0.59	0.61	0.62	0.64	0.65	0.67	0.68	0.70	0.71
Cooking	0.25	0.26	0.26	0.27	0.27	0.28	0.28	0.29	0.30	0.31	0.31
Other Uses 3/	1.17	0.93	0.90	0.85	0.87	0.90	0.93	0.95	0.97	1.00	1.02
Delivered Energy	3.33	3.21	3.25	3.20	3.26	3.34	3.40	3.45	3.52	3.59	3.64
Distillate											
Space Heating 1/	0.17	0.17	0.20	0.20	0.21	0.22	0.23	0.23	0.24	0.25	0.25
Water Heating 1/	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Other Uses 4/	0.25	0.24	0.30	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.29
Delivered Energy	0.49	0.49	0.57	0.56	0.58	0.59	0.60	0.61	0.62	0.63	0.63
Other Fuels 5/	0.35	0.33	0.37	0.39	0.39	0.39	0.39	0.39	0.39	0.40	0.40

Table 5. Commercial Sector Key Indicators and Consumption (Quadrillion Btu per Year, Unless Otherwise Noted)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Marketed Renewable Fuels											
Biomass	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Delivered Energy	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Delivered Energy Consumption by End-Use											
Space Heating 1/	1.64	1.74	1.84	1.82	1.84	1.88	1.90	1.92	1.95	1.97	1.99
Space Cooling 1/	0.43	0.48	0.43	0.43	0.44	0.44	0.45	0.46	0.46	0.47	0.47
Water Heating 1/	0.78	0.80	0.81	0.82	0.84	0.86	0.88	0.89	0.91	0.93	0.94
Ventilation	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.18
Cooking	0.29	0.29	0.30	0.30	0.30	0.31	0.31	0.32	0.33	0.34	0.34
Lighting	1.10	1.12	1.14	1.17	1.19	1.22	1.24	1.25	1.27	1.29	1.31
Refrigeration	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.22	0.22	0.22	0.23
Office Equipment (PC)	0.14	0.14	0.15	0.17	0.19	0.20	0.21	0.22	0.23	0.24	0.25
Office Equipment (non-PC)	0.30	0.31	0.32	0.34	0.36	0.38	0.40	0.42	0.44	0.47	0.49
Other Uses 6/	3.31	3.01	3.08	3.09	3.19	3.29	3.38	3.46	3.56	3.66	3.76
Delivered Energy	8.34	8.25	8.44	8.52	8.74	8.96	9.16	9.35	9.55	9.77	9.97
Electricity Related Losses	9.24	9.15	9.17	9.39	9.68	9.95	10.22	10.46	10.61	10.83	11.03
Total Energy Consumption by End-Use											
Space Heating 1/	1.97	2.07	2.19	2.15	2.18	2.22	2.24	2.27	2.29	2.31	2.32
Space Cooling 1/	1.36	1.51	1.36	1.35	1.37	1.39	1.40	1.41	1.42	1.42	1.43
Water Heating 1/	1.10	1.11	1.12	1.13	1.15	1.18	1.20	1.21	1.23	1.24	1.26
Ventilation	0.53	0.52	0.53	0.53	0.54	0.54	0.55	0.55	0.55	0.55	0.55
Cooking	0.36	0.36	0.37	0.37	0.37	0.38	0.38	0.39	0.39	0.40	0.41
Lighting	3.58	3.60	3.67	3.74	3.81	3.88	3.94	3.99	4.01	4.05	4.09
Refrigeration	0.65	0.65	0.66	0.67	0.67	0.68	0.68	0.69	0.69	0.70	0.71
Office Equipment (PC)	0.46	0.44	0.49	0.55	0.61	0.65	0.68	0.71	0.74	0.77	0.80
Office Equipment (non-PC)	0.99	1.00	1.02	1.08	1.14	1.21	1.28	1.34	1.40	1.47	1.54
Other Uses 6/	6.59	6.14	6.21	6.33	6.57	6.79	7.02	7.24	7.43	7.67	7.90
Total	17.58	17.40	17.61	17.90	18.42	18.91	19.38	19.81	20.16	20.60	21.00
Non-Marketed Renewable Fuels											
Solar 7/	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Total	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

Table 5. Commercial Sector Key Indicators and Consumption (Quadrillion Btu per Year, Unless Otherwise Noted)

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Key Indicators											
Total Floorspace (billion square feet)											
Surviving	84.9	86.4	87.9	89.3	90.7	92.0	93.4	94.8	96.2	97.6	99.0
New Additions	3.0	3.0	2.9	2.9	2.9	2.9	3.0	3.0	3.1	3.0	3.0
Total	87.9	89.4	90.8	92.2	93.6	95.0	96.4	97.8	99.3	100.7	102.0
Energy Consumption Intensity (thousand Btu per square foot)											
Delivered Energy Consumption	115.3	115.2	115.3	115.3	115.4	115.8	116.2	116.5	116.5	116.7	116.9
Electricity Related Losses	127.8	127.8	127.5	127.3	127.3	127.5	127.6	128.0	128.2	128.2	128.6
Total Energy Consumption	243.1	242.9	242.8	242.6	242.7	243.3	243.8	244.4	244.8	244.9	245.5
Delivered Energy Consumption by Fuel											
Purchased Electricity											
Space Heating 1/	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Space Cooling 1/	0.45	0.46	0.46	0.46	0.47	0.47	0.48	0.48	0.48	0.49	0.49
Water Heating 1/	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Ventilation	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19
Cooking	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Lighting	1.32	1.34	1.34	1.35	1.35	1.36	1.37	1.38	1.39	1.40	1.40
Refrigeration	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.25	0.25	0.25
Office Equipment (PC)	0.26	0.27	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.36	0.36
Office Equipment (non-PC)	0.52	0.55	0.57	0.59	0.62	0.65	0.68	0.71	0.74	0.77	0.80
Other Uses 2/	2.02	2.10	2.18	2.25	2.32	2.40	2.47	2.55	2.63	2.71	2.79
Delivered Energy	5.33	5.46	5.58	5.71	5.83	5.96	6.09	6.23	6.36	6.49	6.62
Natural Gas											
Space Heating 1/	1.58	1.58	1.59	1.59	1.60	1.62	1.64	1.65	1.66	1.66	1.67
Space Cooling 1/	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03
Water Heating 1/	0.72	0.72	0.73	0.74	0.75	0.77	0.78	0.79	0.80	0.81	0.82
Cooking	0.31	0.32	0.32	0.32	0.32	0.33	0.34	0.34	0.35	0.35	0.35
Other Uses 3/	1.04	1.05	1.07	1.09	1.10	1.13	1.15	1.17	1.19	1.21	1.23
Delivered Energy	3.67	3.69	3.74	3.77	3.80	3.87	3.93	3.98	4.02	4.06	4.11
Distillate											
Space Heating 1/	0.26	0.27	0.27	0.28	0.29	0.29	0.30	0.30	0.31	0.32	0.32
Water Heating 1/	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Other Uses 4/	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
Delivered Energy	0.64	0.65	0.65	0.66	0.67	0.67	0.68	0.68	0.69	0.70	0.71
Other Fuels 5/	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40

Table 5. Commercial Sector Key Indicators and Consumption (Quadrillion Btu per Year, Unless Otherwise Noted)

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Marketed Renewable Fuels											
Biomass	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Delivered Energy	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Delivered Energy Consumption by End-Use											
Space Heating 1/	2.00	2.00	2.02	2.03	2.05	2.07	2.09	2.11	2.12	2.14	2.15
Space Cooling 1/	0.48	0.48	0.48	0.49	0.49	0.50	0.50	0.51	0.51	0.52	0.52
Water Heating 1/	0.95	0.96	0.97	0.98	0.99	1.01	1.02	1.03	1.04	1.05	1.06
Ventilation	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19
Cooking	0.34	0.35	0.35	0.35	0.35	0.36	0.37	0.37	0.38	0.38	0.38
Lighting	1.32	1.34	1.34	1.35	1.35	1.36	1.37	1.38	1.39	1.40	1.40
Refrigeration	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.25	0.25	0.25
Office Equipment (PC)	0.26	0.27	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.36	0.36
Office Equipment (non-PC)	0.52	0.55	0.57	0.59	0.62	0.65	0.68	0.71	0.74	0.77	0.80
Other Uses 6/	3.86	3.94	4.04	4.13	4.22	4.32	4.42	4.52	4.61	4.71	4.81
Delivered Energy	10.14	10.30	10.47	10.63	10.80	11.00	11.20	11.39	11.57	11.75	11.93
Electricity Related Losses	11.23	11.42	11.58	11.73	11.91	12.10	12.30	12.52	12.73	12.91	13.12
Total Energy Consumption by End-Use											
Space Heating 1/	2.33	2.33	2.35	2.36	2.37	2.39	2.41	2.43	2.44	2.45	2.47
Space Cooling 1/	1.43	1.44	1.44	1.44	1.45	1.46	1.47	1.48	1.48	1.49	1.49
Water Heating 1/	1.26	1.27	1.28	1.28	1.29	1.31	1.32	1.33	1.34	1.35	1.36
Ventilation	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.56	0.56	0.56	0.56
Cooking	0.41	0.41	0.41	0.41	0.41	0.42	0.42	0.43	0.43	0.44	0.44
Lighting	4.11	4.13	4.13	4.12	4.12	4.13	4.14	4.16	4.17	4.17	4.18
Refrigeration	0.71	0.72	0.71	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.74
Office Equipment (PC)	0.82	0.85	0.88	0.90	0.94	0.97	1.00	1.03	1.05	1.07	1.09
Office Equipment (non-PC)	1.61	1.69	1.75	1.82	1.89	1.96	2.04	2.12	2.21	2.29	2.39
Other Uses 6/	8.12	8.34	8.55	8.77	8.97	9.19	9.41	9.65	9.88	10.10	10.34
Total	21.37	21.72	22.05	22.36	22.71	23.10	23.50	23.92	24.30	24.66	25.05
Non-Marketed Renewable Fuels											
Solar 7/	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Total	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

Table 5. Commercial Sector Key Indicators and Consumption (Quadrillion Btu per Year, Unless Otherwise Noted)

	2023	2024	2025	2002- 2025
Key Indicators				
Total Floorspace (billion square feet)				
Surviving	100.4	101.7	103.1	1.8%
New Additions	3.1	3.1	3.3	0.1%
Total	103.4	104.8	106.4	1.7%
Energy Consumption Intensity (thousand Btu per square foot)				
Delivered Energy Consumption	117.3	117.7	117.9	0.1%
Electricity Related Losses	128.9	129.0	129.4	0.1%
Total Energy Consumption	246.2	246.7	247.3	0.1%
Delivered Energy Consumption by Fuel				
Purchased Electricity				
Space Heating 1/	0.16	0.16	0.16	0.2%
Space Cooling 1/	0.49	0.50	0.50	0.3%
Water Heating 1/	0.15	0.15	0.15	0.3%
Ventilation	0.19	0.19	0.19	0.8%
Cooking	0.03	0.03	0.03	-0.7%
Lighting	1.41	1.42	1.42	1.1%
Refrigeration	0.25	0.25	0.25	1.0%
Office Equipment (PC)	0.37	0.38	0.38	4.6%
Office Equipment (non-PC)	0.83	0.87	0.91	4.8%
Other Uses 2/	2.86	2.94	3.03	3.4%
Delivered Energy	6.75	6.88	7.03	2.3%
Natural Gas				
Space Heating 1/	1.69	1.71	1.72	0.8%
Space Cooling 1/	0.03	0.03	0.03	4.0%
Water Heating 1/	0.83	0.84	0.85	1.6%
Cooking	0.36	0.36	0.37	1.5%
Other Uses 3/	1.26	1.30	1.33	1.6%
Delivered Energy	4.17	4.24	4.30	1.3%
Distillate				
Space Heating 1/	0.33	0.33	0.33	2.9%
Water Heating 1/	0.09	0.09	0.09	1.1%
Other Uses 4/	0.29	0.29	0.29	0.8%
Delivered Energy	0.71	0.72	0.72	1.7%
Other Fuels 5/	0.40	0.40	0.40	0.8%

Table 5. Commercial Sector Key Indicators and Consumption (Quadrillion Btu per Year, Unless Otherwise Noted)

	2023	2024	2025	2002-2025
Marketed Renewable Fuels				
Biomass	0.10	0.10	0.10	0.0%
Delivered Energy	0.10	0.10	0.10	0.0%
Delivered Energy Consumption by End-Use				
Space Heating 1/	2.17	2.20	2.21	1.1%
Space Cooling 1/	0.52	0.53	0.53	0.5%
Water Heating 1/	1.07	1.08	1.09	1.4%
Ventilation	0.19	0.19	0.19	0.8%
Cooking	0.38	0.39	0.39	1.3%
Lighting	1.41	1.42	1.42	1.1%
Refrigeration	0.25	0.25	0.25	1.0%
Office Equipment (PC)	0.37	0.38	0.38	4.6%
Office Equipment (non-PC)	0.83	0.87	0.91	4.8%
Other Uses 6/	4.92	5.04	5.15	2.4%
Delivered Energy	12.13	12.34	12.54	1.8%
Electricity Related Losses	13.33	13.53	13.77	1.8%
Total Energy Consumption by End-Use				
Space Heating 1/	2.48	2.51	2.52	0.9%
Space Cooling 1/	1.50	1.50	1.51	0.0%
Water Heating 1/	1.37	1.38	1.39	1.0%
Ventilation	0.57	0.57	0.57	0.4%
Cooking	0.44	0.44	0.45	0.9%
Lighting	4.19	4.20	4.21	0.7%
Refrigeration	0.75	0.75	0.75	0.6%
Office Equipment (PC)	1.10	1.12	1.14	4.2%
Office Equipment (non-PC)	2.48	2.58	2.69	4.4%
Other Uses 6/	10.58	10.82	11.08	2.6%
Total	25.46	25.87	26.31	1.8%
Non-Marketed Renewable Fuels				
Solar 7/	0.03	0.03	0.04	1.8%
Total	0.03	0.03	0.04	1.8%

Table 5. Commercial Sector Key Indicators and Consumption (Quadrillion Btu per Year, Unless Otherwise Noted)

1/ Includes fuel consumption for district services.

2/ Includes miscellaneous uses, such as service station equipment, automated teller machines, telecommunications equipment, and medical equipment.

3/ Includes miscellaneous uses, such as pumps, emergency electric generators, combined heat and power in commercial buildings, and manufacturing performed in commercial buildings.

4/ Includes miscellaneous uses, such as cooking, emergency electric generators, and combined heat and power in commercial buildings.

5/ Includes residual fuel oil, liquefied petroleum gas, coal, motor gasoline, and kerosene.

6/ Includes miscellaneous uses, such as service station equipment, automated teller machines, telecommunications equipment, medical equipment, pumps, emergency electric generators, combined heat and power in commercial buildings, manufacturing performed in commercial buildings, and cooking (distillate), plus residual fuel oil, liquefied petroleum gas, coal, motor gasoline, and kerosene.

7/ Includes primary energy displaced by solar thermal space heating and water heating, and electricity generation by solar photovoltaic systems.

N/A = Not applicable.

Btu = British thermal unit.

PC = Personal computer.

Note: Totals may not equal sum of components due to independent rounding. Data for 2001 and 2002 are model results and may differ slightly from official EIA data reports.

Source: 2001 and 2002: Energy Information Administration (EIA), Annual Energy Review 2002, DOE/EIA-0384(2002) (Washington, DC, October 2003). Projections: EIA, AEO2004 National Energy Modeling System run HM2004.D101703A.

Table 6. Industrial Sector Key Indicators and Consumption

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Value of Shipments (billion 1996 dollars)														
Manufacturing	4059	4064	4043	4304	4515	4705	4882	5044	5221	5399	5586	5773	5975	6169
Nonmanufacturing	1309	1222	1184	1262	1328	1386	1434	1484	1545	1587	1619	1646	1703	1743
Total	5368	5285	5227	5566	5842	6091	6316	6529	6765	6986	7204	7420	7678	7912
Energy Prices (2002 dollars per million Btu)														
Distillate Oil	6.62	6.21	6.87	6.27	5.82	5.78	5.78	5.75	5.80	5.79	5.87	5.92	5.97	6.02
Liquefied Petroleum Gas	12.48	8.28	10.56	10.33	9.38	9.48	9.62	9.83	9.92	10.00	10.28	10.34	10.44	10.52
Residual Oil	3.31	3.89	4.60	3.82	3.63	3.66	3.70	3.74	3.79	3.83	3.87	3.91	3.95	3.98
Motor Gasoline	11.70	11.04	12.21	11.14	11.75	11.85	11.95	12.06	12.12	12.14	12.17	12.16	12.12	12.11
Natural Gas	4.91	3.75	5.60	4.54	4.24	4.19	4.24	4.32	4.23	4.28	4.47	4.75	4.86	4.97
Metallurgical Coal	1.71	1.87	2.03	2.05	2.02	2.02	2.00	2.01	2.01	2.01	2.00	1.98	1.97	1.96
Steam Coal	1.51	1.52	1.63	1.64	1.61	1.63	1.63	1.64	1.64	1.64	1.64	1.62	1.62	1.61
Electricity	15.11	14.74	13.96	13.92	13.74	13.71	13.69	13.87	14.09	14.11	14.07	14.43	14.49	14.47
Energy Consumption 1/ (quadrillion Btu)														
Distillate	1.21	1.16	1.17	1.16	1.18	1.20	1.21	1.22	1.22	1.25	1.28	1.30	1.34	1.36
Liquefied Petroleum Gas	2.10	2.22	2.12	2.20	2.28	2.33	2.39	2.44	2.47	2.52	2.59	2.66	2.75	2.79
Petrochemical Feedstocks	1.16	1.22	1.27	1.31	1.34	1.37	1.39	1.41	1.42	1.44	1.48	1.52	1.56	1.58
Residual Fuel	0.15	0.20	0.21	0.21	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.24	0.23
Other Petroleum 2/	4.42	4.19	4.21	4.21	4.55	4.67	4.73	4.79	4.79	4.80	4.81	4.88	5.01	5.12
Petroleum Subtotal	9.04	9.00	8.98	9.09	9.56	9.78	9.93	10.08	10.12	10.23	10.38	10.59	10.90	11.09
Natural Gas	7.56	7.43	7.41	7.87	8.10	8.30	8.48	8.62	8.86	9.11	9.35	9.49	9.63	9.77
Lease and Plant Fuel 3/	1.12	1.35	1.03	1.02	1.09	1.16	1.22	1.29	1.35	1.44	1.46	1.49	1.49	1.51
Natural Gas Subtotal	8.67	8.78	8.44	8.90	9.19	9.46	9.70	9.91	10.21	10.55	10.80	10.97	11.12	11.28
Metallurgical Coal & Coke 4/	0.74	0.65	0.70	0.71	0.71	0.70	0.69	0.68	0.68	0.66	0.65	0.63	0.62	0.60
Steam Coal	1.51	1.47	1.40	1.41	1.43	1.43	1.44	1.44	1.44	1.45	1.46	1.47	1.48	1.49
Coal Subtotal	2.25	2.12	2.11	2.12	2.13	2.13	2.13	2.12	2.12	2.11	2.11	2.10	2.10	2.09
Renewables 5/	1.64	1.66	1.66	1.75	1.83	1.90	1.94	1.99	2.06	2.13	2.20	2.27	2.35	2.42
Purchased Electricity	3.29	3.39	3.34	3.49	3.62	3.74	3.83	3.92	4.01	4.10	4.19	4.29	4.40	4.48
Delivered Energy	24.89	24.94	24.52	25.35	26.34	27.01	27.54	28.03	28.52	29.12	29.68	30.23	30.87	31.36
Electricity Related Losses	7.44	7.53	7.39	7.67	7.95	8.18	8.40	8.55	8.63	8.76	8.90	9.04	9.21	9.29
Total	32.33	32.47	31.91	33.01	34.29	35.19	35.93	36.59	37.15	37.88	38.58	39.27	40.08	40.64
Energy Consumption per dollar of Shipments 1/ (thousand Btu per 1996 dollar)														
Distillate	0.23	0.22	0.22	0.21	0.20	0.20	0.19	0.19	0.18	0.18	0.18	0.18	0.17	0.17
Liquefied Petroleum Gas	0.39	0.42	0.40	0.40	0.39	0.38	0.38	0.37	0.37	0.36	0.36	0.36	0.36	0.35
Petrochemical Feedstocks	0.22	0.23	0.24	0.23	0.23	0.22	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.20
Residual Fuel	0.03	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
Other Petroleum 2/	0.82	0.79	0.81	0.76	0.78	0.77	0.75	0.73	0.71	0.69	0.67	0.66	0.65	0.65
Petroleum Subtotal	1.68	1.70	1.72	1.63	1.64	1.61	1.57	1.54	1.50	1.46	1.44	1.43	1.42	1.40
Natural Gas	1.41	1.41	1.42	1.41	1.39	1.36	1.34	1.32	1.31	1.30	1.30	1.28	1.25	1.24
Lease and Plant Fuel 3/	0.21	0.26	0.20	0.18	0.19	0.19	0.20	0.20	0.20	0.21	0.20	0.20	0.19	0.19
Natural Gas Subtotal	1.62	1.66	1.61	1.60	1.57	1.55	1.54	1.52	1.51	1.51	1.50	1.48	1.45	1.43
Metallurgical Coal & Coke 4/	0.14	0.12	0.13	0.13	0.12	0.11	0.11	0.10	0.10	0.09	0.09	0.09	0.08	0.08
Steam Coal	0.28	0.28	0.27	0.25	0.24	0.24	0.23	0.22	0.21	0.21	0.20	0.20	0.19	0.19
Coal Subtotal	0.42	0.40	0.40	0.38	0.37	0.35	0.34	0.32	0.31	0.30	0.29	0.28	0.27	0.26
Renewables 5/	0.30	0.31	0.32	0.31	0.31	0.31	0.31	0.31	0.30	0.30	0.31	0.31	0.31	0.31
Purchased Electricity	0.61	0.64	0.64	0.63	0.62	0.61	0.61	0.60	0.59	0.59	0.58	0.58	0.57	0.57
Delivered Energy	4.64	4.72	4.69	4.55	4.51	4.43	4.36	4.29	4.22	4.17	4.12	4.07	4.02	3.96
Electricity Related Losses	1.39	1.42	1.41	1.38	1.36	1.34	1.33	1.31	1.28	1.25	1.24	1.22	1.20	1.17
Total	6.02	6.14	6.10	5.93	5.87	5.78	5.69	5.60	5.49	5.42	5.36	5.29	5.22	5.14

Table 6. Industrial Sector Key Indicators and Consumption

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002-2025
Value of Shipments												
(billion 1996 dollars)												
Manufacturing	6383	6620	6884	7137	7341	7582	7805	8064	8337	8618	8962	3.5%
Nonmanufacturing	1769	1799	1835	1880	1905	1955	1993	2049	2107	2153	2204	2.6%
Total	8153	8419	8718	9017	9246	9537	9798	10114	10444	10771	11166	3.3%
Energy Prices												
(2002 dollars per million Btu)												
Distillate Oil	6.15	6.27	6.31	6.36	6.40	6.47	6.53	6.57	6.62	6.70	6.88	0.4%
Liquefied Petroleum Gas	10.59	10.73	10.80	10.97	11.09	11.18	11.41	11.61	11.69	11.76	12.11	1.7%
Residual Oil	4.02	4.05	4.09	4.14	4.19	4.22	4.26	4.30	4.33	4.36	4.41	0.5%
Motor Gasoline	12.16	12.18	12.18	11.93	12.22	12.31	12.36	12.42	12.46	12.49	12.54	0.6%
Natural Gas	5.21	5.15	5.01	5.05	5.23	5.34	5.49	5.44	5.39	5.37	5.54	1.7%
Metallurgical Coal	1.96	1.95	1.94	1.94	1.92	1.90	1.88	1.87	1.86	1.85	1.84	-0.1%
Steam Coal	1.61	1.60	1.60	1.60	1.60	1.60	1.62	1.64	1.64	1.64	1.65	0.4%
Electricity	14.70	14.74	14.66	14.81	14.82	15.03	15.03	14.98	14.86	14.94	15.09	0.1%
Energy Consumption 1/												
(quadrillion Btu)												
Distillate	1.38	1.40	1.41	1.44	1.46	1.49	1.51	1.54	1.57	1.59	1.62	1.5%
Liquefied Petroleum Gas	2.85	2.92	2.99	3.06	3.12	3.20	3.25	3.32	3.38	3.45	3.53	2.0%
Petrochemical Feedstocks	1.61	1.65	1.69	1.73	1.76	1.79	1.82	1.85	1.89	1.92	1.95	2.1%
Residual Fuel	0.24	0.24	0.23	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.25	1.0%
Other Petroleum 2/	5.18	5.23	5.31	5.43	5.50	5.58	5.64	5.73	5.79	5.84	5.89	1.5%
Petroleum Subtotal	11.25	11.43	11.64	11.89	12.08	12.30	12.47	12.68	12.87	13.04	13.25	1.7%
Natural Gas	9.90	10.09	10.38	10.60	10.74	10.93	11.08	11.29	11.53	11.78	12.02	2.1%
Lease and Plant Fuel 3/	1.53	1.57	1.64	1.69	1.71	1.72	1.71	1.72	1.72	1.75	1.75	1.1%
Natural Gas Subtotal	11.43	11.65	12.02	12.29	12.46	12.65	12.79	13.00	13.25	13.53	13.77	2.0%
Metallurgical Coal & Coke 4/	0.59	0.58	0.57	0.56	0.55	0.54	0.52	0.52	0.51	0.50	0.49	-1.2%
Steam Coal	1.49	1.49	1.50	1.51	1.51	1.52	1.52	1.53	1.54	1.58	1.62	0.4%
Coal Subtotal	2.08	2.07	2.07	2.07	2.06	2.05	2.05	2.05	2.05	2.08	2.11	0.0%
Renewables 5/	2.48	2.54	2.61	2.68	2.73	2.79	2.84	2.89	2.95	3.01	3.08	2.7%
Purchased Electricity	4.56	4.66	4.77	4.87	4.96	5.06	5.15	5.26	5.37	5.49	5.63	2.2%
Delivered Energy	31.80	32.36	33.11	33.80	34.28	34.85	35.30	35.87	36.50	37.14	37.85	1.8%
Electricity Related Losses	9.37	9.52	9.69	9.84	9.97	10.13	10.25	10.42	10.61	10.78	11.03	1.7%
Total	41.17	41.88	42.80	43.64	44.25	44.98	45.55	46.30	47.11	47.93	48.88	1.8%
Energy Consumption per dollar of Shipments 1/												
(thousand Btu per 1996 dollar)												
Distillate	0.17	0.17	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	-1.8%
Liquefied Petroleum Gas	0.35	0.35	0.34	0.34	0.34	0.34	0.33	0.33	0.32	0.32	0.32	-1.2%
Petrochemical Feedstocks	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.17	-1.2%
Residual Fuel	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	-2.3%
Other Petroleum 2/	0.63	0.62	0.61	0.60	0.60	0.59	0.58	0.57	0.55	0.54	0.53	-1.8%
Petroleum Subtotal	1.38	1.36	1.34	1.32	1.31	1.29	1.27	1.25	1.23	1.21	1.19	-1.6%
Natural Gas	1.21	1.20	1.19	1.18	1.16	1.15	1.13	1.12	1.10	1.09	1.08	-1.2%
Lease and Plant Fuel 3/	0.19	0.19	0.19	0.19	0.19	0.18	0.17	0.17	0.16	0.16	0.16	-2.1%
Natural Gas Subtotal	1.40	1.38	1.38	1.36	1.35	1.33	1.31	1.29	1.27	1.26	1.23	-1.3%
Metallurgical Coal & Coke 4/	0.07	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.04	-4.3%
Steam Coal	0.18	0.18	0.17	0.17	0.16	0.16	0.16	0.15	0.15	0.15	0.14	-2.8%
Coal Subtotal	0.26	0.25	0.24	0.23	0.22	0.22	0.21	0.20	0.20	0.19	0.19	-3.2%
Renewables 5/	0.30	0.30	0.30	0.30	0.30	0.29	0.29	0.29	0.28	0.28	0.28	-0.5%
Purchased Electricity	0.56	0.55	0.55	0.54	0.54	0.53	0.53	0.52	0.51	0.51	0.50	-1.0%
Delivered Energy	3.90	3.84	3.80	3.75	3.71	3.65	3.60	3.55	3.49	3.45	3.39	-1.4%
Electricity Related Losses	1.15	1.13	1.11	1.09	1.08	1.06	1.05	1.03	1.02	1.00	0.99	-1.6%
Total	5.05	4.97	4.91	4.84	4.79	4.72	4.65	4.58	4.51	4.45	4.38	-1.5%

Table 6. Industrial Sector Key Indicators and Consumption

1/ Fuel consumption includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.

2/ Includes petroleum coke, asphalt, road oil, lubricants, motor gasoline, still gas, and miscellaneous petroleum products.

3/ Represents natural gas used in the field gathering and processing plant machinery.

4/ Includes net coke coal imports.

5/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass.

Btu = British thermal unit.

Note: Totals may not equal sum of components due to independent rounding. Data for 2001 and 2002 are model results and may differ slightly from official EIA data reports.

Sources: 2001 prices for motor gasoline and distillate are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2001,

http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_marketing_annual/pma_historical.html (September 2002). 2002 prices for motor gasoline and distillate are based on: EIA, Petroleum Marketing Annual 2002, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (August 2003). 2001 and 2002 coal prices are based on EIA, Quarterly Coal Report, October-December 2002, DOE/EIA-0340(2002/4Q) (Washington, DC), March 2003 and EIA, AEO2004 National Energy Modeling System run HM2004.D101703A. 2001 and 2002 electricity prices: Annual Energy Review 2002, DOE/EIA-0384(2002) (Washington, DC, October 2003). 2001 and 2002 natural gas prices based on: EIA, Manufacturing Energy Consumption Survey 1998. 2001 and 2002 consumption values based on: Annual Energy Review 2002, DOE/EIA-0384(2002) (Washington, DC, October 2003). 2001 and 2002 shipments: Global Insight macroeconomic model T250803. Projections: EIA, AEO2004 National Energy Modeling System run HM2004.D101703A.

Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Key Indicators													
Level of Travel (billions)													
Light-Duty Vehicles <8500 lbs. (VMT)	2485	2504	2552	2652	2718	2793	2869	2945	3025	3108	3189	3275	3366
Commercial Light Trucks (VMT) 1/	64	65	65	68	71	74	76	79	81	84	86	89	92
Freight Trucks >10000 lbs. (VMT)	201	196	197	209	219	227	235	242	250	259	268	277	287
Air (seat miles available)	953	909	906	929	956	988	1019	1060	1100	1148	1190	1231	1264
Rail (ton miles traveled)	1417	1336	1335	1383	1427	1477	1513	1542	1576	1610	1660	1692	1730
Domestic Shipping (ton miles traveled)	774	724	720	744	766	786	804	818	832	848	861	877	894
Energy Efficiency													
New Light-Duty Vehicle (MPG) 2/	24.0	23.8	24.0	24.0	24.1	24.8	25.2	24.9	25.1	25.3	25.4	25.6	25.8
New Car (MPG) 2/	28.2	28.2	28.5	28.5	28.3	28.5	28.4	28.2	28.4	28.8	29.0	29.4	29.6
New Light Truck (MPG) 2/	20.5	20.5	20.6	20.8	21.1	22.0	22.8	22.6	22.6	22.8	22.9	23.1	23.3
Light-Duty Fleet (MPG) 3/	19.8	19.7	19.6	19.5	19.5	19.5	19.5	19.5	19.6	19.6	19.7	19.7	19.8
New Commercial Light Truck (MPG) 1/	13.9	13.9	14.0	13.9	14.0	14.7	15.2	15.0	15.1	15.1	15.2	15.4	15.4
Stock Commercial Light Truck (MPG) 1/	13.7	13.8	13.9	13.9	13.9	14.0	14.2	14.3	14.4	14.5	14.6	14.7	14.8
Aircraft (seat miles per gallon)	55.3	54.8	56.7	57.1	57.6	58.0	58.5	59.0	59.6	60.3	61.1	61.8	62.5
Freight Truck (MPG)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Rail (ton miles/thousand Btu)	2.8	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.2	3.2
Domestic Shipping (ton miles per thousand Btu)	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Energy Use by Mode													
quadrillion Btu													
Light-Duty Vehicles	15.16	15.58	15.91	16.56	17.02	17.49	17.94	18.39	18.86	19.32	19.76	20.21	20.68
Commercial Light Trucks 1/	0.58	0.59	0.58	0.62	0.64	0.66	0.67	0.69	0.71	0.72	0.74	0.76	0.78
Bus Transportation	0.25	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26
Freight Trucks	4.22	4.09	4.11	4.34	4.55	4.72	4.88	5.04	5.21	5.40	5.58	5.75	5.93
Rail, Passenger	0.11	0.11	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.14	0.14	0.14
Rail, Freight	0.50	0.47	0.46	0.48	0.49	0.50	0.50	0.51	0.52	0.52	0.53	0.54	0.54
Shipping, Domestic	0.34	0.32	0.31	0.32	0.33	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.38
Shipping, International	0.77	0.64	0.71	0.71	0.71	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
Recreational Boats	0.30	0.31	0.31	0.32	0.32	0.33	0.33	0.34	0.34	0.34	0.34	0.35	0.35
Air	2.97	2.84	2.72	2.80	2.91	3.02	3.12	3.23	3.33	3.44	3.53	3.63	3.70
Military Use	0.62	0.66	0.72	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79
Lubricants	0.19	0.20	0.20	0.20	0.21	0.21	0.22	0.22	0.22	0.23	0.23	0.24	0.24
Pipeline Fuel	0.64	0.65	0.68	0.67	0.67	0.67	0.68	0.69	0.70	0.72	0.73	0.74	0.74
Total	26.67	26.70	27.07	28.13	28.96	29.78	30.53	31.30	32.11	32.94	33.71	34.50	35.26
million barrels per day oil equivalent													
Light-Duty Vehicles	7.98	8.20	8.37	8.72	8.96	9.21	9.45	9.68	9.93	10.17	10.40	10.64	10.88
Commercial Light Trucks 1/	0.31	0.31	0.31	0.32	0.34	0.35	0.36	0.36	0.37	0.38	0.39	0.40	0.41
Bus Transportation	0.12	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Freight Trucks	2.00	1.94	1.95	2.06	2.15	2.23	2.31	2.38	2.46	2.55	2.64	2.72	2.81
Rail, Passenger	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07
Rail, Freight	0.24	0.22	0.22	0.22	0.23	0.23	0.24	0.24	0.24	0.24	0.25	0.25	0.26
Shipping, Domestic	0.16	0.15	0.14	0.15	0.15	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.18
Shipping, International	0.34	0.28	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.32
Recreational Boats	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.19
Air	1.44	1.38	1.32	1.36	1.41	1.46	1.51	1.56	1.61	1.66	1.71	1.75	1.79
Military Use	0.30	0.32	0.34	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.38	0.38
Lubricants	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11
Pipeline Fuel	0.32	0.33	0.34	0.34	0.34	0.34	0.34	0.35	0.35	0.36	0.37	0.38	0.37
Total	13.50	13.54	13.73	14.27	14.69	15.11	15.49	15.88	16.28	16.71	17.10	17.49	17.87

Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002-2025
Key Indicators													
Level of Travel (billions)													
Light-Duty Vehicles <8500 lbs. (VMT)	3448	3527	3607	3687	3777	3855	3936	4021	4109	4201	4299	4403	2.5%
Commercial Light Trucks (VMT) 1/	94	97	100	103	106	109	112	115	118	122	125	129	3.0%
Freight Trucks >10000 lbs. (VMT)	296	305	314	325	335	343	353	363	373	385	396	410	3.3%
Air (seat miles available)	1296	1327	1356	1386	1411	1435	1455	1473	1489	1501	1514	1521	2.3%
Rail (ton miles traveled)	1762	1796	1844	1883	1919	1955	1998	2040	2093	2152	2204	2266	2.3%
Domestic Shipping (ton miles traveled)	903	918	933	953	973	986	999	1010	1024	1045	1066	1082	1.8%
Energy Efficiency													
New Light-Duty Vehicle (MPG) 2/	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	26.9	27.0	0.5%
New Car (MPG) 2/	29.8	30.0	30.1	30.3	30.3	30.5	30.5	30.6	30.7	30.8	30.9	31.0	0.4%
New Light Truck (MPG) 2/	23.4	23.6	23.7	23.9	24.0	24.1	24.2	24.4	24.5	24.6	24.7	24.8	0.8%
Light-Duty Fleet (MPG) 3/	19.9	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	21.0	0.3%
New Commercial Light Truck (MPG) 1/	15.6	15.7	15.8	15.8	15.9	16.0	16.1	16.2	16.2	16.3	16.4	16.5	0.7%
Stock Commercial Light Truck (MPG) 1/	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0	0.6%
Aircraft (seat miles per gallon)	63.2	63.9	64.5	65.1	65.8	66.4	66.9	67.4	67.9	68.4	68.9	69.3	1.0%
Freight Truck (MPG)	6.1	6.1	6.2	6.2	6.3	6.3	6.4	6.4	6.4	6.4	6.5	6.5	0.4%
Rail (ton miles/thousand Btu)	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.6	3.6	1.0%
Domestic Shipping (ton miles per thousand Btu)	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.2%
Energy Use by Mode													
quadrillion Btu													
Light-Duty Vehicles	21.08	21.45	21.82	22.18	22.59	22.93	23.28	23.68	24.10	24.54	25.01	25.51	2.2%
Commercial Light Trucks 1/	0.79	0.81	0.83	0.85	0.87	0.88	0.90	0.92	0.94	0.96	0.98	1.01	2.4%
Bus Transportation	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.5%
Freight Trucks	6.08	6.22	6.37	6.53	6.68	6.81	6.96	7.10	7.27	7.46	7.66	7.87	2.9%
Rail, Passenger	0.14	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.17	0.17	0.17	1.9%
Rail, Freight	0.55	0.55	0.56	0.57	0.57	0.58	0.58	0.59	0.60	0.61	0.62	0.63	1.3%
Shipping, Domestic	0.38	0.39	0.40	0.40	0.41	0.42	0.42	0.42	0.43	0.44	0.44	0.45	1.6%
Shipping, International	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.74	0.74	0.74	0.6%
Recreational Boats	0.35	0.36	0.36	0.37	0.37	0.37	0.38	0.38	0.38	0.39	0.39	0.40	1.1%
Air	3.77	3.83	3.90	3.97	4.04	4.10	4.15	4.20	4.25	4.30	4.35	4.39	1.9%
Military Use	0.79	0.79	0.80	0.80	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.9%
Lubricants	0.24	0.25	0.25	0.26	0.27	0.27	0.28	0.29	0.30	0.30	0.31	0.32	2.1%
Pipeline Fuel	0.74	0.75	0.78	0.83	0.87	0.88	0.88	0.87	0.87	0.88	0.89	0.89	1.4%
Total	35.92	36.55	37.21	37.90	38.62	39.20	39.81	40.44	41.12	41.86	42.65	43.47	2.1%
million barrels per day oil equivalent													
Light-Duty Vehicles	11.09	11.28	11.48	11.66	11.88	12.06	12.24	12.45	12.67	12.90	13.14	13.40	2.2%
Commercial Light Trucks 1/	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.48	0.50	0.51	0.52	0.53	2.4%
Bus Transportation	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.5%
Freight Trucks	2.87	2.94	3.01	3.09	3.16	3.22	3.29	3.36	3.44	3.53	3.62	3.72	2.9%
Rail, Passenger	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	1.9%
Rail, Freight	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.28	0.28	0.29	0.29	0.30	1.3%
Shipping, Domestic	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.21	1.6%
Shipping, International	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.6%
Recreational Boats	0.19	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.20	0.21	0.21	1.1%
Air	1.82	1.85	1.89	1.92	1.95	1.98	2.01	2.03	2.06	2.08	2.10	2.12	1.9%
Military Use	0.38	0.38	0.38	0.38	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.9%
Lubricants	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.14	0.14	0.14	0.15	0.15	2.1%
Pipeline Fuel	0.38	0.38	0.40	0.42	0.44	0.45	0.45	0.44	0.44	0.44	0.45	0.45	1.4%
Total	18.21	18.52	18.86	19.21	19.57	19.86	20.17	20.49	20.83	21.21	21.60	22.02	2.1%

Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption

1/ Commercial trucks 8,500 to 10,000 pounds.

2/ Environmental Protection Agency rated miles per gallon.

3/ Combined car and light truck "on-the-road" estimate.

Btu = British thermal unit.

VMT = Vehicle miles traveled.

Lbs. = Pounds.

MPG = Miles per gallon.

Note: Totals may not equal sum of components due to independent rounding. Data for 2001 and 2002 are model results and may differ slightly from official EIA data reports.

Sources: 2001 and 2002: Energy Information Administration (EIA), Natural Gas Annual 2001, DOE/EIA-0131(2001) (Washington, DC, February 2003); Federal Highway Administration, Highway Statistics 2001 (Washington, DC, November 2002); Oak Ridge National Laboratory, Transportation Energy Data Book: Edition 22 and annual (Oak Ridge, TN, September 2002); National Highway Traffic and Safety Administration, Summary of Fuel Economy Performance (Washington, DC, February 2000); EIA, Household Vehicle Energy Consumption 1994, DOE/EIA-0464(94) (Washington, DC, August 1997); U.S. Department of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," EC97TV (Washington, DC, October 1999); EIA, Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives To Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneaf/alt_trans98/table1.html; EIA, State Energy Data Report 1999, DOE/EIA-0214(99) (Washington, DC, May 2001); U.S. Department of Transportation, Research and Special Programs Administration, Air Carrier Statistics Monthly, December 2002/2001 (Washington, DC, 2002); EIA, Fuel Oil and Kerosene Sales 2001, http://www.eia.doe.gov/oil_gas/petroleum/data_publications/fuel_oil_and_kerosene_sales/historical/foks.html; and United States Department of Defense, Defense Fuel Supply Center. Projections: EIA, AEO2004 National Energy Modeling System run HM2004.D101703A.

Table 8. Electricity Supply, Disposition, Prices, and Emissions (Billion Kilowatthours, Unless Otherwise Noted)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Generation by Fuel Type											
Electric Power Sector 1/ Power Only 2/											
Coal	1852	1875	1945	1950	2012	2070	2126	2156	2196	2219	2245
Petroleum	113	77	95	52	63	63	67	71	68	67	73
Natural Gas 3/	427	450	420	514	520	544	562	607	642	699	757
Nuclear Power	769	780	762	779	791	794	795	796	791	794	800
Pumped Storage/Other	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
Renewable Sources 4/	259	304	339	375	380	384	391	395	400	405	410
Distributed Generation (Natural Gas)	0	0	0	0	0	0	0	0	0	0	0
Non-Utility Generation for Own Use	-20	-34	-39	-40	-40	-40	-40	-40	-38	-37	-37
Total	3391	3443	3512	3620	3717	3805	3892	3976	4049	4137	4239
Combined Heat and Power 5/											
Coal	31	32	28	29	30	32	34	34	33	33	33
Petroleum	6	6	2	0	0	1	1	1	1	1	2
Natural Gas	128	148	152	158	161	165	168	173	179	179	169
Renewable Sources	4	5	4	4	4	4	4	4	4	4	4
Non-Utility Generation for Own Use	-9	-11	-24	-24	-24	-24	-24	-24	-24	-24	-24
Total	160	183	163	167	172	177	182	188	193	194	185
Net Available to the Grid	3551	3626	3675	3788	3888	3982	4074	4164	4242	4331	4424
End-Use Sector Generation											
Combined Heat and Power 6/											
Coal	21	21	21	21	21	21	21	21	21	21	21
Petroleum	6	5	5	5	8	10	10	10	11	12	13
Natural Gas	83	84	84	86	90	95	98	103	108	114	120
Other Gaseous Fuels 7/	4	5	6	6	8	8	8	9	9	9	10
Renewable Sources 4/	29	30	31	33	35	36	37	38	40	42	43
Other 8/	9	11	11	11	11	11	11	11	11	11	11
Total	151	157	158	163	174	181	186	192	200	209	217
Other End-Use Generators 9/	3	4	4	4	4	4	5	5	5	5	5
Generation for Own Use	-129	-134	-134	-136	-145	-148	-151	-154	-157	-162	-166
Total Sales to the Grid	25	27	28	31	33	37	40	43	48	52	57
Total Electricity Generation	3734	3831	3900	4018	4130	4232	4328	4425	4510	4607	4708
Net Imports	22	22	39	33	34	32	30	32	33	35	34
Electricity Sales by Sector											
Residential	1203	1268	1282	1302	1320	1339	1362	1389	1410	1434	1458
Commercial	1197	1208	1213	1252	1293	1331	1368	1405	1443	1483	1524
Industrial	964	994	978	1022	1062	1095	1124	1149	1174	1200	1229

Table 8. Electricity Supply, Disposition, Prices, and Emissions (Billion Kilowatthours, Unless Otherwise Noted)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Transportation	22	22	23	23	24	24	25	25	26	27	27
Total	3386	3492	3495	3600	3699	3790	3879	3969	4054	4144	4238
End-Use Prices 10/ (2002 cents per kilowatthour)											
Residential	8.7	8.4	8.5	8.5	8.4	8.3	8.3	8.3	8.3	8.3	8.3
Commercial	8.0	7.8	7.6	7.5	7.3	7.2	7.1	7.1	7.3	7.3	7.3
Industrial	5.2	5.0	4.8	4.7	4.7	4.7	4.7	4.7	4.8	4.8	4.8
Transportation	7.4	7.2	7.3	7.2	7.0	6.9	6.8	6.8	6.9	7.0	7.0
All Sectors Average	7.4	7.2	7.1	7.1	6.9	6.9	6.8	6.8	6.9	6.9	6.9
Prices by Service Category 10/ (2002 cents per kilowatthour)											
Generation	4.8	4.6	4.6	4.5	4.4	4.3	4.3	4.3	4.4	4.4	4.4
Transmission	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Distribution	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9
Electric Power Sector Emissions 1/											
Sulfur Dioxide (million tons)	10.63	10.54	10.53	10.72	10.12	9.81	9.90	9.67	10.20	10.11	9.81
Nitrogen Oxide (million tons)	4.75	4.39	3.70	3.23	3.30	3.38	3.46	3.49	3.52	3.54	3.56
Mercury (tons)	49.14	50.95	51.33	50.70	50.93	51.57	52.61	52.04	53.75	53.99	53.68

Table 8. Electricity Supply, Disposition, Prices, and Emissions (Billion Kilowatthours, Unless Otherwise Noted)

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Generation by Fuel Type											
Electric Power Sector 1/ Power Only 2/											
Coal	2254	2272	2292	2322	2359	2403	2449	2513	2592	2678	2785
Petroleum	86	134	115	120	132	96	93	105	121	133	110
Natural Gas 3/	812	829	909	941	982	1058	1102	1110	1098	1084	1088
Nuclear Power	803	806	809	812	814	816	816	816	816	816	816
Pumped Storage/Other	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
Renewable Sources 4/	412	416	419	424	433	441	451	465	478	486	502
Distributed Generation (Natural Gas)	1	1	1	2	3	3	4	4	5	6	6
Non-Utility Generation for Own Use	-37	-37	-37	-37	-37	-37	-37	-37	-37	-37	-37
Total	4321	4411	4499	4575	4676	4771	4868	4966	5063	5156	5260
Combined Heat and Power 5/											
Coal	33	33	33	33	33	33	33	33	33	33	33
Petroleum	4	7	5	5	6	3	3	3	4	5	3
Natural Gas	174	166	167	165	160	162	164	162	160	154	149
Renewable Sources	4	4	4	4	4	4	4	4	4	4	4
Non-Utility Generation for Own Use	-24	-24	-24	-24	-24	-24	-24	-24	-24	-24	-24
Total	191	187	186	183	179	179	180	179	178	172	166
Net Available to the Grid	4512	4598	4684	4759	4855	4950	5049	5145	5241	5328	5426
End-Use Sector Generation											
Combined Heat and Power 6/											
Coal	21	21	21	21	21	21	21	21	21	21	21
Petroleum	13	14	15	16	18	19	19	19	19	19	19
Natural Gas	125	129	134	139	144	151	158	165	172	178	186
Other Gaseous Fuels 7/	10	10	10	11	11	11	12	12	12	12	13
Renewable Sources 4/	45	47	49	50	51	53	54	55	56	57	59
Other 8/	11	11	11	11	11	11	11	11	11	11	11
Total	226	233	240	248	256	266	275	283	291	299	308
Other End-Use Generators 9/	5	5	5	5	5	5	5	5	6	6	6
Generation for Own Use	-169	-173	-176	-180	-183	-188	-193	-197	-202	-207	-212
Total Sales to the Grid	61	65	69	74	78	83	87	91	95	99	103
Total Electricity Generation	4804	4897	4991	5073	5178	5282	5390	5495	5599	5695	5802
Net Imports	36	40	33	36	34	30	27	21	24	20	15
Electricity Sales by Sector											
Residential	1483	1501	1524	1546	1573	1592	1615	1639	1665	1682	1706
Commercial	1562	1601	1637	1672	1708	1746	1785	1826	1865	1903	1939
Industrial	1257	1290	1313	1335	1365	1397	1428	1453	1484	1510	1541

Table 8. Electricity Supply, Disposition, Prices, and Emissions (Billion Kilowatthours, Unless Otherwise Noted)

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Transportation	28	28	29	29	30	31	31	32	33	33	34
Total	4329	4420	4502	4583	4675	4766	4860	4950	5046	5128	5220
End-Use Prices 10/ (2002 cents per kilowatthour)											
Residential	8.5	8.5	8.5	8.6	8.6	8.5	8.6	8.6	8.7	8.7	8.7
Commercial	7.5	7.5	7.5	7.6	7.6	7.5	7.6	7.6	7.7	7.7	7.7
Industrial	4.9	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.1	5.1	5.1
Transportation	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.2	7.2
All Sectors Average	7.1	7.1	7.1	7.2	7.2	7.1	7.2	7.2	7.3	7.3	7.3
Prices by Service Category 10/ (2002 cents per kilowatthour)											
Generation	4.6	4.7	4.6	4.7	4.7	4.7	4.7	4.7	4.8	4.9	4.8
Transmission	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Distribution	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Electric Power Sector Emissions 1/											
Sulfur Dioxide (million tons)	9.57	9.33	9.30	9.15	8.98	8.95	8.95	8.94	8.96	8.96	8.95
Nitrogen Oxide (million tons)	3.59	3.61	3.61	3.63	3.64	3.66	3.66	3.66	3.68	3.67	3.68
Mercury (tons)	53.98	53.46	53.94	54.11	53.93	54.12	54.11	54.31	54.55	54.85	54.90

Table 8. Electricity Supply, Disposition, Prices, and Emissions (Billion Kilowatthours, Unless Otherwise Noted)

	2023	2024	2025	2002- 2025
Generation by Fuel Type				
Electric Power Sector 1/ Power Only 2/				
Coal	2914	2995	3111	2.2%
Petroleum	99	80	84	0.4%
Natural Gas 3/	1070	1104	1081	3.9%
Nuclear Power	816	816	816	0.2%
Pumped Storage/Other	-9	-9	-9	0.3%
Renewable Sources 4/	510	518	528	2.4%
Distributed Generation (Natural Gas)	6	7	7	N/A
Non-Utility Generation for Own Use	-37	-37	-37	0.4%
Total	5369	5473	5581	2.1%
Combined Heat and Power 5/				
Coal	33	34	34	0.2%
Petroleum	3	2	2	-4.1%
Natural Gas	146	147	144	-0.1%
Renewable Sources	4	4	4	-0.7%
Non-Utility Generation for Own Use	-24	-24	-24	3.6%
Total	162	162	160	-0.6%
Net Available to the Grid	5531	5635	5741	2.0%
End-Use Sector Generation				
Combined Heat and Power 6/				
Coal	21	23	24	0.7%
Petroleum	19	19	19	6.1%
Natural Gas	193	202	211	4.1%
Other Gaseous Fuels 7/	13	13	13	4.5%
Renewable Sources 4/	60	61	62	3.2%
Other 8/	11	11	11	0.0%
Total	317	330	342	3.5%
Other End-Use Generators 9/	6	7	7	2.5%
Generation for Own Use	-217	-223	-230	2.4%
Total Sales to the Grid	107	113	120	6.7%
Total Electricity Generation	5916	6033	6152	2.1%
Net Imports	12	9	8	-4.5%
Electricity Sales by Sector				
Residential	1732	1762	1781	1.5%
Commercial	1978	2017	2059	2.3%
Industrial	1575	1608	1650	2.2%

Table 8. Electricity Supply, Disposition, Prices, and Emissions (Billion Kilowatthours, Unless Otherwise Noted)

	2023	2024	2025	2002- 2025
Transportation	35	35	36	2.2%
Total	5320	5422	5527	2.0%
End-Use Prices 10/ (2002 cents per kilowatthour)				
Residential	8.6	8.7	8.8	0.2%
Commercial	7.7	7.7	7.8	0.0%
Industrial	5.1	5.1	5.1	0.1%
Transportation	7.2	7.2	7.2	0.0%
All Sectors Average	7.2	7.2	7.3	0.0%
Prices by Service Category 10/ (2002 cents per kilowatthour)				
Generation	4.8	4.8	4.9	0.2%
Transmission	0.7	0.7	0.7	1.1%
Distribution	1.7	1.7	1.7	-0.6%
Electric Power Sector Emissions 1/				
Sulfur Dioxide (million tons)	8.97	8.94	8.95	-0.7%
Nitrogen Oxide (million tons)	3.70	3.73	3.75	-0.7%
Mercury (tons)	54.75	55.08	55.35	0.3%

Table 8. Electricity Supply, Disposition, Prices, and Emissions (Billion Kilowatthours, Unless Otherwise Noted)

1/ Includes electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public.

2/ Includes plants that only produce electricity.

3/ Includes electricity generation from fuel cells.

4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, landfill gas, other biomass, solar, and wind power.

5/ Includes combined heat and power plants whose primary business is to sell electricity and heat to the public (i.e., those that report NAICS code 22).

6/ Includes combined heat and power plants and electricity-only plants in the commercial and industrial sectors.

7/ Other gaseous fuels include refinery and still gas.

8/ Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

9/ Other end-use generators include small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.

10/ Prices represent average revenue per kilowatthour.

Note: Totals may not equal sum of components due to independent rounding. Data for 2001 and 2002 are model results and may differ slightly from official EIA data reports.

Sources: 2001 and 2002 power only and combined heat and power generation, sales to utilities, net imports, residential, industrial, and total electricity sales, and emissions: Energy Information Administration (EIA), Annual Energy Review 2002, DOE/EIA-0384(2002) (Washington, DC, October 2003) and supporting databases. 2001 and 2002 commercial and transportation electricity sales: EIA estimates based on Oak Ridge National Laboratory, Transportation Energy Data Book 21 (Oak Ridge, TN, November 2001). 2001 and 2002 prices: EIA, AEO2004 National Energy Modeling System run HM2004.D101703A. Projections: EIA, AEO2004 National Energy Modeling System run HM2004.D101703A.

**Table 9. Electricity Generating Capacity
(Gigawatts)**

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Electric Power Sector 2/											
Power Only 3/											
Coal Steam	305.5	305.7	305.4	304.6	303.7	302.6	301.0	302.5	303.6	305.3	307.5
Other Fossil Steam 4/	133.8	132.5	130.1	129.8	127.7	126.0	123.4	122.2	110.1	104.0	103.9
Combined Cycle	43.0	81.0	114.5	120.7	121.4	121.4	121.4	121.4	125.2	131.1	142.4
Combustion Turbine/Diesel	97.3	123.5	129.8	130.4	134.4	134.0	133.7	134.5	129.1	131.6	137.7
Nuclear Power 5/	98.2	98.7	99.2	99.5	99.8	100.1	100.2	100.4	100.4	100.6	100.7
Pumped Storage	19.9	20.2	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
Fuel Cells	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Renewable Sources 6/	90.4	91.4	93.4	93.6	93.9	94.7	95.8	96.3	97.0	97.9	98.7
Distributed Generation (Natural Gas) 7/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	1.0
Total	788.0	853.1	892.6	898.9	901.2	899.3	896.0	897.9	886.3	891.4	912.3
Combined Heat and Power 8/											
Coal Steam	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.1
Other Fossil Steam 4/	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Combined Cycle	22.5	29.4	32.3	33.1	33.1	33.1	33.1	33.1	33.1	32.9	32.9
Combustion Turbine/Diesel	4.7	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
Renewable Sources 6/	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Total	33.8	41.4	44.3	45.0	45.0	45.0	45.0	45.0	45.0	44.8	44.8
Total Electric Power Industry	821.8	894.5	936.9	943.9	946.3	944.3	941.1	942.9	931.2	936.3	957.1
Cumulative Planned Additions 9/											
Coal Steam	0.0	0.0	0.1	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1
Other Fossil Steam 4/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Combined Cycle	0.0	0.0	35.8	42.7	43.5	43.5	43.5	43.5	43.5	43.5	43.5
Combustion Turbine/Diesel	0.0	0.0	7.3	7.5	8.1	8.1	8.1	8.1	8.1	8.1	8.1
Nuclear Power	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pumped Storage	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cells	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Renewable Sources 6/	0.0	0.0	1.9	2.1	2.4	3.0	3.7	4.0	4.2	4.3	4.4
Distributed Generation 7/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.0	45.1	52.9	54.5	55.7	56.4	56.8	56.9	57.1	57.1
Cumulative Unplanned Additions 9/											
Coal Steam	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.3	4.1	5.8	8.1
Other Fossil Steam 4/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Combined Cycle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	10.6	21.9
Combustion Turbine/Diesel	0.0	0.0	0.0	0.4	4.2	4.2	4.4	5.3	7.4	10.9	17.4
Nuclear Power	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pumped Storage	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cells	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renewable Sources 6/	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	1.1	1.9	2.6

**Table 9. Electricity Generating Capacity
(Gigawatts)**

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Distributed Generation 7/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	1.0
Total	0.0	0.0	0.0	0.4	4.2	4.2	5.3	8.4	17.4	29.9	51.1
Cumulative Total Additions	0.0	0.0	45.1	53.4	58.7	59.8	61.7	65.1	74.3	86.9	108.2
Cumulative Retirements 10/											
Coal Steam	0.0	0.0	0.4	1.7	2.7	4.2	6.3	6.7	7.5	7.5	7.5
Other Fossil Steam 4/	0.0	0.0	0.5	0.8	2.9	4.6	7.2	8.4	20.5	26.6	26.7
Combined Cycle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.1
Combustion Turbine/Diesel	0.0	0.0	0.3	0.3	0.6	1.0	1.6	1.6	9.2	10.2	10.6
Nuclear Power	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pumped Storage	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cells	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renewable Sources 6/	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Total	0.0	0.0	1.2	3.0	6.3	9.9	15.1	16.8	37.8	45.5	46.1
End-Use Sector Generators											
Combined Heat and Power 11/											
Coal	4.1	4.2	4.2	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Petroleum	1.0	1.0	1.0	1.0	1.2	1.3	1.3	1.4	1.5	1.6	1.7
Natural Gas	13.9	14.1	14.2	14.6	15.2	15.8	16.3	16.9	17.7	18.4	19.2
Other Gaseous Fuels	1.6	1.8	1.8	1.8	2.0	2.1	2.1	2.1	2.2	2.2	2.2
Renewable Sources 6/	4.0	4.2	4.2	4.6	4.9	5.2	5.4	5.6	5.8	6.1	6.4
Other	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Total	24.8	25.5	25.7	26.4	27.8	28.9	29.6	30.4	31.6	32.8	34.0
Other End-Use Generators 12/											
Renewable Sources 13/	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.4	1.4
Cumulative Additions 9/											
Combined Heat and Power 11/	0.0	0.0	0.2	0.9	2.3	3.4	4.1	5.0	6.1	7.3	8.5
Other End-Use Generators 12/	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.4

**Table 9. Electricity Generating Capacity
(Gigawatts)**

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Electric Power Sector 2/											
Power Only 3/											
Coal Steam	307.7	309.5	311.7	315.5	320.2	326.1	332.0	340.6	350.9	362.5	377.3
Other Fossil Steam 4/	103.1	103.0	102.5	102.2	101.9	101.3	101.2	101.1	100.3	99.4	98.7
Combined Cycle	146.9	156.8	169.6	179.3	187.7	192.8	198.5	206.3	211.3	220.2	223.6
Combustion Turbine/Diesel	141.7	147.6	152.6	156.7	160.3	162.9	164.1	167.6	169.9	174.1	176.1
Nuclear Power 5/	101.0	101.4	101.8	102.1	102.4	102.6	102.6	102.6	102.6	102.6	102.6
Pumped Storage	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
Fuel Cells	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Renewable Sources 6/	99.2	99.8	100.3	101.4	103.5	105.2	107.6	111.2	114.9	117.0	120.8
Distributed Generation (Natural Gas) 7/	1.6	2.2	3.3	4.6	5.9	7.2	8.4	9.7	11.1	12.6	13.6
Total	921.6	940.6	962.1	982.3	1002.3	1018.5	1034.7	1059.4	1081.4	1108.7	1133.1
Combined Heat and Power 8/											
Coal Steam	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
Other Fossil Steam 4/	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Combined Cycle	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
Combustion Turbine/Diesel	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
Renewable Sources 6/	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Total	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
Total Electric Power Industry	966.4	985.4	1006.9	1027.1	1047.1	1063.3	1079.6	1104.3	1126.3	1153.5	1177.9
Cumulative Planned Additions 9/											
Coal Steam	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Other Fossil Steam 4/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Combined Cycle	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
Combustion Turbine/Diesel	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
Nuclear Power	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pumped Storage	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cells	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Renewable Sources 6/	4.4	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.8	4.8
Distributed Generation 7/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	57.2	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5
Cumulative Unplanned Additions 9/											
Coal Steam	8.2	10.0	12.7	16.5	21.2	27.2	34.3	42.9	53.3	65.7	80.5
Other Fossil Steam 4/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Combined Cycle	26.5	36.3	49.1	58.9	67.2	72.3	78.0	85.9	90.9	99.7	103.1
Combustion Turbine/Diesel	21.5	27.3	32.3	37.5	41.4	44.1	45.7	49.7	53.3	58.7	60.8
Nuclear Power	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pumped Storage	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cells	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renewable Sources 6/	3.0	3.6	4.0	5.1	7.2	8.8	11.3	14.8	18.5	20.6	24.4

**Table 9. Electricity Generating Capacity
(Gigawatts)**

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Distributed Generation 7/	1.6	2.2	3.3	4.6	5.9	7.2	8.4	9.7	11.1	12.6	13.6
Total	60.7	79.5	101.5	122.6	143.0	159.6	177.7	202.9	227.1	257.2	282.4
Cumulative Total Additions	117.9	136.7	158.8	179.9	200.4	217.0	235.1	260.4	284.6	314.7	339.9
Cumulative Retirements 10/											
Coal Steam	7.5	7.5	8.0	8.0	8.0	8.0	9.3	9.3	9.3	10.1	10.1
Other Fossil Steam 4/	27.5	27.6	28.1	28.4	28.7	29.3	29.4	29.5	30.3	31.2	31.9
Combined Cycle	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Combustion Turbine/Diesel	10.6	10.6	10.6	11.6	12.0	12.1	12.5	12.9	14.3	15.5	15.5
Nuclear Power	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pumped Storage	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cells	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renewable Sources 6/	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Total	46.8	47.0	48.0	49.2	49.9	50.6	52.5	53.0	55.2	58.1	58.9
End-Use Sector Generators											
Combined Heat and Power 11/											
Coal	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Petroleum	1.8	1.9	2.0	2.1	2.3	2.4	2.4	2.4	2.4	2.4	2.4
Natural Gas	19.9	20.4	21.1	21.8	22.5	23.4	24.4	25.3	26.2	27.1	28.1
Other Gaseous Fuels	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6
Renewable Sources 6/	6.7	7.0	7.3	7.5	7.8	8.0	8.3	8.4	8.6	8.8	9.0
Other	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Total	35.1	36.1	37.2	38.3	39.4	40.7	42.0	43.1	44.3	45.5	46.7
Other End-Use Generators 12/											
Renewable Sources 13/	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.7	1.8	2.0
Cumulative Additions 9/											
Combined Heat and Power 11/	9.6	10.7	11.7	12.8	13.9	15.2	16.5	17.6	18.8	20.0	21.2
Other End-Use Generators 12/	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.8	0.9

**Table 9. Electricity Generating Capacity
(Gigawatts)**

	2023	2024	2025	2002- 2025
Electric Power Sector 2/				
Power Only 3/				
Coal Steam	395.2	406.1	422.2	1.4%
Other Fossil Steam 4/	97.9	97.8	97.4	-1.3%
Combined Cycle	225.6	226.4	227.0	4.6%
Combustion Turbine/Diesel	179.2	179.6	181.4	1.7%
Nuclear Power 5/	102.6	102.6	102.6	0.2%
Pumped Storage	20.3	20.3	20.3	0.0%
Fuel Cells	0.1	0.1	0.1	N/A
Renewable Sources 6/	122.4	124.2	125.7	1.4%
Distributed Generation (Natural Gas) 7/	14.6	14.9	15.4	N/A
Total	1157.9	1172.1	1192.1	1.5%
Combined Heat and Power 8/				
Coal Steam	5.1	5.1	5.1	-0.1%
Other Fossil Steam 4/	1.1	1.1	1.1	N/A
Combined Cycle	32.9	32.9	32.9	0.5%
Combustion Turbine/Diesel	5.4	5.4	5.4	0.0%
Renewable Sources 6/	0.3	0.3	0.3	N/A
Total	44.8	44.8	44.8	0.3%
Total Electric Power Industry	1202.7	1217.0	1236.9	1.4%
Cumulative Planned Additions 9/				
Coal Steam	1.1	1.1	1.1	N/A
Other Fossil Steam 4/	0.0	0.0	0.0	N/A
Combined Cycle	43.5	43.5	43.5	N/A
Combustion Turbine/Diesel	8.1	8.1	8.1	N/A
Nuclear Power	0.0	0.0	0.0	N/A
Pumped Storage	0.0	0.0	0.0	N/A
Fuel Cells	0.1	0.1	0.1	N/A
Renewable Sources 6/	4.8	4.8	4.8	N/A
Distributed Generation 7/	0.0	0.0	0.0	N/A
Total	57.5	57.6	57.6	N/A
Cumulative Unplanned Additions 9/				
Coal Steam	98.4	109.3	125.7	N/A
Other Fossil Steam 4/	0.0	0.0	0.0	N/A
Combined Cycle	105.1	106.0	106.5	N/A
Combustion Turbine/Diesel	64.2	64.9	66.7	N/A
Nuclear Power	0.0	0.0	0.0	N/A
Pumped Storage	0.0	0.0	0.0	N/A
Fuel Cells	0.0	0.0	0.0	N/A
Renewable Sources 6/	25.9	27.7	29.2	N/A

**Table 9. Electricity Generating Capacity
(Gigawatts)**

	2023	2024	2025	2002- 2025
Distributed Generation 7/ Total	14.6	14.9	15.4	N/A
Cumulative Total Additions	365.7	380.3	400.9	N/A
Cumulative Retirements 10/ Coal Steam	10.1	10.1	10.4	N/A
Other Fossil Steam 4/ Combined Cycle	32.7	32.8	33.2	N/A
Combustion Turbine/Diesel	1.1	1.1	1.1	N/A
Nuclear Power	15.9	16.1	16.1	N/A
Pumped Storage	0.0	0.0	0.0	N/A
Fuel Cells	0.0	0.0	0.0	N/A
Renewable Sources 6/ Total	0.1	0.1	0.1	N/A
	59.9	60.3	60.9	N/A
End-Use Sector Generators				
Combined Heat and Power 11/ Coal	4.1	4.4	4.6	0.4%
Petroleum	2.5	2.5	2.5	4.3%
Natural Gas	29.2	30.4	31.7	3.6%
Other Gaseous Fuels	2.7	2.7	2.7	1.9%
Renewable Sources 6/ Other	9.2	9.4	9.6	3.7%
Total	0.3	0.3	0.3	N/A
	48.0	49.7	51.5	3.1%
Other End-Use Generators 12/ Renewable Sources 13/	2.1	2.3	2.6	3.9%
Cumulative Additions 9/ Combined Heat and Power 11/ Other End-Use Generators 12/	22.5	24.2	26.0	N/A
	1.1	1.3	1.5	N/A

**Table 9. Electricity Generating Capacity
(Gigawatts)**

1/ Net summer capacity is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand.

2/ Includes electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public.

3/ Includes plants that only produce electricity. Includes capacity increases (uprates) at existing units.

4/ Includes oil-, gas-, and dual-fired capacity.

5/ Nuclear capacity reflects operating capacity of existing units, including 3.9 gigawatts of uprates through 2025.

6/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, landfill gas, other biomass, solar and wind power. Facilities co-firing biomass and coal are classified as coal.

7/ Primarily peak-load capacity fueled by natural gas.

8/ Includes combined heat and power plants whose primary business is to sell electricity and heat to the public (i.e., those that report NAICS code 22).

9/ Cumulative additions after December 31, 2002.

10/ Cumulative retirements after December 31, 2002.

11/ Includes combined heat and power plants and electricity-only plants in the commercial and industrial sectors.

12/ Other end-use generators include small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.

13/ See Table 17 for more detail.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2001 and 2002 are model results and may differ slightly from official EIA data reports.

Sources: 2001 and 2002 electric generating capacity and projected planned additions: Energy Information Administration (EIA), Form EIA-860, "Annual Electric Generator Report," 2002 (preliminary). Projections: EIA, AEO2004 National Energy Modeling System run HM2004.D101703A.

Table 10. Electricity Trade
(Billion Kilowatthours, Unless Otherwise Noted)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Interregional Electricity Trade											
Gross Domestic Firm Power Sales	142.7	138.9	136.7	132.4	125.3	117.0	117.0	115.0	114.4	107.1	99.8
Gross Domestic Economy Sales	182.1	209.9	225.5	211.5	213.4	222.7	234.8	241.1	234.3	225.1	211.3
Gross Domestic Trade	324.8	348.8	362.2	344.0	338.7	339.7	351.8	356.2	348.7	332.2	311.1
Gross Domestic Firm Power Sales											
(million 2002 dollars)	7126.8	6932.4	6823.1	6611.7	6255.6	5840.8	5839.5	5743.2	5709.3	5345.8	4982.3
Gross Domestic Economy Sales											
(million 2002 dollars)	8870.2	6809.8	9047.9	7227.5	6941.7	7302.0	7828.8	8298.4	8143.3	7994.4	7726.8
Gross Domestic Sales											
(million 2002 dollars)	15997.0	13742.1	15871.1	13839.2	13197.4	13142.8	13668.3	14041.6	13852.6	13340.1	12709.1
International Electricity Trade											
Firm Power Imports from Canada & Mexico											
Economy Imports from Canada & Mexico	12.1	9.5	13.6	11.1	10.7	6.7	6.7	6.7	6.5	5.8	5.2
Gross Imports from Canada & Mexico	26.3	26.8	38.6	38.3	40.5	41.9	40.7	42.0	44.2	45.0	44.5
	38.4	36.3	52.2	49.4	51.2	48.6	47.4	48.7	50.7	50.9	49.7
Firm Power Exports to Canada & Mexico											
Economy Exports to Canada & Mexico	6.6	5.6	6.0	9.7	9.7	9.7	9.7	9.7	9.7	8.7	7.8
Gross Exports to Canada & Mexico	9.8	8.7	6.7	6.9	7.0	7.1	7.2	7.4	7.5	7.7	7.7
	16.4	14.3	12.7	16.6	16.7	16.8	16.9	17.1	17.2	16.4	15.4

Table 10. Electricity Trade
(Billion Kilowatthours, Unless Otherwise Noted)

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Interregional Electricity Trade											
Gross Domestic Firm Power Sales	92.5	85.2	78.0	70.7	63.4	56.1	48.8	45.2	41.5	41.5	41.5
Gross Domestic Economy Sales	210.2	200.9	199.4	199.3	197.9	201.4	195.8	200.5	203.5	203.9	191.7
Gross Domestic Trade	302.7	286.1	277.4	270.0	261.3	257.5	244.6	245.7	245.1	245.4	233.2
Gross Domestic Firm Power Sales											
(million 2002 dollars)	4618.7	4255.2	3891.7	3528.2	3164.7	2801.2	2437.7	2256.0	2074.2	2074.2	2074.2
Gross Domestic Economy Sales											
(million 2002 dollars)	8218.6	8365.3	8138.0	8412.0	8481.4	8391.1	8252.3	8573.8	8812.3	8891.0	8119.8
Gross Domestic Sales											
(million 2002 dollars)	12837.3	12620.5	12029.7	11940.2	11646.1	11192.3	10690.0	10829.7	10886.5	10965.2	10194.0
International Electricity Trade											
Firm Power Imports from Canada & Mexico											
Economy Imports from Canada & Mexico	4.6	3.9	3.3	2.6	2.0	1.3	0.7	0.4	0.0	0.0	0.0
Gross Imports from Canada & Mexico	45.6	49.6	42.0	45.3	42.1	38.1	34.7	29.0	31.3	27.3	22.6
	50.2	53.5	45.3	48.0	44.1	39.4	35.4	29.4	31.3	27.3	22.6
Firm Power Exports to Canada & Mexico											
Economy Exports to Canada & Mexico	6.8	5.8	4.8	3.9	2.9	1.9	1.0	0.5	0.0	0.0	0.0
Gross Exports to Canada & Mexico	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
	14.4	13.5	12.5	11.5	10.6	9.6	8.6	8.1	7.7	7.7	7.7

**Table 10. Electricity Trade
(Billion Kilowatthours, Unless Otherwise Noted)**

	2023	2024	2025	2002- 2025
Interregional Electricity Trade				
Gross Domestic Firm Power Sales	41.5	41.5	41.5	-5.1%
Gross Domestic Economy Sales	182.6	177.7	180.0	-0.7%
Gross Domestic Trade	224.1	219.2	221.5	-2.0%
Gross Domestic Firm Power Sales (million 2002 dollars)				
	2074.2	2074.2	2074.2	-5.1%
Gross Domestic Economy Sales (million 2002 dollars)				
	7546.5	7331.4	7568.5	0.5%
Gross Domestic Sales (million 2002 dollars)				
	9620.7	9405.6	9642.7	-1.5%
International Electricity Trade				
Firm Power Imports from Canada & Mexico	0.0	0.0	0.0	-21.9%
Economy Imports from Canada & Mexico	19.6	16.6	15.2	-2.4%
Gross Imports from Canada & Mexico	19.7	16.6	15.3	-3.7%
Firm Power Exports to Canada & Mexico				
	0.0	0.0	0.0	N/A
Economy Exports to Canada & Mexico				
	7.7	7.7	7.7	-0.6%
Gross Exports to Canada & Mexico				
	7.7	7.7	7.7	-2.7%

Table 10. Electricity Trade (Billion Kilowatthours, Unless Otherwise Noted)

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2001 and 2002 are model results and may differ slightly from official EIA data reports. Firm Power Sales are capacity sales, meaning the delivery of the power is scheduled as part of the normal operating conditions of the affected electric systems. Economy Sales are subject to curtailment or cessation of delivery by the supplier in accordance with prior agreements or under specified conditions.

Sources: 2001 and 2002 interregional firm electricity trade data: North American Electric Reliability Council (NERC), Electricity Sales and Demand Database 1999. 2001 and 2002 Mexican international electricity trade data: DOE Form FE-718R, "Annual Report of International Electrical Export/Import Data." 2001 Canadian international trade data: National Energy Board, Annual Report 2001. 2002 Canadian international trade data: National Energy Board, Annual Report 2002. Projections: Energy Information Administration, AEO2004 National Energy Modeling System run HM2004.D101703A.

**Table 11. Petroleum Supply and Disposition Balance
(Million Barrels per Day, Unless Otherwise Noted)**

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Crude Oil													
Domestic Crude Production 1/	5.74	5.62	5.69	5.80	5.86	5.94	6.09	6.12	6.06	5.95	5.84	5.74	5.68
Alaska	0.96	0.98	0.98	0.95	0.90	0.88	0.91	0.94	0.94	0.92	0.93	0.93	0.94
Lower 48 States	4.78	4.64	4.71	4.85	4.97	5.06	5.18	5.18	5.12	5.03	4.91	4.81	4.74
Net Imports	9.31	9.13	9.52	9.73	9.87	10.25	10.48	10.82	11.15	11.61	12.11	12.65	13.23
Gross Imports	9.33	9.14	9.53	9.74	9.95	10.33	10.56	10.90	11.23	11.69	12.18	12.72	13.29
Exports	0.02	0.01	0.01	0.01	0.07	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.06
Other Crude Supply 2/	0.02	0.07	0.18	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Crude Supply	15.07	14.83	15.39	15.71	15.73	16.19	16.57	16.94	17.21	17.56	17.94	18.39	18.91
Natural Gas Plant Liquids	1.87	1.88	1.72	1.90	2.19	2.21	2.24	2.25	2.26	2.32	2.33	2.37	2.35
Other Inputs 3/	0.30	0.67	0.35	0.39	0.42	0.44	0.47	0.49	0.51	0.49	0.45	0.45	0.44
Refinery Processing Gain 4/	0.93	0.98	0.93	0.94	0.88	0.88	0.87	0.87	0.87	0.88	0.89	0.91	0.93
Net Product Imports 5/	1.59	1.41	1.47	1.68	1.90	1.95	2.00	2.09	2.20	2.28	2.42	2.49	2.62
Gross Refined Product Imports 6/	2.08	1.92	2.00	2.09	2.16	2.27	2.26	2.33	2.41	2.49	2.68	2.75	2.92
Unfinished Oil Imports	0.38	0.41	0.39	0.50	0.65	0.59	0.64	0.69	0.73	0.74	0.69	0.69	0.68
Ether Imports	0.08	0.06	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Exports	0.95	0.97	0.97	0.97	0.91	0.91	0.91	0.93	0.94	0.95	0.94	0.96	0.98
Total Primary Supply 7/	19.75	19.77	19.87	20.60	21.12	21.66	22.15	22.65	23.06	23.53	24.04	24.61	25.26
Refined Petroleum Products Supplied													
Motor Gasoline 8/	8.62	8.86	9.04	9.40	9.66	9.91	10.13	10.36	10.60	10.84	11.06	11.29	11.53
Jet Fuel 9/	1.66	1.61	1.57	1.62	1.68	1.73	1.78	1.84	1.89	1.94	1.99	2.04	2.07
Distillate Fuel 10/	3.88	3.68	3.77	3.91	4.05	4.18	4.30	4.41	4.50	4.61	4.76	4.91	5.10
Residual Fuel	0.86	0.74	0.84	0.66	0.71	0.70	0.72	0.73	0.73	0.74	0.75	0.79	0.82
Other 11/	4.69	4.72	4.67	4.78	5.03	5.15	5.24	5.33	5.36	5.43	5.51	5.62	5.77
Total	19.71	19.61	19.89	20.37	21.13	21.67	22.17	22.66	23.08	23.56	24.07	24.64	25.29
Refined Petroleum Products Supplied													
Residential and Commercial	1.23	1.22	1.28	1.32	1.34	1.35	1.36	1.37	1.37	1.38	1.38	1.39	1.39
Industrial 12/	4.79	4.80	4.77	4.84	5.08	5.20	5.28	5.37	5.40	5.46	5.55	5.67	5.84
Transportation	13.14	13.21	13.40	13.96	14.41	14.82	15.20	15.59	15.99	16.40	16.79	17.17	17.56
Electric Generators 13/	0.55	0.38	0.45	0.25	0.30	0.30	0.32	0.33	0.32	0.32	0.35	0.41	0.50
Total	19.71	19.61	19.89	20.37	21.13	21.67	22.17	22.66	23.08	23.56	24.07	24.64	25.29
Discrepancy 14/	0.04	0.16	-0.02	0.24	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	-0.03	-0.03	-0.03
World Oil Price (2002 dollars per barrel) 15/	22.25	23.68	27.25	23.86	23.38	23.63	23.87	24.14	24.41	24.67	24.94	25.17	25.44
Import Share of Product Supplied	0.55	0.54	0.55	0.56	0.56	0.56	0.56	0.57	0.58	0.59	0.60	0.61	0.63
Net Expenditures for Imports of Crude Oil and Petroleum Products (billion 2002 dollars)	90.15	90.38	109.40	100.95	102.20	106.96	110.98	116.24	121.81	128.45	135.97	142.53	150.61
Domestic Refinery Distillation Capacity 16/	16.8	16.8	17.0	16.9	17.2	17.6	17.9	18.3	18.7	19.0	19.4	19.9	20.3
Capacity Utilization Rate (percent)	93.0	91.0	91.0	94.0	92.7	93.4	93.8	94.0	93.6	93.5	93.7	93.9	94.5

**Table 11. Petroleum Supply and Disposition Balance
(Million Barrels per Day, Unless Otherwise Noted)**

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002-2025
Crude Oil													
Domestic Crude Production 1/	5.59	5.56	5.45	5.31	5.29	5.15	5.02	4.90	4.83	4.92	4.88	4.72	-0.8%
Alaska	0.96	0.94	0.92	0.88	0.83	0.77	0.73	0.68	0.64	0.59	0.55	0.52	-2.8%
Lower 48 States	4.64	4.62	4.53	4.44	4.46	4.38	4.28	4.22	4.19	4.33	4.33	4.20	-0.4%
Net Imports	13.70	13.84	13.99	14.17	14.43	14.85	15.29	15.60	15.84	15.87	16.07	16.39	2.6%
Gross Imports	13.76	13.90	14.04	14.22	14.48	14.89	15.32	15.63	15.87	15.90	16.10	16.41	2.6%
Exports	0.06	0.06	0.06	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.02	4.3%
Other Crude Supply 2/	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
Total Crude Supply	19.30	19.40	19.44	19.48	19.73	20.00	20.30	20.50	20.67	20.79	20.95	21.11	1.5%
Natural Gas Plant Liquids	2.38	2.40	2.41	2.49	2.56	2.58	2.58	2.56	2.54	2.54	2.58	2.57	1.4%
Other Inputs 3/	0.45	0.45	0.45	0.45	0.46	0.47	0.47	0.47	0.48	0.48	0.50	0.52	-1.1%
Refinery Processing Gain 4/	0.96	0.95	0.96	0.97	0.99	1.00	1.01	1.01	1.01	1.01	1.01	1.02	0.2%
Net Product Imports 5/	2.59	2.93	3.29	3.52	3.65	3.77	3.96	4.21	4.46	4.75	4.99	5.37	6.0%
Gross Refined Product Imports 6/	2.84	3.10	3.24	3.24	3.36	3.48	3.67	3.91	4.13	4.40	4.65	4.98	4.2%
Unfinished Oil Imports	0.74	0.82	1.03	1.25	1.26	1.28	1.30	1.31	1.34	1.34	1.34	1.40	5.5%
Ether Imports	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
Exports	0.98	0.99	0.98	0.97	0.98	0.99	1.01	1.01	1.01	1.00	1.00	1.02	0.2%
Total Primary Supply 7/	25.68	26.14	26.54	26.91	27.38	27.82	28.32	28.75	29.16	29.57	30.03	30.58	1.9%
Refined Petroleum Products Supplied													
Motor Gasoline 8/	11.73	11.92	12.10	12.29	12.51	12.68	12.86	13.06	13.28	13.51	13.76	14.02	2.0%
Jet Fuel 9/	2.11	2.14	2.17	2.21	2.24	2.27	2.30	2.32	2.35	2.37	2.39	2.41	1.8%
Distillate Fuel 10/	5.20	5.35	5.42	5.48	5.58	5.71	5.88	6.00	6.07	6.14	6.24	6.39	2.4%
Residual Fuel	0.80	0.81	0.81	0.79	0.79	0.79	0.79	0.79	0.78	0.77	0.76	0.77	0.2%
Other 11/	5.87	5.96	6.06	6.18	6.31	6.41	6.53	6.62	6.72	6.82	6.92	7.02	1.7%
Total	25.71	26.17	26.58	26.95	27.42	27.86	28.36	28.79	29.20	29.61	30.07	30.62	2.0%
Refined Petroleum Products Supplied													
Residential and Commercial	1.40	1.40	1.41	1.41	1.41	1.41	1.42	1.42	1.42	1.42	1.43	1.42	0.7%
Industrial 12/	5.93	6.03	6.13	6.25	6.39	6.49	6.61	6.71	6.82	6.93	7.03	7.15	1.7%
Transportation	17.89	18.20	18.52	18.85	19.20	19.48	19.79	20.12	20.47	20.85	21.24	21.66	2.2%
Electric Generators 13/	0.49	0.54	0.51	0.44	0.42	0.47	0.53	0.54	0.48	0.41	0.37	0.38	0.1%
Total	25.71	26.17	26.58	26.95	27.42	27.86	28.36	28.79	29.20	29.61	30.07	30.62	2.0%
Discrepancy 14/	-0.03	-0.03	-0.03	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	N/A
World Oil Price (2002 dollars per barrel) 15/	25.65	25.86	26.09	26.37	26.71	27.04	27.27	27.53	27.76	28.00	28.22	28.55	0.8%
Import Share of Product Supplied	0.63	0.64	0.65	0.66	0.66	0.67	0.68	0.69	0.70	0.70	0.70	0.71	1.2%
Net Expenditures for Imports of Crude Oil and Petroleum Products (billion 2002 dollars)	155.58	161.95	168.46	174.03	179.80	187.38	195.83	204.34	212.07	218.19	225.51	236.71	4.3%
Domestic Refinery Distillation Capacity 16/	20.7	20.8	20.8	20.9	21.1	21.4	21.7	21.9	22.1	22.3	22.4	22.6	1.3%
Capacity Utilization Rate (percent)	94.5	94.8	94.7	94.7	94.6	94.6	94.8	94.8	94.8	94.5	94.7	94.8	0.2%

Table 11. Petroleum Supply and Disposition Balance (Million Barrels per Day, Unless Otherwise Noted)

1/ Includes lease condensate.

2/ Strategic petroleum reserve stock additions plus unaccounted for crude oil and crude stock withdrawals minus crude product supplied.

3/ Includes alcohols, ethers, petroleum product stock withdrawals, domestic sources of blending components, other hydrocarbons, natural gas converted to liquid fuel, and coal converted to liquid fuel.

4/ Represents volumetric gain in refinery distillation and cracking processes.

5/ Includes net imports of finished petroleum products, unfinished oils, other hydrocarbons, alcohols, ethers, and blending components.

6/ Includes other hydrocarbons, alcohols, and blending components.

7/ Total crude supply plus natural gas plant liquids, other inputs, refinery processing gain, and net product imports.

8/ Includes ethanol and ethers blended into gasoline.

9/ Includes only kerosene type.

10/ Includes distillate and kerosene.

11/ Includes aviation gasoline, liquefied petroleum gas, petrochemical feedstocks, lubricants, waxes, asphalt, road oil, still gas, special naphthas, petroleum coke, crude oil product supplied, and miscellaneous petroleum products.

12/ Includes consumption for combined heat and power, which produces electricity and other useful thermal energy.

13/ Includes consumption of energy by electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.

14/ Balancing item. Includes unaccounted for supply, losses and gains.

15/ Average refiner acquisition cost for imported crude oil.

16/ End-of-year capacity.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2001 and 2002 are model results and may differ slightly from official EIA data reports.

Sources: 2001 and 2002 product supplied based on: Energy Information Administration (EIA), Annual Energy Review 2002, DOE/EIA-0384(2002) (Washington, DC, October 2003).

Other 2001 data: EIA, Petroleum Supply Annual 2001, DOE/EIA-0340(2001)/1 (Washington, DC, June 2002). Other 2002 data: EIA, Petroleum Supply Annual 2002, DOE/EIA-0340(2002)/1 (Washington, DC, June 2003). Projections: EIA, AEO2004 National Energy Modeling System run HM2004.D101703A.

Table 12. Petroleum Product Prices (2002 Cents per Gallon, Unless Otherwise Noted)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
World Oil Price (2002 dollars per barrel)	22.25	23.68	27.25	23.86	23.38	23.63	23.87	24.14	24.41	24.67	24.94
Delivered Sector Product Prices											
Residential											
Distillate Fuel	126.1	114.2	126.3	115.2	111.4	111.2	110.1	110.2	110.6	110.1	110.8
Liquefied Petroleum Gas	129.1	110.8	141.4	138.6	116.8	117.7	118.1	119.8	120.5	121.4	123.9
Commercial											
Distillate Fuel	88.5	84.1	93.1	84.9	78.3	77.9	77.3	77.1	77.6	77.3	78.1
Residual Fuel	52.5	63.1	74.4	61.9	60.1	60.6	61.2	61.8	62.4	63.0	63.7
Residual Fuel (2002 dollars per barrel)	22.07	26.48	31.23	25.98	25.26	25.44	25.69	25.96	26.22	26.48	26.76
Industrial 1/											
Distillate Fuel	91.8	86.2	95.2	86.9	80.7	80.2	80.2	79.7	80.4	80.3	81.4
Liquefied Petroleum Gas	107.1	71.1	90.6	88.6	80.4	81.4	82.5	84.4	85.1	85.8	88.2
Residual Fuel	49.6	58.3	68.8	57.2	54.3	54.8	55.4	56.1	56.7	57.3	57.9
Residual Fuel (2002 dollars per barrel)	20.82	24.48	28.89	24.03	22.80	23.01	23.27	23.54	23.80	24.06	24.32
Transportation											
Diesel Fuel (Distillate) 2/	141.0	130.6	144.3	131.8	135.5	140.8	144.1	144.6	144.7	145.9	147.8
Jet Fuel 3/	84.7	80.6	90.7	85.4	82.7	79.5	78.8	79.0	79.7	80.0	81.7
Motor Gasoline 4/	148.6	138.1	155.2	141.5	145.9	146.9	148.1	149.8	150.5	150.7	151.1
Liquefied Petroleum Gas	146.9	128.7	141.3	141.2	127.5	128.3	128.8	130.2	130.7	131.6	134.0
Residual Fuel	59.0	56.5	66.7	55.4	52.2	52.7	53.3	53.9	54.5	55.0	55.6
Residual Fuel (2002 dollars per barrel)	24.80	23.71	28.00	23.28	21.93	22.15	22.38	22.63	22.87	23.12	23.37
Ethanol (E85) 5/	148.1	135.8	150.5	150.5	150.6	151.5	153.3	154.8	154.4	154.9	156.8
Electric Generators 6/											
Distillate Fuel	86.5	77.4	85.6	77.9	71.5	70.3	70.2	69.7	69.6	69.8	70.6
Residual Fuel	68.1	60.4	69.6	59.9	58.2	59.0	59.4	59.9	60.3	60.8	61.5
Residual Fuel (2002 dollars per barrel)	28.61	25.38	29.24	25.15	24.46	24.77	24.93	25.14	25.33	25.54	25.82
Refined Petroleum Product Prices 7/											
Distillate Fuel	126.8	118.1	130.1	119.3	120.1	123.7	126.1	126.5	127.3	128.5	130.1
Jet Fuel 3/	84.7	80.6	90.7	85.4	82.7	79.5	78.8	79.0	79.7	80.0	81.7
Liquefied Petroleum Gas	111.5	79.6	101.4	99.1	88.2	89.1	90.2	92.0	92.7	93.4	95.7
Motor Gasoline 4/	148.5	138.1	155.2	141.4	145.9	146.9	148.1	149.8	150.5	150.7	151.1
Residual Fuel	62.2	58.6	68.6	57.4	54.9	55.5	56.0	56.7	57.2	57.8	58.5
Residual Fuel (2002 dollars per barrel)	26.14	24.62	28.82	24.10	23.07	23.31	23.54	23.80	24.03	24.29	24.56
Average	126.7	116.1	131.5	121.7	122.2	123.4	124.6	125.8	126.6	127.1	128.0

Table 12. Petroleum Product Prices (2002 Cents per Gallon, Unless Otherwise Noted)

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
World Oil Price (2002 dollars per barrel)	25.17	25.44	25.65	25.86	26.09	26.37	26.71	27.04	27.27	27.53	27.76
Delivered Sector Product Prices											
Residential											
Distillate Fuel	112.2	113.1	114.3	116.0	116.7	117.2	117.9	118.5	119.4	120.3	120.7
Liquefied Petroleum Gas	124.1	125.2	126.1	127.1	127.2	127.4	128.3	129.4	130.4	132.2	133.9
Commercial											
Distillate Fuel	79.2	79.9	80.8	82.6	83.7	84.3	84.9	85.5	86.4	87.2	87.7
Residual Fuel	64.3	64.9	65.4	65.9	66.4	66.9	67.6	68.4	68.9	69.4	69.9
Residual Fuel (2002 dollars per barrel)	27.01	27.27	27.47	27.66	27.89	28.09	28.40	28.72	28.93	29.17	29.37
Industrial 1/											
Distillate Fuel	82.1	82.7	83.5	85.3	86.9	87.6	88.2	88.8	89.7	90.6	91.1
Liquefied Petroleum Gas	88.7	89.6	90.2	90.8	92.1	92.7	94.1	95.1	95.9	97.9	99.6
Residual Fuel	58.5	59.2	59.6	60.1	60.7	61.2	62.0	62.7	63.2	63.8	64.3
Residual Fuel (2002 dollars per barrel)	24.58	24.84	25.05	25.25	25.49	25.71	26.02	26.34	26.55	26.80	27.00
Transportation											
Diesel Fuel (Distillate) 2/	148.2	145.2	146.4	146.7	147.4	147.8	145.9	145.0	145.0	145.0	145.1
Jet Fuel 3/	81.8	81.4	81.7	83.0	84.0	84.6	84.5	84.7	85.4	86.1	86.8
Motor Gasoline 4/	150.9	150.4	150.3	150.9	151.1	151.0	148.0	151.6	152.6	153.3	153.9
Liquefied Petroleum Gas	133.6	134.6	135.6	136.7	135.9	135.3	136.1	137.2	138.2	139.9	141.7
Residual Fuel	56.2	56.8	57.2	57.7	58.2	58.8	59.6	60.4	60.9	61.5	62.0
Residual Fuel (2002 dollars per barrel)	23.59	23.85	24.04	24.24	24.46	24.71	25.04	25.36	25.58	25.82	26.04
Ethanol (E85) 5/	158.5	158.9	159.5	160.3	160.5	164.8	164.4	166.2	164.9	166.5	167.0
Electric Generators 6/											
Distillate Fuel	71.6	73.2	74.3	75.9	76.7	77.4	77.9	78.7	79.6	80.5	81.1
Residual Fuel	61.9	62.4	63.1	63.7	64.3	65.0	65.9	66.6	67.3	68.1	68.7
Residual Fuel (2002 dollars per barrel)	25.98	26.19	26.51	26.75	26.99	27.29	27.69	27.99	28.27	28.60	28.87
Refined Petroleum Product Prices 7/											
Distillate Fuel	130.6	128.2	129.4	129.9	131.2	132.4	131.4	130.7	130.5	130.8	131.5
Jet Fuel 3/	81.8	81.4	81.7	83.0	84.0	84.6	84.5	84.7	85.4	86.1	86.8
Liquefied Petroleum Gas	96.1	96.9	97.6	98.3	99.2	99.6	100.9	101.9	102.6	104.5	106.1
Motor Gasoline 4/	150.9	150.4	150.3	150.9	151.1	151.0	148.0	151.6	152.6	153.3	153.9
Residual Fuel	59.1	59.7	60.2	60.8	61.3	61.9	62.7	63.4	64.0	64.6	65.1
Residual Fuel (2002 dollars per barrel)	24.81	25.09	25.30	25.52	25.76	25.98	26.31	26.63	26.86	27.12	27.33
Average	128.1	127.4	127.9	128.6	129.2	129.7	128.2	130.0	130.6	131.4	132.2

Table 12. Petroleum Product Prices (2002 Cents per Gallon, Unless Otherwise Noted)

	2023	2024	2025	2002- 2025
World Oil Price (2002 dollars per barrel)	28.00	28.22	28.55	0.8%
Delivered Sector Product Prices				
Residential				
Distillate Fuel	121.3	122.6	125.0	0.4%
Liquefied Petroleum Gas	134.5	135.1	137.7	0.9%
Commercial				
Distillate Fuel	88.3	89.4	91.8	0.4%
Residual Fuel	70.4	70.9	71.6	0.6%
Residual Fuel (2002 dollars per barrel)	29.57	29.76	30.06	0.6%
Industrial 1/				
Distillate Fuel	91.8	92.9	95.4	0.4%
Liquefied Petroleum Gas	100.3	100.9	103.8	1.7%
Residual Fuel	64.8	65.3	66.0	0.5%
Residual Fuel (2002 dollars per barrel)	27.21	27.41	27.72	0.5%
Transportation				
Diesel Fuel (Distillate) 2/	145.8	146.0	146.7	0.5%
Jet Fuel 3/	87.5	88.4	90.0	0.5%
Motor Gasoline 4/	154.4	154.8	155.5	0.5%
Liquefied Petroleum Gas	142.0	142.4	144.7	0.5%
Residual Fuel	62.5	63.0	63.8	0.5%
Residual Fuel (2002 dollars per barrel)	26.26	26.47	26.79	0.5%
Ethanol (E85) 5/	167.4	167.6	168.3	0.9%
Electric Generators 6/				
Distillate Fuel	81.7	82.7	84.8	0.4%
Residual Fuel	69.7	70.4	71.3	0.7%
Residual Fuel (2002 dollars per barrel)	29.26	29.59	29.96	0.7%
Refined Petroleum Product Prices 7/				
Distillate Fuel	132.9	133.8	135.0	0.6%
Jet Fuel 3/	87.5	88.4	90.0	0.5%
Liquefied Petroleum Gas	106.8	107.3	110.1	1.4%
Motor Gasoline 4/	154.4	154.8	155.5	0.5%
Residual Fuel	65.7	66.2	67.0	0.6%
Residual Fuel (2002 dollars per barrel)	27.57	27.80	28.14	0.6%
Average	133.1	133.7	135.0	0.7%

Table 12. Petroleum Product Prices (2002 Cents per Gallon, Unless Otherwise Noted)

1/ Includes combined heat and power, which produces electricity and other useful thermal energy.

2/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Includes Federal and State taxes while excluding county and local taxes.

3/ Includes only kerosene type.

4/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.

5/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol actually varies seasonally. The annual average ethanol content of 74 percent ethanol was used for this forecast.

6/ Includes electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.

7/ Weighted averages of end-use fuel prices are derived from the prices in each sector and the corresponding sectoral consumption.

Note: Data for 2001 and 2002 are model results and may differ slightly from official EIA data reports.

Sources: 2001 prices for motor gasoline, distillate, and jet fuel are based on: Energy Information Administration (EIA), Petroleum Marketing Annual 2001, http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_marketing_annual/pma_historical.html (September 2002). 2002 prices for motor gasoline, distillate, and jet fuel are based on: EIA, Petroleum Marketing Annual 2002,

http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (August 2003).

2001 and 2002 residential, commercial, industrial, and transportation sector petroleum product prices are derived from: EIA, Form EIA-782A,

"Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report." 2001 and 2002 electric power prices based on: Federal Energy Regulatory

Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." 2001 and 2002 ethanol prices derived from weekly spot prices in the Oxy Fuel News. 2001 and 2002 world oil price: EIA, Annual Energy Review 2002, DOE/EIA-0384(2002) (Washington, DC, October 2003).

Projections: EIA, AEO2004 National Energy Modeling System run HM2004.D101703A.

Table 13. Natural Gas Supply and Disposition (Trillion Cubic Feet per Year)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Production											
Dry Gas Production 1/	19.70	19.05	19.57	19.67	19.78	19.97	20.29	20.50	20.66	21.30	21.52
Supplemental Natural Gas 2/	0.09	0.08	0.08	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Net Imports	3.60	3.49	3.51	3.65	3.97	4.42	4.65	5.18	5.52	5.75	6.14
Canada	3.56	3.59	3.40	3.55	3.55	3.55	3.59	3.66	3.79	3.89	3.83
Mexico	-0.13	-0.26	-0.31	-0.42	-0.43	-0.45	-0.41	-0.36	-0.32	-0.33	-0.33
Liquefied Natural Gas	0.17	0.17	0.43	0.52	0.85	1.32	1.47	1.88	2.06	2.19	2.64
Total Supply	23.39	22.62	23.15	23.40	23.85	24.49	25.03	25.77	26.28	27.15	27.75
Consumption by Sector											
Residential	4.78	4.92	5.07	5.19	5.22	5.30	5.37	5.45	5.51	5.58	5.63
Commercial	3.24	3.12	3.17	3.11	3.17	3.25	3.31	3.36	3.42	3.49	3.54
Industrial 3/	7.35	7.23	7.21	7.66	7.88	8.07	8.25	8.39	8.62	8.86	9.09
Electric Generators 4/	5.38	5.55	4.97	5.75	5.83	6.05	6.23	6.63	6.72	7.11	7.37
Transportation 5/	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.07
Pipeline Fuel	0.62	0.63	0.66	0.65	0.65	0.66	0.66	0.67	0.68	0.70	0.71
Lease and Plant Fuel 6/	1.09	1.32	1.00	1.00	1.06	1.13	1.19	1.26	1.32	1.40	1.42
Total	22.48	22.78	22.09	23.38	23.84	24.49	25.05	25.81	26.32	27.21	27.82
Gas to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Discrepancy 7/	0.92	-0.16	1.06	0.02	0.01	-0.01	-0.02	-0.03	-0.05	-0.06	-0.07

Table 13. Natural Gas Supply and Disposition (Trillion Cubic Feet per Year)

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Production											
Dry Gas Production 1/	22.04	21.98	22.34	22.65	22.86	23.83	24.59	24.91	24.96	24.76	24.64
Supplemental Natural Gas 2/	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Net Imports	6.30	6.77	6.98	6.95	7.46	7.42	7.38	7.31	7.40	7.65	7.97
Canada	3.77	3.51	3.25	3.22	3.04	2.82	2.77	2.67	2.64	2.65	2.64
Mexico	-0.26	-0.18	-0.10	-0.10	-0.10	-0.10	-0.09	-0.09	-0.07	-0.04	-0.02
Liquefied Natural Gas	2.79	3.44	3.83	3.83	4.52	4.70	4.70	4.73	4.83	5.04	5.35
Total Supply	28.44	28.84	29.42	29.70	30.42	31.34	32.07	32.32	32.46	32.50	32.70
Consumption by Sector											
Residential	5.67	5.67	5.70	5.74	5.80	5.85	5.92	5.96	6.01	6.03	6.08
Commercial	3.57	3.59	3.64	3.66	3.70	3.77	3.83	3.87	3.91	3.94	3.99
Industrial 3/	9.23	9.37	9.51	9.63	9.81	10.10	10.31	10.45	10.63	10.77	10.98
Electric Generators 4/	7.79	8.02	8.36	8.43	8.79	9.20	9.51	9.49	9.36	9.20	9.11
Transportation 5/	0.07	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.11	0.11
Pipeline Fuel	0.72	0.72	0.72	0.73	0.76	0.81	0.84	0.86	0.86	0.85	0.85
Lease and Plant Fuel 6/	1.45	1.45	1.47	1.49	1.52	1.59	1.64	1.67	1.67	1.67	1.67
Total	28.51	28.89	29.48	29.77	30.48	31.42	32.15	32.40	32.55	32.58	32.79
Gas to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Discrepancy 7/	-0.07	-0.04	-0.06	-0.07	-0.06	-0.08	-0.08	-0.08	-0.09	-0.08	-0.08

Table 13. Natural Gas Supply and Disposition (Trillion Cubic Feet per Year)

	2023	2024	2025	2002- 2025
Production				
Dry Gas Production 1/	24.72	25.19	25.16	1.2%
Supplemental Natural Gas 2/	0.10	0.10	0.10	0.8%
Net Imports	8.15	8.30	8.50	3.9%
Canada	2.67	2.76	2.81	-1.1%
Mexico	0.01	0.11	0.22	N/A
Liquefied Natural Gas	5.47	5.44	5.46	16.4%
Total Supply	32.97	33.59	33.75	1.8%
Consumption by Sector				
Residential	6.14	6.22	6.26	1.0%
Commercial	4.05	4.12	4.18	1.3%
Industrial 3/	11.21	11.46	11.69	2.1%
Electric Generators 4/	9.00	9.19	9.01	2.1%
Transportation 5/	0.11	0.12	0.12	9.9%
Pipeline Fuel	0.85	0.87	0.87	1.4%
Lease and Plant Fuel 6/	1.68	1.70	1.71	1.1%
Total	33.05	33.68	33.84	1.7%
Gas to Liquids	0.00	0.00	0.00	N/A
Discrepancy 7/	-0.08	-0.09	-0.09	N/A

Table 13. Natural Gas Supply and Disposition (Trillion Cubic Feet per Year)

1/ Marketed production (wet) minus extraction losses.

2/ Synthetic natural gas, propane air, coke oven gas, refinery gas, biomass gas, air injected for Btu stabilization, and manufactured gas commingled and distributed with natural gas.

3/ Includes consumption for combined heat and power, which produces electricity and other useful thermal energy.

4/ Includes consumption of energy by electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.

5/ Compressed natural gas used as vehicle fuel.

6/ Represents natural gas used in the field gathering and processing plant machinery.

7/ Balancing item. Natural gas lost as a result of converting flow data measured at varying temperatures and pressures to a standard temperature and pressure and the merger of different data reporting systems which vary in scope, format, definition, and respondent type. In addition, 2001 and 2002 values include net storage injections.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2001 and 2002 are model results and may differ slightly from official EIA data reports.

Sources: 2001 supply values: Energy Information Administration (EIA), Natural Gas Annual 2001, DOE/EIA-0131(2001) (Washington, DC, February 2003). 2002 supply values: EIA, Natural Gas Monthly, DOE/EIA-0130(2003/06) (Washington, DC, June 2003). 2001 imports and 2002 consumption based on: EIA, Annual Energy Review 2002, DOE/EIA-0384(2002) (Washington, DC, October 2003). Projections: EIA, AEO2004 National Energy Modeling System run HM2004.D101703A

Table 14. Natural Gas Prices, Margins and Revenues (2002 Dollars per Thousand Cubic Feet, Unless Otherwise Noted)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Source Price											
Average Lower 48 Wellhead Price 1/	4.14	2.95	4.90	3.92	3.61	3.57	3.62	3.72	3.57	3.61	3.79
Average Import Price	4.49	3.14	5.36	3.95	3.73	3.66	3.73	3.84	3.89	4.00	4.25
Average 2/	4.20	2.98	4.98	3.93	3.63	3.59	3.64	3.74	3.64	3.70	3.91
Delivered Prices											
Residential	9.79	7.86	9.29	9.11	8.70	8.51	8.39	8.33	8.14	8.11	8.27
Commercial	8.67	6.55	8.31	7.83	7.44	7.28	7.21	7.21	7.05	7.06	7.24
Industrial 3/	5.04	3.85	5.76	4.67	4.36	4.31	4.35	4.44	4.35	4.40	4.59
Electric Generators 4/	5.40	3.85	5.73	4.64	4.33	4.28	4.31	4.41	4.32	4.36	4.54
Transportation 5/	8.94	7.58	9.70	8.57	8.27	8.33	8.48	8.66	8.66	8.80	9.03
Average 6/	6.81	5.21	7.04	6.19	5.83	5.72	5.70	5.73	5.60	5.60	5.77
Transmission & Distribution Margins 7/											
Residential	5.59	4.88	4.30	5.18	5.06	4.91	4.75	4.59	4.49	4.41	4.37
Commercial	4.47	3.56	3.33	3.90	3.80	3.69	3.57	3.46	3.41	3.36	3.33
Industrial 3/	0.84	0.87	0.78	0.74	0.72	0.72	0.71	0.70	0.71	0.70	0.69
Electric Generators 4/	1.20	0.86	0.75	0.71	0.70	0.68	0.67	0.66	0.67	0.66	0.63
Transportation 5/	4.74	4.60	4.72	4.64	4.64	4.74	4.84	4.92	5.01	5.10	5.12
Average 6/	2.61	2.23	2.05	2.26	2.20	2.13	2.06	1.98	1.96	1.90	1.86
Transmission & Distribution Revenue (billion 2002 dollars)											
Residential	26.74	24.02	21.83	26.87	26.42	26.05	25.50	25.02	24.78	24.62	24.58
Commercial	14.49	11.12	10.53	12.13	12.05	11.97	11.81	11.64	11.69	11.73	11.81
Industrial 3/	6.20	6.27	5.62	5.70	5.71	5.80	5.88	5.88	6.12	6.22	6.24
Electric Generators 4/	6.46	4.78	3.72	4.07	4.06	4.14	4.19	4.39	4.53	4.66	4.68
Transportation 5/	0.05	0.06	0.10	0.12	0.15	0.18	0.21	0.24	0.27	0.31	0.34
Total	53.93	46.25	41.80	48.88	48.39	48.14	47.60	47.16	47.39	47.54	47.64

Table 14. Natural Gas Prices, Margins and Revenues (2002 Dollars per Thousand Cubic Feet, Unless Otherwise Noted)

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Source Price											
Average Lower 48 Wellhead Price 1/	4.10	4.21	4.30	4.58	4.49	4.32	4.38	4.56	4.71	4.87	4.83
Average Import Price	4.50	4.64	4.78	4.91	4.89	4.76	4.77	4.94	4.98	5.13	5.10
Average 2/	4.20	4.32	4.43	4.67	4.60	4.44	4.48	4.66	4.78	4.94	4.90
Delivered Prices											
Residential	8.53	8.63	8.72	8.91	8.82	8.64	8.67	8.85	8.95	9.10	9.04
Commercial	7.51	7.61	7.71	7.91	7.84	7.67	7.71	7.89	7.99	8.14	8.09
Industrial 3/	4.88	4.99	5.10	5.36	5.30	5.15	5.20	5.37	5.49	5.64	5.59
Electric Generators 4/	4.84	5.10	5.08	5.31	5.26	5.11	5.16	5.33	5.42	5.56	5.51
Transportation 5/	9.34	9.49	9.61	9.82	9.78	9.63	9.65	9.82	9.90	10.03	9.97
Average 6/	6.03	6.17	6.22	6.45	6.37	6.20	6.23	6.41	6.51	6.67	6.62
Transmission & Distribution Margins 7/											
Residential	4.33	4.31	4.29	4.24	4.22	4.20	4.19	4.20	4.17	4.16	4.15
Commercial	3.31	3.29	3.29	3.25	3.24	3.24	3.23	3.24	3.21	3.20	3.19
Industrial 3/	0.69	0.68	0.68	0.69	0.70	0.72	0.72	0.72	0.71	0.70	0.70
Electric Generators 4/	0.65	0.79	0.65	0.64	0.66	0.68	0.68	0.67	0.64	0.63	0.61
Transportation 5/	5.14	5.17	5.18	5.15	5.18	5.19	5.17	5.16	5.12	5.09	5.07
Average 6/	1.84	1.85	1.80	1.78	1.77	1.76	1.75	1.75	1.73	1.73	1.72
Transmission & Distribution Revenue (billion 2002 dollars)											
Residential	24.56	24.43	24.47	24.35	24.49	24.59	24.82	25.03	25.08	25.07	25.19
Commercial	11.83	11.82	11.94	11.90	12.00	12.20	12.38	12.53	12.55	12.63	12.76
Industrial 3/	6.34	6.34	6.45	6.68	6.87	7.24	7.40	7.48	7.52	7.59	7.66
Electric Generators 4/	5.05	6.30	5.46	5.40	5.80	6.24	6.47	6.37	6.02	5.75	5.56
Transportation 5/	0.37	0.40	0.42	0.44	0.46	0.49	0.50	0.52	0.54	0.55	0.56
Total	48.16	49.28	48.75	48.77	49.62	50.76	51.58	51.93	51.70	51.60	51.73

Table 14. Natural Gas Prices, Margins and Revenues (2002 Dollars per Thousand Cubic Feet, Unless Otherwise Noted)

	2023	2024	2025	2002- 2025
Source Price				
Average Lower 48 Wellhead Price 1/	4.77	4.74	4.94	2.3%
Average Import Price	5.03	5.03	5.13	2.2%
Average 2/	4.84	4.82	4.99	2.3%
Delivered Prices				
Residential	8.97	8.91	9.04	0.6%
Commercial	8.03	7.99	8.12	0.9%
Industrial 3/	5.54	5.53	5.69	1.7%
Electric Generators 4/	5.45	5.44	5.57	1.6%
Transportation 5/	9.90	9.84	9.95	1.2%
Average 6/	6.56	6.53	6.68	1.1%
Transmission & Distribution Margins 7/				
Residential	4.13	4.09	4.05	-0.8%
Commercial	3.18	3.17	3.12	-0.6%
Industrial 3/	0.69	0.71	0.70	-0.9%
Electric Generators 4/	0.60	0.62	0.58	-1.7%
Transportation 5/	5.05	5.02	4.96	0.3%
Average 6/	1.72	1.71	1.69	-1.2%
Transmission & Distribution Revenue (billion 2002 dollars)				
Residential	25.32	25.45	25.32	0.2%
Commercial	12.90	13.05	13.05	0.7%
Industrial 3/	7.79	8.08	8.18	1.2%
Electric Generators 4/	5.43	5.67	5.25	0.4%
Transportation 5/	0.58	0.59	0.60	10.3%
Total	52.03	52.85	52.41	0.5%

Table 14. Natural Gas Prices, Margins and Revenues (2002 Dollars per Thousand Cubic Feet, Unless Otherwise Noted)

1/ Represents lower 48 onshore and offshore supplies.

2/ Quantity-weighted average of the average lower 48 wellhead price and the average price of imports at the U.S. border.

3/ Includes consumption for combined heat and power, which produces electricity and other useful thermal energy.

4/ Includes consumption of energy by electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.

5/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.

6/ Weighted average prices and margins. Weights used are the sectoral consumption values excluding lease, plant, and pipeline fuel.

7/ Within the table, "transmission and distribution" margins equal the difference between the delivered price and the source price (average of the wellhead price and the price of imports at the U.S. border) of natural gas and, thus, reflect the total cost of bringing natural gas to market. When the term "transmission and distribution" margins is used in today's natural gas market, it generally does not include the cost of independent natural gas marketers or costs associated with aggregation of supplies, provisions of storage, and other services. As used here, the term includes the cost of all services and the cost of pipeline fuel used in compressor stations.

Note: Totals may not equal sum of components due to independent rounding. Data for 2001 and 2002 are model results and may differ slightly from official EIA data reports.

Sources: 2001 residential, commercial, and transportation delivered prices; average lower 48 wellhead price; and average import price: Energy Information Administration (EIA), Natural Gas Annual 2001, DOE/EIA-0131(2001) (Washington, DC, February 2003). 2001 and 2002 electric generators delivered price: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." 2001 and 2002 industrial delivered prices based on EIA, Manufacturing Energy Consumption Survey 1998. 2002 residential, commercial, and transportation delivered prices; average lower 48 wellhead price; and average import price: EIA, Natural Gas Monthly, DOE/EIA-0130(2003/06) (Washington, DC, June 2003). Other 2001 and 2002 values: EIA, Office of Integrated Analysis and Forecasting. Projections: EIA, AEO2004 National Energy Modeling System run HM2004.D101703A.

Table 15. Oil and Gas Supply

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Crude Oil											
Lower 48 Average Wellhead Price 1/ (2002 dollars per barrel)	23.16	24.54	27.29	24.36	22.86	23.10	23.38	23.65	23.95	24.20	24.82
Production (million barrels per day) 2/											
U.S. Total	5.74	5.62	5.69	5.80	5.86	5.94	6.09	6.12	6.06	5.95	5.84
Lower 48 Onshore	3.14	3.11	2.93	2.95	2.90	2.83	2.78	2.72	2.67	2.62	2.57
Lower 48 Offshore	1.64	1.53	1.78	1.90	2.06	2.22	2.40	2.46	2.45	2.41	2.34
Alaska	0.96	0.98	0.98	0.95	0.90	0.88	0.91	0.94	0.94	0.92	0.93
Lower 48 End of Year Reserves (billion barrels) 2/	19.14	19.05	19.23	18.96	18.60	18.62	18.91	18.89	18.70	18.42	18.13
Natural Gas											
Lower 48 Average Wellhead Price 1/ (2002 dollars per thousand cubic feet)	4.14	2.95	4.90	3.92	3.61	3.57	3.62	3.72	3.57	3.61	3.79
Dry Production (trillion cubic feet) 3/											
U.S. Total	19.70	19.05	19.57	19.67	19.78	19.97	20.29	20.50	20.66	21.30	21.52
Lower 48 Onshore	13.90	13.76	13.83	14.03	14.15	14.35	14.60	14.83	14.91	15.13	15.37
Associated-Dissolved 4/	1.63	1.60	1.54	1.54	1.52	1.50	1.47	1.45	1.43	1.41	1.39
Non-Associated	12.27	12.16	12.29	12.49	12.62	12.86	13.13	13.38	13.48	13.72	13.99
Conventional	6.62	6.23	6.07	6.32	6.34	6.25	6.19	6.10	6.01	6.07	6.08
Unconventional	5.65	5.93	6.22	6.17	6.28	6.61	6.94	7.28	7.47	7.65	7.91
Lower 48 Offshore	5.37	4.86	5.23	5.10	5.08	5.05	5.11	5.08	5.16	5.57	5.53
Associated-Dissolved 4/	1.15	1.05	1.13	1.16	1.16	1.16	1.48	1.76	1.70	1.61	1.52
Non-Associated	4.21	3.81	4.10	3.94	3.92	3.89	3.63	3.32	3.47	3.96	4.01
Alaska	0.44	0.43	0.51	0.54	0.56	0.57	0.58	0.59	0.59	0.60	0.61
Lower 48 End of Year Dry Reserves (tcf) 3/	174.66	180.03	182.48	187.31	191.24	194.72	196.23	198.88	201.40	202.86	204.15
Supplemental Gas Supplies (tcf) 5/	0.09	0.08	0.08	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Lower 48 Wells (thousands)	34.10	24.47	28.30	27.73	26.94	26.39	26.21	26.83	25.84	25.99	26.52

Table 15. Oil and Gas Supply

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Crude Oil											
Lower 48 Average Wellhead Price 1/ (2002 dollars per barrel)	24.65	24.92	25.30	25.36	25.83	26.21	26.33	26.89	26.96	27.58	27.54
Production (million barrels per day) 2/											
U.S. Total	5.74	5.68	5.59	5.56	5.45	5.31	5.29	5.15	5.02	4.90	4.83
Lower 48 Onshore	2.53	2.48	2.44	2.40	2.36	2.32	2.29	2.25	2.23	2.19	2.16
Lower 48 Offshore	2.28	2.26	2.20	2.22	2.17	2.11	2.17	2.12	2.06	2.03	2.03
Alaska	0.93	0.94	0.96	0.94	0.92	0.88	0.83	0.77	0.73	0.68	0.64
Lower 48 End of Year Reserves (billion barrels) 2/	17.80	17.60	17.31	17.24	16.99	16.71	16.71	16.58	16.21	15.98	15.80
Natural Gas											
Lower 48 Average Wellhead Price 1/ (2002 dollars per thousand cubic feet)	4.10	4.21	4.30	4.58	4.49	4.32	4.38	4.56	4.71	4.87	4.83
Dry Production (trillion cubic feet) 3/											
U.S. Total	22.04	21.98	22.35	22.65	22.86	23.83	24.59	24.91	24.97	24.76	24.64
Lower 48 Onshore	15.96	16.09	16.49	16.99	16.59	16.60	17.00	17.08	17.21	17.13	16.99
Associated-Dissolved 4/	1.37	1.35	1.33	1.32	1.30	1.28	1.27	1.25	1.24	1.23	1.22
Non-Associated	14.59	14.74	15.16	15.68	15.29	15.32	15.73	15.83	15.97	15.90	15.78
Conventional	6.23	6.17	6.26	6.40	6.19	6.20	6.34	6.36	6.41	6.42	6.33
Unconventional	8.36	8.57	8.90	9.28	9.10	9.12	9.38	9.47	9.55	9.48	9.45
Lower 48 Offshore	5.47	5.27	5.22	5.01	4.82	4.95	5.13	5.17	5.09	4.95	4.96
Associated-Dissolved 4/	1.44	1.37	1.36	1.34	1.38	1.38	1.34	1.34	1.33	1.29	1.29
Non-Associated	4.03	3.90	3.86	3.68	3.44	3.57	3.79	3.82	3.76	3.66	3.66
Alaska	0.62	0.63	0.64	0.64	1.46	2.27	2.47	2.67	2.67	2.68	2.69
Lower 48 End of Year Dry Reserves (tcf) 3/	204.98	206.39	206.18	205.81	206.09	206.61	205.41	204.26	201.88	200.50	199.19
Supplemental Gas Supplies (tcf) 5/	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Lower 48 Wells (thousands)	26.78	27.13	27.61	28.21	28.43	27.82	27.69	27.92	27.68	27.80	27.35

Table 15. Oil and Gas Supply

	2023	2024	2025	2002- 2025
Crude Oil				
Lower 48 Average Wellhead Price 1/ (2002 dollars per barrel)	28.21	28.10	28.45	0.6%
Production (million barrels per day) 2/				
U.S. Total	4.92	4.88	4.72	-0.8%
Lower 48 Onshore	2.13	2.10	2.07	-1.8%
Lower 48 Offshore	2.20	2.22	2.13	1.4%
Alaska	0.59	0.55	0.52	-2.8%
Lower 48 End of Year Reserves (billion barrels) 2/	15.98	15.74	15.29	-1.0%
Natural Gas				
Lower 48 Average Wellhead Price 1/ (2002 dollars per thousand cubic feet)	4.77	4.74	4.94	2.3%
Dry Production (trillion cubic feet) 3/				
U.S. Total	24.72	25.19	25.16	1.2%
Lower 48 Onshore	16.97	17.20	17.28	1.0%
Associated-Dissolved 4/	1.20	1.19	1.18	-1.3%
Non-Associated	15.76	16.01	16.10	1.2%
Conventional	6.30	6.30	6.30	0.0%
Unconventional	9.46	9.71	9.80	2.2%
Lower 48 Offshore	5.06	5.28	5.17	0.3%
Associated-Dissolved 4/	1.31	1.48	1.48	1.5%
Non-Associated	3.75	3.80	3.69	-0.1%
Alaska	2.70	2.70	2.71	8.3%
Lower 48 End of Year Dry Reserves (tcf) 3/	198.28	195.41	192.74	0.3%
Supplemental Gas Supplies (tcf) 5/	0.10	0.10	0.10	0.8%
Lower 48 Wells (thousands)	27.79	27.55	27.45	0.5%

Table 15. Oil and Gas Supply

1/ Represents lower 48 onshore and offshore supplies.

2/ Includes lease condensate.

3/ Marketed production (wet) minus extraction losses.

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

5/ Synthetic natural gas, propane air, coke oven gas, refinery gas, biomass gas, air injected for Btu stabilization, and manufactured gas commingled and distributed with natural gas.

Tcf = Trillion cubic feet.

Note: Totals may not equal sum of components due to independent rounding. Data for 2001 and 2002 are model results and may differ slightly from official EIA data reports.

Sources: 2001 and 2002 lower 48 onshore, lower 48 offshore, and Alaska crude oil production: Energy Information Administration (EIA), Petroleum Supply Annual 2002, DOE/EIA-0340(2002)/1 (Washington, DC, June 2003). 2001 U.S. crude oil and natural gas reserves: EIA, U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, DOE/EIA-0216(2001) (Washington, DC, November 2002). 2001 natural gas lower 48 average wellhead price, natural gas production, and supplemental gas supplies: EIA, Natural Gas Annual 2001, DOE/EIA-0131(2001) (Washington, DC, February 2003). 2002 natural gas lower 48 average wellhead price, natural gas production, and supplemental gas supplies: EIA, Natural Gas Monthly, DOE/EIA-0130(2003/06) (Washington, DC, June 2003). Other 2001 and 2002 values: EIA, Office of Integrated Analysis and Forecasting. Projections: EIA, AEO2004 National Energy Modeling System run HM2004.D101703A.

Table 16. Coal Supply, Disposition, and Prices
(Million Short Tons per Year, Unless Otherwise Noted)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Production 1/														
Appalachia	443	408	388	396	401	408	411	413	420	421	417	409	402	406
Interior	147	147	151	160	153	162	168	169	180	181	175	170	166	160
West	548	550	561	569	593	605	622	629	632	640	662	679	696	708
East of the Mississippi	539	504	484	499	502	516	525	529	539	541	537	526	516	514
West of the Mississippi	599	601	616	625	645	658	676	682	693	702	716	732	749	760
Total	1138	1105	1100	1124	1147	1174	1201	1212	1232	1242	1253	1258	1265	1274
Net Imports														
Imports	20	17	21	23	25	27	29	31	32	33	34	35	36	37
Exports	49	40	42	41	40	39	38	37	36	35	34	32	31	31
Total	-29	-23	-21	-18	-15	-12	-9	-7	-4	-2	0	4	5	6
Total Supply 2/	1109	1083	1079	1106	1132	1162	1192	1205	1228	1240	1253	1262	1270	1280
Consumption by Sector														
Residential and Commercial	4	4	5	5	5	5	5	5	5	5	5	5	5	5
Industrial 3/	65	63	64	65	65	66	66	66	66	67	67	67	68	68
of which: Coal to Liquids	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coke Plants	26	23	25	25	25	25	24	24	24	23	23	22	22	22
Electric Generators 4/	964	976	1005	1006	1037	1067	1097	1111	1133	1145	1159	1167	1176	1186
Total	1060	1066	1100	1101	1133	1162	1192	1206	1228	1240	1254	1262	1271	1280
Discrepancy and Stock Change 5/	49	17	-21	5	0	0	0	0	0	0	0	0	-1	0
Average Minemouth Price (2002 dollars per short ton)	17.79	17.90	17.76	17.81	17.43	17.35	17.30	17.41	17.58	17.47	17.32	17.10	16.98	16.74
(2002 dollars per million Btu)	0.87	0.87	0.86	0.86	0.85	0.84	0.84	0.85	0.85	0.85	0.84	0.84	0.83	0.82
Delivered Price (2002 dollars per short ton)														
Industrial	32.96	33.24	35.50	35.87	35.20	35.49	35.46	35.72	35.76	35.76	35.74	35.42	35.34	35.07
Coke Plants	46.94	51.27	55.60	56.36	55.28	55.47	54.95	55.25	55.09	55.04	54.73	54.23	53.92	53.84
Electric Generators														
(2002 dollars / short ton)	25.13	25.96	24.98	25.41	25.25	25.40	25.30	25.57	25.57	25.52	25.52	25.32	25.39	25.07
(2002 dollars /million Btu)	1.25	1.26	1.24	1.26	1.25	1.26	1.25	1.26	1.27	1.26	1.26	1.26	1.26	1.25
Average	26.15	26.93	26.29	26.74	26.50	26.61	26.47	26.72	26.70	26.63	26.61	26.38	26.42	26.09
Exports 7/	37.39	40.44	37.37	37.46	37.06	37.12	36.87	37.28	37.27	37.22	36.99	36.14	36.01	35.99

Table 16. Coal Supply, Disposition, and Prices
(Million Short Tons per Year, Unless Otherwise Noted)

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002-2025
Production 1/												
Appalachia	408	400	408	409	418	426	435	444	457	456	462	0.5%
Interior	158	164	165	171	175	177	181	184	188	188	192	1.2%
West	722	742	748	754	762	779	798	827	861	896	931	2.3%
East of the Mississippi	515	512	522	529	543	553	566	579	595	595	605	0.8%
West of the Mississippi	774	794	799	804	812	829	848	877	911	945	981	2.2%
Total	1288	1306	1320	1333	1355	1382	1414	1455	1506	1540	1586	1.6%
Net Imports												
Imports	38	38	39	40	40	42	43	44	45	45	46	4.4%
Exports	32	32	31	29	28	26	27	27	27	24	21	-2.7%
Total	6	6	8	11	13	16	16	17	18	22	25	N/A
Total Supply 2/	1294	1312	1329	1344	1367	1398	1430	1472	1524	1561	1611	1.7%
Consumption by Sector												
Residential and Commercial	5	5	5	5	5	5	5	5	5	5	5	0.4%
Industrial 3/	68	69	69	69	69	70	70	70	71	75	79	1.0%
of which: Coal to Liquids	0	0	0	0	0	0	0	0	0	4	8	N/A
Coke Plants	21	21	20	20	19	19	18	18	18	17	17	-1.2%
Electric Generators 4/	1200	1219	1235	1251	1275	1305	1338	1380	1432	1465	1510	1.9%
Total	1295	1313	1329	1345	1368	1399	1431	1473	1525	1562	1612	1.8%
Discrepancy and Stock Change 5/	0	-1	0	-1	-1	-1	-1	-1	-1	-1	-1	N/A
Average Minemouth Price												
(2002 dollars per short ton)	16.75	16.53	16.57	16.63	16.82	16.92	17.22	17.55	17.79	17.84	17.95	0.0%
(2002 dollars per million Btu)	0.82	0.81	0.81	0.82	0.82	0.83	0.84	0.86	0.87	0.88	0.88	0.1%
Delivered Price (2002 dollars per short ton)												
Industrial	35.02	34.93	34.80	34.90	34.91	34.96	35.37	35.67	35.81	34.56	33.61	0.0%
Coke Plants	53.72	53.51	53.24	53.20	52.73	52.22	51.60	51.38	51.04	50.84	50.50	-0.1%
Electric Generators												
(2002 dollars / short ton)	25.10	24.97	24.85	24.93	24.97	25.03	25.34	25.66	25.89	26.04	26.29	0.1%
(2002 dollars /million Btu)	1.25	1.25	1.24	1.24	1.24	1.24	1.26	1.27	1.28	1.29	1.30	0.2%
Average	26.09	25.94	25.80	25.86	25.87	25.90	26.17	26.46	26.64	26.73	26.91	0.0%
Exports 7/	36.00	35.90	36.33	36.07	35.62	35.20	34.79	34.97	34.87	34.54	33.74	-0.8%

Table 16. Coal Supply, Disposition, and Prices
(Million Short Tons per Year, Unless Otherwise Noted)

1/ Includes anthracite, bituminous coal, lignite, and waste coal delivered to independent power producers. Waste coal deliveries totaled 10.6 million tons in 2001 and 11.1 million tons in 2002.

2/ Production plus net imports plus net storage withdrawals.

3/ Includes consumption for combined heat and power plants, except those plants whose primary business is to sell electricity, or electricity and heat, to the public.

4/ Includes all electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public.

5/ Balancing item: the sum of production, net imports, and net storage withdrawals minus total consumption.

6/ Sectoral prices weighted by consumption tonnage; weighted average excludes residential/ commercial prices and export free-alongside-ship (f.a.s.) prices.

7/ F.a.s. price at U.S. port of exit.

N/A = Not applicable.

Btu = British thermal unit.

Note: Totals may not equal sum of components due to independent rounding. Data for 2001 and 2002 are model results and may differ slightly from official EIA data reports.

Sources: 2001: Energy Information Administration (EIA), Annual Coal Report 2001, DOE/EIA-0584(2001) (Washington, DC, March 2003). 2002 data based on: EIA, Quarterly Coal Report, October-December 2002, DOE/EIA-0121(2002/4Q) (Washington, DC, March 2003), EIA, Annual Coal Report 2002, DOE/EIA-0584(2002) (Washington, DC, November 2003), and EIA, AEO2004 National Energy Modeling System run HM2004.D101703A. Projections: EIA, AEO2004 National Energy Modeling System run HM2004.D101703A.

**Table 17. Renewable Energy Generating Capacity and Generation
(Gigawatts, Unless Otherwise Noted)**

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electric Power Sector 1/												
Net Summer Capacity												
Conventional Hydropower	78.13	78.29	78.43	78.50	78.57	78.71	78.71	78.71	78.71	78.69	78.68	78.68
Geothermal 2/	2.88	2.89	2.90	2.81	2.90	3.15	3.40	3.63	3.89	4.11	4.38	4.56
Municipal Solid Waste 3/	3.38	3.49	3.61	3.65	3.66	3.69	3.86	3.89	3.89	3.89	3.90	3.90
Wood and Other Biomass 4,5/	1.79	1.83	1.85	1.87	1.89	1.99	2.04	2.09	2.14	2.14	2.17	2.17
Solar Thermal	0.33	0.33	0.33	0.34	0.42	0.42	0.42	0.43	0.43	0.43	0.46	0.46
Solar Photovoltaic 6/	0.02	0.02	0.04	0.05	0.06	0.08	0.10	0.12	0.14	0.15	0.17	0.18
Wind	4.15	4.83	6.50	6.62	6.68	6.91	7.48	7.69	8.08	8.74	9.20	9.47
Total	90.67	91.69	93.66	93.83	94.19	94.96	96.02	96.56	97.28	98.15	98.96	99.43
Generation (billion kilowatthours)												
Conventional Hydropower	213.75	255.78	269.65	303.07	303.44	304.16	304.44	304.46	304.49	304.40	304.36	304.40
Geothermal 2/	13.74	13.36	13.82	13.66	14.23	15.95	18.21	20.13	22.25	24.03	26.25	27.73
Municipal Solid Waste 3/	19.22	20.02	25.58	25.97	26.12	26.30	27.60	27.82	27.91	27.94	27.98	27.99
Wood and Other Biomass 5/	8.56	8.67	15.61	16.40	19.59	20.55	21.66	22.45	23.68	25.40	25.96	25.67
Dedicated Plants	7.22	6.32	10.77	10.99	11.20	11.83	12.21	12.55	13.02	13.11	13.26	13.24
Cofiring	1.34	2.35	4.84	5.41	8.39	8.71	9.45	9.90	10.66	12.29	12.70	12.43
Solar Thermal	0.54	0.54	0.52	0.52	0.72	0.80	0.81	0.82	0.83	0.84	0.90	0.93
Solar Photovoltaic 6/	0.00	0.00	0.08	0.11	0.15	0.19	0.23	0.28	0.32	0.36	0.40	0.44
Wind	6.74	10.51	17.38	19.08	19.40	20.07	21.86	22.88	24.36	26.63	28.38	29.34
Total	262.55	308.87	342.64	378.82	383.65	388.00	394.80	398.84	403.84	409.59	414.24	416.51
End Use Sector												
Net Summer Capacity												
Combined Heat and Power 7/												
Municipal Solid Waste	0.21	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Biomass	3.80	3.91	3.97	4.33	4.69	4.94	5.12	5.31	5.55	5.83	6.13	6.45
Total	4.01	4.16	4.23	4.58	4.95	5.20	5.37	5.56	5.80	6.09	6.39	6.70
Other End-Use Generators 8/												
Conventional Hydropower 9/	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solar Photovoltaic	0.03	0.04	0.06	0.08	0.10	0.14	0.19	0.24	0.31	0.39	0.39	0.40
Total	1.05	1.06	1.08	1.10	1.12	1.16	1.21	1.27	1.33	1.41	1.42	1.42
Generation (billion kwh)												
Combined Heat and Power 7/												
Municipal Solid Waste	1.78	1.84	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
Biomass	26.91	28.16	28.56	30.62	32.76	34.22	35.24	36.34	37.75	39.42	41.17	42.99
Total	28.68	30.00	30.66	32.72	34.86	36.32	37.34	38.44	39.85	41.52	43.27	45.10
Other End-Use Generators 8/												
Conventional Hydropower 9/	3.21	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11
Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solar Photovoltaic	0.06	0.09	0.12	0.16	0.22	0.30	0.41	0.52	0.66	0.82	0.84	0.86
Total	3.27	4.20	4.23	4.27	4.33	4.41	4.52	4.63	4.77	4.93	4.95	4.97

**Table 17. Renewable Energy Generating Capacity and Generation
(Gigawatts, Unless Otherwise Noted)**

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Electric Power Sector 1/												
Net Summer Capacity												
Conventional Hydropower	78.68	78.68	78.68	78.68	78.68	78.68	78.68	78.68	78.68	78.68	78.68	78.68
Geothermal 2/	4.80	5.01	5.23	5.39	5.61	5.78	6.07	6.36	6.56	6.64	6.77	6.99
Municipal Solid Waste 3/	3.90	3.90	3.90	3.93	3.93	3.95	4.06	4.06	4.06	4.06	4.06	4.07
Wood and Other Biomass 4,5/	2.17	2.17	2.37	2.72	2.86	3.23	4.00	4.62	5.26	5.53	6.06	7.31
Solar Thermal	0.47	0.47	0.47	0.48	0.48	0.49	0.49	0.49	0.50	0.50	0.51	0.51
Solar Photovoltaic 6/	0.20	0.22	0.24	0.25	0.27	0.29	0.31	0.32	0.34	0.36	0.38	0.39
Wind	9.86	10.10	10.79	12.33	13.60	15.49	17.81	20.65	21.88	25.31	26.21	26.51
Total	100.08	100.56	101.69	103.79	105.43	107.91	111.42	115.18	117.27	121.08	122.67	124.47
Generation (billion kilowatthours)												
Conventional Hydropower	304.44	304.48	304.52	304.55	304.59	304.62	304.65	304.69	304.72	304.76	304.80	304.84
Geothermal 2/	29.74	31.42	33.28	34.63	36.40	37.79	40.18	42.51	44.22	44.95	46.11	47.88
Municipal Solid Waste 3/	28.01	28.02	28.03	28.27	28.28	28.47	29.31	29.32	29.34	29.37	29.40	29.44
Wood and Other Biomass 5/	26.09	26.14	26.78	28.57	29.61	31.10	33.08	33.30	35.27	37.21	40.24	45.84
Dedicated Plants	13.25	13.23	14.06	15.79	17.13	19.38	23.25	27.29	31.81	34.65	38.09	44.05
Cofiring	12.85	12.91	12.72	12.78	12.49	11.71	9.83	6.01	3.47	2.56	2.16	1.79
Solar Thermal	0.94	0.96	0.97	0.98	1.00	1.01	1.02	1.04	1.05	1.06	1.08	1.09
Solar Photovoltaic 6/	0.49	0.53	0.57	0.62	0.66	0.71	0.75	0.79	0.84	0.88	0.93	0.97
Wind	30.71	31.61	34.08	39.71	44.29	51.21	59.77	70.33	74.87	87.74	91.14	92.27
Total	420.43	423.17	428.24	437.33	444.83	454.90	468.76	481.98	490.31	505.98	513.71	522.33
End Use Sector												
Net Summer Capacity												
Combined Heat and Power 7/												
Municipal Solid Waste	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Biomass	6.78	7.06	7.29	7.52	7.77	8.00	8.17	8.37	8.56	8.76	8.96	9.16
Total	7.03	7.31	7.54	7.77	8.02	8.25	8.43	8.62	8.81	9.01	9.22	9.41
Other End-Use Generators 8/												
Conventional Hydropower 9/	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solar Photovoltaic	0.41	0.42	0.42	0.43	0.47	0.53	0.60	0.70	0.81	0.94	1.10	1.29
Total	1.43	1.44	1.45	1.45	1.49	1.55	1.63	1.72	1.84	1.96	2.12	2.32
Generation (billion kwh)												
Combined Heat and Power 7/												
Municipal Solid Waste	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
Biomass	44.93	46.56	47.93	49.25	50.70	52.07	53.07	54.23	55.34	56.47	57.69	58.85
Total	47.04	48.67	50.03	51.35	52.80	54.17	55.18	56.33	57.44	58.57	59.79	60.95
Other End-Use Generators 8/												
Conventional Hydropower 9/	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11	4.11
Geothermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solar Photovoltaic	0.87	0.89	0.91	0.92	1.00	1.13	1.30	1.50	1.75	2.02	2.35	2.77
Total	4.98	5.00	5.02	5.03	5.11	5.24	5.41	5.61	5.86	6.13	6.46	6.88

**Table 17. Renewable Energy Generating Capacity and Generation
(Gigawatts, Unless Otherwise Noted)**

	2025	2002- 2025
Electric Power Sector 1/		
Net Summer Capacity		
Conventional Hydropower	78.68	0.0%
Geothermal 2/	7.30	4.1%
Municipal Solid Waste 3/	4.07	0.7%
Wood and Other Biomass 4,5/	8.13	6.7%
Solar Thermal	0.52	1.9%
Solar Photovoltaic 6/	0.41	13.5%
Wind	26.84	7.7%
Total	125.95	1.4%
Generation (billion kilowatthours)		
Conventional Hydropower	304.88	0.8%
Geothermal 2/	50.32	5.9%
Municipal Solid Waste 3/	29.49	1.7%
Wood and Other Biomass 5/	51.55	8.1%
Dedicated Plants	49.87	9.4%
Cofiring	1.68	-1.5%
Solar Thermal	1.11	3.2%
Solar Photovoltaic 6/	1.02	28.8%
Wind	93.54	10.0%
Total	531.90	2.4%
End Use Sector		
Net Summer Capacity		
Combined Heat and Power 7/		
Municipal Solid Waste	0.25	0.0%
Biomass	9.38	3.9%
Total	9.64	3.7%
Other End-Use Generators 8/		
Conventional Hydropower 9/	1.02	0.0%
Geothermal	0.00	N/A
Solar Photovoltaic	1.55	17.0%
Total	2.57	3.9%
Generation (billion kwh)		
Combined Heat and Power 7/		
Municipal Solid Waste	2.10	0.6%
Biomass	60.14	3.4%
Total	62.24	3.2%
Other End-Use Generators 8/		
Conventional Hydropower 9/	4.11	0.0%
Geothermal	0.00	N/A
Solar Photovoltaic	3.31	17.0%
Total	7.42	2.5%

Table 17. Renewable Energy Generating Capacity and Generation (Gigawatts, Unless Otherwise Noted)

1/ Includes electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public.

2/ Includes hydrothermal resources only (hot water and steam).

3/ Includes landfill gas.

4/ Facilities co-firing biomass and coal are classified as coal.

5/ Includes projections for energy crops after 2010.

6/ Does not include off-grid photovoltaics (PV). See Annual Energy Review 2001 Table 10.6 for estimates of 1989-2000 PV shipments, including exports, for both grid-connected and off-grid applications.

7/ Includes combined heat and power plants and electricity-only plants in the commercial and industrial sectors.

8/ Includes small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.

8/ Represents own-use industrial hydroelectric power.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2001 and 2002 are model results and may differ slightly from official EIA data reports.

Sources: 2001 and 2002 capacity: Energy Information Administration (EIA), Form EIA-860, "Annual Electric Generator Report," 2002 (preliminary). 2001 and 2002 generation: EIA, Annual Energy Review 2002, DOE/EIA-0384(2002) (Washington, DC, October 2003). Projections: EIA, AEO2004 National Energy Modeling System run HM2004.D101703A.

**Table 18. Renewable Energy Consumption by Sector and Source 1/
(Quadrillion Btu per Year)**

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Marketed Renewable Energy 2/												
Residential	0.36	0.39	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
Wood	0.36	0.39	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
Commercial	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Biomass	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Industrial 3/	1.64	1.66	1.66	1.75	1.83	1.90	1.94	1.99	2.06	2.13	2.20	2.27
Conventional Hydroelectric	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Municipal Solid Waste	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Biomass	1.59	1.60	1.61	1.70	1.78	1.84	1.89	1.94	2.00	2.07	2.15	2.22
Transportation	0.14	0.17	0.23	0.26	0.27	0.27	0.28	0.29	0.29	0.30	0.30	0.31
Ethanol used in E85 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol used in Gasoline Blending	0.14	0.17	0.23	0.26	0.27	0.27	0.28	0.28	0.29	0.30	0.30	0.31
Electric Generators 5/	3.16	3.69	3.81	4.19	4.25	4.34	4.47	4.55	4.65	4.75	4.85	4.91
Conventional Hydroelectric	2.29	2.75	2.78	3.12	3.12	3.13	3.13	3.13	3.13	3.13	3.13	3.13
Geothermal	0.29	0.30	0.30	0.30	0.32	0.37	0.45	0.51	0.58	0.64	0.71	0.76
Municipal Solid Waste 6/	0.33	0.34	0.35	0.36	0.36	0.36	0.38	0.38	0.38	0.38	0.39	0.39
Biomass	0.15	0.17	0.20	0.21	0.24	0.26	0.27	0.28	0.29	0.31	0.32	0.32
Dedicated Plants	0.12	0.11	0.13	0.13	0.12	0.13	0.14	0.14	0.15	0.15	0.15	0.15
Cofiring	0.03	0.06	0.07	0.08	0.12	0.12	0.13	0.14	0.15	0.17	0.17	0.17
Solar Thermal	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wind	0.08	0.13	0.18	0.20	0.20	0.21	0.22	0.24	0.25	0.27	0.29	0.30
Total Marketed Renewable Energy	5.40	6.01	6.22	6.70	6.86	7.01	7.19	7.34	7.51	7.68	7.86	8.00
Sources of Ethanol												
From Corn	0.14	0.17	0.23	0.26	0.27	0.27	0.28	0.29	0.29	0.30	0.30	0.30
From Cellulose	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Total	0.14	0.17	0.23	0.26	0.27	0.27	0.28	0.29	0.29	0.30	0.30	0.31
Non-Marketed Renewable Energy												
-- Selected Consumption 7/												
Residential	0.04	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
Solar Hot Water Heating	0.04	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Geothermal Heat Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Solar Thermal	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Table 18. Renewable Energy Consumption by Sector and Source 1/
(Quadrillion Btu per Year)**

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Marketed Renewable Energy 2/												
Residential	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
Wood	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
Commercial	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Biomass	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Industrial 3/	2.35	2.42	2.48	2.54	2.61	2.68	2.73	2.79	2.84	2.89	2.95	3.01
Conventional Hydroelectric	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Municipal Solid Waste	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Biomass	2.30	2.37	2.43	2.49	2.56	2.63	2.68	2.73	2.79	2.84	2.90	2.96
Transportation	0.31	0.32	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.37
Ethanol used in E85 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol used in Gasoline Blending	0.31	0.32	0.32	0.33	0.33	0.34	0.34	0.34	0.35	0.35	0.36	0.37
Electric Generators 5/	4.99	5.05	5.14	5.26	5.38	5.51	5.70	5.88	6.00	6.17	6.27	6.39
Conventional Hydroelectric	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13	3.13
Geothermal	0.82	0.87	0.93	0.98	1.03	1.08	1.16	1.23	1.29	1.31	1.35	1.41
Municipal Solid Waste 6/	0.39	0.39	0.39	0.39	0.39	0.39	0.40	0.40	0.40	0.40	0.40	0.40
Biomass	0.32	0.32	0.32	0.34	0.35	0.36	0.38	0.37	0.39	0.40	0.43	0.48
Dedicated Plants	0.15	0.15	0.16	0.17	0.19	0.21	0.26	0.30	0.35	0.37	0.40	0.46
Cofiring	0.17	0.17	0.17	0.17	0.16	0.15	0.12	0.07	0.04	0.03	0.02	0.02
Solar Thermal	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wind	0.32	0.33	0.35	0.41	0.46	0.53	0.61	0.72	0.77	0.90	0.94	0.95
Total Marketed Renewable Energy	8.16	8.30	8.46	8.64	8.83	9.04	9.28	9.53	9.70	9.93	10.10	10.29
Sources of Ethanol												
From Corn	0.30	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.32	0.32	0.32	0.32
From Cellulose	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05
Total	0.31	0.32	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.37
Non-Marketed Renewable Energy												
-- Selected Consumption 7/												
Residential	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05
Solar Hot Water Heating	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04
Geothermal Heat Pumps	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Commercial	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Solar Thermal	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01

**Table 18. Renewable Energy Consumption by Sector and Source 1/
(Quadrillion Btu per Year)**

	2025	2002- 2025
Marketed Renewable Energy 2/		
Residential	0.41	0.2%
Wood	0.41	0.2%
Commercial	0.10	0.0%
Biomass	0.10	0.0%
Industrial 3/	3.08	2.7%
Conventional Hydroelectric	0.04	0.0%
Municipal Solid Waste	0.01	N/A
Biomass	3.03	2.8%
Transportation	0.38	3.4%
Ethanol used in E85 4/	0.00	N/A
Ethanol used in Gasoline Blending	0.37	3.4%
Electric Generators 5/	6.54	2.5%
Conventional Hydroelectric	3.13	0.6%
Geothermal	1.49	7.3%
Municipal Solid Waste 6/	0.40	0.7%
Biomass	0.53	5.1%
Dedicated Plants	0.51	6.9%
Cofiring	0.02	-4.9%
Solar Thermal	0.02	6.0%
Solar Photovoltaic	0.00	N/A
Wind	0.96	9.2%
Total Marketed Renewable Energy	10.51	2.5%
Sources of Ethanol		
From Corn	0.32	2.8%
From Cellulose	0.05	N/A
Total	0.38	3.4%
Non-Marketed Renewable Energy		
-- Selected Consumption 7/		
Residential	0.05	3.4%
Solar Hot Water Heating	0.04	2.2%
Geothermal Heat Pumps	0.01	9.4%
Solar Photovoltaic	0.00	18.6%
Commercial	0.04	1.8%
Solar Thermal	0.03	0.6%
Solar Photovoltaic	0.01	16.6%

**Table 18. Renewable Energy Consumption by Sector and Source 1/
(Quadrillion Btu per Year)**

1/ Actual heat rates used to determine fuel consumption for all renewable fuels except hydropower, solar, and wind. Consumption at hydroelectric, solar, and wind facilities determined by using the fossil fuel equivalent of 10,280 Btu per kilowatthour.

2/ Includes nonelectric renewable energy groups for which the energy source is bought and sold in the marketplace, although all transactions may not necessarily be marketed, and marketed renewable energy inputs for electricity entering the marketplace on the electric power grid. Excludes electricity imports; see Table A8.

3/ Includes all electricity production by industrial and other combined heat and power for the grid and for own use.

4/ Excludes motor gasoline component of E85.

5/ Includes consumption of energy by electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.

6/ Includes landfill gas.

7/ Includes selected renewable energy consumption data for which the energy is not bought or sold, either directly or indirectly as an input to marketed energy. The Energy Information Administration does not estimate or project total consumption of nonmarketed renewable energy.

N/A = Not applicable.

Btu = British thermal unit.

Note: Totals may not equal sum of components due to independent rounding. Data for 2001 and 2002 are model results and may differ slightly from official EIA data reports.

Sources: 2001 and 2002 ethanol: Energy Information Administration (EIA), Annual Energy Review 2002, DOE/EIA-0384(2002) (Washington, DC, October 2003). 2001 and 2002 electric generators: EIA, Form EIA-860, "Annual Electric Generator Report," 2002 (preliminary). Other 2001 and 2002 values: EIA, Office of Integrated Analysis and Forecasting. Projections: EIA, AEO2004 National Energy Modeling System run HM2004.D101703A.

Table 19. Carbon Dioxide Emissions by Sector and Source
(million metric tons, unless otherwise noted)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Residential													
Petroleum	105.6	104.0	104.2	109.3	109.9	110.8	111.0	111.2	110.8	110.7	110.5	110.6	110.1
Natural Gas	259.5	267.2	275.2	281.5	283.2	287.8	291.6	296.0	299.2	302.9	305.5	307.8	307.5
Coal	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1
Electricity	790.8	816.7	826.9	819.5	834.9	851.3	870.3	886.5	895.6	906.1	915.9	927.2	934.1
Total	1157.0	1189.0	1207.6	1211.5	1229.2	1251.0	1274.1	1294.9	1306.8	1320.9	1333.1	1346.6	1352.9
Commercial													
Petroleum	52.9	52.6	60.9	61.5	62.8	63.5	64.4	65.0	65.6	66.5	67.0	67.6	68.3
Natural Gas	165.0	169.4	171.9	168.7	171.9	176.2	179.4	182.3	185.9	189.5	192.3	194.0	194.8
Coal	9.2	9.2	9.3	9.1	9.3	9.4	9.3	9.3	9.3	9.3	9.3	9.3	9.3
Electricity	787.4	778.0	782.5	787.9	818.3	846.1	874.1	896.5	916.8	937.0	957.5	976.4	996.0
Total	1014.5	1009.1	1024.6	1027.2	1062.3	1095.2	1127.4	1153.1	1177.7	1202.3	1226.1	1247.3	1268.4
Industrial 1/													
Petroleum	409.9	412.8	345.3	342.5	363.7	371.9	375.7	380.5	379.7	381.2	384.2	391.8	402.3
Natural Gas 2/	441.5	432.7	439.1	463.3	478.5	492.4	505.2	516.3	531.8	549.7	562.8	571.7	578.9
Coal	196.8	185.1	195.8	197.3	198.4	198.3	197.6	197.0	197.0	196.6	196.2	195.6	195.2
Electricity	634.1	640.0	630.7	643.6	672.1	696.0	718.1	733.4	746.1	758.2	772.3	785.9	802.7
Total	1682.3	1670.6	1610.9	1646.8	1712.7	1758.6	1796.7	1827.2	1854.7	1885.8	1915.5	1945.0	1979.2
Transportation													
Petroleum 3/	1789.7	1811.2	1849.1	1924.7	1985.9	2043.8	2096.3	2150.2	2205.9	2262.6	2316.6	2370.1	2424.1
Natural Gas 4/	33.9	35.2	36.9	36.9	37.3	37.6	38.2	38.9	39.7	41.3	42.0	43.2	43.0
Other 5/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	14.2	14.2	14.6	14.7	15.2	15.6	16.0	16.3	16.5	16.8	17.0	17.3	17.6
Total	1837.8	1860.6	1900.6	1976.3	2038.3	2097.0	2150.5	2205.3	2262.1	2320.6	2375.5	2430.5	2484.7
Total by Delivered Fuel													
Petroleum 3/	2358.2	2380.5	2359.5	2438.1	2522.3	2590.1	2647.4	2707.0	2762.1	2820.9	2878.3	2940.0	3004.8
Natural Gas	899.9	904.4	923.1	950.4	970.9	994.0	1014.5	1033.5	1056.6	1083.5	1102.5	1116.5	1124.2
Coal	207.1	195.4	206.3	207.6	208.8	208.9	208.1	207.5	207.5	207.0	206.7	206.1	205.6
Other 5/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	2226.6	2249.0	2254.8	2265.7	2340.4	2409.0	2478.5	2532.6	2575.1	2618.1	2662.7	2706.8	2750.5
Total	5691.7	5729.3	5743.6	5861.7	6042.4	6201.9	6348.5	6480.6	6601.3	6729.6	6850.2	6969.4	7085.1
Electric Power Sector 6/													
Petroleum	99.6	72.2	77.7	42.3	51.8	51.4	54.5	57.3	55.1	54.8	59.4	69.5	84.2
Natural Gas	289.1	299.1	267.3	309.3	313.5	325.6	335.1	356.9	361.6	382.4	396.3	419.2	433.4
Coal	1838.0	1877.8	1909.8	1914.1	1975.2	2031.9	2089.0	2118.4	2158.4	2181.0	2207.0	2218.0	2232.9
Total	2226.6	2249.0	2254.8	2265.7	2340.4	2409.0	2478.5	2532.6	2575.1	2618.1	2662.7	2706.8	2750.5
Total by Primary Fuel 7/													
Petroleum 3/	2457.7	2452.7	2437.1	2480.4	2574.0	2641.5	2701.9	2764.3	2817.2	2875.7	2937.7	3009.5	3089.0
Natural Gas	1189.0	1203.4	1190.4	1259.6	1284.4	1319.6	1349.5	1390.3	1418.2	1465.9	1498.9	1535.8	1557.6
Coal	2045.0	2073.2	2116.1	2121.7	2184.0	2240.8	2297.1	2325.9	2365.9	2388.0	2413.7	2424.1	2438.5
Other 5/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	5691.7	5729.3	5743.6	5861.7	6042.4	6201.9	6348.5	6480.6	6601.3	6729.6	6850.2	6969.4	7085.1
Carbon Dioxide Emissions (tons per person)													
	19.9	19.8	19.7	19.8	20.2	20.6	20.8	21.0	21.2	21.4	21.6	21.7	21.9

Table 19. Carbon Dioxide Emissions by Sector and Source
(million metric tons, unless otherwise noted)

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002-2025
Residential													
Petroleum	109.8	109.4	109.4	108.7	108.4	108.1	108.0	107.3	106.8	106.3	106.1	105.1	0.0%
Natural Gas	309.6	311.6	314.8	317.8	321.3	323.7	326.3	327.1	329.8	333.1	337.7	339.5	1.0%
Coal	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	-0.3%
Electricity	942.1	951.5	964.2	972.3	982.4	996.9	1014.6	1026.9	1045.4	1068.3	1087.3	1104.4	1.3%
Total	1362.6	1373.6	1389.5	1399.9	1413.3	1429.7	1449.9	1462.3	1483.0	1508.8	1532.2	1550.1	1.2%
Commercial													
Petroleum	68.8	69.3	69.8	70.2	70.6	71.1	71.7	72.3	72.8	73.3	73.7	73.9	1.5%
Natural Gas	197.3	198.9	200.8	204.5	207.7	210.1	212.1	214.1	216.8	219.9	223.7	226.8	1.3%
Coal	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	0.1%
Electricity	1011.7	1028.8	1047.0	1065.8	1085.8	1110.8	1136.1	1161.4	1188.3	1220.0	1244.6	1276.7	2.2%
Total	1287.1	1306.3	1327.0	1349.8	1373.5	1401.4	1429.2	1457.1	1487.2	1522.6	1551.2	1586.6	2.0%
Industrial 1/													
Petroleum	408.9	414.5	419.4	425.1	433.2	440.0	446.5	451.9	456.9	461.2	465.7	471.2	0.6%
Natural Gas 2/	587.6	595.4	606.9	626.2	640.0	648.8	658.8	666.2	677.2	690.2	704.6	717.4	2.2%
Coal	194.4	193.4	192.8	192.5	192.4	191.4	191.1	190.4	190.4	190.4	193.1	196.4	0.3%
Electricity	811.5	821.6	836.6	853.0	868.7	884.2	904.1	921.7	944.2	971.3	992.1	1023.3	2.1%
Total	2002.4	2024.9	2055.7	2096.8	2134.4	2164.4	2200.4	2230.1	2268.5	2313.1	2355.5	2408.3	1.6%
Transportation													
Petroleum 3/	2470.1	2513.6	2557.9	2603.4	2651.8	2691.7	2734.7	2779.9	2828.6	2880.7	2935.4	2993.7	2.2%
Natural Gas 4/	43.6	44.4	46.2	49.1	51.0	52.0	52.2	52.0	52.1	52.5	53.5	53.8	1.9%
Other 5/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Electricity	17.8	18.1	18.4	18.7	19.0	19.4	19.9	20.3	20.8	21.4	21.8	22.4	2.0%
Total	2531.5	2576.0	2622.5	2671.2	2721.8	2763.2	2806.8	2852.2	2901.5	2954.5	3010.7	3069.9	2.2%
Total by Delivered Fuel													
Petroleum 3/	3057.6	3106.8	3156.5	3207.5	3264.1	3310.9	3360.9	3411.3	3465.0	3521.5	3580.8	3643.9	1.9%
Natural Gas	1138.2	1150.2	1168.7	1197.5	1220.0	1234.6	1249.3	1259.4	1275.8	1295.6	1319.6	1337.6	1.7%
Coal	204.8	203.8	203.2	202.9	202.8	201.8	201.4	200.8	200.8	200.8	203.5	206.7	0.2%
Other 5/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Electricity	2783.1	2820.0	2866.2	2909.8	2956.0	3011.4	3074.6	3130.3	3198.6	3281.1	3345.8	3426.7	1.9%
Total	7183.7	7280.9	7394.6	7517.8	7642.9	7758.7	7886.3	8001.8	8140.2	8299.0	8449.6	8614.9	1.8%
Electric Power Sector 6/													
Petroleum	82.0	90.1	86.4	74.1	71.9	78.8	87.9	89.4	80.3	68.5	62.3	64.8	-0.5%
Natural Gas	450.3	453.4	473.9	494.8	511.4	510.4	503.6	495.6	490.1	484.9	494.4	485.0	2.1%
Coal	2250.8	2276.5	2306.0	2340.8	2372.6	2422.1	2483.0	2545.3	2628.3	2727.6	2789.1	2877.0	1.9%
Total	2783.1	2820.0	2866.2	2909.8	2956.0	3011.4	3074.6	3130.3	3198.6	3281.1	3345.8	3426.7	1.9%
Total by Primary Fuel 7/													
Petroleum 3/	3139.7	3196.9	3242.8	3281.7	3336.0	3389.7	3448.9	3500.7	3545.3	3590.0	3643.1	3708.7	1.8%
Natural Gas	1588.5	1603.6	1642.6	1692.4	1731.5	1745.0	1753.0	1755.0	1765.9	1780.6	1813.9	1822.6	1.8%
Coal	2455.5	2480.4	2509.2	2543.7	2575.4	2623.9	2684.5	2746.1	2829.0	2928.4	2992.6	3083.7	1.7%
Other 5/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total	7183.7	7280.9	7394.6	7517.8	7642.9	7758.7	7886.3	8001.8	8140.2	8299.0	8449.6	8614.9	1.8%
Carbon Dioxide Emissions (tons per person)	21.9	22.0	22.1	22.3	22.4	22.6	22.7	22.8	23.0	23.2	23.4	23.7	0.8%

Table 19. Carbon Dioxide Emissions by Sector and Source (million metric tons, unless otherwise noted)

1/ Fuel consumption includes energy for combined heat and power plants, except those plants whose primary business is to sell electricity, or electricity and heat, to the public.

2/ Includes lease and plant fuel.

3/ This includes international bunker fuel, which by convention are excluded from the international accounting of carbon dioxide emissions. In the years from 1990 through 2000, international bunker fuels accounted for 24 to 30 million metric tons of carbon dioxide annually.

4/ Includes pipeline fuel natural gas and compressed natural gas used as vehicle fuel.

5/ Includes methanol and liquid hydrogen.

6/ Includes electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Does not include emissions from the nonbiogenic component of municipal solid waste because under international guidelines these are accounted for as waste, not energy.

7/ Emissions from the electric power sector are distributed to the primary fuels.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2001 and 2002 are model results and may differ slightly from official EIA data reports.

Sources: 2001 and 2002 emissions and emission factors: Energy Information Administration (EIA), Emissions of Greenhouse Gases in the United States 2002, DOE/EIA-0573(2002) (Washington, DC, October 2003). Projections: EIA, AEO2004 National Energy Modeling System run HM2004.D101703A.

Table 20. Macroeconomic Indicators
(Billion 1996 Chain-Weighted Dollars, Unless Otherwise Noted)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Real Gross Domestic Product	9215	9440	9657	10153	10554	11025	11496	11964	12437	12858	13272	13696	14171
Real Potential Gross Domestic Product	9433	9726	10008	10375	10697	11096	11509	11915	12324	12745	13186	13617	14067
Real Disposable Personal Income	6748	7032	7244	7583	7784	8064	8332	8628	8946	9264	9561	9899	10260
Components of Real Gross Domestic Product													
Real Consumption	6377	6576	6754	7039	7295	7587	7886	8196	8507	8801	9084	9379	9703
Real Investment	1575	1590	1637	1794	1928	2077	2223	2358	2524	2638	2761	2877	3036
Real Government Spending	1640	1713	1754	1779	1810	1855	1894	1934	1974	2009	2035	2066	2099
Real Exports	1076	1059	1062	1175	1317	1453	1578	1707	1837	1974	2119	2274	2433
Real Imports	1492	1547	1608	1776	1906	2033	2151	2275	2380	2529	2679	2841	3028
Energy Intensity (thousand Btu per 1996 dollar of GDP)													
Delivered Energy	7.69	7.55	7.43	7.29	7.22	7.08	6.93	6.80	6.67	6.60	6.52	6.43	6.33
Total Energy	10.53	10.36	10.16	9.94	9.84	9.65	9.46	9.27	9.07	8.95	8.83	8.71	8.56
Price Indices													
GDP Chain-Type Price Index (1996=1.000)	1.094	1.107	1.123	1.110	1.132	1.142	1.154	1.169	1.188	1.210	1.236	1.265	1.296
Consumer Price Index (1982-4=1.00)	1.77	1.80	1.84	1.82	1.85	1.87	1.88	1.90	1.93	1.96	2.00	2.05	2.10
Wholesale Price Index (1982=1.00)													
All Commodities	1.34	1.31	1.37	1.32	1.33	1.33	1.34	1.34	1.35	1.36	1.37	1.38	1.40
Fuel and Power	1.05	0.93	1.11	1.00	0.99	1.00	1.01	1.01	1.03	1.04	1.05	1.06	1.08
Interest Rates (percent, nominal)													
Federal Funds Rate	3.89	1.67	1.12	0.98	1.76	2.11	2.34	3.11	4.10	5.04	5.05	5.06	5.04
10-Year Treasury Note	5.02	4.61	4.15	4.73	5.11	5.10	5.18	5.52	5.92	6.27	6.16	6.10	6.12
AA Utility Bond Rate	7.57	7.19	6.57	6.58	6.76	6.54	6.48	6.73	7.18	7.61	7.51	7.49	7.56
Unemployment Rate (percent)	4.77	5.78	6.08	5.63	5.24	5.12	4.95	4.70	4.52	4.38	4.31	4.17	3.95
Housing Starts (millions)	1.79	1.88	1.85	1.95	1.94	2.01	2.14	2.20	2.23	2.24	2.26	2.21	2.21
Commercial Floorspace, Total (billion square feet)	70.2	72.1	74.1	76.0	77.6	79.0	80.3	81.7	83.2	84.8	86.3	87.9	89.4
Unit Sales of Light-Duty Vehicles (millions)	17.11	16.78	16.36	17.85	18.42	18.65	18.82	19.05	19.19	19.08	19.34	19.45	19.59
Value of Shipments (billion 1996 dollars)													
Total Industrial	5368	5285	5227	5566	5842	6091	6316	6529	6765	6986	7204	7420	7678
Non-Manufacturing	1309	1222	1184	1262	1328	1386	1434	1484	1545	1587	1619	1646	1703
Manufacturing	4059	4064	4043	4304	4515	4705	4882	5044	5221	5399	5586	5773	5975
Energy Intensive	1085	1120	1103	1151	1192	1223	1252	1281	1311	1348	1384	1421	1461
Non-Intensive	2974	2944	2940	3153	3322	3482	3630	3764	3909	4051	4202	4352	4515
Population and Employment (millions)													
Population, with Armed Forces Overseas	285.9	288.9	291.7	296.0	298.5	301.7	304.9	308.0	311.2	314.4	317.6	320.9	324.2
Population, aged 16 and over	221.5	224.3	226.9	230.8	233.3	236.3	239.3	242.3	245.1	247.9	250.5	253.1	255.7
Employment, Nonfarm	131.6	130.5	130.1	133.0	136.5	139.4	142.4	145.5	148.3	150.9	153.2	155.2	157.4
Employment, Manufacturing	17.7	16.7	16.1	15.9	16.1	16.4	16.6	16.6	16.7	16.9	17.0	17.1	17.1
Labor Force	143.9	145.1	146.6	148.9	150.9	153.7	156.4	158.8	161.3	163.6	165.6	166.9	168.4

Table 20. Macroeconomic Indicators
(Billion 1996 Chain-Weighted Dollars, Unless Otherwise Noted)

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002-2025
Real Gross Domestic Product	14638	15084	15548	16043	16558	17051	17603	18137	18725	19345	19983	20685	3.5%
Real Potential Gross Domestic Product	14535	15021	15507	15993	16529	17043	17586	18111	18685	19288	19915	20598	3.3%
Real Disposable Personal Income	10572	10898	11243	11571	11919	12271	12658	13060	13479	13936	14431	14969	3.3%
Components of Real Gross Domestic Product													
Real Consumption	10014	10315	10631	10954	11291	11635	12010	12388	12784	13200	13634	14089	3.4%
Real Investment	3202	3348	3498	3667	3845	3996	4210	4420	4669	4928	5176	5483	5.5%
Real Government Spending	2134	2172	2211	2253	2295	2337	2387	2422	2465	2511	2555	2599	1.8%
Real Exports	2599	2764	2945	3153	3384	3618	3857	4110	4387	4686	5005	5347	7.3%
Real Imports	3224	3416	3625	3851	4102	4368	4676	5003	5352	5722	6097	6492	6.4%
Energy Intensity (thousand Btu per 1996 dollar of GDP)													
Delivered Energy	6.23	6.13	6.05	5.98	5.90	5.81	5.71	5.62	5.52	5.44	5.35	5.26	-1.6%
Total Energy	8.40	8.27	8.15	8.03	7.92	7.80	7.67	7.53	7.41	7.29	7.17	7.05	-1.7%
Price Indices													
GDP Chain-Type Price Index (1996=1.000)	1.331	1.367	1.403	1.441	1.480	1.522	1.564	1.608	1.654	1.698	1.743	1.790	2.1%
Consumer Price Index (1982-4=1.00)	2.16	2.21	2.27	2.34	2.40	2.47	2.54	2.62	2.69	2.77	2.85	2.93	2.1%
Wholesale Price Index (1982=1.00)													
All Commodities	1.41	1.43	1.44	1.46	1.48	1.50	1.52	1.54	1.57	1.58	1.60	1.62	0.9%
Fuel and Power	1.10	1.11	1.12	1.12	1.13	1.16	1.19	1.21	1.23	1.24	1.25	1.27	1.4%
Interest Rates (percent, nominal)													
Federal Funds Rate	5.24	5.20	5.17	5.13	5.54	5.59	5.59	5.58	5.57	5.57	5.80	6.04	N/A
10-Year Treasury Note	6.20	6.10	6.08	6.05	6.29	6.33	6.42	6.48	6.53	6.60	6.78	6.95	N/A
AA Utility Bond Rate	7.70	7.66	7.63	7.55	7.73	7.72	7.75	7.81	7.81	7.84	7.95	7.99	N/A
Unemployment Rate (percent)	3.86	3.99	4.02	3.97	3.88	3.84	3.84	3.85	3.84	3.83	3.79	3.80	N/A
Housing Starts (millions)	2.19	2.15	2.14	2.14	2.13	2.14	2.16	2.17	2.20	2.21	2.20	2.20	0.7%
Commercial Floorspace, Total (billion square feet)	90.8	92.2	93.6	95.0	96.4	97.8	99.3	100.7	102.0	103.4	104.8	106.4	1.7%
Unit Sales of Light-Duty Vehicles (millions)	19.71	19.88	20.23	20.69	21.18	21.62	22.16	22.44	22.92	23.57	24.24	24.91	1.7%
Value of Shipments (billion 1996 dollars)													
Total Industrial	7912	8153	8419	8718	9017	9246	9537	9798	10114	10444	10771	11166	3.3%
Non-Manufacturing	1743	1769	1799	1835	1880	1905	1955	1993	2049	2107	2153	2204	2.6%
Manufacturing	6169	6383	6620	6884	7137	7341	7582	7805	8064	8337	8618	8962	3.5%
Energy Intensive	1493	1522	1555	1590	1623	1649	1679	1705	1734	1765	1795	1830	2.2%
Non-Intensive	4676	4861	5065	5294	5514	5692	5903	6100	6330	6572	6823	7132	3.9%
Population and Employment (millions)													
Population, with Armed Forces Overseas	327.4	330.7	333.9	337.2	340.5	343.8	347.1	350.4	353.7	357.1	360.4	363.7	1.0%
Population, aged 16 and over	258.3	260.8	263.3	265.8	268.3	270.8	273.3	275.9	278.4	281.1	283.6	286.3	1.1%
Employment, Nonfarm	159.0	160.3	161.6	163.2	165.0	166.9	169.2	171.3	173.4	175.8	178.5	181.1	1.4%
Employment, Manufacturing	17.1	17.1	17.1	17.1	17.1	17.1	17.0	17.0	17.1	17.1	17.2	17.3	0.2%
Labor Force	170.2	171.9	173.1	174.3	175.7	177.2	178.8	180.0	181.2	182.7	184.5	186.8	1.1%

Table 20. Macroeconomic Indicators (Billion 1996 Chain-Weighted Dollars, Unless Otherwise Noted)

GDP = Gross domestic product.

Btu = British thermal unit.

N/A = Not applicable.

Sources: 2001 and 2002: Global Insight macroeconomic model T250803. Projections: Energy Information Administration, AEO2004 National Energy Modeling System run HM2004.D101703A.

Table 21. International Petroleum Supply and Disposition Summary
(Million Barrels per Day, Unless Otherwise Noted)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
World Oil Price (2002 dollars per barrel) 1/	22.25	23.68	27.25	23.86	23.38	23.63	23.87	24.14	24.41	24.67	24.94	25.17	25.44	25.65	25.86
Production (Conventional) 2/															
Industrialized Countries															
U.S. (50 states)	8.84	9.16	8.69	9.02	9.35	9.47	9.68	9.73	9.71	9.64	9.51	9.47	9.41	9.38	9.37
Canada	2.09	2.14	2.13	2.11	2.10	2.06	2.02	1.97	1.90	1.83	1.78	1.75	1.70	1.67	1.65
Mexico	3.62	3.61	3.67	3.72	3.78	3.87	3.95	4.04	4.12	4.20	4.27	4.34	4.41	4.47	4.54
Western Europe 3/	6.82	6.76	6.67	6.59	6.50	6.47	6.43	6.40	6.37	6.34	6.25	6.16	6.07	5.98	5.88
Japan	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07
Australia and New Zealand	0.79	0.75	0.79	0.83	0.86	0.88	0.90	0.92	0.94	0.96	0.95	0.94	0.93	0.92	0.91
Total Industrialized	22.24	22.51	22.03	22.35	22.67	22.83	23.07	23.15	23.12	23.05	22.84	22.73	22.58	22.49	22.42
Eurasia															
Former Soviet Union															
Russia	7.30	7.67	8.24	8.60	9.17	9.36	9.56	9.77	9.87	9.93	9.98	10.13	10.31	10.46	10.55
Caspian Area 4/	1.48	1.66	1.75	1.84	1.93	2.17	2.40	2.64	2.88	3.12	3.38	3.64	3.90	4.15	4.41
Eastern Europe 5/	0.24	0.23	0.25	0.28	0.30	0.31	0.31	0.32	0.33	0.33	0.34	0.35	0.36	0.37	0.38
Total Eurasia	9.02	9.56	10.25	10.72	11.40	11.83	12.28	12.73	13.08	13.38	13.71	14.12	14.57	14.98	15.33
Developing Countries	44.44	44.24	44.54	44.82	45.36	46.26	47.09	48.08	49.18	50.51	51.83	53.11	54.26	55.46	56.71
Total Production (Conventional)	75.70	76.30	76.82	77.88	79.43	80.92	82.44	83.96	85.37	86.95	88.37	89.96	91.41	92.93	94.47
Production (Nonconventional) 8/															
U.S. (50 states)	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
Other North America	0.72	0.79	0.86	0.93	1.00	1.11	1.23	1.37	1.52	1.69	1.89	2.12	2.37	2.65	2.97
Western Europe	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
Asia	0.02	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
Middle East	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
Africa	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.19	0.20	0.20	0.21	0.21	0.22
South and Central America	0.49	0.54	0.58	0.63	0.68	0.71	0.75	0.78	0.82	0.85	0.94	1.02	1.11	1.19	1.27
Total Production (Nonconventional)	1.42	1.55	1.67	1.80	1.92	2.08	2.24	2.41	2.61	2.81	3.11	3.43	3.77	4.14	4.55
Total Production	77.12	77.85	78.50	79.68	81.35	83.00	84.68	86.37	87.98	89.76	91.48	93.38	95.18	97.08	99.02
Consumption 9/															
Industrialized Countries															
U.S. (50 states)	19.71	19.61	19.89	20.37	21.13	21.67	22.17	22.66	23.08	23.56	24.07	24.64	25.29	25.71	26.17
U.S. Territories	0.28	0.29	0.31	0.33	0.34	0.35	0.36	0.36	0.37	0.38	0.38	0.39	0.39	0.39	0.40
Canada	1.91	1.96	2.00	2.05	2.10	2.12	2.15	2.18	2.20	2.23	2.24	2.25	2.27	2.28	2.30
Mexico	1.94	2.01	2.09	2.16	2.24	2.32	2.40	2.48	2.56	2.65	2.75	2.85	2.96	3.06	3.17
Western Europe	13.98	14.02	14.05	14.08	14.11	14.16	14.20	14.24	14.29	14.33	14.38	14.43	14.48	14.54	14.58
Japan	5.42	5.45	5.48	5.51	5.54	5.59	5.63	5.68	5.72	5.77	5.82	5.87	5.91	5.97	6.01
Australia and New Zealand	1.01	1.04	1.08	1.11	1.14	1.17	1.20	1.22	1.25	1.28	1.31	1.34	1.37	1.40	1.43
Total Industrialized	44.25	44.39	44.90	45.61	46.60	47.38	48.11	48.84	49.48	50.18	50.94	51.77	52.67	53.34	54.06
Eurasia															
Former Soviet Union	3.90	4.05	4.21	4.36	4.52	4.64	4.75	4.86	4.98	5.09	5.12	5.15	5.18	5.21	5.24
Eastern Europe	1.41	1.44	1.48	1.51	1.55	1.58	1.62	1.66	1.70	1.74	1.78	1.82	1.87	1.91	1.96
Total Eurasia	5.30	5.49	5.68	5.87	6.07	6.22	6.37	6.52	6.68	6.83	6.90	6.98	7.05	7.13	7.20
Developing Countries															
China	4.97	5.11	5.24	5.37	5.49	5.69	5.88	6.08	6.27	6.46	6.70	6.93	7.17	7.40	7.64
India	2.13	2.16	2.20	2.23	2.27	2.37	2.48	2.59	2.69	2.80	2.94	3.08	3.22	3.37	3.51
South Korea	2.14	2.20	2.26	2.32	2.38	2.45	2.52	2.60	2.67	2.74	2.79	2.84	2.88	2.93	2.97
Other Asia	5.53	5.63	5.74	5.84	5.94	6.08	6.22	6.36	6.50	6.64	6.86	7.10	7.33	7.56	7.79
Middle East 7/	5.36	5.34	5.32	5.30	5.43	5.44	5.60	5.76	5.92	6.18	6.25	6.42	6.59	6.76	6.97
Africa	2.58	2.56	2.54	2.52	2.44	2.53	2.57	2.61	2.65	2.68	2.72	2.76	2.80	2.83	2.90
South and Central America	4.87	4.91	4.94	4.98	5.03	5.12	5.22	5.32	5.42	5.53	5.67	5.81	5.95	6.10	6.27
Total Developing Countries	27.59	27.91	28.23	28.55	28.99	29.69	30.50	31.31	32.12	33.04	33.93	34.94	35.94	36.94	38.05
Total Consumption	77.14	77.79	78.82	80.04	81.65	83.29	84.98	86.67	88.28	90.05	91.78	93.68	95.66	97.41	99.31

Table 21. International Petroleum Supply and Disposition Summary
(Million Barrels per Day, Unless Otherwise Noted)

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002-2025
World Oil Price (2002 dollars per barrel) 1/	26.09	26.37	26.71	27.04	27.27	27.53	27.76	28.00	28.22	28.55	0.8%
Production (Conventional) 2/											
Industrialized Countries											
U.S. (50 states)	9.26	9.22	9.29	9.20	9.07	8.94	8.86	8.95	8.95	8.79	-0.2%
Canada	1.64	1.63	1.63	1.62	1.61	1.61	1.60	1.60	1.59	1.58	-1.3%
Mexico	4.56	4.57	4.59	4.60	4.62	4.66	4.71	4.75	4.80	4.84	1.3%
Western Europe 3/	5.80	5.73	5.65	5.57	5.49	5.39	5.29	5.19	5.09	4.99	-1.3%
Japan	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	-1.0%
Australia and New Zealand	0.90	0.90	0.90	0.89	0.89	0.88	0.88	0.87	0.87	0.86	0.6%
Total Industrialized	22.24	22.12	22.12	21.94	21.75	21.55	21.39	21.42	21.35	21.13	-0.3%
Eurasia											
Former Soviet Union											
Russia	10.61	10.68	10.73	10.76	10.80	10.85	10.89	10.92	10.96	10.98	1.6%
Caspian Area 4/	4.56	4.71	4.87	5.02	5.17	5.36	5.56	5.75	5.94	6.14	5.8%
Eastern Europe 5/	0.38	0.39	0.40	0.40	0.41	0.42	0.43	0.44	0.45	0.45	3.0%
Total Eurasia	15.55	15.79	15.99	16.18	16.38	16.63	16.87	17.10	17.35	17.57	2.7%
Developing Countries	58.25	59.97	61.60	63.42	65.32	67.19	69.14	70.89	72.87	75.20	2.3%
Total Production (Conventional)	96.05	97.88	99.72	101.55	103.45	105.36	107.41	109.41	111.56	113.89	1.8%
Production (Nonconventional) 8/											
U.S. (50 states)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	N/A
Other North America	3.02	3.06	3.11	3.15	3.20	3.22	3.23	3.25	3.27	3.28	6.4%
Western Europe	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.8%
Asia	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	1.3%
Middle East	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	6.8%
Africa	0.22	0.23	0.23	0.24	0.25	0.26	0.26	0.27	0.28	0.28	2.6%
South and Central America	1.30	1.33	1.36	1.39	1.42	1.42	1.43	1.44	1.44	1.45	4.4%
Total Production (Nonconventional)	4.63	4.71	4.80	4.88	4.97	5.00	5.03	5.06	5.10	5.14	5.4%
Total Production	100.67	102.59	104.51	106.43	108.41	110.36	112.44	114.47	116.66	119.03	1.9%
Consumption 9/											
Industrialized Countries											
U.S. (50 states)	26.58	26.95	27.42	27.86	28.36	28.79	29.20	29.61	30.07	30.62	2.0%
U.S. Territories	0.40	0.41	0.41	0.42	0.42	0.43	0.44	0.45	0.45	0.46	2.0%
Canada	2.30	2.31	2.32	2.32	2.33	2.34	2.36	2.37	2.39	2.40	0.9%
Mexico	3.25	3.33	3.41	3.49	3.57	3.65	3.74	3.82	3.91	3.99	3.0%
Western Europe	14.61	14.64	14.66	14.68	14.70	14.79	14.88	14.96	15.05	15.14	0.3%
Japan	6.04	6.07	6.10	6.13	6.15	6.20	6.25	6.29	6.34	6.38	0.7%
Australia and New Zealand	1.46	1.49	1.51	1.54	1.57	1.61	1.64	1.67	1.70	1.74	2.2%
Total Industrialized	54.65	55.19	55.84	56.44	57.11	57.81	58.49	59.18	59.91	60.73	1.4%
Eurasia											
Former Soviet Union	5.34	5.43	5.52	5.61	5.70	5.80	5.90	6.00	6.10	6.21	1.9%
Eastern Europe	2.01	2.06	2.11	2.16	2.21	2.27	2.33	2.40	2.46	2.53	2.5%
Total Eurasia	7.34	7.48	7.62	7.76	7.90	8.07	8.23	8.40	8.57	8.74	2.0%
Developing Countries											
China	7.97	8.29	8.61	8.93	9.30	9.55	9.84	10.13	10.42	10.76	3.3%
India	3.69	3.88	4.07	4.25	4.43	4.63	4.83	5.02	5.22	5.41	4.1%
South Korea	3.00	3.03	3.06	3.09	3.12	3.15	3.18	3.21	3.24	3.27	1.7%
Other Asia	8.01	8.23	8.45	8.67	8.89	9.13	9.37	9.61	9.86	10.12	2.6%
Middle East 7/	7.09	7.27	7.44	7.61	7.85	7.98	8.18	8.38	8.58	8.86	2.2%
Africa	2.93	2.98	3.03	3.08	3.15	3.19	3.25	3.30	3.36	3.47	1.3%
South and Central America	6.39	6.54	6.70	6.85	7.00	7.19	7.38	7.57	7.76	7.95	2.1%
Total Developing Countries	39.08	40.22	41.36	42.48	43.74	44.82	46.02	47.23	48.44	49.84	2.6%
Total Consumption	101.07	102.90	104.82	106.69	108.75	110.70	112.75	114.80	116.91	119.31	1.9%

Table 21. International Petroleum Supply and Disposition Summary
(Million Barrels per Day, Unless Otherwise Noted)

1/ Average refiner acquisition cost of imported crude oil.

2/ Includes production of crude oil (including lease condensates), natural gas plant liquids, other hydrogen and hydrocarbons for refinery feedstocks, alcohol and other sources, and refinery gains.

3/ Western Europe = Austria, Belgium, Bosnia and Herzegovina, Croatia, Denmark, Finland, France, the unified Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Macedonia, Netherlands, Norway, Portugal, Slovenia, Spain, Sweden, Switzerland, United Kingdom, and Yugoslavia

4/ Caspian Area includes Other Former Soviet Union.

5/ Eastern Europe = Albania, Bulgaria, Czech Republic, Hungary, Poland, Romania, and Slovakia

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

7/ Non-OPEC Middle East includes Turkey.

8/ Includes liquids produced from energy crops, natural gas, coal, oil sands, and shale. Includes both OPEC and non-OPEC producers in the regional breakdown

9/ Includes both OPEC and non-OPEC consumers in the regional breakdown.

10/ Includes both conventional and nonconventional liquids production

Note: Totals may not equal sum of components due to independent rounding. Data for 2001 and 2002 are model results and may differ slightly from official EIA data reports

N/A = Not applicable.

Sources: 2001 data derived from: Energy Information Administration (EIA), International Energy Annual 2001, DOE/EIA-0219(2001) (Washington, DC, February 2003); 2002 and projections: EIA, AEO2004 National Energy Modeling System run HM2004.D101703A