

Table 1. Total Energy Supply and Disposition (quadrillion Btu, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Production													
Crude Oil and Lease Condensate	11.58	10.96	10.79	11.60	11.94	12.03	11.99	12.10	12.20	12.06	12.31	12.52	12.57
Natural Gas Plant Liquids	2.46	2.33	2.36	2.41	2.44	2.44	2.43	2.41	2.43	2.41	2.45	2.45	2.45
Dry Natural Gas	19.32	18.77	19.13	19.70	19.99	19.99	19.93	19.80	20.03	19.88	20.25	20.19	20.19
Coal 1/	22.85	23.20	23.77	23.57	23.59	23.90	24.47	24.88	25.09	25.29	25.67	25.74	25.81
Nuclear Power	8.22	8.13	8.20	8.28	8.25	8.21	8.23	8.25	8.38	8.40	8.43	8.47	8.61
Hydropower	2.71	2.71	2.84	2.82	2.89	2.96	3.02	3.07	3.07	3.07	3.07	3.07	3.08
Biomass 2/	2.81	2.71	3.02	3.35	3.63	4.02	4.22	4.28	4.33	4.35	4.38	4.45	4.50
Other Renewable Energy 3/	0.74	0.76	0.94	1.14	1.16	1.17	1.18	1.18	1.19	1.22	1.24	1.26	1.27
Other 4/	0.29	0.22	0.04	0.55	0.75	0.81	0.67	0.88	0.86	0.94	0.81	0.98	0.98
Total	70.98	69.80	71.09	73.44	74.66	75.52	76.13	76.85	77.59	77.62	78.61	79.12	79.47
Imports													
Crude Oil 5/	22.02	22.09	22.01	21.74	21.31	21.48	21.88	22.15	22.50	22.89	22.75	22.96	23.22
Liquid Fuels and Other Petroleum 6/	6.11	7.16	7.35	6.06	6.11	5.95	6.02	6.07	6.06	6.32	6.58	6.56	6.72
Natural Gas	4.36	4.42	4.12	4.38	4.81	5.12	5.36	5.62	5.79	6.18	6.11	6.43	6.61
Other Imports 7/	0.82	0.85	0.90	0.93	0.93	0.90	0.92	0.92	0.93	0.95	0.99	1.02	1.20
Total	33.30	34.52	34.39	33.12	33.16	33.46	34.18	34.77	35.28	36.34	36.42	36.97	37.75
Exports													
Petroleum 8/	2.07	2.31	2.73	2.69	2.69	2.70	2.71	2.76	2.77	2.75	2.76	2.77	2.78
Natural Gas	0.87	0.75	0.74	0.86	0.83	0.77	0.69	0.66	0.66	0.66	0.66	0.66	0.67
Coal	1.25	1.27	1.14	1.19	1.15	1.11	1.12	1.12	1.11	1.10	1.04	0.96	0.91
Total	4.19	4.33	4.61	4.74	4.66	4.58	4.52	4.54	4.54	4.51	4.46	4.39	4.36
Discrepancy 9/	-0.58	-0.20	0.12	-0.53	-0.58	-0.67	-0.70	-0.65	-0.64	-0.61	-0.67	-0.58	-0.63
Consumption													
Liquid Fuels and Other Petroleum 10/	40.79	40.61	40.57	40.67	41.02	41.39	41.76	42.38	42.84	43.39	43.76	44.26	44.77
Natural Gas	23.05	22.63	22.37	23.35	24.10	24.47	24.73	24.90	25.30	25.54	25.84	26.07	26.28
Coal	22.60	22.87	23.14	23.25	23.33	23.66	24.24	24.56	24.78	25.00	25.46	25.64	25.93
Nuclear Power	8.22	8.13	8.20	8.28	8.25	8.21	8.23	8.25	8.38	8.40	8.43	8.47	8.61
Hydropower	2.71	2.71	2.84	2.82	2.89	2.96	3.02	3.07	3.07	3.07	3.07	3.07	3.08
Biomass 11/	2.53	2.38	2.60	2.78	2.93	3.19	3.30	3.34	3.36	3.38	3.41	3.48	3.51
Other Renewable Energy 3/	0.74	0.76	0.94	1.14	1.16	1.17	1.18	1.18	1.19	1.22	1.24	1.26	1.27
Other 12/	0.04	0.08	0.09	0.06	0.05	0.02	0.04	0.03	0.04	0.05	0.04	0.03	0.03
Total	100.67	100.19	100.75	102.35	103.73	105.07	106.50	107.72	108.97	110.05	111.24	112.28	113.50

Table 1. Total Energy Supply and Disposition (quadrillion Btu, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Production															
Crude Oil and Lease Condensate	12.57	12.55	12.56	12.48	12.43	12.33	12.22	11.96	11.82	11.65	11.56	11.43	11.38	11.40	0.2%
Natural Gas Plant Liquids	2.47	2.42	2.38	2.38	2.36	2.37	2.36	2.35	2.32	2.30	2.30	2.31	2.32	2.31	0.0%
Dry Natural Gas	20.33	20.76	21.30	21.41	21.53	21.61	21.54	21.49	21.21	21.08	21.07	21.14	21.19	21.15	0.5%
Coal 1/	25.89	25.80	26.09	26.61	27.22	27.92	28.52	29.16	30.09	30.98	31.56	32.28	32.84	33.52	1.5%
Nuclear Power	8.82	9.03	9.18	9.23	9.23	9.23	9.23	9.23	9.23	9.23	9.29	9.37	9.44	9.33	0.6%
Hydropower	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.09	3.09	3.09	3.09	3.09	3.09	0.5%
Biomass 2/	4.59	4.63	4.67	4.69	4.73	4.81	4.88	4.98	5.04	5.10	5.15	5.20	5.21	5.26	2.7%
Other Renewable Energy 3/	1.29	1.30	1.32	1.33	1.33	1.35	1.35	1.36	1.37	1.39	1.40	1.42	1.43	1.44	2.6%
Other 4/	0.85	0.96	1.01	0.89	0.99	1.07	1.03	1.03	0.89	1.07	1.09	0.95	0.94	1.12	6.8%
Total	79.89	80.54	81.61	82.09	82.91	83.78	84.22	84.65	85.06	85.89	86.51	87.20	87.83	88.63	1.0%
Imports															
Crude Oil 5/	23.46	23.86	24.32	24.72	25.20	25.72	25.74	26.22	26.70	26.91	27.41	27.81	28.28	28.63	1.0%
Liquid Fuels and Other Petroleum 6/	6.87	6.92	6.92	7.05	7.04	6.97	7.57	7.76	7.81	8.22	8.41	8.66	8.81	9.02	0.9%
Natural Gas	6.55	6.26	5.92	6.17	6.07	5.96	6.03	6.11	6.53	6.52	6.59	6.61	6.56	6.47	1.5%
Other Imports 7/	1.37	1.68	1.72	1.73	1.69	1.74	1.76	1.90	1.89	1.89	1.96	2.03	2.17	2.26	4.0%
Total	38.25	38.72	38.88	39.66	40.00	40.39	41.10	41.99	42.93	43.55	44.37	45.12	45.81	46.37	1.2%
Exports															
Petroleum 8/	2.78	2.79	2.84	2.84	2.85	2.86	2.87	2.88	2.85	2.87	2.87	2.88	2.89	2.90	0.9%
Natural Gas	0.67	0.67	0.66	0.69	0.72	0.73	0.76	0.79	0.80	0.84	0.87	0.85	0.89	0.87	0.6%
Coal	0.84	0.81	0.77	0.80	0.80	0.77	0.72	0.66	0.67	0.68	0.68	0.69	0.69	0.69	-2.4%
Total	4.29	4.27	4.26	4.33	4.37	4.36	4.35	4.33	4.32	4.38	4.43	4.42	4.47	4.47	0.1%
Discrepancy 9/	-0.65	-0.62	-0.64	-0.74	-0.74	-0.73	-0.74	-0.72	-0.73	-0.68	-0.67	-0.70	-0.69	-0.63	N/A
Consumption															
Liquid Fuels and Other Petroleum 10/	45.10	45.58	46.09	46.52	47.07	47.61	48.09	48.61	49.05	49.76	50.37	50.86	51.44	52.17	1.0%
Natural Gas	26.36	26.49	26.70	27.04	27.02	26.98	26.94	26.94	27.08	26.92	26.93	27.05	27.00	26.89	0.7%
Coal	26.23	26.46	26.81	27.29	27.84	28.53	29.18	29.88	30.62	31.37	32.01	32.73	33.40	34.14	1.6%
Nuclear Power	8.82	9.03	9.18	9.23	9.23	9.23	9.23	9.23	9.23	9.23	9.29	9.37	9.44	9.33	0.6%
Hydropower	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.09	3.09	3.09	3.09	3.09	3.09	0.5%
Biomass 11/	3.58	3.61	3.63	3.64	3.66	3.72	3.78	3.86	3.91	3.95	3.99	4.03	4.03	4.06	2.2%
Other Renewable Energy 3/	1.29	1.30	1.32	1.33	1.33	1.35	1.35	1.36	1.37	1.39	1.40	1.42	1.43	1.44	2.6%
Other 12/	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.05	0.04	0.04	0.04	0.05	0.05	0.04	-2.6%
Total	114.50	115.60	116.87	118.16	119.28	120.54	121.71	123.03	124.39	125.74	127.13	128.59	129.87	131.16	1.1%

Table 1. Total Energy Supply and Disposition (quadrillion Btu, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Prices (2005 dollars per unit)													
Petroleum (dollars per barrel)													
Low Sulfur Light Price 13/	42.87	56.76	69.11	66.71	64.09	60.91	57.47	54.33	51.71	49.99	49.64	49.87	49.75
Imported Crude Oil Price 13/	37.09	49.19	61.75	59.49	57.23	54.21	51.20	48.48	46.22	45.01	44.41	44.61	44.81
Natural Gas (dollars per million Btu)													
Price at Henry Hub	6.08	8.60	7.07	7.23	7.17	6.60	6.28	5.83	5.66	5.49	5.52	5.46	5.56
Wellhead Price 14/	5.63	7.29	6.47	6.45	6.40	5.88	5.59	5.17	5.02	4.87	4.90	4.84	4.94
Natural Gas (dollars per thousand cubic feet)													
Wellhead Price 14/	5.80	7.51	6.67	6.65	6.59	6.05	5.76	5.33	5.17	5.01	5.04	4.99	5.09
Coal (dollars per ton)													
Minemouth Price 15/	20.68	23.34	24.02	24.11	23.93	23.73	24.20	23.54	23.12	22.92	22.63	22.41	22.11
Coal (dollars per million Btu)													
Minemouth Price 15/	1.01	1.15	1.17	1.18	1.17	1.16	1.18	1.16	1.14	1.13	1.12	1.11	1.10
Average Delivered Price 16/	1.45	1.61	1.75	1.77	1.78	1.77	1.77	1.73	1.69	1.67	1.66	1.65	1.64
Average Electricity (cents per kilowatthour)	7.9	8.1	8.3	8.3	8.3	8.2	8.1	7.9	7.8	7.7	7.7	7.7	7.7

Table 1. Total Energy Supply and Disposition (quadrillion Btu, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Prices (2005 dollars per unit)															
Petroleum (dollars per barrel)															
Low Sulfur Light Price 13/	50.80	51.28	51.95	52.04	52.73	53.43	54.90	55.64	56.37	57.11	57.63	58.12	58.61	59.12	0.2%
Imported Crude Oil Price 13/	45.22	45.64	46.05	46.47	47.08	47.71	48.33	48.94	49.57	49.97	50.40	50.80	51.21	51.63	0.2%
Natural Gas (dollars per million Btu)															
Price at Henry Hub	5.78	5.68	5.62	5.71	5.71	5.85	5.98	6.15	6.14	6.17	6.25	6.39	6.48	6.52	-1.1%
Wellhead Price 14/	5.13	5.05	4.99	5.07	5.07	5.20	5.32	5.47	5.46	5.48	5.56	5.69	5.77	5.80	-0.9%
Natural Gas (dollars per thousand cubic feet)															
Wellhead Price 14/	5.28	5.20	5.14	5.22	5.22	5.35	5.48	5.63	5.62	5.65	5.73	5.86	5.94	5.98	-0.9%
Coal (dollars per ton)															
Minemouth Price 15/	21.91	21.54	21.51	21.58	21.63	21.48	21.43	21.48	21.55	21.75	21.97	22.24	22.36	22.60	-0.1%
Coal (dollars per million Btu)															
Minemouth Price 15/	1.09	1.08	1.08	1.08	1.09	1.08	1.08	1.09	1.09	1.10	1.11	1.13	1.13	1.15	0.0%
Average Delivered Price 16/	1.64	1.62	1.62	1.62	1.63	1.64	1.64	1.65	1.66	1.67	1.68	1.69	1.70	1.71	0.2%
Average Electricity (cents per kilowatthour)	7.8	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.1	0.0%

Table 1. Total Energy Supply and Disposition (quadrillion Btu, unless otherwise noted)

- 1/ Includes waste coal.
- 2/ Includes grid-connected electricity from wood and wood waste, biomass such as corn used for liquid fuels production, and non-electric energy from wood. Refer to Table 17 for details.
- 3/ Includes grid-connected electricity from landfill gas; municipal solid waste; wind; photovoltaic and solar thermal sources; and non-electric energy from renewable sources, such as active and passive solar systems. Excludes electricity imports using renewable sources and nonmarketed renewable energy. See Table 17 for selected nonmarketed residential and commercial renewable energy.
- 4/ Includes liquid hydrogen, methanol, and some domestic inputs to refineries.
- 5/ Includes imports of crude oil for the Strategic Petroleum Reserve.
- 6/ Includes imports of finished petroleum products, unfinished oils, alcohols, ethers, blending components, and renewable fuels such as ethanol.
- 7/ Includes coal, coal coke (net), and electricity (net).
- 8/ Includes crude oil and petroleum products.
- 9/ Balancing item. Includes unaccounted for supply, losses, gains, and net storage withdrawals.
- 10/ Includes petroleum-derived fuels and non-petroleum-derived fuels, such as ethanol and biodiesel. Petroleum coke, which is a solid, is included. Also included are natural gas plant liquids, crude oil consumed as a fuel, and liquid hydrogen. Refer to Table 17 for detailed renewable liquid fuels consumption.
- 11/ Includes grid-connected electricity from wood and wood waste, non-electric energy from wood, and biofuels heat and coproducts used in the production of liquid fuels, but excludes the energy content of the liquid fuels.
- 12/ Includes net electricity imports and natural gas losses.
- 13/ Weighted average price delivered to U.S. refiners.
- 14/ Represents lower 48 onshore and offshore supplies.
- 15/ Includes reported prices for both open market and captive mines.
- 16/ Prices weighted by consumption; weighted average excludes residential and commercial prices, and export free-alongside-ship (f.a.s.) prices.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 natural gas supply values: Energy Information Administration (EIA), Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005). 2005 natural gas supply values and natural gas wellhead price: EIA, Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 natural gas wellhead price: Minerals Management Service and EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005). 2004 and 2005 coal minemouth and delivered coal prices: EIA, Annual Coal Report 2005, DOE/EIA-0584(2005) (Washington, DC, October 2006). 2005 petroleum supply values and 2004 crude oil and lease condensate production: EIA, Petroleum Supply Annual 2005, DOE/EIA-0340(2005)/1 (Washington, DC, October 2006). Other 2004 petroleum supply values: EIA, Petroleum Supply Annual 2004, DOE/EIA-0340(2004)/1 (Washington, DC, June 2005). 2004 and 2005 low sulfur light crude oil price: EIA, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report." Other 2004 and 2005 coal values: EIA, Quarterly Coal Report, October-December 2005, DOE/EIA-0121(2005/4Q) (Washington, DC, March 2006). Other 2004 and 2005 values: EIA, Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 2. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Residential													
Liquefied Petroleum Gases	0.54	0.51	0.53	0.53	0.53	0.53	0.53	0.54	0.54	0.55	0.55	0.56	0.56
Kerosene	0.09	0.10	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Distillate Fuel Oil	0.93	0.93	0.91	0.91	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.89	0.89
Liquid Fuels and Other Petroleum Subtotal	1.55	1.54	1.53	1.53	1.52	1.52	1.53	1.53	1.55	1.55	1.55	1.55	1.55
Natural Gas	5.02	4.98	4.61	5.02	5.10	5.14	5.18	5.23	5.28	5.30	5.32	5.35	5.38
Coal	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
Renewable Energy 1/	0.40	0.41	0.40	0.43	0.43	0.43	0.43	0.42	0.42	0.41	0.41	0.41	0.41
Electricity	4.41	4.66	4.73	4.78	4.89	4.97	5.06	5.14	5.23	5.29	5.36	5.43	5.51
Delivered Energy	11.39	11.60	11.28	11.78	11.97	12.07	12.21	12.34	12.49	12.56	12.65	12.74	12.85
Electricity Related Losses	9.75	10.15	10.30	10.40	10.56	10.72	10.90	11.01	11.14	11.21	11.34	11.44	11.59
Total	21.15	21.75	21.58	22.17	22.53	22.80	23.11	23.34	23.62	23.78	23.99	24.18	24.44
Commercial													
Liquefied Petroleum Gases	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Motor Gasoline 2/	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
Kerosene	0.02	0.02	0.03	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Distillate Fuel Oil	0.47	0.48	0.46	0.44	0.43	0.44	0.45	0.46	0.46	0.47	0.48	0.48	0.48
Residual Fuel Oil	0.12	0.14	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.14	0.14	0.14
Liquid Fuels and Other Petroleum Subtotal	0.76	0.77	0.76	0.73	0.74	0.75	0.75	0.77	0.77	0.79	0.79	0.79	0.79
Natural Gas	3.23	3.15	3.01	3.11	3.20	3.26	3.31	3.39	3.46	3.53	3.58	3.64	3.68
Coal	0.10	0.10	0.08	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Renewable Energy 3/	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Electricity	4.19	4.32	4.37	4.45	4.59	4.68	4.77	4.87	4.98	5.09	5.19	5.28	5.38
Delivered Energy	8.40	8.46	8.34	8.51	8.74	8.90	9.05	9.25	9.43	9.62	9.78	9.93	10.08
Electricity Related Losses	9.27	9.42	9.51	9.68	9.90	10.10	10.27	10.44	10.61	10.78	10.97	11.13	11.31
Total	17.67	17.88	17.84	18.19	18.64	19.00	19.33	19.69	20.04	20.40	20.75	21.06	21.38
Industrial 4/													
Liquefied Petroleum Gases	2.27	2.13	2.19	2.29	2.31	2.28	2.26	2.25	2.25	2.25	2.25	2.24	2.25
Motor Gasoline 2/	0.32	0.32	0.32	0.32	0.31	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.33
Distillate Fuel Oil	1.21	1.23	1.30	1.24	1.21	1.19	1.18	1.18	1.18	1.19	1.19	1.19	1.20
Residual Fuel Oil	0.22	0.23	0.22	0.18	0.18	0.18	0.18	0.17	0.18	0.18	0.18	0.18	0.18
Petrochemical Feedstocks	1.54	1.38	1.32	1.42	1.47	1.47	1.48	1.49	1.49	1.49	1.49	1.49	1.49
Other Petroleum 5/	4.53	4.45	4.44	4.14	4.17	4.18	4.05	4.20	4.18	4.24	4.15	4.26	4.29
Liquid Fuels and Other Petroleum Subtotal	10.09	9.73	9.79	9.60	9.66	9.61	9.47	9.61	9.59	9.65	9.57	9.68	9.73
Natural Gas	7.45	6.84	6.96	7.36	7.42	7.57	7.86	7.76	7.84	7.84	7.99	7.90	7.94
Natural-Gas-to-Liquids Heat and Power	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
Lease and Plant Fuel 6/	1.13	1.10	1.12	1.10	1.11	1.11	1.10	1.09	1.09	1.08	1.10	1.10	1.11
Natural Gas Subtotal	8.58	7.94	8.08	8.46	8.53	8.67	8.95	8.84	8.93	8.93	9.10	9.00	9.05
Metallurgical Coal	0.65	0.62	0.66	0.62	0.62	0.61	0.60	0.60	0.60	0.59	0.59	0.59	0.58
Other Industrial Coal	1.40	1.35	1.37	1.35	1.37	1.37	1.37	1.36	1.36	1.35	1.35	1.35	1.35
Coal-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.09	0.09	0.12	0.12	0.12
Net Coal Coke Imports	0.14	0.04	0.06	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Coal Subtotal	2.18	2.01	2.08	1.99	2.01	2.00	2.00	2.06	2.06	2.05	2.08	2.07	2.07
Biofuels Heat and Coproducts	0.21	0.24	0.32	0.35	0.45	0.61	0.69	0.71	0.72	0.73	0.73	0.74	0.74
Renewable Energy 7/	1.70	1.44	1.57	1.58	1.58	1.58	1.60	1.62	1.64	1.67	1.69	1.71	1.74
Electricity	3.48	3.48	3.48	3.56	3.58	3.60	3.63	3.65	3.69	3.72	3.74	3.76	3.79
Delivered Energy	26.24	24.85	25.33	25.55	25.82	26.08	26.33	26.49	26.64	26.74	26.90	26.97	27.12
Electricity Related Losses	7.68	7.60	7.58	7.73	7.74	7.76	7.81	7.82	7.86	7.88	7.91	7.93	7.96
Total	33.92	32.45	32.91	33.28	33.55	33.84	34.14	34.32	34.49	34.62	34.81	34.89	35.08

Table 2. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Transportation													
Liquefied Petroleum Gases	0.03	0.04	0.04	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06
E85 8/	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
Motor Gasoline 2/	17.01	17.00	17.18	17.11	17.14	17.24	17.37	17.58	17.80	18.03	18.30	18.57	18.84
Jet Fuel 9/	3.38	3.37	3.41	3.53	3.66	3.83	4.04	4.13	4.19	4.25	4.30	4.34	4.39
Distillate Fuel Oil 10/	5.93	6.02	6.17	6.31	6.41	6.52	6.64	6.79	6.92	7.05	7.16	7.28	7.40
Residual Fuel Oil	0.74	0.81	0.74	0.76	0.78	0.80	0.82	0.83	0.83	0.83	0.83	0.84	0.84
Liquid Hydrogen	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 Petroleum 11/	0.15	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.19
Liquid Fuels and Other Petroleum Subtotal	27.25	27.42	27.72	27.95	28.23	28.63	29.11	29.55	29.98	30.40	30.83	31.26	31.71
Pipeline Fuel Natural Gas	0.59	0.58	0.57	0.63	0.65	0.66	0.66	0.67	0.68	0.68	0.69	0.70	0.70
Compressed Natural Gas	0.03	0.03	0.04	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.08
Electricity	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Delivered Energy	27.89	28.05	28.36	28.65	28.96	29.37	29.86	30.31	30.75	31.18	31.63	32.07	32.53
Electricity Related Losses	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07
Total	27.94	28.11	28.41	28.71	29.02	29.43	29.92	30.38	30.82	31.25	31.69	32.14	32.59
Delivered Energy Consumption, All Sectors													
Liquefied Petroleum Gases	2.93	2.77	2.85	2.96	2.98	2.95	2.93	2.93	2.94	2.94	2.94	2.95	2.96
E85 8/	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
Motor Gasoline 2/	17.38	17.37	17.55	17.47	17.51	17.60	17.74	17.94	18.17	18.40	18.67	18.94	19.22
Jet Fuel 9/	3.38	3.37	3.41	3.53	3.66	3.83	4.04	4.13	4.19	4.25	4.30	4.34	4.39
Kerosene	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15
Distillate Fuel Oil	8.54	8.65	8.85	8.90	8.96	9.05	9.17	9.32	9.47	9.61	9.73	9.84	9.96
Residual Fuel Oil	1.08	1.17	1.09	1.08	1.10	1.12	1.13	1.14	1.14	1.16	1.15	1.15	1.16
Petrochemical Feedstocks	1.54	1.38	1.32	1.42	1.47	1.47	1.48	1.49	1.49	1.49	1.49	1.49	1.49
Liquid Hydrogen	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 Petroleum 12/	4.66	4.61	4.59	4.30	4.33	4.34	4.22	4.36	4.34	4.40	4.31	4.42	4.46
Liquid Fuels and Other Petroleum Subtotal	39.65	39.46	39.80	39.81	40.15	40.51	40.86	41.46	41.89	42.39	42.75	43.29	43.79
Natural Gas	15.71	15.01	14.63	15.54	15.78	16.02	16.41	16.44	16.65	16.75	16.98	16.96	17.09
Natural-Gas-to-Liquids Heat and Power	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
Lease and Plant Fuel 6/	1.13	1.10	1.12	1.10	1.11	1.10	1.10	1.09	1.09	1.08	1.10	1.10	1.11
Pipeline Natural Gas	0.59	0.58	0.57	0.63	0.65	0.66	0.66	0.67	0.68	0.68	0.69	0.70	0.70
Natural Gas Subtotal	17.44	16.68	16.31	17.28	17.53	17.78	18.17	18.20	18.42	18.51	18.77	18.76	18.89
Metallurgical Coal	0.65	0.62	0.66	0.62	0.62	0.61	0.60	0.60	0.60	0.59	0.59	0.59	0.58
Other Coal	1.51	1.46	1.46	1.45	1.48	1.48	1.48	1.47	1.47	1.46	1.46	1.46	1.46
Coal-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.09	0.09	0.12	0.12	0.12
Net Coal Coke Imports	0.14	0.04	0.06	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Coal Subtotal	2.30	2.12	2.18	2.09	2.12	2.11	2.11	2.17	2.17	2.16	2.19	2.18	2.18
Biofuels Heat and Coproducts	0.21	0.24	0.32	0.35	0.45	0.61	0.69	0.71	0.72	0.73	0.73	0.74	0.74
Renewable Energy 13/	2.21	1.97	2.10	2.13	2.13	2.13	2.14	2.16	2.18	2.20	2.21	2.24	2.26
Electricity	12.11	12.49	12.60	12.82	13.09	13.28	13.49	13.70	13.93	14.12	14.31	14.51	14.71
Delivered Energy	73.92	72.97	73.30	74.49	75.48	76.42	77.46	78.39	79.31	80.11	80.96	81.71	82.57
Electricity Related Losses	26.75	27.23	27.44	27.87	28.26	28.64	29.04	29.33	29.67	29.94	30.28	30.56	30.92
Total	100.67	100.19	100.75	102.35	103.73	105.07	106.50	107.72	108.97	110.05	111.24	112.28	113.50
Electric Power 14/													
Distillate Fuel Oil	0.15	0.19	0.20	0.21	0.21	0.23	0.24	0.24	0.25	0.25	0.24	0.24	0.24
Residual Fuel Oil	0.99	0.96	0.57	0.65	0.65	0.65	0.67	0.68	0.71	0.75	0.77	0.74	0.74
Liquid Fuels and Other Petroleum Subtotal	1.14	1.16	0.77	0.85	0.87	0.88	0.90	0.92	0.95	1.00	1.01	0.97	0.98
Natural Gas	5.61	5.95	6.05	6.07	6.57	6.69	6.56	6.70	6.88	7.03	7.07	7.31	7.39
Steam Coal	20.30	20.75	20.96	21.16	21.21	21.55	22.13	22.39	22.61	22.84	23.27	23.45	23.76
Nuclear Power	8.22	8.13	8.20	8.28	8.25	8.21	8.23	8.25	8.38	8.40	8.43	8.47	8.61
Renewable Energy 15/	3.55	3.64	3.97	4.26	4.40	4.57	4.67	4.73	4.73	4.75	4.78	4.83	4.86
Electricity Imports	0.04	0.08	0.09	0.06	0.05	0.02	0.04	0.03	0.04	0.05	0.04	0.03	0.03
Total	38.86	39.71	40.05	40.69	41.35	41.92	42.53	43.03	43.59	44.06	44.59	45.07	45.64
Total Energy Consumption													
Liquefied Petroleum Gases	2.93	2.77	2.85	2.96	2.98	2.95	2.93	2.93	2.94	2.94	2.94	2.95	2.96
E85 8/	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
Motor Gasoline 2/	17.38	17.37	17.55	17.47	17.51	17.60	17.74	17.94	18.17	18.40	18.67	18.94	19.22
Jet Fuel 9/	3.38	3.37	3.41	3.53	3.66	3.83	4.04	4.13	4.19	4.25	4.30	4.34	4.39

Table 2. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Kerosene	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15
Distillate Fuel Oil	8.69	8.84	9.05	9.11	9.17	9.28	9.40	9.56	9.72	9.86	9.97	10.08	10.21
Residual Fuel Oil	2.07	2.14	1.66	1.73	1.75	1.77	1.80	1.81	1.85	1.91	1.92	1.89	1.90
Petrochemical Feedstocks	1.54	1.38	1.32	1.42	1.47	1.47	1.48	1.49	1.49	1.49	1.49	1.49	1.49
Liquid Hydrogen	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 Petroleum 12/	4.66	4.61	4.59	4.30	4.33	4.34	4.22	4.36	4.34	4.40	4.31	4.42	4.46
Liquid Fuels and Other Petroleum Subtotal	40.79	40.61	40.57	40.67	41.02	41.39	41.76	42.38	42.84	43.39	43.76	44.26	44.77
Natural Gas	21.33	20.96	20.68	21.62	22.34	22.71	22.97	23.14	23.53	23.77	24.05	24.27	24.48
Natural-Gas-to-Liquids Heat and Power	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
Lease and Plant Fuel 6/	1.13	1.10	1.12	1.10	1.11	1.11	1.10	1.09	1.09	1.08	1.10	1.10	1.11
Pipeline Natural Gas	0.59	0.58	0.57	0.63	0.65	0.66	0.66	0.67	0.68	0.68	0.69	0.70	0.70
Natural Gas Subtotal	23.05	22.63	22.37	23.35	24.10	24.47	24.73	24.90	25.30	25.54	25.84	26.07	26.28
Metallurgical Coal	0.65	0.62	0.66	0.62	0.62	0.61	0.60	0.60	0.60	0.59	0.59	0.59	0.58
Other Coal	21.81	22.21	22.42	22.61	22.69	23.03	23.61	23.87	24.08	24.30	24.73	24.91	25.21
Coal-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.09	0.09	0.12	0.12	0.12
Net Coal Coke Imports	0.14	0.04	0.06	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Coal Subtotal	22.60	22.87	23.14	23.25	23.33	23.66	24.24	24.56	24.78	25.00	25.46	25.64	25.93
Nuclear Power	8.22	8.13	8.20	8.28	8.25	8.21	8.23	8.25	8.38	8.40	8.43	8.47	8.61
Biofuels Heat and Coproducts	0.21	0.24	0.32	0.35	0.45	0.61	0.69	0.71	0.72	0.73	0.73	0.74	0.74
Renewable Energy 16/	5.76	5.61	6.06	6.39	6.53	6.70	6.81	6.89	6.91	6.94	6.99	7.07	7.12
Electricity Imports	0.04	0.08	0.09	0.06	0.05	0.02	0.04	0.03	0.04	0.05	0.04	0.03	0.03
Total	100.67	100.19	100.75	102.35	103.73	105.07	106.50	107.72	108.97	110.05	111.24	112.28	113.50
Energy Use & Related Statistics													
Delivered Energy Use	73.92	72.97	73.30	74.49	75.48	76.42	77.46	78.39	79.31	80.11	80.96	81.71	82.57
Total Energy Use	100.67	100.19	100.75	102.35	103.73	105.07	106.50	107.72	108.97	110.05	111.24	112.28	113.50
Ethanol Consumed in Motor Gasoline and E85	0.29	0.33	0.45	0.51	0.63	0.83	0.91	0.92	0.94	0.95	0.95	0.98	0.99
Population (millions)	294.23	296.94	299.63	302.29	304.93	307.60	310.26	312.93	315.61	318.30	321.00	323.70	326.39
Gross Domestic Product (billion 2000 dollars)	10704	11049	11415	11696	12052	12419	12790	13175	13530	13895	14290	14698	15139
Carbon Dioxide Emissions (million metric tons)	5923.1	5945.3	5939.8	5999.3	6059.3	6124.5	6214.0	6295.6	6369.2	6441.6	6526.7	6588.9	6661.9

Table 2. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Residential															
Liquefied Petroleum Gases	0.56	0.57	0.57	0.58	0.58	0.58	0.59	0.59	0.60	0.60	0.61	0.61	0.61	0.62	0.8%
Kerosene	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	-0.3%
Distillate Fuel Oil	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.78	0.77	0.76	-0.8%
Liquid Fuels and Other Petroleum Subtotal	1.54	1.53	1.53	1.53	1.52	1.51	1.50	1.50	1.49	1.49	1.48	1.48	1.47	1.46	-0.2%
Natural Gas	5.37	5.38	5.40	5.43	5.43	5.44	5.44	5.46	5.45	5.46	5.48	5.48	5.47	5.47	0.4%
Coal	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-1.2%
Renewable Energy 1/ Electricity	0.40 5.57	0.40 5.64	0.40 5.71	0.40 5.80	0.40 5.85	0.40 5.92	0.40 5.99	0.40 6.08	0.40 6.13	0.40 6.20	0.39 6.27	0.39 6.36	0.39 6.41	0.39 6.47	-0.2% 1.3%
Delivered Energy	12.89	12.97	13.06	13.17	13.21	13.28	13.34	13.44	13.48	13.55	13.62	13.72	13.74	13.80	0.7%
Electricity Related Losses	11.70	11.83	11.94	12.08	12.15	12.25	12.36	12.47	12.50	12.57	12.67	12.78	12.83	12.89	1.0%
Total	24.59	24.79	25.00	25.26	25.36	25.53	25.70	25.91	25.98	26.13	26.29	26.50	26.57	26.70	0.8%
Commercial															
Liquefied Petroleum Gases	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.4%
Motor Gasoline 2/ Kerosene	0.05 0.03	0.05 0.03	0.05 0.03	0.05 0.03	0.05 0.03	0.05 0.03	0.05 0.03	0.05 0.03	0.05 0.03	0.05 0.03	0.05 0.03	0.05 0.03	0.05 0.03	0.05 0.03	0.6% 0.4%
Distillate Fuel Oil	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.49	0.49	0.49	0.49	0.49	0.1%
Residual Fuel Oil	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.2%
Liquid Fuels and Other Petroleum Subtotal	0.79	0.80	0.79	0.80	0.80	0.80	0.80	0.80	0.81	0.81	0.81	0.81	0.81	0.81	0.2%
Natural Gas	3.72	3.76	3.81	3.86	3.91	3.96	4.00	4.05	4.10	4.15	4.21	4.26	4.31	4.36	1.3%
Coal	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	-0.1%
Renewable Energy 3/ Electricity	0.12 5.48	0.12 5.57	0.12 5.67	0.12 5.78	0.12 5.89	0.12 6.00	0.12 6.12	0.12 6.24	0.12 6.36	0.12 6.49	0.12 6.62	0.12 6.76	0.12 6.89	0.12 7.03	0.0% 2.0%
Delivered Energy	10.21	10.35	10.50	10.66	10.82	10.98	11.14	11.30	11.48	11.67	11.86	12.04	12.24	12.43	1.6%
Electricity Related Losses	11.51	11.69	11.86	12.03	12.22	12.41	12.62	12.80	12.97	13.15	13.37	13.59	13.81	14.01	1.6%
Total	21.72	22.04	22.36	22.69	23.04	23.39	23.76	24.10	24.45	24.82	25.23	25.63	26.04	26.44	1.6%
Industrial 4/															
Liquefied Petroleum Gases	2.24	2.24	2.25	2.26	2.26	2.27	2.28	2.29	2.31	2.31	2.33	2.35	2.38	2.40	0.5%
Motor Gasoline 2/ Distillate Fuel Oil	0.33 1.20	0.33 1.21	0.33 1.21	0.33 1.22	0.34 1.22	0.34 1.22	0.34 1.22	0.34 1.23	0.35 1.23	0.35 1.24	0.35 1.25	0.35 1.25	0.35 1.25	0.36 1.26	0.4% 0.1%
Residual Fuel Oil	0.18	0.18	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	-0.9%
Petrochemical Feedstocks	1.49	1.48	1.49	1.50	1.50	1.51	1.51	1.52	1.52	1.53	1.54	1.55	1.56	1.57	0.5%
Other Petroleum 5/ Liquid Fuels and Other Petroleum Subtotal	4.21 9.65	4.30 9.74	4.38 9.83	4.34 9.82	4.45 9.94	4.54 10.05	4.53 10.07	4.56 10.12	4.48 10.07	4.65 10.26	4.70 10.34	4.61 10.29	4.62 10.35	4.78 10.55	0.3% 0.3%
Natural Gas	8.07	8.03	8.06	8.26	8.26	8.27	8.36	8.43	8.68	8.59	8.67	8.89	8.99	8.90	1.1%
Natural-Gas-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Lease and Plant Fuel 6/ Natural Gas Subtotal	1.11 9.18	1.15 9.18	1.20 9.26	1.21 9.46	1.21 9.47	1.21 9.48	1.20 9.56	1.19 9.62	1.17 9.85	1.16 9.75	1.16 9.83	1.16 10.04	1.16 10.14	1.15 10.05	0.2% 0.9%
Metallurgical Coal	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	-0.3%
Other Industrial Coal	1.35	1.34	1.34	1.34	1.34	1.35	1.35	1.35	1.35	1.35	1.36	1.36	1.36	1.36	0.0%
Coal-to-Liquids Heat and Power	0.14	0.17	0.19	0.21	0.23	0.33	0.35	0.48	0.67	0.81	0.81	0.88	0.90	0.93	N/A
Net Coal Coke Imports	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	-3.4%
Coal Subtotal	2.08	2.10	2.11	2.14	2.16	2.27	2.28	2.41	2.61	2.75	2.75	2.83	2.85	2.89	1.5%
Biofuels Heat and Coproducts	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88	5.2%
Renewable Energy 7/ Electricity	1.76 3.79	1.77 3.79	1.79 3.82	1.81 3.83	1.83 3.85	1.86 3.87	1.87 3.89	1.90 3.91	1.93 3.94	1.98 3.97	1.98 4.01	2.00 4.04	2.02 4.06	2.05 4.09	1.4% 0.6%
Delivered Energy	27.20	27.33	27.58	27.84	28.04	28.33	28.48	28.78	29.23	29.52	29.75	30.05	30.29	30.51	0.8%
Electricity Related Losses	7.97	7.96	7.98	7.98	7.99	8.01	8.01	8.02	8.03	8.05	8.09	8.11	8.13	8.15	0.3%
Total	35.17	35.29	35.56	35.82	36.03	36.34	36.50	36.80	37.26	37.57	37.84	38.17	38.42	38.66	0.7%

Table 2. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Transportation															
Liquefied Petroleum Gases	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	2.8%
E85 8/	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	11.8%
Motor Gasoline 2/	19.12	19.40	19.66	19.95	20.24	20.51	20.81	21.09	21.38	21.69	22.00	22.29	22.60	22.89	1.2%
Jet Fuel 9/	4.44	4.48	4.53	4.54	4.55	4.56	4.57	4.58	4.59	4.60	4.62	4.64	4.67	4.70	1.3%
Distillate Fuel Oil 10/	7.49	7.57	7.68	7.81	7.95	8.09	8.24	8.40	8.59	8.79	8.98	9.18	9.38	9.58	1.9%
Residual Fuel Oil	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.86	0.86	0.87	0.87	0.3%
Liquid Hydrogen	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	43.1%
Other Petroleum 11/	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.2%
Liquid Fuels and Other Petroleum Subtotal	32.14	32.55	32.98	33.41	33.85	34.28	34.74	35.20	35.69	36.22	36.75	37.27	37.80	38.34	1.3%
Pipeline Fuel Natural Gas	0.70	0.74	0.78	0.79	0.80	0.80	0.80	0.80	0.79	0.79	0.79	0.79	0.79	0.79	1.3%
Compressed Natural Gas	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.12	0.12	0.12	5.5%
Electricity	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	1.8%
Delivered Energy	32.95	33.41	33.88	34.33	34.78	35.22	35.68	36.14	36.63	37.16	37.69	38.22	38.75	39.29	1.4%
Electricity Related Losses	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	1.5%
Total	33.02	33.48	33.95	34.40	34.85	35.29	35.75	36.22	36.71	37.23	37.77	38.29	38.83	39.37	1.4%
Delivered Energy Consumption, All Sectors															
Liquefied Petroleum Gases	2.96	2.96	2.97	2.99	3.00	3.02	3.04	3.05	3.07	3.08	3.10	3.13	3.17	3.19	0.6%
E85 8/	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	11.8%
Motor Gasoline 2/	19.50	19.78	20.05	20.34	20.63	20.90	21.20	21.49	21.78	22.09	22.40	22.70	23.00	23.30	1.2%
Jet Fuel 9/	4.44	4.48	4.53	4.54	4.55	4.56	4.57	4.58	4.59	4.60	4.62	4.64	4.67	4.70	1.3%
Kerosene	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	-0.2%
Distillate Fuel Oil	10.05	10.13	10.23	10.36	10.48	10.62	10.77	10.92	11.11	11.31	11.50	11.70	11.88	12.09	1.3%
Residual Fuel Oil	1.16	1.16	1.16	1.16	1.16	1.17	1.17	1.17	1.18	1.18	1.18	1.18	1.19	1.19	0.1%
Petrochemical Feedstocks	1.49	1.48	1.49	1.50	1.50	1.51	1.51	1.52	1.52	1.53	1.54	1.55	1.56	1.57	0.5%
Liquid Hydrogen	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	43.1%
Other Petroleum 12/	4.38	4.47	4.55	4.51	4.61	4.71	4.70	4.73	4.65	4.82	4.87	4.78	4.79	4.96	0.3%
Liquid Fuels and Other Petroleum Subtotal	44.12	44.61	45.13	45.55	46.10	46.64	47.11	47.62	48.06	48.77	49.37	49.84	50.43	51.17	1.0%
Natural Gas	17.24	17.26	17.37	17.65	17.70	17.77	17.91	18.04	18.33	18.31	18.45	18.74	18.88	18.86	0.9%
Natural-Gas-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Lease and Plant Fuel 6/	1.11	1.15	1.20	1.21	1.21	1.20	1.19	1.17	1.16	1.16	1.16	1.16	1.16	1.15	0.2%
Pipeline Natural Gas	0.70	0.74	0.78	0.79	0.80	0.80	0.80	0.80	0.79	0.79	0.79	0.79	0.79	0.79	1.3%
Natural Gas Subtotal	19.05	19.15	19.35	19.64	19.71	19.78	19.91	20.03	20.30	20.26	20.41	20.69	20.83	20.80	0.9%
Metallurgical Coal	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	-0.3%
Other Coal	1.45	1.45	1.45	1.45	1.45	1.45	1.46	1.46	1.46	1.46	1.47	1.47	1.47	1.47	0.0%
Coal-to-Liquids Heat and Power	0.14	0.17	0.19	0.21	0.23	0.33	0.35	0.48	0.67	0.81	0.81	0.88	0.90	0.93	N/A
Net Coal Coke Imports	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	-3.4%
Coal Subtotal	2.18	2.20	2.22	2.24	2.26	2.37	2.39	2.52	2.71	2.86	2.86	2.94	2.96	2.99	1.4%
Biofuels Heat and Coproducts	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88	5.2%
Renewable Energy 13/	2.28	2.29	2.31	2.34	2.36	2.38	2.39	2.42	2.44	2.47	2.49	2.51	2.54	2.56	1.1%
Electricity	14.87	15.04	15.24	15.45	15.63	15.83	16.03	16.26	16.47	16.70	16.94	17.19	17.40	17.63	1.4%
Delivered Energy	83.26	84.06	85.02	86.00	86.85	87.80	88.65	89.66	90.82	91.90	92.92	94.03	95.02	96.03	1.1%
Electricity Related Losses	31.25	31.54	31.85	32.17	32.43	32.74	33.06	33.36	33.57	33.85	34.21	34.56	34.85	35.13	1.0%
Total	114.50	115.60	116.87	118.16	119.27	120.54	121.71	123.03	124.39	125.74	127.13	128.59	129.87	131.16	1.1%
Electric Power 14/															
Distillate Fuel Oil	0.25	0.25	0.25	0.25	0.26	0.26	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	1.5%
Residual Fuel Oil	0.73	0.72	0.71	0.72	0.71	0.71	0.71	0.72	0.71	0.71	0.72	0.73	0.72	0.72	-1.1%
Liquid Fuels and Other Petroleum Subtotal	0.98	0.97	0.96	0.97	0.96	0.97	0.98	0.99	0.99	0.99	1.00	1.02	1.01	1.01	-0.6%
Natural Gas	7.30	7.34	7.36	7.40	7.31	7.20	7.04	6.91	6.78	6.65	6.53	6.36	6.18	6.09	0.1%
Steam Coal	24.04	24.26	24.59	25.05	25.58	26.15	26.79	27.36	27.90	28.52	29.15	29.79	30.44	31.14	1.6%
Nuclear Power	8.82	9.03	9.18	9.23	9.23	9.23	9.23	9.23	9.23	9.23	9.29	9.37	9.44	9.33	0.6%
Renewable Energy 15/	4.93	4.94	4.95	4.93	4.93	4.97	5.02	5.07	5.09	5.11	5.14	5.17	5.14	5.15	1.4%
Electricity Imports	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.05	0.04	0.04	0.04	0.05	0.05	0.04	-2.6%
Total	46.12	46.58	47.09	47.62	48.05	48.57	49.10	49.62	50.04	50.55	51.15	51.75	52.24	52.77	1.1%
Total Energy Consumption															
Liquefied Petroleum Gases	2.96	2.96	2.97	2.99	3.00	3.02	3.04	3.05	3.07	3.08	3.10	3.13	3.17	3.19	0.6%
E85 8/	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	11.8%
Motor Gasoline 2/	19.50	19.78	20.05	20.34	20.63	20.90	21.20	21.49	21.78	22.09	22.40	22.70	23.00	23.30	1.2%
Jet Fuel 9/	4.44	4.48	4.53	4.54	4.55	4.56	4.57	4.58	4.59	4.60	4.62	4.64	4.67	4.70	1.3%

Table 2. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Kerosene	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	-0.2%
Distillate Fuel Oil	10.29	10.37	10.48	10.61	10.74	10.88	11.03	11.20	11.38	11.58	11.78	11.98	12.17	12.37	1.4%
Residual Fuel Oil	1.89	1.88	1.87	1.88	1.87	1.87	1.89	1.89	1.89	1.89	1.90	1.92	1.91	1.91	-0.4%
Petrochemical Feedstocks	1.49	1.48	1.49	1.50	1.50	1.51	1.51	1.52	1.52	1.53	1.54	1.55	1.56	1.57	0.5%
Liquid Hydrogen	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	43.1%
Other Petroleum 12/	4.38	4.47	4.55	4.51	4.61	4.71	4.70	4.73	4.65	4.82	4.87	4.78	4.79	4.96	0.3%
Liquid Fuels and Other Petroleum Subtotal	45.10	45.58	46.09	46.52	47.07	47.61	48.09	48.61	49.05	49.76	50.37	50.86	51.44	52.17	1.0%
Natural Gas	24.54	24.60	24.73	25.05	25.01	24.97	24.95	24.95	25.11	24.96	24.98	25.10	25.06	24.95	0.7%
Natural-Gas-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Lease and Plant Fuel 6/	1.11	1.15	1.20	1.21	1.21	1.21	1.20	1.19	1.17	1.16	1.16	1.16	1.16	1.15	0.2%
Pipeline Natural Gas	0.70	0.74	0.78	0.79	0.80	0.80	0.80	0.80	0.79	0.79	0.79	0.79	0.79	0.79	1.3%
Natural Gas Subtotal	26.36	26.49	26.70	27.04	27.02	26.98	26.94	26.94	27.08	26.92	26.93	27.05	27.00	26.89	0.7%
Metallurgical Coal	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	-0.3%
Other Coal	25.50	25.71	26.04	26.50	27.03	27.61	28.24	28.82	29.36	29.98	30.61	31.26	31.91	32.61	1.5%
Coal-to-Liquids Heat and Power	0.14	0.17	0.19	0.21	0.23	0.33	0.35	0.48	0.67	0.81	0.81	0.88	0.90	0.93	N/A
Net Coal Coke Imports	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	-3.4%
Coal Subtotal	26.23	26.46	26.81	27.29	27.84	28.53	29.18	29.88	30.62	31.37	32.01	32.73	33.40	34.14	1.6%
Nuclear Power	8.82	9.03	9.18	9.23	9.23	9.23	9.23	9.23	9.23	9.23	9.29	9.37	9.44	9.33	0.6%
Biofuels Heat and Coproducts	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88	5.2%
Renewable Energy 16/	7.21	7.24	7.26	7.27	7.28	7.35	7.41	7.49	7.54	7.58	7.63	7.68	7.67	7.71	1.3%
Electricity Imports	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.05	0.04	0.04	0.04	0.05	0.05	0.04	-2.6%
Total	114.50	115.60	116.87	118.16	119.28	120.54	121.71	123.03	124.39	125.74	127.13	128.59	129.87	131.16	1.1%
Energy Use & Related Statistics															
Delivered Energy Use	83.26	84.06	85.02	86.00	86.85	87.80	88.65	89.66	90.82	91.90	92.92	94.03	95.02	96.03	1.1%
Total Energy Use	114.50	115.60	116.87	118.16	119.28	120.54	121.71	123.03	124.39	125.74	127.13	128.59	129.87	131.16	1.1%
Ethanol Consumed in Motor Gasoline and E85	1.01	1.02	1.04	1.06	1.08	1.10	1.11	1.12	1.15	1.16	1.18	1.19	1.20	1.22	5.3%
Population (millions)	329.09	331.77	334.46	337.13	339.82	342.53	345.26	348.01	350.78	353.57	356.38	359.21	362.07	364.94	0.8%
Gross Domestic Product (billion 2000 dollars)	15611	16072	16560	17077	17584	18082	18590	19119	19666	20225	20785	21338	21909	22494	2.9%
Carbon Dioxide Emissions (million metric tons)	6715.9	6777.2	6853.9	6944.5	7030.3	7128.1	7220.2	7320.1	7424.6	7533.0	7633.8	7741.0	7839.7	7950.2	1.2%

Table 2. Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted)

1/ Includes wood used for residential heating. See Table 4 and/or Table 17 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 5 and/or Table 17 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating and solar photovoltaic electricity generation.

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

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

6/ Represents natural gas used in well, field, and lease operations, and in natural gas processing plant machinery.

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

8/ 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 is used for this forecast.

9/ Includes only kerosene type.

10/ Diesel fuel for on- and off- road use.

11/ Includes aviation gasoline and lubricants.

12/ Includes unfinished oils, natural gasoline, motor gasoline blending components, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, tire-derived fuel, 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 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 2004 and 2005 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: 2004 and 2005 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 population and gross domestic product: Global Insight macroeconomic model CTL0806. 2004 and 2005 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2005, DOE/EIA-0573(2005) (Washington, DC, November 2006). Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 3. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Residential													
Liquefied Petroleum Gases	18.21	19.29	21.16	24.54	24.49	23.96	23.67	23.26	23.11	22.91	22.94	22.88	22.98
Distillate Fuel Oil	12.89	14.73	16.91	17.45	16.91	15.84	14.87	14.03	13.36	12.60	12.52	12.60	12.63
Natural Gas	10.72	12.43	13.04	11.83	11.74	11.25	10.98	10.59	10.44	10.25	10.29	10.24	10.33
Electricity	27.10	27.59	27.64	27.49	27.37	27.15	26.91	26.51	26.28	26.17	26.04	25.99	26.09
Commercial													
Distillate Fuel Oil	10.48	12.68	14.63	15.32	14.44	13.45	12.72	11.98	11.34	10.85	10.67	10.73	10.87
Residual Fuel Oil	6.25	8.41	10.10	7.88	7.80	7.68	7.54	7.06	6.92	5.99	6.31	6.49	6.45
Natural Gas	9.40	11.20	11.38	10.27	10.16	9.63	9.34	8.92	8.75	8.54	8.55	8.48	8.55
Electricity	24.59	25.25	25.74	25.34	25.27	24.92	24.50	23.86	23.59	23.44	23.31	23.33	23.48
Industrial 1/													
Liquefied Petroleum Gases	11.18	16.96	18.96	17.51	17.39	16.75	16.42	15.94	15.77	15.62	15.63	15.57	15.68
Distillate Fuel Oil	10.99	13.08	15.14	15.44	14.29	13.42	12.95	12.48	11.88	11.64	11.35	11.40	11.63
Residual Fuel Oil	5.77	7.77	9.34	9.88	10.08	9.79	9.50	8.78	8.47	8.04	7.98	8.21	8.41
Natural Gas 2/	6.47	8.16	7.45	7.36	7.29	6.74	6.43	6.02	5.87	5.68	5.69	5.65	5.74
Metallurgical Coal	2.31	3.06	3.25	3.30	3.29	3.19	3.09	2.99	2.89	2.79	2.74	2.72	2.71
Other Industrial Coal	1.80	2.15	2.20	2.24	2.25	2.24	2.26	2.25	2.23	2.21	2.21	2.20	2.19
Coal to Liquids	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.89	0.88	0.88	0.89	0.89	0.89
Electricity	15.88	16.69	18.26	18.77	18.85	18.52	18.01	17.25	16.79	16.59	16.47	16.46	16.61
Transportation													
Liquefied Petroleum Gases 3/ E85 4/	19.68	23.92	26.81	22.71	22.76	22.27	24.34	23.93	23.76	23.54	23.56	23.49	23.56
Motor Gasoline 5/	20.91	23.10	24.81	27.77	26.00	24.27	21.29	20.53	20.34	20.20	20.01	20.09	20.20
Jet Fuel 6/	15.72	18.64	21.15	20.96	19.72	18.69	17.90	17.23	16.86	16.57	16.09	16.06	16.11
Distillate Fuel Oil 7/	9.22	13.14	14.96	12.99	11.72	11.26	10.91	10.37	10.06	10.03	9.84	9.89	10.03
Residual Fuel Oil	13.58	17.52	19.79	19.71	18.21	17.31	16.81	16.00	15.39	15.21	14.82	14.86	15.12
Natural Gas 8/	4.85	5.51	7.16	8.82	9.05	8.60	8.05	7.69	7.34	7.10	6.97	7.04	7.03
Electricity	11.91	14.76	11.98	12.28	12.14	12.32	13.97	13.51	13.29	13.04	12.94	12.86	12.89
Electricity	26.10	25.22	26.12	25.63	25.75	25.39	24.86	24.32	24.13	23.98	23.79	23.81	23.88
Electric Power 9/													
Distillate Fuel Oil	9.52	11.38	13.24	14.26	13.77	12.70	11.71	10.78	10.03	9.29	9.20	9.26	9.28
Residual Fuel Oil	4.99	6.96	7.85	7.19	7.29	6.99	6.58	6.21	5.90	5.46	5.45	5.60	5.63
Natural Gas	6.11	8.18	6.97	7.12	7.07	6.53	6.22	5.83	5.69	5.50	5.54	5.50	5.60
Steam Coal	1.40	1.53	1.67	1.69	1.70	1.70	1.71	1.67	1.64	1.62	1.61	1.60	1.59
Average Price to All Users 10/													
Liquefied Petroleum Gases	12.69	17.48	19.46	19.00	18.88	18.29	18.02	17.57	17.42	17.27	17.29	17.24	17.36
E85 4/	20.91	23.10	24.81	27.77	26.00	24.27	21.29	20.53	20.34	20.20	20.01	20.09	20.20
Motor Gasoline 5/	15.71	18.60	21.11	20.96	19.72	18.69	17.90	17.23	16.86	16.56	16.08	16.06	16.11
Jet Fuel	9.22	13.14	14.96	12.99	11.72	11.26	10.91	10.37	10.06	10.03	9.84	9.89	10.03
Distillate Fuel Oil	12.91	16.22	18.42	18.44	17.20	16.30	15.70	14.92	14.36	14.18	13.86	13.92	14.15
Residual Fuel Oil	5.10	6.59	7.92	8.25	8.41	8.06	7.61	7.19	6.87	6.45	6.41	6.55	6.57
Natural Gas	7.83	9.65	9.14	8.76	8.66	8.13	7.83	7.44	7.29	7.09	7.12	7.06	7.15
Metallurgical Coal	2.31	3.06	3.25	3.30	3.29	3.19	3.09	2.99	2.89	2.79	2.74	2.72	2.71
Other Coal	1.43	1.57	1.71	1.73	1.74	1.73	1.74	1.70	1.67	1.66	1.65	1.63	1.63
Coal to Liquids	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.89	0.88	0.88	0.89	0.89	0.89
Electricity	23.01	23.73	24.38	24.32	24.30	24.02	23.66	23.09	22.80	22.66	22.55	22.55	22.69
Non-Renewable Energy Expenditures by Sector (billion 2005 dollars)													
Residential	195.99	215.13	218.81	221.30	223.50	221.10	220.44	218.08	218.46	217.85	219.40	221.00	224.59
Commercial	141.78	154.38	157.85	156.07	159.31	158.54	157.97	156.35	157.31	158.59	160.74	163.37	167.21

Table 3. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Industrial	184.23	196.07	205.40	217.88	214.15	207.11	200.48	191.81	187.29	184.92	184.25	184.11	186.81
Transportation	385.00	474.66	545.72	538.79	508.11	488.45	476.38	463.41	458.16	458.57	452.79	459.42	469.74
Total Non-Renewable Expenditures	907.00	1040.25	1127.78	1134.03	1105.07	1075.20	1055.27	1029.66	1021.22	1019.93	1017.18	1027.91	1048.35
Transportation Renewable Expenditures	0.02	0.03	0.05	0.04	0.05	0.05	0.06	0.07	0.08	0.08	0.08	0.09	0.10
Total Expenditures	907.02	1040.29	1127.82	1134.07	1105.12	1075.25	1055.33	1029.74	1021.30	1020.01	1017.26	1028.00	1048.45

Table 3. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Residential															
Liquefied Petroleum Gases	23.19	23.13	23.09	23.18	23.15	23.29	23.42	23.54	23.53	23.56	23.65	23.78	23.87	23.91	0.9%
Distillate Fuel Oil	12.74	12.83	13.05	13.15	13.26	13.42	13.36	13.51	13.56	13.63	13.80	13.90	14.06	14.13	-0.2%
Natural Gas	10.56	10.49	10.44	10.54	10.54	10.67	10.83	10.95	10.97	11.02	11.12	11.26	11.37	11.43	-0.3%
Electricity	26.30	26.45	26.36	26.37	26.42	26.42	26.46	26.56	26.61	26.56	26.57	26.61	26.74	26.76	-0.1%
Commercial															
Distillate Fuel Oil	10.93	11.02	11.29	11.35	11.46	11.69	11.51	11.68	11.85	11.86	12.05	12.25	12.33	12.45	-0.1%
Residual Fuel Oil	6.59	6.70	6.99	7.07	7.24	7.40	7.24	7.38	7.17	7.30	7.40	7.46	7.24	7.31	-0.6%
Natural Gas	8.74	8.66	8.60	8.67	8.64	8.75	8.87	8.97	8.96	8.98	9.05	9.17	9.25	9.30	-0.7%
Electricity	23.75	23.94	23.89	23.95	24.00	24.01	24.08	24.20	24.23	24.18	24.16	24.21	24.29	24.27	-0.2%
Industrial 1/															
Liquefied Petroleum Gases	15.87	15.87	15.86	15.91	15.88	15.99	16.11	16.25	16.22	16.23	16.32	16.42	16.51	16.55	-0.1%
Distillate Fuel Oil	11.63	11.74	12.06	12.04	12.14	12.42	12.17	12.36	12.62	12.58	12.79	13.07	13.06	13.25	0.1%
Residual Fuel Oil	8.56	8.61	8.81	8.91	9.07	9.21	9.15	9.29	9.26	9.38	9.50	9.50	9.61	9.58	0.8%
Natural Gas 2/	5.92	5.88	5.84	5.90	5.89	6.00	6.12	6.24	6.21	6.25	6.33	6.43	6.51	6.56	-0.9%
Metallurgical Coal	2.71	2.70	2.69	2.71	2.72	2.72	2.71	2.69	2.70	2.70	2.72	2.73	2.74	2.75	-0.4%
Other Industrial Coal	2.19	2.18	2.18	2.18	2.20	2.21	2.21	2.22	2.23	2.24	2.25	2.27	2.27	2.29	0.2%
Coal to Liquids	0.90	0.91	0.95	0.97	1.01	1.03	1.03	1.12	1.23	1.27	1.28	1.33	1.33	1.33	N/A
Electricity	16.85	17.02	17.00	17.07	17.13	17.14	17.21	17.33	17.35	17.31	17.30	17.33	17.43	17.43	0.2%
Transportation															
Liquefied Petroleum Gases 3/	23.75	23.65	23.58	23.66	23.63	23.74	23.87	23.97	23.95	23.98	24.06	24.17	24.26	24.29	0.1%
E85 4/	20.43	20.41	20.62	20.61	20.62	21.07	20.97	20.96	21.26	21.10	21.32	21.44	21.40	21.50	-0.3%
Motor Gasoline 5/	16.24	16.32	16.67	16.63	16.75	17.05	16.92	17.10	17.32	17.14	17.29	17.53	17.53	17.76	-0.2%
Jet Fuel 6/	10.09	10.21	10.52	10.51	10.59	10.89	10.79	10.91	11.10	11.05	11.23	11.52	11.51	11.75	-0.4%
Distillate Fuel Oil 7/	15.08	15.16	15.48	15.42	15.49	15.77	15.47	15.64	15.91	15.83	16.03	16.33	16.26	16.47	-0.2%
Residual Fuel Oil	7.12	7.14	7.17	7.36	7.49	7.65	7.68	7.85	7.90	8.04	8.18	8.12	8.38	8.27	1.6%
Natural Gas 8/	13.03	12.95	12.95	12.98	12.95	13.08	13.11	13.20	13.22	13.18	13.24	13.36	13.40	13.45	-0.4%
Electricity	24.07	24.26	24.18	24.22	24.25	24.22	24.31	24.43	24.47	24.39	24.35	24.40	24.48	24.46	-0.1%
Electric Power 9/															
Distillate Fuel Oil	9.44	9.54	9.75	9.84	9.96	10.11	10.08	10.22	10.25	10.32	10.49	10.57	10.74	10.79	-0.2%
Residual Fuel Oil	5.74	5.81	6.01	6.08	6.23	6.42	6.32	6.53	6.58	6.64	6.73	6.75	6.85	6.85	-0.1%
Natural Gas	5.79	5.72	5.67	5.76	5.73	5.84	5.95	6.06	6.05	6.07	6.15	6.25	6.31	6.33	-1.0%
Steam Coal	1.59	1.58	1.58	1.58	1.59	1.60	1.60	1.61	1.63	1.64	1.65	1.67	1.67	1.69	0.4%
Average Price to All Users 10/															
Liquefied Petroleum Gases	17.56	17.56	17.56	17.62	17.60	17.72	17.84	17.99	17.96	17.99	18.08	18.18	18.26	18.30	0.2%
E85 4/	20.43	20.41	20.62	20.61	20.62	21.07	20.97	20.96	21.26	21.10	21.32	21.44	21.40	21.50	-0.3%
Motor Gasoline 5/	16.24	16.32	16.67	16.63	16.75	17.05	16.92	17.10	17.32	17.14	17.29	17.53	17.53	17.75	-0.2%
Jet Fuel	10.09	10.21	10.52	10.51	10.59	10.89	10.79	10.91	11.10	11.05	11.23	11.52	11.51	11.75	-0.4%
Distillate Fuel Oil	14.14	14.24	14.56	14.53	14.62	14.90	14.65	14.83	15.08	15.03	15.24	15.53	15.50	15.70	-0.1%
Residual Fuel Oil	6.68	6.74	6.87	7.00	7.14	7.31	7.27	7.45	7.47	7.58	7.70	7.68	7.83	7.79	0.7%
Natural Gas	7.35	7.29	7.24	7.32	7.31	7.44	7.57	7.69	7.68	7.73	7.82	7.94	8.03	8.09	-0.7%
Metallurgical Coal	2.71	2.70	2.69	2.71	2.72	2.72	2.71	2.69	2.70	2.70	2.72	2.73	2.74	2.75	-0.4%
Other Coal	1.62	1.61	1.61	1.61	1.62	1.63	1.63	1.65	1.66	1.67	1.68	1.69	1.70	1.72	0.4%
Coal to Liquids	0.90	0.91	0.95	0.97	1.01	1.03	1.03	1.12	1.23	1.27	1.28	1.33	1.33	1.33	N/A
Electricity	22.95	23.14	23.09	23.15	23.21	23.23	23.30	23.43	23.47	23.43	23.43	23.48	23.59	23.60	0.0%
Non-Renewable Energy Expenditures by Sector (billion 2005 dollars)															
Residential	228.53	230.97	232.57	236.03	237.58	240.44	243.39	247.24	248.99	251.03	253.73	257.29	259.96	262.21	0.8%
Commercial	172.04	175.58	178.09	181.74	185.01	188.79	192.87	197.36	201.11	204.49	208.50	213.25	217.97	222.08	1.5%

Table 3. Energy Prices by Sector and Source
 (2005 dollars per million Btu, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Industrial	189.66	190.50	192.03	194.88	196.87	200.07	202.13	205.49	206.98	209.31	212.90	216.30	219.27	222.08	0.5%
Transportation	478.67	487.87	505.29	511.07	521.65	538.78	540.64	554.21	570.28	574.30	588.98	607.12	615.46	632.79	1.2%
Total Non-Renewable Expenditures	1068.91	1084.92	1107.99	1123.73	1141.11	1168.07	1179.04	1204.30	1227.35	1239.13	1264.11	1293.96	1312.66	1339.16	1.0%
Transportation Renewable Expenditures	0.10	0.11	0.13	0.15	0.19	0.22	0.24	0.29	0.32	0.35	0.39	0.44	0.47	0.51	11.5%
Total Expenditures	1069.01	1085.04	1108.12	1123.89	1141.30	1168.29	1179.28	1204.59	1227.67	1239.48	1264.49	1294.40	1313.13	1339.68	1.0%

Table 3. Energy Prices by Sector and Source
(2005 dollars per million Btu, unless otherwise noted)

- 1/ 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/ Excludes use for lease and plant fuel.
- 3/ Includes Federal and State taxes while excluding county and local taxes.
- 4/ 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 is used for this forecast.
- 5/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
- 6/ Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.
- 7/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.
- 8/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes and estimated dispensing costs or charges.
- 9/ Includes electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
- 10/ 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.

N/A = Not applicable.

Note: Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005 prices for motor gasoline, distillate fuel oil, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2005, DOE/EIA-0487(2005) (Washington, DC, August 2006). 2004 residential and commercial natural gas delivered prices: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005). 2005 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 and 2005 industrial natural gas delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and the Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 transportation sector natural gas delivered prices are based on: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and estimated state taxes, federal taxes, and dispensing costs or charges. 2005 transportation sector natural gas delivered prices are model results. 2004 and 2005 electric power sector natural gas prices: EIA, Electric Power Monthly, May 2005 through April 2006, Table 4.11.A. 2004 and 2005 coal prices based on: EIA, Quarterly Coal Report, October-December 2005, DOE/EIA-0121 (2005/4Q) (Washington, DC, March 2006) and EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a. 2004 and 2005 electricity prices: EIA, Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 ethanol prices derived from weekly spot prices in the Oxy Fuel News. Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 4. Residential Sector Key Indicators and Consumption
(quadrillion Btu, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Key Indicators													
Households (millions)													
Single-Family	77.46	78.95	80.26	81.44	82.57	83.69	84.84	85.99	87.09	88.17	89.25	90.34	91.43
Multifamily	27.37	27.67	27.97	28.24	28.54	28.83	29.10	29.36	29.62	29.88	30.13	30.39	30.66
Mobile Homes	6.72	6.70	6.66	6.65	6.68	6.72	6.77	6.82	6.87	6.92	6.97	7.03	7.08
Total	111.56	113.32	114.89	116.34	117.80	119.25	120.71	122.17	123.58	124.97	126.35	127.75	129.17
Average House Square Footage	1755	1770	1783	1795	1807	1818	1830	1841	1852	1862	1873	1883	1893
Energy Intensity													
(million Btu per household)													
Delivered Energy Consumption	102.1	102.3	98.2	101.2	101.6	101.2	101.1	101.0	101.0	100.5	100.1	99.7	99.5
Total Energy Consumption	189.6	191.9	187.8	190.6	191.2	191.2	191.4	191.1	191.2	190.3	189.9	189.3	189.2
(thousand Btu per square foot)													
Delivered Energy Consumption	58.2	57.8	55.1	56.4	56.2	55.7	55.3	54.8	54.6	54.0	53.5	53.0	52.6
Total Energy Consumption	108.0	108.4	105.4	106.2	105.8	105.1	104.6	103.8	103.2	102.2	101.4	100.5	100.0
Delivered Energy Consumption by Fuel													
Electricity													
Space Heating	0.39	0.40	0.40	0.42	0.43	0.43	0.44	0.45	0.45	0.46	0.46	0.47	0.47
Space Cooling	0.65	0.74	0.75	0.71	0.71	0.72	0.73	0.74	0.74	0.75	0.76	0.76	0.77
Water Heating	0.37	0.37	0.38	0.38	0.38	0.38	0.39	0.39	0.40	0.40	0.40	0.40	0.41
Refrigeration	0.40	0.39	0.38	0.38	0.37	0.37	0.36	0.36	0.36	0.35	0.35	0.35	0.35
Cooking	0.10	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.13
Clothes Dryers	0.24	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.28
Freezers	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Lighting	0.72	0.73	0.73	0.74	0.76	0.77	0.79	0.80	0.82	0.84	0.85	0.87	0.88
Clothes Washers 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	0.03
Dishwashers 1/	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Color Televisions and Set-Top Boxes	0.30	0.30	0.31	0.33	0.36	0.37	0.38	0.38	0.39	0.39	0.39	0.39	0.39
Personal Computers	0.07	0.08	0.08	0.09	0.10	0.11	0.12	0.12	0.13	0.14	0.14	0.14	0.15
Furnace Fans	0.08	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.11	0.11
Other Uses 2/	0.89	1.01	1.07	1.10	1.13	1.17	1.21	1.24	1.27	1.30	1.33	1.36	1.40
Delivered Energy	4.41	4.66	4.73	4.78	4.89	4.97	5.06	5.14	5.23	5.29	5.36	5.43	5.51
Natural Gas													
Space Heating	3.53	3.52	3.15	3.56	3.63	3.66	3.69	3.73	3.77	3.78	3.80	3.82	3.84
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	1.14	1.13	1.13	1.14	1.14	1.15	1.16	1.17	1.17	1.17	1.17	1.17
Cooking	0.21	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.24
Clothes Dryers	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08
Other Uses 3/	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
Delivered Energy	5.02	4.98	4.61	5.02	5.10	5.14	5.18	5.23	5.28	5.30	5.32	5.35	5.38
Distillate Fuel Oil													
Space Heating	0.81	0.82	0.80	0.80	0.79	0.79	0.79	0.79	0.80	0.80	0.80	0.79	0.79
Water Heating	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10
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	0.93	0.93	0.91	0.91	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.89	0.89

Table 4. Residential Sector Key Indicators and Consumption
(quadrillion Btu, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Liquefied Petroleum Gases													
Space Heating	0.29	0.26	0.28	0.28	0.28	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
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/	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.19	0.19	0.20	0.20	0.21	0.21
Delivered Energy	0.54	0.51	0.53	0.53	0.53	0.53	0.53	0.54	0.54	0.55	0.55	0.56	0.56
Marketed Renewables (wood) 5/													
Marketed Renewables (wood) 5/	0.40	0.41	0.40	0.43	0.43	0.43	0.43	0.42	0.42	0.41	0.41	0.41	0.41
Other Fuels 6/	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Delivered Energy Consumption by End Use													
Space Heating	5.52	5.51	5.14	5.59	5.67	5.69	5.73	5.77	5.82	5.83	5.85	5.87	5.89
Space Cooling	0.65	0.74	0.75	0.71	0.71	0.72	0.73	0.74	0.74	0.75	0.76	0.76	0.77
Water Heating	1.70	1.68	1.66	1.66	1.68	1.68	1.69	1.70	1.71	1.72	1.72	1.72	1.73
Refrigeration	0.40	0.39	0.38	0.38	0.37	0.37	0.36	0.36	0.36	0.35	0.35	0.35	0.35
Cooking	0.35	0.35	0.35	0.36	0.36	0.37	0.37	0.37	0.38	0.38	0.38	0.39	0.39
Clothes Dryers	0.31	0.32	0.32	0.33	0.33	0.33	0.34	0.34	0.34	0.35	0.35	0.35	0.36
Freezers	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Lighting	0.72	0.73	0.73	0.74	0.76	0.77	0.79	0.80	0.82	0.84	0.85	0.87	0.88
Clothes Washers	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
Dishwashers	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Color Televisions and Set-Top Boxes	0.30	0.30	0.31	0.33	0.36	0.37	0.38	0.38	0.39	0.39	0.39	0.39	0.39
Personal Computers	0.07	0.08	0.08	0.09	0.10	0.11	0.12	0.12	0.13	0.14	0.14	0.14	0.15
Furnace Fans	0.08	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.11	0.11
Other Uses 7/	1.11	1.22	1.29	1.31	1.35	1.39	1.43	1.47	1.51	1.54	1.58	1.61	1.65
Delivered Energy	11.39	11.60	11.28	11.78	11.97	12.07	12.21	12.34	12.49	12.56	12.65	12.74	12.85
Electricity Related Losses													
Electricity Related Losses	9.75	10.15	10.30	10.40	10.56	10.72	10.90	11.01	11.14	11.21	11.34	11.44	11.59
Total Energy Consumption by End Use													
Space Heating	6.39	6.40	6.00	6.51	6.60	6.63	6.67	6.72	6.78	6.80	6.83	6.85	6.88
Space Cooling	2.08	2.36	2.38	2.24	2.25	2.27	2.30	2.31	2.33	2.34	2.36	2.37	2.39
Water Heating	2.52	2.49	2.48	2.49	2.50	2.51	2.53	2.54	2.56	2.56	2.56	2.57	2.58
Refrigeration	1.28	1.24	1.22	1.20	1.18	1.17	1.15	1.13	1.12	1.11	1.10	1.09	1.09
Cooking	0.58	0.58	0.59	0.60	0.61	0.61	0.62	0.62	0.63	0.64	0.64	0.65	0.66
Clothes Dryers	0.86	0.86	0.87	0.88	0.88	0.89	0.90	0.91	0.91	0.92	0.92	0.93	0.94
Freezers	0.41	0.40	0.39	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.37
Lighting	2.33	2.34	2.32	2.36	2.39	2.43	2.48	2.52	2.57	2.61	2.65	2.69	2.74
Clothes Washers	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.09	0.09
Dishwashers	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09
Color Televisions and Set-Top Boxes	0.95	0.96	0.99	1.06	1.13	1.17	1.20	1.21	1.21	1.21	1.21	1.21	1.22
Personal Computers	0.24	0.25	0.26	0.29	0.31	0.34	0.37	0.39	0.41	0.42	0.44	0.45	0.46
Furnace Fans	0.27	0.27	0.27	0.28	0.29	0.30	0.30	0.31	0.31	0.32	0.32	0.33	0.33
Other Uses 7/	3.07	3.42	3.61	3.70	3.80	3.91	4.03	4.12	4.23	4.30	4.40	4.49	4.60
Total	21.15	21.75	21.58	22.17	22.53	22.80	23.11	23.34	23.62	23.78	23.99	24.18	24.44
Nonmarketed Renewables 8/													
Geothermal Heat Pumps	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Solar Hot Water Heating	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
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	0.00
Total	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05

Table 4. Residential Sector Key Indicators and Consumption
(quadrillion Btu, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Key Indicators															
Households (millions)															
Single-Family	92.49	93.54	94.56	95.57	96.55	97.51	98.45	99.38	100.32	101.26	102.18	103.05	103.90	104.76	1.1%
Multifamily	30.93	31.21	31.51	31.81	32.11	32.41	32.71	33.01	33.31	33.61	33.93	34.25	34.57	34.88	0.9%
Mobile Homes	7.14	7.20	7.26	7.32	7.38	7.43	7.48	7.53	7.59	7.64	7.69	7.75	7.80	7.85	0.6%
Total	130.56	131.95	133.33	134.70	136.04	137.35	138.64	139.92	141.21	142.51	143.80	145.04	146.26	147.49	1.1%
Average House Square Footage	1902	1912	1921	1929	1938	1946	1954	1961	1969	1977	1984	1991	1998	2004	0.5%
Energy Intensity															
(million Btu per household)															
Delivered Energy Consumption	98.7	98.3	97.9	97.8	97.1	96.7	96.3	96.1	95.4	95.1	94.7	94.6	94.0	93.6	-0.4%
Total Energy Consumption	188.3	187.9	187.5	187.5	186.4	185.8	185.4	185.2	184.0	183.3	182.9	182.7	181.7	181.0	-0.2%
(thousand Btu per square foot)															
Delivered Energy Consumption	51.9	51.4	51.0	50.7	50.1	49.7	49.3	49.0	48.5	48.1	47.8	47.5	47.0	46.7	-0.9%
Total Energy Consumption	99.0	98.3	97.6	97.2	96.2	95.5	94.9	94.4	93.4	92.7	92.2	91.8	90.9	90.3	-0.7%
Delivered Energy Consumption by Fuel															
Electricity															
Space Heating	0.47	0.48	0.48	0.49	0.49	0.49	0.49	0.50	0.50	0.50	0.51	0.51	0.51	0.51	1.0%
Space Cooling	0.78	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88	0.89	0.90	0.8%
Water Heating	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.42	0.42	0.42	0.4%
Refrigeration	0.35	0.35	0.35	0.35	0.35	0.36	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.38	-0.1%
Cooking	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	1.3%
Clothes Dryers	0.28	0.28	0.28	0.29	0.29	0.29	0.30	0.30	0.30	0.31	0.31	0.31	0.32	0.32	1.0%
Freezers	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.2%
Lighting	0.90	0.91	0.92	0.94	0.95	0.96	0.97	0.98	0.99	1.00	1.01	1.02	1.02	1.03	1.3%
Clothes Washers 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	0.03	0.03	-0.8%
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	0.03	0.03	1.2%
Color Televisions and Set-Top Boxes	0.39	0.40	0.40	0.40	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.50	2.0%
Personal Computers	0.15	0.16	0.16	0.17	0.18	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.21	0.21	4.1%
Furnace Fans	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	1.6%
Other Uses 2/	1.43	1.46	1.49	1.53	1.55	1.57	1.59	1.61	1.63	1.65	1.67	1.70	1.72	1.74	2.2%
Delivered Energy	5.57	5.64	5.71	5.80	5.85	5.92	5.99	6.08	6.13	6.20	6.27	6.36	6.41	6.47	1.3%
Natural Gas															
Space Heating	3.83	3.85	3.86	3.88	3.88	3.89	3.89	3.89	3.89	3.89	3.89	3.90	3.89	3.89	0.4%
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	0.00	31.8%
Water Heating	1.17	1.17	1.18	1.18	1.18	1.18	1.18	1.19	1.18	1.19	1.19	1.19	1.19	1.20	0.2%
Cooking	0.24	0.24	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.26	0.7%
Clothes Dryers	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	1.0%
Other Uses 3/	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-0.3%
Delivered Energy	5.37	5.38	5.40	5.43	5.43	5.44	5.44	5.46	5.45	5.46	5.47	5.48	5.47	5.47	0.4%
Distillate Fuel Oil															
Space Heating	0.78	0.77	0.77	0.76	0.75	0.74	0.73	0.73	0.72	0.71	0.70	0.70	0.69	0.68	-0.7%
Water Heating	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	-1.6%
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	0.00	-0.5%
Delivered Energy	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.78	0.77	0.76	-0.8%

Table 4. Residential Sector Key Indicators and Consumption
(quadrillion Btu, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Liquefied Petroleum Gases															
Space Heating	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.1%
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	0.05	0.2%
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	0.03	0.7%
Other Uses 3/	0.21	0.22	0.22	0.23	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.26	0.27	1.8%
Delivered Energy	0.56	0.57	0.57	0.58	0.58	0.58	0.59	0.59	0.60	0.60	0.61	0.61	0.61	0.62	0.8%
Marketed Renewables (wood) 5/															
Marketed Renewables (wood) 5/	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.39	0.39	0.39	0.39	-0.2%
Other Fuels 6/	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	-0.4%
Delivered Energy Consumption by End Use															
Space Heating	5.87	5.88	5.89	5.91	5.89	5.89	5.89	5.89	5.87	5.87	5.87	5.87	5.84	5.83	0.2%
Space Cooling	0.78	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88	0.89	0.90	0.8%
Water Heating	1.72	1.72	1.73	1.73	1.73	1.73	1.73	1.74	1.73	1.73	1.74	1.74	1.74	1.74	0.2%
Refrigeration	0.35	0.35	0.35	0.35	0.35	0.36	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.38	-0.1%
Cooking	0.39	0.40	0.40	0.41	0.41	0.41	0.41	0.42	0.42	0.42	0.43	0.43	0.43	0.44	0.9%
Clothes Dryers	0.36	0.36	0.37	0.37	0.37	0.38	0.38	0.39	0.39	0.39	0.40	0.40	0.41	0.41	1.0%
Freezers	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.2%
Lighting	0.90	0.91	0.92	0.94	0.95	0.96	0.97	0.98	0.99	1.00	1.01	1.02	1.02	1.03	1.3%
Clothes Washers	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-0.8%
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	0.03	0.03	1.2%
Color Televisions and Set-Top Boxes	0.39	0.40	0.40	0.40	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.50	2.0%
Personal Computers	0.15	0.16	0.16	0.17	0.18	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.21	0.21	4.1%
Furnace Fans	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	1.6%
Other Uses 7/	1.68	1.72	1.76	1.80	1.82	1.84	1.87	1.90	1.92	1.94	1.97	2.00	2.02	2.05	2.1%
Delivered Energy	12.89	12.97	13.06	13.17	13.21	13.28	13.34	13.44	13.48	13.55	13.62	13.72	13.74	13.80	0.7%
Electricity Related Losses															
Electricity Related Losses	11.70	11.83	11.94	12.08	12.15	12.25	12.36	12.47	12.50	12.57	12.67	12.78	12.83	12.89	1.0%
Total Energy Consumption by End Use															
Space Heating	6.87	6.88	6.89	6.92	6.91	6.91	6.91	6.92	6.89	6.89	6.89	6.90	6.87	6.86	0.3%
Space Cooling	2.41	2.43	2.45	2.47	2.49	2.51	2.53	2.55	2.57	2.59	2.62	2.65	2.68	2.70	0.5%
Water Heating	2.57	2.58	2.58	2.59	2.58	2.58	2.58	2.58	2.57	2.57	2.57	2.57	2.57	2.57	0.1%
Refrigeration	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.10	1.10	1.10	1.11	1.12	1.12	1.13	-0.4%
Cooking	0.66	0.67	0.67	0.68	0.68	0.69	0.70	0.70	0.71	0.71	0.72	0.72	0.72	0.73	0.9%
Clothes Dryers	0.94	0.95	0.96	0.97	0.97	0.98	0.99	1.00	1.01	1.01	1.02	1.04	1.04	1.05	0.8%
Freezers	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.39	0.39	0.39	0.39	0.39	0.39	0.39	-0.1%
Lighting	2.78	2.81	2.85	2.89	2.91	2.94	2.96	2.99	3.00	3.02	3.04	3.06	3.07	3.07	1.1%
Clothes Washers	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	-1.0%
Dishwashers	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	1.0%
Color Televisions and Set-Top Boxes	1.22	1.22	1.23	1.24	1.25	1.27	1.30	1.33	1.35	1.38	1.41	1.44	1.47	1.49	1.8%
Personal Computers	0.47	0.49	0.51	0.52	0.54	0.56	0.57	0.59	0.60	0.61	0.62	0.63	0.63	0.63	3.9%
Furnace Fans	0.34	0.34	0.35	0.35	0.35	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.38	1.3%
Other Uses 7/	4.68	4.78	4.87	4.98	5.03	5.08	5.14	5.21	5.24	5.29	5.35	5.42	5.46	5.51	1.9%
Total	24.59	24.79	25.00	25.26	25.36	25.53	25.70	25.91	25.98	26.13	26.29	26.50	26.57	26.70	0.8%
Nonmarketed Renewables 8/															
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	0.02	0.02	0.02	6.8%
Solar Hot Water Heating	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	3.5%
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	0.00	0.00	11.1%
Total	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	4.0%

Table 4. Residential Sector Key Indicators and Consumption
(quadrillion Btu, unless otherwise noted)

- 1/ Does not include water heating portion of load.
- 2/ Includes small electric devices, heating elements, and motors not listed above.
- 3/ Includes such appliances as swimming pool heaters, outdoor grills, and outdoor lighting (natural gas).
- 4/ Includes such appliances as swimming pool and spa 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/ Represents primary energy displaced.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Source: 2004 and 2005 based on: Energy Information Administration (EIA), Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 5. Commercial Sector Key Indicators and Consumption
(quadrillion Btu, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Key Indicators													
Total Floorspace (billion square feet)													
Surviving	71.1	72.4	73.7	75.0	76.2	77.4	78.5	79.7	80.9	82.1	83.4	84.6	85.8
New Additions	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	2.0
Total	73.0	74.3	75.6	76.8	78.0	79.2	80.4	81.6	82.8	84.1	85.3	86.5	87.8
Energy Consumption Intensity (thousand Btu per square foot)													
Delivered Energy Consumption	115.1	113.9	110.3	110.7	112.0	112.4	112.6	113.3	113.9	114.5	114.6	114.8	114.8
Electricity Related Losses	127.0	126.8	125.7	125.9	126.9	127.5	127.8	127.9	128.1	128.2	128.6	128.6	128.8
Total Energy Consumption	242.1	240.8	236.0	236.7	238.9	239.9	240.4	241.3	242.0	242.7	243.2	243.4	243.6
Delivered Energy Consumption by Fuel													
Purchased Electricity													
Space Heating 1/	0.17	0.17	0.16	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18
Space Cooling 1/	0.46	0.55	0.54	0.49	0.49	0.50	0.50	0.51	0.51	0.51	0.51	0.52	0.52
Water Heating 1/	0.18	0.18	0.18	0.18	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.19
Ventilation	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.21	0.21
Cooking	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
Lighting	1.19	1.18	1.17	1.17	1.17	1.18	1.19	1.20	1.22	1.23	1.25	1.26	1.27
Refrigeration	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25
Office Equipment (PC)	0.14	0.18	0.22	0.25	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.36
Office Equipment (non-PC)	0.32	0.35	0.38	0.41	0.43	0.46	0.48	0.50	0.52	0.54	0.55	0.57	0.59
Other Uses 2/	1.28	1.25	1.25	1.32	1.39	1.44	1.48	1.53	1.58	1.63	1.68	1.72	1.77
Delivered Energy	4.19	4.32	4.37	4.45	4.59	4.68	4.77	4.87	4.98	5.09	5.19	5.28	5.38
Natural Gas													
Space Heating 1/	1.38	1.35	1.26	1.37	1.40	1.43	1.45	1.48	1.50	1.53	1.55	1.57	1.58
Space Cooling 1/	0.02	0.02	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/	0.59	0.57	0.55	0.55	0.55	0.56	0.56	0.58	0.59	0.61	0.62	0.64	0.65
Cooking	0.24	0.23	0.23	0.24	0.24	0.25	0.26	0.26	0.27	0.28	0.28	0.29	0.29
Other Uses 3/	1.00	0.97	0.94	0.94	0.98	1.00	1.02	1.05	1.07	1.09	1.10	1.12	1.13
Delivered Energy	3.23	3.15	3.01	3.11	3.20	3.26	3.31	3.39	3.46	3.53	3.58	3.64	3.68
Distillate Fuel Oil													
Space Heating 1/	0.20	0.20	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.21	0.22	0.22	0.22
Water Heating 1/	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07
Other Uses 4/	0.20	0.21	0.22	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.19
Delivered Energy	0.47	0.48	0.46	0.44	0.43	0.44	0.45	0.46	0.46	0.47	0.48	0.48	0.48
Marketed Renewables (biomass)													
Other Fuels 5/	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Other Fuels 5/	0.39	0.40	0.38	0.39	0.40	0.41	0.40	0.41	0.41	0.42	0.41	0.41	0.41
Delivered Energy Consumption by End Use													
Space Heating 1/	1.75	1.71	1.60	1.73	1.77	1.80	1.83	1.86	1.89	1.92	1.94	1.96	1.98
Space Cooling 1/	0.48	0.57	0.57	0.51	0.52	0.52	0.53	0.53	0.54	0.54	0.54	0.55	0.55
Water Heating 1/	0.84	0.82	0.79	0.79	0.79	0.80	0.80	0.82	0.84	0.86	0.87	0.89	0.90
Ventilation	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.21	0.21
Cooking	0.27	0.27	0.27	0.27	0.28	0.29	0.29	0.30	0.31	0.31	0.32	0.33	0.33
Lighting	1.19	1.18	1.17	1.17	1.17	1.18	1.19	1.20	1.22	1.23	1.25	1.26	1.27
Refrigeration	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25
Office Equipment (PC)	0.14	0.18	0.22	0.25	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.36

Table 5. Commercial Sector Key Indicators and Consumption
(quadrillion Btu, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Office Equipment (non-PC)	0.32	0.35	0.38	0.41	0.43	0.46	0.48	0.50	0.52	0.54	0.55	0.57	0.59
Other Uses 6/	2.98	2.95	2.91	2.95	3.07	3.14	3.21	3.29	3.36	3.44	3.50	3.57	3.63
Delivered Energy	8.40	8.46	8.34	8.51	8.74	8.90	9.05	9.25	9.43	9.62	9.78	9.93	10.08
Electricity Related Losses	9.27	9.42	9.51	9.68	9.90	10.10	10.27	10.44	10.61	10.78	10.97	11.13	11.31
Total Energy Consumption by End Use													
Space Heating 1/	2.12	2.08	1.95	2.11	2.14	2.17	2.20	2.24	2.27	2.30	2.32	2.34	2.36
Space Cooling 1/	1.50	1.77	1.74	1.57	1.58	1.60	1.61	1.62	1.62	1.62	1.63	1.64	1.65
Water Heating 1/	1.22	1.20	1.18	1.17	1.17	1.17	1.18	1.20	1.22	1.24	1.26	1.27	1.29
Ventilation	0.60	0.60	0.60	0.60	0.60	0.61	0.61	0.62	0.63	0.63	0.64	0.64	0.65
Cooking	0.36	0.35	0.35	0.36	0.36	0.37	0.37	0.38	0.39	0.39	0.40	0.40	0.41
Lighting	3.82	3.76	3.73	3.72	3.70	3.72	3.74	3.77	3.81	3.85	3.89	3.92	3.95
Refrigeration	0.74	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.76	0.77	0.78	0.78	0.79
Office Equipment (PC)	0.46	0.58	0.70	0.80	0.88	0.93	0.96	0.98	1.00	1.03	1.06	1.08	1.10
Office Equipment (non-PC)	1.03	1.12	1.21	1.29	1.37	1.44	1.50	1.56	1.62	1.67	1.73	1.78	1.83
Other Uses 6/	5.81	5.68	5.64	5.83	6.08	6.24	6.40	6.56	6.72	6.90	7.05	7.20	7.36
Total	17.67	17.88	17.84	18.19	18.64	19.00	19.33	19.69	20.04	20.40	20.75	21.06	21.38
Nonmarketed Renewable Fuels 7/													
Solar Thermal	0.02	0.02	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	0.00	0.00	0.00	0.00
Total	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

Table 5. Commercial Sector Key Indicators and Consumption
(quadrillion Btu, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Key Indicators															
Total Floorspace (billion square feet)															
Surviving	87.1	88.3	89.5	90.8	92.1	93.5	94.9	96.3	97.8	99.3	100.8	102.4	103.9	105.5	1.5%
New Additions	2.0	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4	2.5	2.5	1.1%
Total	89.0	90.3	91.6	92.9	94.3	95.7	97.1	98.6	100.1	101.7	103.2	104.8	106.4	108.0	1.5%
Energy Consumption Intensity (thousand Btu per square foot)															
Delivered Energy Consumption	114.7	114.6	114.7	114.7	114.8	114.7	114.7	114.6	114.7	114.8	114.8	114.9	115.0	115.1	0.0%
Electricity Related Losses	129.3	129.5	129.5	129.6	129.6	129.7	129.9	129.8	129.5	129.4	129.5	129.6	129.8	129.7	0.1%
Total Energy Consumption	243.9	244.1	244.2	244.3	244.4	244.5	244.7	244.4	244.2	244.1	244.4	244.5	244.7	244.8	0.1%
Delivered Energy Consumption by Fuel															
Purchased Electricity															
Space Heating 1/	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.4%
Space Cooling 1/	0.52	0.53	0.53	0.54	0.54	0.55	0.55	0.56	0.57	0.58	0.58	0.59	0.60	0.61	0.4%
Water Heating 1/	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.5%
Ventilation	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.24	0.24	0.24	0.25	1.1%
Cooking	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	-0.2%
Lighting	1.29	1.30	1.31	1.33	1.34	1.36	1.38	1.39	1.41	1.43	1.45	1.47	1.49	1.51	1.0%
Refrigeration	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.28	0.29	0.29	0.30	0.30	1.0%
Office Equipment (PC)	0.36	0.37	0.38	0.38	0.38	0.39	0.39	0.39	0.39	0.40	0.40	0.40	0.40	0.40	3.2%
Office Equipment (non-PC)	0.61	0.63	0.65	0.67	0.69	0.71	0.73	0.76	0.78	0.81	0.83	0.86	0.89	0.92	3.9%
Other Uses 2/	1.83	1.88	1.93	1.98	2.04	2.10	2.16	2.22	2.28	2.35	2.41	2.48	2.55	2.62	3.0%
Delivered Energy	5.48	5.57	5.67	5.78	5.89	6.00	6.12	6.24	6.36	6.49	6.62	6.76	6.89	7.03	2.0%
Natural Gas															
Space Heating 1/	1.59	1.61	1.62	1.64	1.66	1.67	1.68	1.69	1.71	1.72	1.74	1.75	1.77	1.78	1.1%
Space Cooling 1/	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	2.3%
Water Heating 1/	0.66	0.67	0.68	0.69	0.71	0.72	0.73	0.74	0.75	0.77	0.78	0.79	0.81	0.82	1.5%
Cooking	0.30	0.30	0.31	0.31	0.32	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.36	0.36	1.8%
Other Uses 3/	1.14	1.16	1.17	1.19	1.20	1.22	1.23	1.24	1.26	1.28	1.30	1.32	1.33	1.36	1.3%
Delivered Energy	3.72	3.76	3.81	3.86	3.91	3.96	4.00	4.05	4.10	4.15	4.21	4.26	4.31	4.36	1.3%
Distillate Fuel Oil															
Space Heating 1/	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.6%
Water Heating 1/	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.0%
Other Uses 4/	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	-0.4%
Delivered Energy	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.49	0.49	0.49	0.49	0.49	0.1%
Marketed Renewables (biomass)															
Marketed Renewables (biomass)	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.0%
Other Fuels 5/	0.41	0.41	0.41	0.41	0.41	0.41	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.2%
Delivered Energy Consumption by End Use															
Space Heating 1/	1.99	2.01	2.02	2.04	2.06	2.07	2.09	2.10	2.12	2.13	2.15	2.17	2.18	2.20	1.0%
Space Cooling 1/	0.55	0.56	0.56	0.57	0.58	0.58	0.59	0.60	0.61	0.61	0.62	0.63	0.64	0.65	0.5%
Water Heating 1/	0.91	0.92	0.93	0.95	0.96	0.98	0.99	1.00	1.02	1.03	1.05	1.06	1.07	1.09	1.2%
Ventilation	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.24	0.24	0.24	0.25	1.1%
Cooking	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.38	0.39	0.39	0.40	0.40	1.6%
Lighting	1.29	1.30	1.31	1.33	1.34	1.36	1.38	1.39	1.41	1.43	1.45	1.47	1.49	1.51	1.0%
Refrigeration	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.28	0.29	0.29	0.30	0.30	1.0%
Office Equipment (PC)	0.36	0.37	0.38	0.38	0.38	0.39	0.39	0.39	0.39	0.40	0.40	0.40	0.40	0.40	3.2%

Table 5. Commercial Sector Key Indicators and Consumption
(quadrillion Btu, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005- 2030
Office Equipment (non-PC)	0.61	0.63	0.65	0.67	0.69	0.71	0.73	0.76	0.78	0.81	0.83	0.86	0.89	0.92	3.9%
Other Uses 6/	3.70	3.76	3.83	3.90	3.97	4.04	4.12	4.19	4.28	4.36	4.44	4.53	4.62	4.71	1.9%
Delivered Energy	10.21	10.35	10.50	10.66	10.82	10.98	11.14	11.30	11.48	11.67	11.86	12.04	12.24	12.43	1.6%
Electricity Related Losses	11.51	11.69	11.86	12.03	12.22	12.41	12.62	12.80	12.97	13.15	13.37	13.59	13.81	14.01	1.6%
Total Energy Consumption by End Use															
Space Heating 1/	2.37	2.38	2.40	2.41	2.43	2.45	2.46	2.47	2.49	2.51	2.53	2.54	2.56	2.57	0.9%
Space Cooling 1/	1.66	1.67	1.68	1.69	1.70	1.72	1.73	1.75	1.76	1.78	1.80	1.82	1.84	1.86	0.2%
Water Heating 1/	1.30	1.31	1.33	1.34	1.35	1.37	1.38	1.40	1.41	1.43	1.44	1.46	1.47	1.49	0.9%
Ventilation	0.65	0.66	0.66	0.67	0.67	0.68	0.69	0.69	0.70	0.70	0.71	0.72	0.73	0.74	0.8%
Cooking	0.41	0.42	0.42	0.43	0.43	0.44	0.44	0.44	0.45	0.45	0.46	0.46	0.47	0.47	1.2%
Lighting	3.99	4.02	4.05	4.09	4.13	4.17	4.21	4.25	4.29	4.33	4.38	4.43	4.48	4.53	0.7%
Refrigeration	0.79	0.80	0.81	0.81	0.82	0.83	0.84	0.85	0.85	0.86	0.87	0.88	0.89	0.90	0.8%
Office Equipment (PC)	1.13	1.15	1.17	1.18	1.18	1.19	1.19	1.20	1.20	1.20	1.20	1.20	1.21	1.21	3.0%
Office Equipment (non-PC)	1.88	1.94	1.99	2.05	2.11	2.17	2.24	2.30	2.37	2.44	2.51	2.59	2.67	2.74	3.6%
Other Uses 6/	7.53	7.70	7.86	8.03	8.20	8.38	8.57	8.75	8.93	9.12	9.32	9.52	9.73	9.93	2.3%
Total	21.72	22.04	22.36	22.69	23.04	23.39	23.76	24.10	24.45	24.82	25.23	25.63	26.04	26.44	1.6%
Nonmarketed Renewable Fuels 7/															
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	0.03	0.03	0.6%
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	11.3%
Total	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	2.1%

Table 5. Commercial Sector Key Indicators and Consumption
(quadrillion Btu, 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 generators, combined heat and power in commercial buildings, and manufacturing performed in commercial buildings.

4/ Includes miscellaneous uses, such as cooking, emergency 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 generators, combined heat and power in commercial buildings, manufacturing performed in commercial buildings, and cooking (distillate fuel oil), 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.

Btu = British thermal unit.

PC = Personal computer.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Source: 2004 and 2005 based on: Energy Information Administration (EIA), Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 6. Industrial Sector Key Indicators and Consumption

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Value of Shipments (billion 2000 dollars)													
Manufacturing	4157	4225	4342	4441	4518	4607	4702	4828	4957	5083	5201	5332	5467
Nonmanufacturing	1494	1538	1557	1547	1558	1570	1596	1612	1629	1652	1674	1701	1734
Total	5651	5763	5899	5988	6076	6178	6298	6441	6586	6735	6876	7033	7200
Energy Prices (2005 dollars per million Btu)													
Liquefied Petroleum Gases	11.18	16.96	18.96	17.51	17.39	16.75	16.42	15.94	15.77	15.62	15.63	15.57	15.68
Motor Gasoline	14.98	16.63	19.00	20.88	19.69	18.64	17.83	17.16	16.79	16.50	16.02	16.00	16.04
Distillate Fuel Oil	10.99	13.08	15.14	15.44	14.29	13.42	12.95	12.48	11.88	11.64	11.35	11.40	11.63
Residual Fuel Oil	5.77	7.77	9.34	9.88	10.08	9.79	9.50	8.78	8.47	8.04	7.98	8.21	8.41
Petrochemical Feedstocks	13.75	8.30	7.35	10.22	8.24	9.28	8.67	8.05	7.81	7.95	7.99	7.67	7.74
Asphalt and Road Oil	10.05	6.06	5.37	9.19	9.45	8.80	8.24	7.78	7.41	7.24	7.10	7.14	7.16
Natural Gas Heat and Power	5.42	7.17	6.49	6.45	6.33	5.79	5.52	5.09	4.95	4.76	4.78	4.73	4.83
Natural Gas Feedstocks	7.16	8.81	8.10	8.03	7.98	7.43	7.13	6.71	6.56	6.37	6.39	6.34	6.43
Metallurgical Coal	2.31	3.06	3.25	3.30	3.29	3.19	3.09	2.99	2.89	2.79	2.74	2.72	2.71
Other Industrial Coal	1.80	2.15	2.20	2.24	2.25	2.24	2.26	2.25	2.23	2.21	2.21	2.20	2.19
Coal to Liquids	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.89	0.88	0.88	0.89	0.89
Electricity	15.88	16.69	18.26	18.77	18.85	18.52	18.01	17.25	16.79	16.59	16.47	16.46	16.61
Energy Consumption 1/ (quadrillion Btu)													
Industrial Consumption Excluding Refining													
Liquefied Petroleum Gases Heat and Power	0.13	0.13	0.12	0.11	0.10	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Liquefied Petroleum Gases Feedstocks	2.13	1.98	2.06	2.18	2.21	2.19	2.17	2.17	2.17	2.17	2.17	2.16	2.17
Motor Gasoline	0.32	0.32	0.32	0.32	0.31	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.33
Distillate Fuel Oil	1.21	1.22	1.30	1.24	1.21	1.19	1.18	1.18	1.18	1.19	1.19	1.19	1.20
Residual Fuel Oil	0.20	0.22	0.21	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Petrochemical Feedstocks	1.54	1.38	1.32	1.42	1.47	1.47	1.48	1.49	1.49	1.49	1.49	1.49	1.49
Petroleum Coke	0.36	0.33	0.29	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
Asphalt and Road Oil	1.27	1.31	1.31	1.27	1.26	1.24	1.24	1.24	1.23	1.23	1.23	1.24	1.25
Miscellaneous Petroleum 2/ Petroleum Subtotal	0.55 7.72	0.59 7.48	0.53 7.46	0.50 7.49	0.48 7.50	0.46 7.41	0.45 7.38	0.43 7.35	0.42 7.34	0.42 7.34	0.41 7.35	0.40 7.34	0.40 7.36
Natural Gas Heat and Power	5.80	5.30	5.39	5.57	5.67	5.75	5.83	5.88	5.91	5.95	5.97	6.00	6.05
Natural Gas Feedstocks	0.60	0.57	0.58	0.59	0.59	0.58	0.58	0.58	0.58	0.58	0.58	0.57	0.57
Lease and Plant Fuel 3/ Natural Gas Subtotal	1.13 7.54	1.10 6.97	1.12 7.09	1.10 7.26	1.11 7.37	1.11 7.44	1.10 7.51	1.09 7.55	1.09 7.59	1.08 7.61	1.10 7.65	1.10 7.68	1.11 7.72
Metallurgical Coal and Coke 4/ Other Industrial Coal	0.79 1.30	0.66 1.23	0.71 1.22	0.65 1.24	0.64 1.25	0.63 1.26	0.63 1.26	0.62 1.25	0.61 1.24	0.61 1.24	0.61 1.24	0.60 1.23	0.60 1.23
Coal Subtotal	2.08	1.89	1.93	1.88	1.89	1.89	1.88	1.87	1.86	1.85	1.84	1.84	1.83
Renewables 5/ Purchased Electricity	1.70 3.34	1.44 3.35	1.57 3.35	1.58 3.39	1.58 3.41	1.58 3.42	1.60 3.44	1.62 3.47	1.64 3.50	1.67 3.52	1.67 3.54	1.69 3.56	1.71 3.59
Delivered Energy	22.38	21.14	21.40	21.60	21.76	21.73	21.81	21.86	21.93	21.99	22.07	22.13	22.24
Electricity Related Losses	7.39	7.31	7.29	7.37	7.37	7.38	7.41	7.43	7.45	7.46	7.50	7.51	7.54
Total	29.77	28.45	28.69	28.97	29.13	29.11	29.22	29.29	29.38	29.45	29.57	29.64	29.78
Refining Consumption 6/													
Liquefied Petroleum Gases Heat and Power	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Distillate Fuel Oil	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
Residual Fuel Oil	0.01	0.01	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Petroleum Coke	0.57	0.56	0.58	0.60	0.59	0.60	0.60	0.63	0.65	0.66	0.66	0.67	0.69
Still Gas	1.74	1.62	1.68	1.46	1.52	1.56	1.44	1.57	1.55	1.60	1.50	1.62	1.63
Miscellaneous Petroleum 2/ Petroleum Subtotal	0.03 2.37	0.03 2.25	0.03 2.33	0.02 2.11	0.02 2.16	0.02 2.20	0.02 2.09	0.02 2.26	0.02 2.25	0.02 2.31	0.02 2.22	0.02 2.35	0.02 2.37
Natural Gas Heat and Power	1.04	0.97	0.99	1.20	1.16	1.24	1.45	1.29	1.34	1.32	1.45	1.32	1.33
Natural-Gas-to-Liquids Heat and Power	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
Natural Gas Subtotal	1.04	0.97	0.99	1.20	1.16	1.24	1.45	1.29	1.34	1.32	1.45	1.32	1.33
Other Industrial Coal	0.10	0.12	0.15	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11

Table 6. Industrial Sector Key Indicators and Consumption

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Coal-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.09	0.09	0.12	0.12	0.12
Coal Subtotal	0.10	0.12	0.15	0.11	0.11	0.11	0.11	0.19	0.20	0.20	0.24	0.24	0.24
Biofuels Heat and Coproducts	0.21	0.24	0.32	0.35	0.45	0.61	0.69	0.71	0.72	0.73	0.73	0.74	0.74
Purchased Electricity	0.13	0.13	0.14	0.17	0.17	0.18	0.19	0.18	0.19	0.19	0.19	0.20	0.20
Delivered Energy	3.86	3.72	3.93	3.95	4.06	4.35	4.52	4.63	4.71	4.75	4.83	4.83	4.88
Electricity Related Losses	0.29	0.29	0.30	0.36	0.37	0.39	0.40	0.40	0.40	0.41	0.41	0.42	0.42
Total	4.15	4.01	4.22	4.31	4.42	4.73	4.92	5.03	5.11	5.17	5.24	5.25	5.30
Total Industrial Sector Consumption													
Liquefied Petroleum Gases Heat and Power	0.14	0.15	0.13	0.11	0.10	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Liquefied Petroleum Gases Feedstocks	2.13	1.98	2.06	2.18	2.21	2.19	2.17	2.17	2.17	2.17	2.17	2.16	2.17
Motor Gasoline	0.32	0.32	0.32	0.32	0.31	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.33
Distillate Fuel Oil	1.21	1.23	1.30	1.24	1.21	1.19	1.18	1.18	1.18	1.19	1.19	1.19	1.20
Residual Fuel Oil	0.22	0.23	0.22	0.18	0.18	0.18	0.18	0.17	0.18	0.18	0.18	0.18	0.18
Petrochemical Feedstocks	1.54	1.38	1.32	1.42	1.47	1.47	1.48	1.49	1.49	1.49	1.49	1.49	1.49
Petroleum Coke	0.93	0.89	0.87	0.90	0.89	0.91	0.91	0.94	0.96	0.97	0.97	0.98	1.00
Asphalt and Road Oil	1.27	1.31	1.31	1.27	1.26	1.24	1.24	1.24	1.23	1.23	1.23	1.24	1.25
Still Gas	1.74	1.62	1.68	1.46	1.52	1.56	1.44	1.57	1.55	1.60	1.50	1.62	1.63
Miscellaneous Petroleum 2/	0.59	0.62	0.57	0.51	0.50	0.47	0.47	0.45	0.44	0.44	0.44	0.42	0.42
Petroleum Subtotal	10.09	9.73	9.79	9.60	9.66	9.61	9.47	9.61	9.59	9.65	9.57	9.68	9.73
Natural Gas Heat and Power	6.85	6.27	6.38	6.77	6.84	6.99	7.28	7.17	7.25	7.26	7.42	7.32	7.37
Natural-Gas-to-Liquids Heat and Power	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
Natural Gas Feedstocks	0.60	0.57	0.58	0.59	0.59	0.58	0.58	0.58	0.58	0.58	0.58	0.57	0.57
Lease and Plant Fuel 3/	1.13	1.10	1.12	1.10	1.11	1.11	1.10	1.09	1.09	1.08	1.10	1.10	1.11
Natural Gas Subtotal	8.58	7.94	8.08	8.46	8.53	8.67	8.95	8.84	8.93	8.93	9.10	9.00	9.05
Metallurgical Coal and Coke 4/	0.79	0.66	0.71	0.65	0.64	0.63	0.63	0.62	0.61	0.61	0.61	0.60	0.60
Other Industrial Coal	1.40	1.35	1.37	1.35	1.37	1.37	1.37	1.36	1.36	1.35	1.35	1.35	1.35
Coal-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.09	0.09	0.12	0.12	0.12
Coal Subtotal	2.18	2.01	2.08	1.99	2.01	2.00	2.00	2.06	2.06	2.05	2.08	2.07	2.07
Biofuels Heat and Coproducts	0.21	0.24	0.32	0.35	0.45	0.61	0.69	0.71	0.72	0.73	0.73	0.74	0.74
Renewables 5/	1.70	1.44	1.57	1.58	1.58	1.58	1.60	1.62	1.64	1.67	1.69	1.71	1.74
Purchased Electricity	3.48	3.48	3.48	3.56	3.58	3.60	3.63	3.65	3.69	3.72	3.74	3.76	3.79
Delivered Energy	26.24	24.85	25.33	25.55	25.82	26.08	26.33	26.49	26.64	26.74	26.90	26.97	27.12
Electricity Related Losses	7.68	7.60	7.58	7.73	7.74	7.76	7.81	7.82	7.86	7.88	7.91	7.93	7.96
Total	33.92	32.45	32.91	33.28	33.55	33.84	34.14	34.32	34.49	34.62	34.81	34.89	35.08
Energy Consumption per dollar of Shipment 1/ (thousand Btu per 2000 dollar)													
Liquefied Petroleum Gases Heat and Power	0.02	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Liquefied Petroleum Gases Feedstocks	0.38	0.34	0.35	0.36	0.36	0.35	0.34	0.34	0.33	0.32	0.31	0.31	0.30
Motor Gasoline	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Distillate Fuel Oil	0.21	0.21	0.22	0.21	0.20	0.19	0.19	0.18	0.18	0.18	0.17	0.17	0.17
Residual Fuel Oil	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02
Petrochemical Feedstocks	0.27	0.24	0.22	0.24	0.24	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.21
Petroleum Coke	0.17	0.15	0.15	0.15	0.15	0.15	0.14	0.15	0.15	0.14	0.14	0.14	0.14
Asphalt and Road Oil	0.23	0.23	0.22	0.21	0.21	0.20	0.20	0.19	0.19	0.18	0.18	0.18	0.17
Still Gas	0.31	0.28	0.29	0.24	0.25	0.25	0.23	0.24	0.24	0.24	0.22	0.23	0.23
Miscellaneous Petroleum 2/	0.10	0.11	0.10	0.09	0.08	0.08	0.07	0.07	0.07	0.07	0.06	0.06	0.06
Petroleum Subtotal	1.79	1.69	1.66	1.60	1.59	1.56	1.50	1.49	1.46	1.43	1.39	1.38	1.35
Natural Gas Heat and Power	1.21	1.09	1.08	1.13	1.13	1.13	1.16	1.11	1.10	1.08	1.08	1.04	1.02
Natural-Gas-to-Liquids Heat and Power	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
Natural Gas Feedstocks	0.11	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08
Lease and Plant Fuel 3/	0.20	0.19	0.19	0.18	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.16	0.15
Natural Gas Subtotal	1.52	1.38	1.37	1.41	1.40	1.40	1.42	1.37	1.36	1.33	1.32	1.28	1.26
Metallurgical Coal and Coke 4/	0.14	0.11	0.12	0.11	0.11	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.08
Other Industrial Coal	0.25	0.23	0.23	0.23	0.23	0.22	0.22	0.21	0.21	0.20	0.20	0.19	0.19
Coal-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02

Table 6. Industrial Sector Key Indicators and Consumption

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Coal Subtotal	0.39	0.35	0.35	0.33	0.33	0.32	0.32	0.32	0.31	0.30	0.30	0.29	0.29
Biofuels Heat and Coproducts	0.04	0.04	0.05	0.06	0.07	0.10	0.11	0.11	0.11	0.11	0.11	0.10	0.10
Renewables 5/	0.30	0.25	0.27	0.26	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.24	0.24
Purchased Electricity	0.61	0.60	0.59	0.59	0.59	0.58	0.58	0.57	0.56	0.55	0.54	0.54	0.53
Delivered Energy	4.64	4.31	4.29	4.27	4.25	4.22	4.18	4.11	4.04	3.97	3.91	3.83	3.77
Electricity Related Losses	1.36	1.32	1.29	1.29	1.27	1.26	1.24	1.21	1.19	1.17	1.15	1.13	1.11
Total	6.00	5.63	5.58	5.56	5.52	5.48	5.42	5.33	5.24	5.14	5.06	4.96	4.87
Total Industrial Combined Heat and Power													
Capacity (gigawatts)	26.31	25.53	25.96	27.71	28.26	28.73	29.28	31.14	31.86	32.48	33.57	34.19	34.83
Generation (billion kilowatthours)	153.21	143.13	143.46	158.21	162.41	165.92	169.93	184.36	189.55	194.06	202.23	206.73	211.35

Table 6. Industrial Sector Key Indicators and Consumption

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Value of Shipments															
(billion 2000 dollars)															
Manufacturing	5571	5678	5801	5933	6067	6211	6340	6481	6645	6814	6984	7149	7308	7478	2.3%
Nonmanufacturing	1760	1788	1817	1846	1867	1883	1896	1915	1940	1965	1984	1990	2003	2023	1.1%
Total	7331	7466	7617	7779	7935	8094	8236	8395	8585	8779	8968	9139	9312	9502	2.0%
Energy Prices (2005 dollars per million Btu)															
Liquefied Petroleum Gases	15.87	15.87	15.86	15.91	15.88	15.99	16.11	16.25	16.22	16.23	16.32	16.42	16.51	16.55	-0.1%
Motor Gasoline	16.17	16.25	16.60	16.56	16.68	16.97	16.85	17.03	17.25	17.07	17.22	17.45	17.46	17.68	0.2%
Distillate Fuel Oil	11.63	11.74	12.06	12.04	12.14	12.42	12.17	12.36	12.62	12.58	12.79	13.07	13.06	13.25	0.1%
Residual Fuel Oil	8.56	8.61	8.81	8.91	9.07	9.21	9.15	9.29	9.26	9.38	9.50	9.50	9.61	9.58	0.8%
Petrochemical Feedstocks	7.77	7.85	7.92	8.44	8.65	8.75	8.69	8.72	8.40	8.69	8.95	9.09	9.07	9.13	0.4%
Asphalt and Road Oil	7.24	7.22	7.29	7.40	7.48	7.60	7.60	7.75	7.82	7.94	8.08	8.14	8.22	8.28	1.3%
Natural Gas Heat and Power	5.02	4.99	4.95	5.04	5.02	5.13	5.26	5.38	5.38	5.40	5.48	5.61	5.70	5.72	-0.9%
Natural Gas Feedstocks	6.62	6.56	6.51	6.59	6.56	6.68	6.80	6.92	6.90	6.93	7.01	7.12	7.20	7.24	-0.8%
Metallurgical Coal	2.71	2.70	2.69	2.71	2.72	2.72	2.71	2.69	2.70	2.70	2.72	2.73	2.74	2.75	-0.4%
Other Industrial Coal	2.19	2.18	2.18	2.18	2.20	2.21	2.21	2.22	2.23	2.24	2.25	2.27	2.27	2.29	0.2%
Coal to Liquids	0.90	0.91	0.95	0.97	1.01	1.03	1.03	1.12	1.23	1.27	1.28	1.33	1.33	1.33	N/A
Electricity	16.85	17.02	17.00	17.07	17.13	17.14	17.21	17.33	17.35	17.31	17.30	17.33	17.43	17.43	0.2%
Energy Consumption 1/ (quadrillion Btu)															
Industrial Consumption Excluding Refining															
Liquefied Petroleum Gases Heat and Power	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	-1.8%
Liquefied Petroleum Gases Feedstocks	2.16	2.16	2.16	2.18	2.18	2.19	2.20	2.20	2.21	2.22	2.24	2.25	2.27	2.29	0.6%
Motor Gasoline	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.35	0.35	0.35	0.35	0.35	0.36	0.4%
Distillate Fuel Oil	1.20	1.21	1.21	1.22	1.22	1.22	1.22	1.23	1.23	1.24	1.25	1.25	1.26	1.26	0.1%
Residual Fuel Oil	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	-1.6%
Petrochemical Feedstocks	1.49	1.48	1.49	1.50	1.50	1.51	1.51	1.52	1.52	1.53	1.54	1.55	1.56	1.57	0.5%
Petroleum Coke	0.31	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.32	0.32	0.33	0.33	0.33	0.34	0.1%
Asphalt and Road Oil	1.25	1.26	1.27	1.29	1.29	1.30	1.31	1.32	1.33	1.35	1.36	1.36	1.36	1.37	0.2%
Miscellaneous Petroleum 2/	0.40	0.38	0.38	0.38	0.38	0.38	0.39	0.38	0.38	0.38	0.38	0.38	0.39	0.38	-1.7%
Petroleum Subtotal	7.37	7.35	7.38	7.43	7.44	7.47	7.51	7.54	7.58	7.62	7.67	7.71	7.75	7.79	0.2%
Natural Gas Heat and Power	6.05	6.09	6.16	6.22	6.31	6.38	6.43	6.49	6.57	6.66	6.74	6.81	6.89	6.97	1.1%
Natural Gas Feedstocks	0.57	0.56	0.56	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.58	0.0%
Lease and Plant Fuel 3/	1.11	1.15	1.20	1.21	1.21	1.21	1.20	1.19	1.17	1.16	1.16	1.16	1.16	1.15	0.2%
Natural Gas Subtotal	7.73	7.81	7.92	7.99	8.09	8.15	8.20	8.26	8.31	8.39	8.47	8.54	8.62	8.70	0.9%
Metallurgical Coal and Coke 4/	0.59	0.59	0.59	0.59	0.59	0.58	0.58	0.58	0.59	0.59	0.59	0.59	0.59	0.59	-0.5%
Other Industrial Coal	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.24	1.24	1.24	1.25	1.25	1.25	0.1%
Coal Subtotal	1.82	1.81	1.81	1.81	1.82	1.82	1.82	1.82	1.83	1.83	1.83	1.84	1.84	1.84	-0.1%
Renewables 5/	1.76	1.77	1.79	1.81	1.83	1.86	1.87	1.90	1.93	1.95	1.98	2.00	2.02	2.05	1.4%
Purchased Electricity	3.59	3.59	3.61	3.63	3.64	3.66	3.68	3.70	3.73	3.76	3.79	3.82	3.84	3.87	0.6%
Delivered Energy	22.26	22.34	22.51	22.67	22.82	22.96	23.08	23.20	23.36	23.55	23.74	23.90	24.07	24.24	0.5%
Electricity Related Losses	7.55	7.53	7.54	7.56	7.56	7.57	7.59	7.59	7.60	7.62	7.65	7.67	7.69	7.70	0.2%
Total	29.81	29.87	30.06	30.23	30.38	30.53	30.67	30.79	30.96	31.17	31.39	31.57	31.75	31.94	0.5%
Refining Consumption 6/															
Liquefied Petroleum Gases Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.02	0.03	2.5%
Distillate Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Residual Fuel Oil	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	4.0%
Petroleum Coke	0.69	0.71	0.74	0.77	0.79	0.81	0.81	0.83	0.84	0.84	0.85	0.85	0.86	0.87	1.8%
Still Gas	1.53	1.61	1.65	1.56	1.65	1.71	1.68	1.68	1.57	1.73	1.75	1.65	1.64	1.78	0.4%
Miscellaneous Petroleum 2/	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	1.0%
Petroleum Subtotal	2.29	2.38	2.46	2.39	2.50	2.58	2.56	2.58	2.49	2.64	2.67	2.58	2.60	2.76	0.8%
Natural Gas Heat and Power	1.45	1.37	1.34	1.47	1.38	1.33	1.36	1.37	1.54	1.36	1.36	1.51	1.53	1.36	1.4%
Natural-Gas-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Natural Gas Subtotal	1.45	1.37	1.34	1.47	1.38	1.33	1.36	1.37	1.54	1.36	1.36	1.51	1.53	1.36	1.4%
Other Industrial Coal	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.0%

Table 6. Industrial Sector Key Indicators and Consumption

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Coal-to-Liquids Heat and Power	0.14	0.17	0.19	0.21	0.23	0.33	0.35	0.48	0.67	0.81	0.81	0.88	0.90	0.93	N/A
Coal Subtotal	0.25	0.28	0.30	0.32	0.34	0.45	0.47	0.59	0.78	0.92	0.92	0.99	1.02	1.05	9.2%
Biofuels Heat and Coproducts	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88	5.2%
Purchased Electricity	0.20	0.20	0.21	0.20	0.21	0.21	0.21	0.21	0.22	0.21	0.22	0.22	0.22	0.22	2.1%
Delivered Energy	4.94	4.99	5.07	5.17	5.22	5.37	5.40	5.57	5.86	5.97	6.02	6.16	6.23	6.26	2.1%
Electricity Related Losses	0.42	0.42	0.43	0.42	0.43	0.43	0.43	0.43	0.44	0.43	0.44	0.44	0.44	0.45	1.8%
Total	5.36	5.42	5.50	5.59	5.65	5.81	5.83	6.01	6.30	6.40	6.46	6.60	6.67	6.71	2.1%
Total Industrial Sector Consumption															
Liquefied Petroleum Gases Heat and Power	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.10	0.08	0.09	0.09	0.11	0.11	-1.1%
Liquefied Petroleum Gases Feedstocks	2.16	2.16	2.16	2.18	2.18	2.19	2.20	2.20	2.21	2.22	2.24	2.25	2.27	2.29	0.6%
Motor Gasoline	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.35	0.35	0.35	0.35	0.35	0.36	0.4%
Distillate Fuel Oil	1.20	1.21	1.21	1.22	1.22	1.22	1.22	1.23	1.23	1.24	1.25	1.25	1.25	1.26	0.1%
Residual Fuel Oil	0.18	0.18	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	-0.9%
Petrochemical Feedstocks	1.49	1.48	1.49	1.50	1.50	1.51	1.51	1.52	1.52	1.53	1.54	1.55	1.56	1.57	0.5%
Petroleum Coke	1.00	1.02	1.05	1.08	1.10	1.12	1.13	1.15	1.16	1.16	1.18	1.18	1.19	1.21	1.2%
Asphalt and Road Oil	1.25	1.26	1.27	1.29	1.29	1.30	1.31	1.32	1.33	1.35	1.36	1.36	1.36	1.37	0.2%
Still Gas	1.53	1.61	1.65	1.56	1.65	1.71	1.68	1.68	1.57	1.73	1.75	1.65	1.64	1.78	0.4%
Miscellaneous Petroleum 2/	0.42	0.41	0.41	0.41	0.40	0.41	0.42	0.42	0.42	0.41	0.41	0.42	0.42	0.42	-1.5%
Petroleum Subtotal	9.65	9.74	9.83	9.82	9.94	10.05	10.07	10.12	10.07	10.26	10.34	10.29	10.35	10.55	0.3%
Natural Gas Heat and Power	7.50	7.46	7.50	7.69	7.69	7.71	7.79	7.86	8.11	8.02	8.10	8.32	8.41	8.33	1.1%
Natural-Gas-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Natural Gas Feedstocks	0.57	0.56	0.56	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.58	0.0%
Lease and Plant Fuel 3/	1.11	1.15	1.20	1.21	1.21	1.21	1.20	1.19	1.17	1.16	1.16	1.16	1.16	1.15	0.2%
Natural Gas Subtotal	9.18	9.18	9.26	9.46	9.47	9.48	9.56	9.62	9.85	9.75	9.83	10.04	10.14	10.05	0.9%
Metallurgical Coal and Coke 4/	0.59	0.59	0.59	0.59	0.59	0.58	0.58	0.58	0.59	0.59	0.59	0.59	0.59	0.59	-0.5%
Other Industrial Coal	1.35	1.34	1.34	1.34	1.34	1.35	1.35	1.35	1.35	1.35	1.36	1.36	1.36	1.36	0.0%
Coal-to-Liquids Heat and Power	0.14	0.17	0.19	0.21	0.23	0.33	0.35	0.48	0.67	0.81	0.81	0.88	0.90	0.93	N/A
Coal Subtotal	2.08	2.10	2.11	2.14	2.16	2.27	2.28	2.41	2.61	2.75	2.75	2.83	2.85	2.89	1.5%
Biofuels Heat and Coproducts	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88	5.2%
Renewables 5/	1.76	1.77	1.79	1.81	1.83	1.86	1.87	1.90	1.93	1.95	1.98	2.00	2.02	2.05	1.4%
Purchased Electricity	3.79	3.79	3.82	3.83	3.85	3.87	3.89	3.91	3.94	3.97	4.01	4.04	4.06	4.09	0.6%
Delivered Energy	27.20	27.33	27.58	27.84	28.04	28.33	28.48	28.78	29.23	29.52	29.75	30.05	30.29	30.51	0.8%
Electricity Related Losses	7.97	7.96	7.98	7.98	7.99	8.01	8.01	8.02	8.03	8.05	8.09	8.11	8.13	8.15	0.3%
Total	35.17	35.29	35.56	35.82	36.03	36.34	36.50	36.80	37.26	37.57	37.84	38.17	38.42	38.66	0.7%
Energy Consumption per dollar of Shipment 1/ (thousand Btu per 2000 dollar)															
Liquefied Petroleum Gases Heat and Power	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-3.0%
Liquefied Petroleum Gases Feedstocks	0.30	0.29	0.28	0.28	0.28	0.27	0.27	0.26	0.26	0.25	0.25	0.25	0.24	0.24	-1.4%
Motor Gasoline	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	-1.5%
Distillate Fuel Oil	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.13	0.13	-1.9%
Residual Fuel Oil	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	-2.9%
Petrochemical Feedstocks	0.20	0.20	0.20	0.19	0.19	0.19	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	-1.5%
Petroleum Coke	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	-0.8%
Asphalt and Road Oil	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.14	-1.8%
Still Gas	0.21	0.22	0.22	0.20	0.21	0.21	0.20	0.20	0.18	0.20	0.20	0.18	0.18	0.19	-1.6%
Miscellaneous Petroleum 2/	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	-3.5%
Petroleum Subtotal	1.32	1.30	1.29	1.26	1.25	1.24	1.22	1.21	1.17	1.17	1.15	1.13	1.11	1.11	-1.7%
Natural Gas Heat and Power	1.02	1.00	0.98	0.99	0.97	0.95	0.95	0.94	0.94	0.91	0.90	0.91	0.90	0.88	-0.9%
Natural-Gas-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Natural Gas Feedstocks	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	-2.0%
Lease and Plant Fuel 3/	0.15	0.15	0.16	0.16	0.15	0.15	0.15	0.14	0.14	0.13	0.13	0.13	0.12	0.12	-1.8%
Natural Gas Subtotal	1.25	1.23	1.22	1.22	1.19	1.17	1.16	1.15	1.15	1.11	1.10	1.10	1.09	1.06	-1.1%
Metallurgical Coal and Coke 4/	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	-2.4%
Other Industrial Coal	0.18	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.14	-1.9%
Coal-to-Liquids Heat and Power	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.06	0.08	0.09	0.09	0.10	0.10	0.10	N/A

Table 6. Industrial Sector Key Indicators and Consumption

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Coal Subtotal	0.28	0.28	0.28	0.27	0.27	0.28	0.28	0.29	0.30	0.31	0.31	0.31	0.31	0.30	-0.5%
Biofuels Heat and Coproducts	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	3.1%
Renewables 5/	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22	0.22	-0.6%
Purchased Electricity	0.52	0.51	0.50	0.49	0.49	0.48	0.47	0.47	0.46	0.45	0.45	0.44	0.44	0.43	-1.4%
Delivered Energy	3.71	3.66	3.62	3.58	3.53	3.50	3.46	3.43	3.40	3.36	3.32	3.29	3.25	3.21	-1.2%
Electricity Related Losses	1.09	1.07	1.05	1.03	1.01	0.99	0.97	0.96	0.94	0.92	0.90	0.89	0.87	0.86	-1.7%
Total	4.80	4.73	4.67	4.60	4.54	4.49	4.43	4.38	4.34	4.28	4.22	4.18	4.13	4.07	-1.3%
Total Industrial Combined Heat and Power															
Capacity (gigawatts)	35.86	36.85	37.83	39.05	40.11	42.20	43.39	45.71	48.82	51.52	52.34	54.01	55.34	56.54	3.2%
Generation (billion kilowatthours)	218.39	226.58	233.83	243.02	250.92	266.92	275.81	293.59	317.63	338.36	344.30	356.99	366.94	375.86	3.9%

Table 6. Industrial Sector Key Indicators and Consumption

1/ 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 lubricants and miscellaneous petroleum products.

3/ Represents natural gas used in well, field, and lease operations, and in natural gas processing plant machinery.

4/ Includes net coal coke imports.

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

6/ Includes energy consumed by petroleum, coal to liquids, and natural gas to liquids, and biofuel refiners. Excludes hydrogen production at refiners which is included

in Industrial Consumption.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005 prices for motor gasoline and distillate fuel oil are based on: Energy Information Administration (EIA), Petroleum Marketing Annual 2005, DOE/EIA-0487(2005)

(Washington, DC, August 2006). 2004 and 2005 coal prices are based on: EIA, Quarterly Coal Report, October-December 2005, DOE/EIA-0121(2005/4Q) (Washington, DC, March

2006) and EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a. 2004 and 2005 electricity prices: Annual Energy Review 2005, DOE/EIA-0384(2005)

(Washington, DC, July 2006). 2004 and 2005 natural gas prices are based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the

Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and the Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004

refining consumption values based on: Petroleum Supply Annual 2004, DOE/EIA-0340(2004)/1 (Washington, DC, June 2005). 2005 refining consumption values based on:

Petroleum Supply Annual 2005, DOE/EIA-0340(2005)/1 (Washington, DC, October 2006). Other 2004 and 2005 consumption values are based on: EIA, Annual Energy Review

2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 shipments: Global Insight industry model, July 2005. Projections: EIA, AEO2007 National Energy Modeling

System run aeo2007.d112106a.

Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Key Indicators													
Travel Indicators													
(billion vehicle miles traveled)													
Light-Duty Vehicles < 8500 pounds	2652	2655	2653	2666	2698	2744	2799	2860	2923	2988	3056	3125	3194
Commercial Light Trucks 1/	66	67	69	69	70	71	72	74	75	77	79	81	82
Freight Trucks > 10000 pounds	226	230	236	241	245	250	255	261	267	274	280	287	294
(billion seat miles available)													
Air	992	1027	1023	1037	1074	1117	1172	1205	1229	1254	1278	1302	1325
(billion ton miles traveled)													
Rail	1590	1590	1636	1651	1660	1679	1714	1759	1784	1810	1841	1864	1900
Domestic Shipping	618	613	604	628	644	653	661	668	678	682	693	699	703
Energy Efficiency Indicators													
(miles per gallon)													
New Light-Duty Vehicle 2/	24.6	25.2	25.7	26.0	26.6	26.9	27.3	27.8	27.8	27.8	27.8	27.9	27.9
New Car 2/	29.1	30.0	29.5	29.8	29.9	30.9	31.7	32.1	32.2	32.3	32.3	32.4	32.5
New Light Truck 2/	21.5	21.8	22.0	22.2	23.2	23.4	23.7	24.4	24.4	24.5	24.6	24.7	24.8
Light-Duty Stock 3/	19.6	19.6	19.7	19.6	19.6	19.6	19.8	19.9	20.1	20.3	20.4	20.6	20.7
New Commercial Light Truck 1/	14.5	14.6	14.8	14.9	15.5	15.6	15.8	16.3	16.3	16.3	16.4	16.4	16.5
Stock Commercial Light Truck 1/	14.0	14.1	14.2	14.3	14.4	14.6	14.7	14.9	15.1	15.2	15.4	15.5	15.7
Freight Truck	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.1	6.1	6.2	6.2
(seat miles per gallon)													
Aircraft	55.5	55.7	55.9	56.6	57.2	57.7	58.2	58.7	59.4	60.2	61.0	61.9	62.8
(ton miles/thousand Btu)													
Rail	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Domestic Shipping	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Energy Use by Mode													
(quadrillion Btu)													
Light-Duty Vehicles	16.34	16.36	16.55	16.50	16.53	16.63	16.76	16.97	17.20	17.44	17.71	17.99	18.27
Commercial Light Trucks 1/	0.59	0.59	0.60	0.61	0.61	0.61	0.61	0.62	0.63	0.63	0.64	0.65	0.66
Bus Transportation	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28
Freight Trucks	4.70	4.77	4.90	5.02	5.10	5.19	5.29	5.40	5.52	5.62	5.71	5.80	5.89
Rail, Passenger	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Rail, Freight	0.55	0.55	0.56	0.57	0.57	0.57	0.59	0.60	0.61	0.62	0.63	0.63	0.64
Shipping, Domestic	0.26	0.26	0.25	0.26	0.27	0.27	0.27	0.28	0.28	0.28	0.29	0.29	0.29
Shipping, International	0.69	0.76	0.70	0.72	0.74	0.75	0.77	0.77	0.78	0.78	0.78	0.78	0.78
Recreational Boats	0.19	0.18	0.18	0.18	0.19	0.20	0.20	0.21	0.21	0.22	0.22	0.23	0.23
Air	2.85	2.84	2.91	3.01	3.14	3.30	3.50	3.59	3.64	3.70	3.74	3.79	3.83
Military Use	0.71	0.71	0.68	0.70	0.71	0.72	0.73	0.73	0.74	0.74	0.74	0.75	0.75
Lubricants	0.15	0.15	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Pipeline Fuel	0.59	0.58	0.57	0.63	0.65	0.66	0.66	0.67	0.68	0.68	0.69	0.70	0.70
Total	27.92	28.05	28.36	28.65	28.96	29.37	29.86	30.31	30.75	31.18	31.63	32.07	32.53

Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
(million barrels per day oil equivalent)													
Light-Duty Vehicles	8.57	8.58	8.69	8.76	8.80	8.91	9.00	9.11	9.23	9.36	9.51	9.66	9.81
Commercial Light Trucks 1/	0.31	0.31	0.32	0.32	0.32	0.33	0.33	0.33	0.34	0.34	0.34	0.35	0.35
Bus Transportation	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Freight Trucks	2.24	2.27	2.34	2.40	2.44	2.48	2.53	2.59	2.64	2.69	2.73	2.78	2.82
Rail, Passenger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Rail, Freight	0.26	0.26	0.27	0.27	0.27	0.27	0.28	0.29	0.29	0.29	0.30	0.30	0.31
Shipping, Domestic	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Shipping, International	0.30	0.33	0.31	0.32	0.32	0.33	0.34	0.34	0.34	0.34	0.34	0.34	0.34
Recreational Boats	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12
Air	1.38	1.37	1.41	1.46	1.52	1.59	1.69	1.73	1.76	1.79	1.81	1.83	1.85
Military Use	0.34	0.34	0.33	0.33	0.34	0.35	0.35	0.35	0.35	0.36	0.36	0.36	0.36
Lubricants	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Pipeline Fuel	0.30	0.29	0.29	0.32	0.33	0.33	0.33	0.34	0.34	0.35	0.35	0.35	0.35
Total	14.14	14.19	14.36	14.61	14.79	15.05	15.31	15.54	15.77	15.99	16.22	16.45	16.69

Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Key Indicators															
Travel Indicators															
(billion vehicle miles traveled)															
Light-Duty Vehicles < 8500 pounds	3264	3334	3403	3474	3546	3617	3691	3765	3839	3917	3995	4071	4150	4226	1.9%
Commercial Light Trucks 1/	84	86	88	89	91	93	95	97	99	101	103	105	108	110	2.0%
Freight Trucks > 10000 pounds	299	305	311	318	325	332	339	347	355	363	372	381	389	397	2.2%
(billion seat miles available)															
Air	1349	1373	1398	1410	1424	1437	1451	1464	1478	1491	1505	1518	1531	1544	1.6%
(billion ton miles traveled)															
Rail	1921	1937	1964	2000	2040	2086	2125	2168	2223	2275	2316	2361	2402	2445	1.7%
Domestic Shipping	707	714	724	730	737	742	745	748	751	755	760	766	771	775	0.9%
Energy Efficiency Indicators															
(miles per gallon)															
New Light-Duty Vehicle 2/	28.0	28.1	28.2	28.2	28.3	28.5	28.6	28.8	28.9	28.9	29.0	29.1	29.2	29.2	0.6%
New Car 2/	32.6	32.6	32.7	32.8	32.9	33.1	33.2	33.3	33.4	33.4	33.5	33.6	33.6	33.7	0.5%
New Light Truck 2/	24.9	25.0	25.1	25.3	25.4	25.6	25.8	25.9	26.1	26.2	26.3	26.4	26.5	26.5	0.8%
Light-Duty Stock 3/	20.8	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.8	21.8	21.9	22.0	22.1	22.2	0.5%
New Commercial Light Truck 1/	16.6	16.6	16.7	16.7	16.8	16.9	17.0	17.1	17.2	17.2	17.3	17.4	17.4	17.4	0.7%
Stock Commercial Light Truck 1/	15.8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.8	16.9	17.0	17.0	0.8%
Freight Truck	6.3	6.3	6.4	6.4	6.5	6.5	6.6	6.6	6.6	6.6	6.7	6.7	6.7	6.7	0.4%
(seat miles per gallon)															
Aircraft	63.7	64.6	65.4	66.4	67.4	68.5	69.6	70.6	71.6	72.6	73.5	74.3	75.0	75.6	1.2%
(ton miles/thousand Btu)															
Rail	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.1%
Domestic Shipping	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	0.1%
Energy Use by Mode															
(quadrillion Btu)															
Light-Duty Vehicles	18.56	18.85	19.13	19.44	19.74	20.04	20.35	20.67	20.98	21.32	21.65	21.98	22.32	22.66	1.3%
Commercial Light Trucks 1/	0.67	0.68	0.68	0.69	0.70	0.71	0.72	0.73	0.75	0.76	0.77	0.78	0.80	0.81	1.3%
Bus Transportation	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.5%
Freight Trucks	5.95	6.01	6.08	6.18	6.27	6.37	6.47	6.58	6.71	6.85	6.99	7.13	7.26	7.40	1.8%
Rail, Passenger	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	1.1%
Rail, Freight	0.65	0.66	0.66	0.68	0.69	0.70	0.72	0.73	0.75	0.76	0.78	0.79	0.80	0.82	1.6%
Shipping, Domestic	0.29	0.29	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.32	0.9%
Shipping, International	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.79	0.80	0.80	0.80	0.80	0.80	0.80	0.2%
Recreational Boats	0.23	0.23	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.26	0.26	0.26	0.27	0.27	1.5%
Air	3.88	3.92	3.96	3.97	3.98	3.98	3.99	3.99	4.00	4.01	4.03	4.05	4.07	4.11	1.5%
Military Use	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.80	0.80	0.5%
Lubricants	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.4%
Pipeline Fuel	0.70	0.74	0.78	0.79	0.80	0.80	0.80	0.80	0.79	0.79	0.79	0.79	0.79	0.79	1.3%
Total	32.95	33.41	33.88	34.33	34.78	35.22	35.68	36.14	36.63	37.16	37.69	38.22	38.75	39.29	1.4%

Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
(million barrels per day oil equivalent)															
Light-Duty Vehicles	9.96	10.12	10.27	10.43	10.59	10.75	10.92	11.09	11.25	11.43	11.61	11.79	11.97	12.15	1.4%
Commercial Light Trucks 1/	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.40	0.41	0.42	0.42	0.43	0.44	1.4%
Bus Transportation	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.6%
Freight Trucks	2.85	2.88	2.91	2.96	3.00	3.05	3.10	3.15	3.21	3.28	3.35	3.41	3.48	3.54	1.8%
Rail, Passenger	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	1.1%
Rail, Freight	0.31	0.31	0.32	0.32	0.33	0.33	0.34	0.35	0.36	0.36	0.37	0.38	0.38	0.39	1.7%
Shipping, Domestic	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.9%
Shipping, International	0.34	0.34	0.34	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.2%
Recreational Boats	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.15	1.6%
Air	1.88	1.89	1.91	1.92	1.92	1.93	1.93	1.93	1.94	1.94	1.95	1.96	1.97	1.99	1.5%
Military Use	0.36	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.5%
Lubricants	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.4%
Pipeline Fuel	0.35	0.37	0.39	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	1.3%
Total	16.91	17.14	17.38	17.62	17.85	18.08	18.31	18.56	18.81	19.08	19.35	19.63	19.90	20.18	1.4%

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.

Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005: Energy Information Administration (EIA), Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005); EIA, Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006); Federal Highway Administration, Highway Statistics 2004 (Washington, DC, October 2005); Oak Ridge National Laboratory, Transportation Energy Data Book: Edition 25 and Annual (Oak Ridge, TN, 2006); National Highway Traffic and Safety Administration, Summary of Fuel Economy Performance (Washington, DC, February 2000); U.S. Department of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," EC97TV (Washington, DC, October 1999); EIA, Estimated Number of Alternative-Fueled Vehicles, http://www.eia.doe.gov/cneaf/alternate/page/datatables/aft1-13_03.html; EIA, State Energy Data Report 2002, DOE/EIA-0214(2002) (Washington, DC, December 2005); U.S. Department of Transportation, Research and Special Programs Administration, Air Carrier Statistics Monthly, December 2005/2004 (Washington, DC, 2005); EIA, Fuel Oil and Kerosene Sales 2004, DOE/EIA-0535(2004) (Washington, DC, November 2005); and United States Department of Defense, Defense Fuel Supply Center. Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 8. Electricity Supply, Disposition, Prices, and Emissions
(billion kilowatt-hours, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Net Generation by Fuel Type													
Electric Power Sector 1/													
Power Only 2/													
Coal	1921	1956	1971	1991	1995	2029	2090	2118	2142	2169	2212	2233	2266
Petroleum	111	111	71	78	79	80	82	84	87	92	93	89	90
Natural Gas 3/	491	546	590	596	659	673	658	678	700	718	724	756	768
Nuclear Power	789	780	787	795	792	788	789	792	804	806	808	812	826
Pumped Storage/Other	-8	-7	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
Renewable Sources 4/	321	319	359	386	399	416	426	432	431	434	436	440	442
Distributed Generation (Natural Gas)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3624	3705	3770	3837	3915	3976	4037	4095	4156	4210	4264	4322	4383
Combined Heat and Power 5/													
Coal	36	37	32	32	31	31	31	31	31	29	29	29	29
Petroleum	5	5	1	1	1	1	1	1	1	1	1	1	1
Natural Gas	137	129	130	131	137	140	137	136	140	142	143	145	146
Renewable Sources	4	4	3	4	4	4	4	4	3	3	3	3	3
Total	185	178	167	168	173	176	172	172	176	176	177	179	180
Total Net Generation	3808	3883	3937	4005	4088	4152	4209	4267	4332	4386	4441	4501	4563
Less Direct Use	35	35	34	34	34	34	34	35	34	34	34	34	34
Net Available to the Grid	3773	3849	3903	3970	4054	4117	4175	4232	4298	4352	4407	4467	4529
End-Use Generation 6/													
Coal	22	22	22	22	22	22	22	29	30	30	33	33	33
Petroleum	6	6	6	11	11	11	11	13	13	13	13	13	13
Natural Gas	82	77	77	86	90	94	97	102	105	109	113	117	121
Other Gaseous Fuels 7/	6	5	4	4	4	4	4	4	4	4	5	5	5
Renewable Sources 4/	37	34	35	36	36	36	37	38	38	39	40	40	41
Other 8/	14	12	11	11	11	11	11	11	11	11	11	11	11
Total	167	155	155	170	175	178	183	197	202	207	215	220	224
Less Direct Use	136	126	125	134	137	140	144	152	156	160	165	168	172
Total Sales to the Grid	31	29	30	36	37	38	39	45	46	47	50	51	52
Total Electricity Generation	3975	4038	4092	4175	4263	4330	4392	4464	4534	4593	4656	4721	4787
Total Net Generation to the Grid	3804	3877	3933	4007	4091	4155	4214	4277	4344	4399	4458	4519	4582
Net Imports	11	25	27	17	15	6	11	10	11	14	12	8	10
Electricity Sales by Sector													
Residential	1294	1365	1386	1402	1434	1457	1483	1506	1533	1550	1571	1591	1616
Commercial	1229	1267	1280	1305	1344	1372	1398	1429	1460	1490	1520	1548	1577
Industrial	1018	1021	1021	1043	1050	1054	1063	1071	1081	1089	1095	1103	1110
Transportation	7	7	8	8	8	8	8	9	9	9	9	9	9
Total	3548	3660	3694	3757	3836	3891	3953	4014	4082	4138	4194	4251	4312
Direct Use	171	161	159	168	172	175	178	187	190	193	199	202	206
Total Electricity Use	3719	3821	3853	3925	4008	4066	4132	4201	4272	4332	4393	4453	4518

Table 8. Electricity Supply, Disposition, Prices, and Emissions
(billion kilowatthours, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
End-Use Prices (2005 cents per kilowatthour)													
Residential	9.2	9.4	9.4	9.4	9.3	9.3	9.2	9.0	9.0	8.9	8.9	8.9	8.9
Commercial	8.4	8.6	8.8	8.6	8.6	8.5	8.4	8.1	8.1	8.0	8.0	8.0	8.0
Industrial	5.4	5.7	6.2	6.4	6.4	6.3	6.1	5.9	5.7	5.7	5.6	5.6	5.7
Transportation	8.9	8.6	8.9	8.7	8.8	8.7	8.5	8.3	8.2	8.2	8.1	8.1	8.1
All Sectors Average	7.9	8.1	8.3	8.3	8.3	8.2	8.1	7.9	7.8	7.7	7.7	7.7	7.7
Prices by Service Category 9/ (2005 cents per kilowatthour)													
Generation	5.2	5.4	5.7	5.7	5.7	5.6	5.4	5.2	5.1	5.1	5.0	5.0	5.1
Transmission	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7
Distribution	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0
Electric Power Sector Emissions 1/													
Sulfur Dioxide (million tons)	10.26	10.21	10.19	9.96	8.89	7.89	6.56	5.70	5.24	5.02	4.80	4.46	4.30
Nitrogen Oxide (million tons)	3.75	3.60	3.89	3.82	3.85	2.41	2.41	2.44	2.41	2.43	2.44	2.20	2.19
Mercury (tons)	47.15	51.25	51.81	51.99	50.30	48.55	37.21	37.10	35.20	33.66	28.15	24.64	23.37

Table 8. Electricity Supply, Disposition, Prices, and Emissions
(billion kilowatthours, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Net Generation by Fuel Type															
Electric Power Sector 1/															
Power Only 2/															
Coal	2297	2322	2364	2418	2481	2548	2625	2697	2766	2845	2927	3012	3099	3191	2.0%
Petroleum	89	89	88	89	88	89	90	91	91	91	91	93	92	92	-0.7%
Natural Gas 3/	758	764	766	776	765	752	733	719	702	685	671	649	622	609	0.4%
Nuclear Power	846	867	881	885	886	886	886	886	886	886	892	899	906	896	0.6%
Pumped Storage/Other	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	1.1%
Renewable Sources 4/	446	447	447	445	445	448	451	456	458	459	461	462	459	461	1.5%
Distributed Generation (Natural Gas)	0	1	1	1	1	1	2	2	2	3	4	4	5	5	N/A
Total	4429	4480	4538	4605	4658	4716	4778	4842	4897	4961	5037	5111	5174	5245	1.4%
Combined Heat and Power 5/															
Coal	29	29	29	29	29	29	29	29	29	29	29	29	29	29	-1.0%
Petroleum	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-5.3%
Natural Gas	144	144	143	142	141	140	137	133	132	130	127	124	124	123	-0.2%
Renewable Sources	3	3	3	3	3	3	3	3	3	3	3	4	4	4	0.1%
Total	178	177	177	176	175	173	171	167	166	164	160	158	157	157	-0.5%
Total Net Generation	4606	4658	4715	4781	4832	4889	4949	5009	5063	5124	5198	5269	5331	5402	1.3%
Less Direct Use	34	34	34	34	34	34	34	34	34	34	34	34	34	34	-0.1%
Net Available to the Grid	4573	4624	4682	4747	4799	4856	4915	4976	5029	5091	5164	5235	5298	5368	1.3%
End-Use Generation 6/															
Coal	35	37	39	41	43	53	55	67	85	98	98	105	107	110	6.6%
Petroleum	13	13	13	13	13	13	13	13	13	13	13	13	14	14	3.4%
Natural Gas	126	131	136	142	147	152	159	164	169	176	181	187	194	200	3.9%
Other Gaseous Fuels 7/	5	5	5	5	5	5	5	5	5	6	6	6	6	6	0.8%
Renewable Sources 4/	42	42	43	44	44	45	46	47	48	49	50	52	53	54	1.9%
Other 8/	11	11	11	11	11	11	11	11	11	11	11	11	11	11	0.0%
Total	231	240	247	256	264	281	290	308	332	354	360	374	385	395	3.8%
Less Direct Use	177	182	187	194	199	208	215	224	236	248	253	261	269	276	3.2%
Total Sales to the Grid	55	57	60	62	65	72	75	84	96	106	107	113	116	119	5.9%
Total Electricity Generation	4838	4897	4962	5037	5097	5170	5239	5317	5395	5478	5558	5643	5716	5797	1.5%
Total Net Generation to the Grid	4627	4681	4741	4810	4864	4928	4990	5059	5125	5197	5271	5348	5413	5487	1.4%
Net Imports	13	11	14	11	12	12	13	14	13	13	13	13	13	13	-2.6%
Electricity Sales by Sector															
Residential	1632	1653	1675	1701	1715	1736	1756	1781	1797	1818	1839	1863	1878	1896	1.3%
Commercial	1605	1634	1663	1694	1726	1759	1794	1828	1864	1902	1941	1980	2021	2062	2.0%
Industrial	1111	1112	1118	1123	1128	1135	1139	1145	1155	1163	1174	1183	1190	1199	0.6%
Transportation	10	10	10	10	10	10	10	11	11	11	11	11	11	12	1.8%
Total	4358	4408	4466	4528	4580	4641	4699	4765	4827	4894	4965	5038	5099	5168	1.4%
Direct Use	211	216	221	228	233	242	249	258	270	282	287	295	303	310	2.6%
Total Electricity Use	4569	4624	4687	4756	4813	4882	4948	5023	5097	5176	5251	5332	5402	5478	1.5%

Table 8. Electricity Supply, Disposition, Prices, and Emissions
(billion kilowatthours, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005- 2030
End-Use Prices															
(2005 cents per kilowatthour)															
Residential	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1	-0.1%
Commercial	8.1	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.3	8.3	8.2	8.3	8.3	8.3	-0.2%
Industrial	5.7	5.8	5.8	5.8	5.8	5.8	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	0.2%
Transportation	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.4	8.3	-0.1%
All Sectors Average	7.8	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.1	0.0%
Prices by Service Category 9/															
(2005 cents per kilowatthour)															
Generation	5.2	5.2	5.2	5.2	5.2	5.3	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	0.0%
Transmission	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0%
Distribution	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	-0.3%
Electric Power Sector Emissions 1/															
Sulfur Dioxide (million tons)	4.15	4.01	3.94	3.90	3.88	3.83	3.80	3.75	3.68	3.66	3.63	3.63	3.61	3.63	-4.1%
Nitrogen Oxide (million tons)	2.21	2.21	2.21	2.22	2.23	2.23	2.24	2.25	2.25	2.26	2.27	2.27	2.28	2.28	-1.8%
Mercury (tons)	22.64	20.78	20.08	19.24	18.88	18.34	17.76	17.57	16.86	16.55	16.19	16.12	15.84	15.48	-4.7%

Table 8. Electricity Supply, Disposition, Prices, and Emissions
(billion kilowatt-hours, unless otherwise noted)

1/ Includes electricity-only and combined heat and power 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 North American Industry Classification System code 22).

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

7/ Includes refinery gas and still gas.

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

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005 electric power sector generation; sales to utilities; net imports; electricity sales; and emissions: Energy Information Administration (EIA), Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006) and supporting databases. 2004 and 2005 prices: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a. Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 9. Electricity Generating Capacity
(gigawatts)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Electric Power Sector 2/													
Power Only 3/													
Coal Steam	306.3	306.0	306.0	307.0	307.3	311.2	316.2	316.5	316.0	314.7	315.6	318.9	322.5
Other Fossil Steam 4/	123.3	120.8	119.4	119.4	119.0	119.0	119.0	118.9	90.6	89.4	89.3	89.3	89.1
Combined Cycle	133.0	144.2	152.2	157.0	159.6	160.3	160.9	161.7	161.7	161.7	162.1	163.2	164.7
Combustion Turbine/Diesel	128.1	130.3	131.6	133.2	134.2	134.3	134.2	134.2	115.2	115.3	116.6	118.0	119.5
Nuclear Power 5/	99.6	100.0	100.0	100.1	100.2	100.3	100.5	100.8	101.2	101.5	101.8	102.5	104.7
Pumped Storage	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
Fuel Cells	0.0	0.0	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/	94.4	97.2	100.2	104.7	104.9	105.1	105.3	105.5	105.6	106.0	106.3	106.6	106.8
Distributed Generation (Natural Gas) 7/	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.6	0.7
Total	905.3	919.2	930.2	942.2	946.0	951.1	956.9	958.6	911.5	909.7	912.8	919.7	928.8
Combined Heat and Power 8/													
Coal Steam	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.2	4.2	4.2	4.2
Other Fossil Steam 4/	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Combined Cycle	32.5	32.5	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
Combustion Turbine/Diesel	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Renewable Sources 6/	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Total	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.3	40.3	40.3	40.3
Cumulative Planned Additions 9/													
Coal Steam	0.0	0.0	0.6	2.0	2.5	6.4	8.5	8.9	9.9	9.9	9.9	9.9	9.9
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	0.0	0.0
Combined Cycle	0.0	0.0	8.0	12.8	15.4	16.2	16.7	17.6	17.6	17.6	17.6	17.6	17.6
Combustion Turbine/Diesel	0.0	0.0	1.5	3.1	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
Nuclear Power	0.0	0.0	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	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	0.0	0.0
Renewable Sources 6/	0.0	0.0	3.0	7.5	7.7	7.9	8.1	8.3	8.4	8.6	8.8	8.9	8.9
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	0.0	0.0
Total	0.0	0.0	13.1	25.4	29.2	34.2	37.0	38.5	39.7	39.8	40.0	40.1	40.2
Cumulative Unplanned Additions 9/													
Coal Steam	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.1	4.9	8.1	11.8
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	0.0	0.0
Combined Cycle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.4	3.0
Combustion Turbine/Diesel	0.0	0.0	0.0	0.0	0.6	0.7	0.7	0.8	0.9	1.1	2.4	3.8	5.3
Nuclear Power	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.5
Pumped Storage	0.0	0.0	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	0.0	0.0
Renewable Sources 6/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.7
Distributed Generation 7/	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.6	0.7
Total	0.0	0.0	0.0	0.0	0.7	0.8	3.9	4.0	4.1	4.7	8.3	14.8	24.0
Cumulative Electric Power Sector Additions	0.0	0.0	13.1	25.4	29.9	35.0	40.9	42.6	43.8	44.5	48.3	55.0	64.1

Table 9. Electricity Generating Capacity
(gigawatts)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Cumulative Retirements 10/													
Coal Steam	0.0	0.0	0.5	0.9	1.2	1.2	1.2	1.4	2.9	4.8	5.6	5.6	5.7
Other Fossil Steam 4/	0.0	0.0	1.4	1.4	1.8	1.8	1.8	1.9	30.1	31.4	31.5	31.5	31.7
Combined Cycle	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Combustion Turbine/Diesel	0.0	0.0	0.2	0.2	0.3	0.5	0.6	0.7	19.8	19.8	19.8	19.8	19.8
Nuclear Power	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	0.0	0.0
Renewable Sources 6/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.0	2.2	2.6	3.4	3.5	3.7	4.0	52.9	56.1	57.0	57.0	57.3
Total Electric Power Sector Capacity	946.3	960.1	971.1	983.0	986.8	992.0	997.8	999.5	952.3	950.0	953.2	960.0	969.2
End-Use Generators 11/													
Coal	4.1	4.2	4.2	4.1	4.1	4.1	4.1	5.1	5.2	5.2	5.6	5.6	5.6
Petroleum	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.8	1.8	1.8	1.8	1.8	1.8
Natural Gas	13.9	13.5	13.8	15.5	15.9	16.4	16.9	17.5	17.9	18.4	19.0	19.5	20.0
Other Gaseous Fuels	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Renewable Sources 6/	5.8	5.6	5.8	6.0	6.1	6.2	6.4	6.5	6.7	6.8	6.9	7.0	7.2
Other	1.1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Total	28.2	27.5	28.0	29.8	30.5	31.0	31.7	33.6	34.3	35.0	36.1	36.7	37.3
Cumulative Capacity Additions 9/	0.0	0.0	0.5	2.3	3.0	3.5	4.2	6.1	6.8	7.5	8.6	9.2	9.8

Table 9. Electricity Generating Capacity
(gigawatts)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Electric Power Sector 2/															
Power Only 3/															
Coal Steam	326.5	330.2	336.1	343.0	351.3	359.5	369.7	379.6	389.5	400.3	411.5	422.7	434.0	445.8	1.5%
Other Fossil Steam 4/	88.8	88.8	88.8	88.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	87.2	87.0	-1.3%
Combined Cycle	165.9	167.3	168.8	171.4	173.2	174.9	176.2	177.6	178.4	178.8	179.2	179.2	179.2	179.2	0.9%
Combustion Turbine/Diesel	120.4	121.4	122.6	124.3	126.4	128.6	129.7	131.0	133.0	135.6	138.9	142.6	147.0	152.3	0.6%
Nuclear Power 5/	107.5	110.2	111.7	111.7	111.7	111.7	111.7	111.7	111.7	111.7	112.7	113.6	114.4	112.6	0.5%
Pumped Storage	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	N/A
Fuel Cells	0.0	0.0	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
Renewable Sources 6/	106.9	107.1	107.2	107.3	107.4	107.7	107.7	107.9	108.2	108.4	108.6	108.9	109.0	109.6	0.5%
Distributed Generation (Natural Gas) 7/	0.9	1.2	1.5	2.1	2.7	3.2	3.9	4.7	5.5	6.8	8.1	9.4	10.4	11.4	N/A
Total	937.7	947.1	957.5	969.6	981.8	994.7	1008.2	1021.7	1035.4	1050.7	1068.1	1085.5	1101.9	1118.6	0.8%
Combined Heat and Power 8/															
Coal Steam	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	-0.5%
Other Fossil Steam 4/	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	N/A
Combined Cycle	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	0.0%
Combustion Turbine/Diesel	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0%
Renewable Sources 6/	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2%
Total	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	-0.1%
Cumulative Planned Additions 9/															
Coal Steam	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	N/A
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	0.0	0.0	0.0	N/A
Combined Cycle	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	N/A
Combustion Turbine/Diesel	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	N/A
Nuclear Power	0.0	0.0	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
Pumped Storage	0.0	0.0	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
Fuel Cells	0.0	0.0	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
Renewable Sources 6/	9.0	9.0	9.0	9.0	9.0	9.1	9.1	9.1	9.1	9.2	9.2	9.2	9.2	9.2	N/A
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	0.0	0.0	0.0	N/A
Total	40.2	40.2	40.2	40.2	40.3	40.3	40.3	40.3	40.4	40.4	40.4	40.4	40.4	40.5	N/A
Cumulative Unplanned Additions 9/															
Coal Steam	15.8	19.5	25.4	32.4	40.6	48.8	59.1	69.0	78.8	89.7	100.9	112.0	123.4	135.1	N/A
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	0.0	0.0	0.0	N/A
Combined Cycle	4.2	5.6	7.1	9.7	11.4	13.1	14.5	15.9	16.6	17.1	17.5	17.5	17.5	17.5	N/A
Combustion Turbine/Diesel	6.1	7.2	8.4	10.1	12.2	14.4	15.4	16.8	18.8	21.3	24.6	28.4	32.7	38.0	N/A
Nuclear Power	4.8	7.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.9	10.9	11.7	12.5	N/A
Pumped Storage	0.0	0.0	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
Fuel Cells	0.0	0.0	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
Renewable Sources 6/	0.8	0.9	1.0	1.1	1.1	1.4	1.4	1.6	1.9	2.0	2.2	2.5	2.6	3.2	N/A
Distributed Generation 7/	0.9	1.2	1.5	2.1	2.7	3.2	3.9	4.7	5.5	6.8	8.1	9.4	10.4	11.4	N/A
Total	32.6	41.9	52.3	64.4	77.0	89.9	103.4	116.9	130.6	145.9	163.3	180.6	198.2	217.7	N/A
Cumulative Electric Power Sector Additions	72.8	82.1	92.6	104.7	117.2	130.2	143.7	157.3	171.0	186.3	203.7	221.1	238.7	258.2	N/A

Table 9. Electricity Generating Capacity
(gigawatts)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005- 2030
Cumulative Retirements 10/															
Coal Steam	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	N/A
Other Fossil Steam 4/	32.0	32.0	32.0	32.0	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	33.6	33.8	N/A
Combined Cycle	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A
Combustion Turbine/Diesel	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	N/A
Nuclear Power	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	N/A
Pumped Storage	0.0	0.0	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
Fuel Cells	0.0	0.0	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
Renewable Sources 6/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total	57.6	57.6	57.6	57.6	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	59.2	62.0	N/A
Total Electric Power Sector Capacity	978.1	987.4	997.9	1010.0	1022.1	1035.1	1048.5	1062.1	1075.8	1091.1	1108.4	1125.8	1142.3	1159.0	0.8%
End-Use Generators 11/															
Coal	5.8	6.1	6.4	6.6	6.9	8.2	8.4	9.9	12.2	13.9	13.8	14.7	15.0	15.4	5.4%
Petroleum	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.7%
Natural Gas	20.7	21.3	21.9	22.8	23.5	24.2	25.0	25.7	26.4	27.3	28.0	28.7	29.7	30.4	3.3%
Other Gaseous Fuels	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.4%
Renewable Sources 6/	7.3	7.4	7.5	7.7	7.8	8.0	8.2	8.4	8.7	9.0	9.3	9.7	10.2	10.7	2.6%
Other	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	N/A
Total	38.4	39.4	40.4	41.7	42.8	44.9	46.2	48.7	52.0	54.8	55.9	57.9	59.6	61.3	3.3%
Cumulative Capacity Additions 9/	10.9	11.9	12.9	14.2	15.3	17.4	18.7	21.2	24.5	27.3	28.4	30.4	32.1	33.8	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 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 includes 2.7 gigawatts of uprates through 2030.

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 North American Industry Classification System code 22).

9/ Cumulative additions after December 31, 2005.

10/ Cumulative retirements after December 31, 2005.

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

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005 capacity and projected planned additions: Energy Information Administration (EIA), Form EIA-860, "Annual Electric Generator Report" (preliminary).

Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 10. Electricity Trade
(billion kilowatthours, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Interregional Electricity Trade												
Gross Domestic Sales												
Firm Power	142.4	127.0	119.4	116.4	111.4	111.0	105.5	102.4	103.2	95.1	88.8	82.4
Economy	118.3	180.5	203.3	165.2	162.2	176.3	178.6	181.3	180.0	183.5	192.7	181.7
Total	260.7	307.5	322.7	281.5	273.6	287.3	284.0	283.7	283.2	278.6	281.5	264.1
Gross Domestic Sales (million 2005 dollars)												
Firm Power	7675.9	6845.3	6437.6	6273.3	6003.5	5984.9	5684.4	5519.0	5561.1	5127.5	4784.7	4441.8
Economy	7058.7	11082.0	11373.6	9413.6	8914.3	9057.6	8729.7	8138.6	7975.8	7891.2	8314.4	7772.8
Total	14734.6	17927.2	17811.2	15686.8	14917.9	15042.5	14414.1	13657.7	13536.9	13018.8	13099.1	12214.6
International Electricity Trade												
Imports from Canada and Mexico												
Firm Power	12.5	13.1	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.3	2.1	1.9
Economy	21.7	31.4	43.0	34.6	30.2	22.5	26.7	25.2	26.8	29.6	27.5	23.9
Total	34.2	44.5	45.6	37.1	32.7	25.1	29.2	27.7	29.3	31.9	29.6	25.7
Exports to Canada and Mexico												
Firm Power	7.4	2.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.8	0.7
Economy	15.5	16.9	17.5	18.9	16.9	18.0	17.1	17.0	17.0	17.2	16.9	16.6
Total	22.9	19.8	18.5	19.9	17.9	19.0	18.1	18.0	18.0	18.0	17.7	17.2

Table 10. Electricity Trade
(billion kilowatthours, unless otherwise noted)

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030	
Interregional Electricity Trade																	
Gross Domestic Sales																	
Firm Power	76.0	69.7	63.3	57.0	50.6	44.2	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	-4.7%
Economy	181.8	172.8	165.0	170.1	167.6	158.3	169.9	171.3	170.4	164.1	160.7	151.9	153.1	150.8	149.9	149.9	-0.7%
Total	257.9	242.5	228.3	227.1	218.2	202.6	207.8	209.2	208.3	201.9	198.5	189.8	190.9	188.7	187.7	187.7	-2.0%
Gross Domestic Sales (million 2005 dollars)																	
Firm Power	4098.9	3756.1	3413.2	3070.3	2727.5	2384.6	2041.8	2041.8	2041.8	2041.8	2041.8	2041.8	2041.8	2041.8	2041.8	2041.8	-4.7%
Economy	7950.8	7792.0	7396.2	7604.0	7568.7	7115.3	7711.6	7863.3	7880.7	7572.2	7387.1	7052.9	7209.7	7144.6	7117.4	7117.4	-1.8%
Total	12049.7	11548.0	10809.4	10674.4	10296.2	9499.9	9753.4	9905.1	9922.4	9613.9	9428.8	9094.7	9251.4	9186.3	9159.2	9159.2	-2.7%
International Electricity Trade																	
Imports from Canada and Mexico																	
Firm Power	1.7	1.4	1.2	1.0	0.8	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	-13.2%
Economy	25.0	28.0	26.6	28.8	25.9	26.8	27.0	27.0	27.7	26.0	26.0	26.1	26.6	26.6	26.1	26.1	-0.7%
Total	26.7	29.4	27.9	29.8	26.7	27.4	27.4	27.4	28.1	26.4	26.4	26.5	27.0	27.0	26.5	26.5	-2.1%
Exports to Canada and Mexico																	
Firm Power	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Economy	16.4	16.2	16.0	15.8	15.6	15.5	15.3	14.9	14.2	13.7	13.7	13.7	13.7	13.7	13.7	13.7	-0.8%
Total	16.9	16.7	16.4	16.1	15.8	15.6	15.3	14.9	14.2	13.7	13.7	13.7	13.7	13.7	13.7	13.7	-1.5%

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 2004 and 2005 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: 2004 and 2005 interregional firm electricity trade data: North American Electric Reliability Council (NERC), Electricity Sales and Demand Database 2004. Electric Reliability Council (NERC), Electricity Sales and Demand Database 2004. 2004 and 2005 Mexican electricity trade data: Energy Information Administration (EIA), Electric Power Annual 2005, DOE/EIA-0348(2005) (Washington, DC, October 2006). 2004 Canadian international electricity trade data: National Energy Board, Annual Report 2004. 2005 Canadian international electricity trade data: National Energy Board, Annual Report 2005. Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 11. Liquid Fuels Supply and Disposition
(million barrels per day, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Crude Oil													
Domestic Crude Production 1/	5.47	5.18	5.10	5.48	5.64	5.68	5.67	5.71	5.76	5.70	5.82	5.91	5.94
Alaska	0.91	0.86	0.71	0.75	0.76	0.73	0.69	0.64	0.59	0.56	0.60	0.65	0.68
Lower 48 States	4.56	4.31	4.39	4.73	4.88	4.95	4.98	5.08	5.17	5.14	5.22	5.26	5.26
Net Imports	10.06	10.09	10.06	9.93	9.73	9.81	9.99	10.12	10.28	10.45	10.39	10.49	10.61
Gross Imports	10.09	10.13	10.09	9.97	9.77	9.85	10.03	10.16	10.31	10.49	10.43	10.52	10.64
Exports	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Other Crude Supply 2/	0.00	-0.06	-0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Crude Supply	15.52	15.22	15.08	15.41	15.37	15.50	15.66	15.83	16.04	16.15	16.21	16.40	16.54
Other Supply													
Natural Gas Plant Liquids	1.81	1.72	1.73	1.79	1.81	1.81	1.80	1.78	1.80	1.79	1.82	1.82	1.82
Net Product Imports	2.06	2.48	2.42	1.83	1.84	1.77	1.80	1.79	1.79	1.91	2.05	2.03	2.11
Gross Refined Product Imports 3/	2.07	2.45	2.42	1.82	1.82	1.72	1.78	1.78	1.75	1.84	1.87	1.84	1.90
Unfinished Oil Imports	0.49	0.58	0.61	0.39	0.37	0.39	0.41	0.43	0.42	0.43	0.44	0.46	0.46
Ethanol Imports	0.01	0.01	0.03	0.03	0.03	0.03	0.02	0.01	0.01	0.01	0.01	0.03	0.03
Blending Component Imports	0.49	0.54	0.63	0.82	0.83	0.85	0.82	0.83	0.85	0.87	0.98	0.96	0.97
Exports	0.96	1.07	1.27	1.22	1.22	1.22	1.23	1.25	1.25	1.25	1.25	1.25	1.26
Refinery Processing Gain 4/	1.05	0.99	1.07	1.10	1.14	1.22	1.21	1.23	1.23	1.23	1.25	1.26	1.30
Other Inputs	0.34	0.39	0.37	0.68	0.87	1.01	1.02	1.17	1.17	1.22	1.18	1.25	1.27
Ethanol	0.22	0.26	0.33	0.36	0.46	0.62	0.69	0.71	0.72	0.73	0.73	0.74	0.74
Liquids from Gas	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
Liquids from Coal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.06	0.06	0.06
Other 5/	0.12	0.13	0.04	0.31	0.40	0.39	0.33	0.42	0.41	0.45	0.38	0.46	0.47
Total Primary Supply 6/	20.79	20.79	20.66	20.81	21.03	21.30	21.49	21.81	22.04	22.31	22.51	22.78	23.04

Table 11. Liquid Fuels Supply and Disposition
(million barrels per day, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Liquid Fuels Consumption													
by Fuel													
Liquefied Petroleum Gases	2.13	2.03	2.09	2.24	2.26	2.23	2.22	2.22	2.22	2.22	2.23	2.23	2.24
E85 7/	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
Motor Gasoline 8/	9.10	9.16	9.21	9.28	9.33	9.44	9.53	9.64	9.76	9.89	10.04	10.18	10.33
Jet Fuel 9/	1.63	1.68	1.64	1.70	1.77	1.85	1.95	2.00	2.02	2.05	2.08	2.10	2.12
Distillate Fuel Oil 10/	4.06	4.12	4.18	4.38	4.42	4.47	4.53	4.61	4.69	4.75	4.81	4.86	4.92
Residual Fuel Oil	0.87	0.92	0.73	0.75	0.76	0.77	0.79	0.79	0.81	0.83	0.84	0.82	0.83
Other 11/	2.97	2.84	2.81	2.57	2.61	2.62	2.57	2.63	2.62	2.65	2.61	2.66	2.68
by Sector													
Residential and Commercial	1.27	1.26	1.25	1.24	1.24	1.25	1.25	1.26	1.28	1.29	1.29	1.29	1.29
Industrial 12/	5.28	5.07	5.12	5.07	5.11	5.08	5.01	5.07	5.06	5.09	5.05	5.10	5.12
Transportation	13.80	13.87	14.04	14.25	14.42	14.67	14.93	15.15	15.37	15.59	15.81	16.04	16.27
Electric Power 13/	0.50	0.51	0.34	0.38	0.38	0.39	0.40	0.41	0.42	0.44	0.45	0.43	0.44
Total	20.76	20.75	20.68	20.94	21.15	21.38	21.59	21.89	22.13	22.40	22.60	22.86	23.12
Discrepancy 14/	0.03	0.04	-0.02	-0.13	-0.12	-0.08	-0.10	-0.09	-0.09	-0.09	-0.10	-0.08	-0.08
Domestic Refinery Distillation Capacity 15/	16.9	17.1	17.3	17.6	17.7	17.7	17.8	17.9	17.9	17.9	17.9	18.0	18.1
Capacity Utilization Rate (percent) 16/	93.0	91.0	89.0	88.8	88.1	88.6	89.1	89.9	90.9	91.4	91.6	92.2	92.4
Net Import Share of Product Supplied (percent)	58.3	60.5	60.4	56.5	55.0	54.4	54.9	54.6	54.7	55.4	55.3	55.0	55.2
Gross Inputs to Crude Oil Distillation Units	15.76	15.58	15.43	15.63	15.59	15.71	15.88	16.05	16.27	16.38	16.43	16.63	16.78
Net Expenditures for Imports of Crude Oil and Petroleum Products (billion 2005 dollars)	179.47	236.65	274.21	258.68	237.18	229.91	222.76	212.22	205.27	203.56	202.28	203.97	207.82

Table 11. Liquid Fuels Supply and Disposition
(million barrels per day, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Crude Oil															
Domestic Crude Production 1/	5.94	5.93	5.93	5.89	5.87	5.82	5.77	5.65	5.58	5.50	5.46	5.40	5.38	5.39	0.2%
Alaska	0.68	0.72	0.77	0.74	0.69	0.65	0.59	0.52	0.47	0.42	0.37	0.33	0.30	0.27	-4.6%
Lower 48 States	5.26	5.21	5.17	5.15	5.18	5.18	5.18	5.13	5.12	5.09	5.09	5.07	5.08	5.12	0.7%
Net Imports	10.72	10.90	11.11	11.29	11.52	11.75	11.76	11.98	12.20	12.30	12.53	12.71	12.93	13.09	1.0%
Gross Imports	10.75	10.94	11.15	11.33	11.55	11.79	11.80	12.02	12.24	12.34	12.57	12.75	12.96	13.12	1.0%
Exports	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.2%
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	0.00	0.00	N/A
Total Crude Supply	16.66	16.83	17.05	17.19	17.39	17.58	17.54	17.63	17.78	17.80	17.99	18.11	18.30	18.47	0.8%
Other Supply															
Natural Gas Plant Liquids	1.83	1.80	1.77	1.76	1.76	1.76	1.75	1.75	1.72	1.71	1.71	1.71	1.72	1.72	0.0%
Net Product Imports	2.19	2.21	2.20	2.27	2.27	2.24	2.53	2.63	2.67	2.87	2.97	3.10	3.17	3.28	1.1%
Gross Refined Product Imports 3/	1.93	1.94	1.95	1.98	1.94	1.85	2.11	2.18	2.17	2.29	2.34	2.43	2.47	2.52	0.1%
Unfinished Oil Imports	0.48	0.47	0.50	0.51	0.53	0.57	0.58	0.59	0.60	0.61	0.62	0.64	0.65	0.67	0.6%
Ethanol Imports	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	8.4%
Blending Component Imports	1.00	1.02	1.00	1.03	1.05	1.08	1.10	1.13	1.15	1.23	1.26	1.30	1.32	1.36	3.8%
Exports	1.26	1.27	1.29	1.29	1.30	1.30	1.30	1.31	1.30	1.31	1.31	1.31	1.32	1.33	0.9%
Refinery Processing Gain 4/	1.30	1.32	1.36	1.41	1.43	1.45	1.45	1.46	1.45	1.47	1.48	1.48	1.48	1.49	1.7%
Other Inputs	1.23	1.30	1.35	1.31	1.38	1.48	1.48	1.55	1.60	1.75	1.77	1.75	1.77	1.88	6.5%
Ethanol	0.75	0.77	0.78	0.79	0.80	0.82	0.82	0.84	0.85	0.86	0.87	0.88	0.89	0.90	5.2%
Liquids from Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Liquids from Coal	0.07	0.08	0.09	0.10	0.11	0.16	0.17	0.22	0.32	0.38	0.38	0.42	0.43	0.44	N/A
Other 5/	0.41	0.46	0.48	0.43	0.47	0.51	0.49	0.49	0.43	0.51	0.52	0.46	0.45	0.53	5.7%
Total Primary Supply 6/	23.20	23.45	23.73	23.94	24.23	24.51	24.75	25.01	25.22	25.61	25.92	26.16	26.45	26.84	1.0%

Table 11. Liquid Fuels Supply and Disposition
(million barrels per day, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005- 2030
Liquid Fuels Consumption															
by Fuel															
Liquefied Petroleum Gases	2.24	2.24	2.25	2.26	2.27	2.29	2.30	2.31	2.33	2.33	2.35	2.37	2.40	2.42	0.7%
E85 7/	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	11.9%
Motor Gasoline 8/	10.48	10.63	10.78	10.93	11.09	11.24	11.40	11.55	11.71	11.88	12.04	12.20	12.37	12.53	1.3%
Jet Fuel 9/	2.15	2.17	2.19	2.19	2.20	2.20	2.21	2.21	2.22	2.22	2.23	2.24	2.26	2.27	1.2%
Distillate Fuel Oil 10/	4.96	5.00	5.05	5.11	5.17	5.24	5.31	5.39	5.48	5.57	5.67	5.76	5.85	5.95	1.5%
Residual Fuel Oil	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.84	0.83	0.83	-0.4%
Other 11/	2.64	2.68	2.71	2.70	2.75	2.79	2.79	2.81	2.78	2.85	2.88	2.84	2.86	2.93	0.1%
by Sector															
Residential and Commercial	1.29	1.29	1.29	1.29	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	0.1%
Industrial 12/	5.08	5.12	5.16	5.16	5.22	5.27	5.28	5.31	5.29	5.37	5.42	5.40	5.44	5.53	0.3%
Transportation	16.49	16.70	16.92	17.15	17.38	17.60	17.84	18.07	18.33	18.60	18.87	19.14	19.41	19.69	1.4%
Electric Power 13/	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.44	0.44	0.44	0.44	0.45	0.45	0.45	-0.5%
Total	23.29	23.54	23.80	24.03	24.30	24.58	24.83	25.10	25.34	25.69	26.01	26.27	26.58	26.95	1.1%
Discrepancy 14/	-0.09	-0.08	-0.07	-0.09	-0.08	-0.07	-0.08	-0.09	-0.12	-0.08	-0.09	-0.11	-0.13	-0.11	N/A
Domestic Refinery Distillation Capacity 15/	18.2	18.4	18.5	18.7	18.8	19.0	19.2	19.3	19.4	19.4	19.6	19.7	19.8	20.0	0.6%
Capacity Utilization Rate (percent) 16/	92.6	93.0	93.2	93.4	93.5	93.6	92.7	92.7	93.1	92.9	93.1	93.4	93.5	93.5	0.1%
Net Import Share of Product Supplied (percent)	55.6	55.9	56.1	56.6	56.9	57.1	57.8	58.4	59.0	59.2	59.8	60.4	60.9	61.0	0.0%
Gross Inputs to Crude Oil Distillation Units	16.89	17.07	17.29	17.43	17.63	17.82	17.78	17.88	18.03	18.05	18.24	18.37	18.56	18.73	0.7%
Net Expenditures for Imports of Crude Oil and Petroleum Products (billion 2005 dollars)	212.39	217.87	223.70	229.80	236.42	243.70	249.76	258.11	264.31	270.94	278.76	286.73	293.57	300.51	1.0%

Table 11. Liquid Fuels Supply and Disposition
(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 other hydrocarbons and alcohols.
 - 4/ Represents volumetric gain in refinery distillation and cracking processes.
 - 5/ Includes petroleum product stock withdrawals; and domestic sources of other blending components, other hydrocarbons, ethers, and renewable fuels such as biodiesel.
 - 6/ Total crude supply plus natural gas plant liquids, other inputs, refinery processing gain, and net product imports.
 - 7/ 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 is used for this forecast.
 - 8/ Includes ethanol and ethers blended into gasoline.
 - 9/ Includes only kerosene type.
 - 10/ Includes distillate fuel oil and kerosene from petroleum and biomass feedstocks.
 - 11/ Includes aviation gasoline, petrochemical feedstocks, lubricants, waxes, asphalt, road oil, still gas, special naphthas, petroleum coke, crude oil product supplied, tire-derived fuel, methanol, liquid hydrogen, 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 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/ End-of-year operable capacity.
 - 16/ Rate is calculated by dividing the gross annual input to atmospheric crude oil distillation units by their operable refining capacity in barrels per calendar day.
- N/A = Not applicable.
- Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.
- Sources: 2004 and 2005 product supplied based on: Energy Information Administration (EIA), Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). Other 2004 data: EIA, Petroleum Supply Annual 2004, DOE/EIA-0340(2004)/1 (Washington, DC, June 2005). Other 2005 data: EIA, Petroleum Supply Annual 2005, DOE/EIA-0340(2005)/1 (Washington, DC, October 2006). Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 12. Petroleum Product Prices
(2005 cents per gallon, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Crude Oil Prices (2005 dollars per barrel)													
Imported Low-Sulfur Light Crude Oil 1/ Imported Crude Oil 1/	42.87	56.76	69.11	66.71	64.09	60.91	57.47	54.33	51.71	49.99	49.64	49.87	49.75
	37.09	49.19	61.75	59.49	57.23	54.21	51.20	48.48	46.22	45.01	44.41	44.61	44.81
Delivered Sector Product Prices													
Residential													
Liquefied Petroleum Gases	156.9	166.3	182.3	211.5	211.1	206.5	204.0	200.5	199.1	197.4	197.7	197.2	198.0
Distillate Fuel Oil	178.8	204.3	234.5	242.0	234.5	219.6	206.3	194.6	185.3	174.7	173.7	174.7	175.2
Commercial													
Distillate Fuel Oil	145.0	175.4	202.3	211.7	199.3	185.7	175.5	165.2	156.3	149.5	147.1	147.9	149.9
Residual Fuel Oil	93.5	126.0	151.2	118.0	116.7	114.9	112.8	105.7	103.6	89.7	94.5	97.2	96.5
Residual Fuel Oil (2005 dollars per barrel)	39.29	52.90	63.50	49.55	49.03	48.28	47.39	44.39	43.50	37.66	39.69	40.83	40.54
Industrial 2/													
Liquefied Petroleum Gases	96.3	146.2	163.4	150.9	149.9	144.4	141.5	137.4	135.9	134.6	134.7	134.1	135.2
Distillate Fuel Oil	152.2	181.1	209.6	213.1	196.9	184.9	178.1	171.3	163.1	159.8	155.8	156.5	159.7
Residual Fuel Oil	86.4	116.3	139.8	147.8	151.0	146.6	142.2	131.4	126.8	120.3	119.4	122.9	125.9
Residual Fuel Oil (2005 dollars per barrel)	36.30	48.86	58.73	62.09	63.40	61.55	59.74	55.19	53.24	50.53	50.15	51.64	52.88
Transportation													
Liquefied Petroleum Gases	169.5	206.1	231.0	195.7	196.1	191.9	209.8	206.3	204.8	202.8	203.1	202.4	203.0
Ethanol (E85) 3/	196.5	217.1	233.1	260.0	243.0	226.4	198.5	191.4	189.6	188.3	186.5	187.3	188.3
Ethanol Wholesale Price	177.2	180.4	248.0	252.0	206.6	209.9	181.4	174.2	171.3	166.1	165.1	166.0	166.6
Motor Gasoline 4/	195.2	231.6	262.7	257.5	241.3	227.3	217.3	209.2	204.7	201.1	195.2	194.9	195.5
Jet Fuel 5/	124.4	177.4	201.9	175.4	158.3	152.0	147.2	140.0	135.8	135.5	132.9	133.5	135.4
Diesel Fuel (distillate fuel oil) 6/	187.1	241.3	272.0	270.4	249.9	237.5	230.4	219.3	210.9	208.5	203.1	203.6	207.2
Residual Fuel Oil	72.7	82.4	107.2	132.1	135.4	128.8	120.5	115.1	109.9	106.3	104.4	105.4	105.3
Residual Fuel Oil (2005 dollars per barrel)	30.51	34.62	45.03	55.46	56.89	54.09	50.60	48.35	46.17	44.65	43.84	44.27	44.21
Electric Power 7/													
Distillate Fuel Oil	132.0	157.9	183.6	197.8	191.0	176.2	162.3	149.5	139.1	128.8	127.6	128.4	128.7
Residual Fuel Oil	74.7	104.2	117.4	107.7	109.2	104.7	98.5	92.9	88.4	81.7	81.6	83.8	84.3
Residual Fuel Oil (2005 dollars per barrel)	31.38	43.76	49.33	45.23	45.86	43.96	41.37	39.02	37.11	34.31	34.29	35.20	35.39
Refined Petroleum Product Prices 8/													
Liquefied Petroleum Gases	109.3	150.7	167.7	163.7	162.7	157.6	155.3	151.4	150.1	148.8	149.0	148.6	149.7
Motor Gasoline 4/	195.0	231.1	262.1	257.4	241.3	227.3	217.3	209.2	204.7	201.1	195.2	194.9	195.5
Jet Fuel 5/	124.4	177.4	201.9	175.4	158.3	152.0	147.2	140.0	135.8	135.5	132.9	133.5	135.4
Distillate Fuel Oil	178.3	223.9	254.0	253.8	236.6	224.1	215.9	205.0	197.2	194.7	190.3	191.0	194.3
Residual Fuel Oil	76.3	98.6	118.5	123.5	125.8	120.6	113.9	107.7	102.8	96.6	95.9	98.0	98.3
Residual Fuel Oil (2005 dollars per barrel)	32.05	41.42	49.78	51.89	52.84	50.66	47.84	45.23	43.18	40.58	40.28	41.16	41.30
Average	168.6	204.5	232.6	228.3	213.7	203.2	195.0	187.0	182.2	179.5	175.5	175.7	177.2

Table 12. Petroleum Product Prices
(2005 cents per gallon, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Crude Oil Prices (2005 dollars per barrel)															
Imported Low-Sulfur Light Crude Oil 1/ Imported Crude Oil 1/	50.80	51.28	51.95	52.04	52.73	53.43	54.90	55.64	56.37	57.11	57.63	58.12	58.61	59.12	0.2%
	45.22	45.64	46.05	46.47	47.08	47.71	48.33	48.94	49.57	49.97	50.40	50.80	51.21	51.63	0.2%
Delivered Sector Product Prices															
Residential															
Liquefied Petroleum Gases	199.9	199.3	199.0	199.8	199.5	200.7	201.8	202.9	202.8	203.1	203.8	205.0	205.7	206.1	0.9%
Distillate Fuel Oil	176.7	177.9	181.0	182.3	183.9	186.2	185.3	187.4	188.1	189.0	191.4	192.8	195.0	195.9	-0.2%
Commercial															
Distillate Fuel Oil	150.6	152.0	155.7	156.5	158.0	161.1	158.7	161.1	163.4	163.5	166.2	168.9	169.9	171.7	-0.1%
Residual Fuel Oil	98.6	100.3	104.6	105.8	108.4	110.8	108.3	110.4	107.3	109.3	110.7	111.7	108.4	109.4	-0.6%
Residual Fuel Oil (2005 dollars per barrel)	41.40	42.13	43.94	44.44	45.53	46.53	45.49	46.38	45.08	45.89	46.49	46.92	45.51	45.97	-0.6%
Industrial 2/															
Liquefied Petroleum Gases	136.7	136.7	136.7	137.1	136.9	137.8	138.8	140.1	139.8	139.9	140.6	141.5	142.3	142.6	-0.1%
Distillate Fuel Oil	159.7	161.1	165.6	165.3	166.6	170.5	167.1	169.7	173.2	172.7	175.6	179.4	179.3	181.8	0.0%
Residual Fuel Oil	128.1	128.9	131.9	133.4	135.7	137.8	137.0	139.1	138.6	140.5	142.3	142.2	143.8	143.5	0.8%
Residual Fuel Oil (2005 dollars per barrel)	53.80	54.13	55.38	56.04	57.00	57.89	57.52	58.41	58.21	59.00	59.75	59.71	60.40	60.25	0.8%
Transportation															
Liquefied Petroleum Gases	204.7	203.9	203.2	203.9	203.6	204.6	205.7	206.6	206.4	206.6	207.3	208.3	209.1	209.3	0.1%
Ethanol (E85) 3/	190.5	190.2	192.3	192.1	192.2	196.4	195.5	195.4	198.2	196.7	198.7	199.8	199.5	200.4	-0.3%
Ethanol Wholesale Price	168.6	167.5	168.7	168.2	167.5	171.3	170.2	169.0	171.1	169.5	171.3	171.2	170.5	170.2	-0.2%
Motor Gasoline 4/	197.1	198.1	202.3	201.9	203.3	206.9	205.3	207.5	210.2	208.0	209.8	212.7	212.6	215.4	-0.3%
Jet Fuel 5/	136.2	137.8	142.1	141.8	142.9	147.1	145.6	147.3	149.8	149.2	151.6	155.5	155.4	158.6	-0.4%
Diesel Fuel (distillate fuel oil) 6/	206.6	207.7	212.1	211.2	212.2	216.1	212.0	214.3	218.1	217.0	219.6	223.8	222.8	225.7	-0.3%
Residual Fuel Oil	106.6	106.9	107.3	110.2	112.1	114.5	114.9	117.5	118.2	120.3	122.5	121.5	125.4	123.8	1.6%
Residual Fuel Oil (2005 dollars per barrel)	44.78	44.91	45.07	46.27	47.08	48.08	48.26	49.36	49.65	50.53	51.45	51.05	52.69	52.02	1.6%
Electric Power 7/															
Distillate Fuel Oil	130.9	132.2	135.2	136.5	138.1	140.2	139.8	141.7	142.2	143.1	145.4	146.6	149.0	149.6	-0.2%
Residual Fuel Oil	85.9	87.0	89.9	91.0	93.3	96.1	94.6	97.8	98.5	99.3	100.8	101.0	102.5	102.5	-0.1%
Residual Fuel Oil (2005 dollars per barrel)	36.07	36.55	37.77	38.24	39.17	40.35	39.73	41.08	41.37	41.73	42.34	42.42	43.06	43.05	-0.1%
Refined Petroleum Product Prices 8/															
Liquefied Petroleum Gases	151.4	151.4	151.3	151.9	151.7	152.7	153.8	155.0	154.8	155.0	155.8	156.7	157.4	157.7	0.2%
Motor Gasoline 4/	197.1	198.1	202.3	201.8	203.3	206.9	205.3	207.5	210.2	208.0	209.8	212.7	212.6	215.4	-0.3%
Jet Fuel 5/	136.2	137.8	142.1	141.8	142.9	147.1	145.6	147.3	149.8	149.2	151.6	155.5	155.4	158.6	-0.4%
Distillate Fuel Oil	194.2	195.5	199.8	199.4	200.7	204.5	201.0	203.5	207.0	206.3	209.1	213.1	212.7	215.5	-0.2%
Residual Fuel Oil	100.0	100.8	102.8	104.7	106.9	109.4	108.8	111.5	111.9	113.5	115.3	114.9	117.2	116.6	0.7%
Residual Fuel Oil (2005 dollars per barrel)	42.01	42.36	43.16	43.98	44.89	45.95	45.69	46.84	46.99	47.66	48.42	48.26	49.24	48.96	0.7%
Average	178.4	179.5	183.3	183.4	184.8	188.3	186.7	188.9	191.3	190.4	192.5	195.5	195.6	198.1	-0.1%

Table 12. Petroleum Product Prices
(2005 cents per gallon, unless otherwise noted)

1/ Weighted average price delivered to U.S. refiners.

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

3/ 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 is used for this forecast.

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

5/ Includes only kerosene type.

6/ Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.

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

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

Note: Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005 imported low sulfur light crude oil price: Energy Information Administration (EIA), Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

2004 and 2005 imported crude oil price: EIA, Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 prices for motor gasoline, distillate fuel oil, and jet fuel are based on: EIA, Petroleum Marketing Annual 2005, DOE/EIA-0487(2005) (Washington, DC, August 2006). 2004 and 2005 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." 2004 and 2005 electric power prices based on: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." 2004 and 2005 ethanol prices "Monthly Report of Cost and Quality of Fuels for Electric Plants." 2004 and 2005 ethanol prices derived from weekly spot prices in the Oxy Fuel News. 2004 and 2005 wholesale ethanol prices derived from Bloomberg U.S. average rack price. Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 13. Natural Gas Supply, Disposition, and Prices
(trillion cubic feet, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Production													
Dry Gas Production 1/	18.76	18.23	18.57	19.12	19.41	19.41	19.35	19.22	19.45	19.30	19.66	19.60	19.61
Supplemental Natural Gas 2/	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Net Imports													
Pipeline 3/	2.81	3.01	2.74	2.67	2.76	2.82	2.74	2.58	2.62	2.85	2.72	2.63	2.57
Liquefied Natural Gas	0.59	0.57	0.55	0.76	1.11	1.42	1.81	2.26	2.38	2.53	2.59	2.99	3.23
Total Supply	22.22	21.87	21.93	22.62	23.35	23.72	23.97	24.13	24.52	24.75	25.04	25.29	25.48
Consumption by Sector													
Residential	4.87	4.84	4.48	4.88	4.96	4.99	5.03	5.08	5.13	5.15	5.17	5.19	5.22
Commercial	3.13	3.05	2.92	3.02	3.10	3.16	3.22	3.29	3.36	3.43	3.48	3.53	3.58
Industrial 4/	7.22	6.64	6.76	7.15	7.21	7.35	7.63	7.53	7.61	7.62	7.76	7.67	7.71
Natural Gas-to-Liquids Heat and Power 5/	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
Natural Gas to Liquids Production 6/	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
Electric Power 7/	5.48	5.78	5.88	5.90	6.38	6.50	6.38	6.51	6.69	6.83	6.87	7.11	7.18
Transportation 8/	0.03	0.03	0.04	0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.07	0.08	0.08
Pipeline Fuel	0.57	0.56	0.55	0.62	0.63	0.64	0.64	0.65	0.66	0.66	0.67	0.68	0.68
Lease and Plant Fuel 9/	1.10	1.07	1.09	1.07	1.08	1.07	1.07	1.06	1.06	1.05	1.07	1.07	1.07
Total	22.39	21.98	21.72	22.68	23.40	23.77	24.02	24.18	24.57	24.80	25.09	25.32	25.53
Discrepancy 10/	-0.17	-0.11	0.21	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.03	-0.05
Natural Gas Prices													
(2005 dollars per million Btu)													
Henry Hub Spot Price	6.08	8.60	7.07	7.23	7.17	6.60	6.28	5.83	5.66	5.49	5.52	5.46	5.56
Average Lower 48 Wellhead Price 11/	5.63	7.29	6.47	6.45	6.40	5.88	5.59	5.17	5.02	4.87	4.90	4.84	4.94
(2005 dollars per thousand cubic feet)													
Average Lower 48 Wellhead Price 11/	5.80	7.51	6.67	6.65	6.59	6.05	5.76	5.33	5.17	5.01	5.04	4.99	5.09
Delivered Prices													
Residential	11.05	12.80	13.43	12.19	12.09	11.59	11.31	10.91	10.75	10.56	10.60	10.55	10.64
Commercial	9.69	11.54	11.72	10.58	10.46	9.92	9.62	9.19	9.01	8.79	8.81	8.73	8.80
Industrial 4/	6.67	8.41	7.67	7.58	7.51	6.94	6.62	6.20	6.04	5.85	5.86	5.82	5.91
Electric Power 7/	6.27	8.42	7.17	7.32	7.27	6.72	6.40	6.00	5.86	5.66	5.70	5.66	5.76
Transportation 12/	12.28	15.20	12.34	12.65	12.50	12.69	14.38	13.91	13.69	13.44	13.33	13.25	13.28
Average 13/	8.06	9.94	9.41	9.02	8.92	8.37	8.07	7.67	7.51	7.31	7.33	7.28	7.37

Table 13. Natural Gas Supply, Disposition, and Prices
(trillion cubic feet, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Production															
Dry Gas Production 1/	19.74	20.16	20.67	20.79	20.90	20.98	20.91	20.86	20.59	20.47	20.46	20.53	20.57	20.53	0.5%
Supplemental Natural Gas 2/	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.1%
Net Imports															
Pipeline 3/	2.36	2.14	1.88	1.65	1.59	1.44	1.32	1.33	1.20	1.17	1.15	1.09	0.98	0.92	-4.6%
Liquefied Natural Gas	3.37	3.30	3.25	3.69	3.62	3.65	3.80	3.85	4.38	4.37	4.41	4.53	4.54	4.53	8.7%
Total Supply	25.54	25.67	25.88	26.21	26.18	26.15	26.11	26.11	26.24	26.08	26.10	26.21	26.16	26.06	0.7%
Consumption by Sector															
Residential	5.21	5.22	5.24	5.27	5.27	5.28	5.28	5.30	5.29	5.30	5.31	5.32	5.31	5.31	0.4%
Commercial	3.61	3.65	3.70	3.75	3.80	3.85	3.89	3.93	3.98	4.03	4.09	4.14	4.18	4.24	1.3%
Industrial 4/	7.83	7.79	7.83	8.02	8.02	8.03	8.12	8.19	8.42	8.34	8.42	8.63	8.72	8.65	1.1%
Natural Gas-to-Liquids Heat and Power 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Natural Gas to Liquids Production 6/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electric Power 7/	7.10	7.13	7.15	7.19	7.10	7.00	6.84	6.72	6.59	6.46	6.34	6.18	6.00	5.92	0.1%
Transportation 8/	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.12	0.12	0.12	5.7%
Pipeline Fuel	0.68	0.72	0.75	0.76	0.77	0.78	0.78	0.78	0.77	0.77	0.77	0.77	0.77	0.77	1.3%
Lease and Plant Fuel 9/	1.08	1.12	1.16	1.17	1.18	1.17	1.17	1.16	1.14	1.13	1.12	1.12	1.12	1.12	0.2%
Total	25.60	25.73	25.93	26.26	26.24	26.20	26.17	26.17	26.30	26.14	26.16	26.27	26.23	26.12	0.7%
Discrepancy 10/	-0.05	-0.05	-0.05	-0.05	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	N/A
Natural Gas Prices															
(2005 dollars per million Btu)															
Henry Hub Spot Price	5.78	5.68	5.62	5.71	5.71	5.85	5.98	6.15	6.14	6.17	6.25	6.39	6.48	6.52	-1.1%
Average Lower 48 Wellhead Price 11/	5.13	5.05	4.99	5.07	5.07	5.20	5.32	5.47	5.46	5.48	5.56	5.69	5.77	5.80	-0.9%
(2005 dollars per thousand cubic feet)															
Average Lower 48 Wellhead Price 11/	5.28	5.20	5.14	5.22	5.22	5.35	5.48	5.63	5.62	5.65	5.73	5.86	5.94	5.98	-0.9%
Delivered Prices															
Residential	10.87	10.80	10.75	10.86	10.85	10.99	11.16	11.28	11.30	11.35	11.45	11.60	11.71	11.77	-0.3%
Commercial	9.00	8.92	8.85	8.93	8.89	9.01	9.13	9.24	9.23	9.25	9.32	9.45	9.52	9.58	-0.7%
Industrial 4/	6.10	6.05	6.01	6.08	6.06	6.18	6.31	6.43	6.40	6.44	6.52	6.63	6.71	6.76	-0.9%
Electric Power 7/	5.96	5.89	5.84	5.93	5.89	6.01	6.12	6.23	6.22	6.24	6.33	6.43	6.50	6.51	-1.0%
Transportation 12/	13.42	13.34	13.33	13.36	13.34	13.47	13.50	13.59	13.62	13.57	13.64	13.76	13.80	13.86	-0.4%
Average 13/	7.57	7.51	7.46	7.54	7.53	7.66	7.80	7.92	7.91	7.96	8.06	8.18	8.27	8.33	-0.7%

Table 13. Natural Gas Supply, Disposition, and Prices
(trillion cubic feet, unless otherwise noted)

- 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 any natural gas regasified in the Bahamas and transported via pipeline to Florida.
 - 4/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
 - 5/ Includes any natural gas used in the process of converting natural gas to liquid fuel that is not actually converted..
 - 6/ Includes any natural gas that is converted into liquid fuel.
 - 7/ Includes consumption of energy by electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
 - 8/ Compressed natural gas used as vehicle fuel.
 - 9/ Represents natural gas used in well, field, and lease operations, and in natural gas processing plant machinery.
 - 10/ 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, 2004 and 2005 values include net storage injections.
 - 11/ Represents lower 48 onshore and offshore supplies.
 - 12/ Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes and estimated dispensing costs or charges.
 - 13/ Weighted average prices. Weights used are the sectoral consumption values excluding lease, plant, and pipeline fuel.
- N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 supply values; and lease, plant, and pipeline fuel consumption: Energy Information Administration (EIA), Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005). 2005 supply values; and lease, plant, and pipeline fuel consumption; and wellhead price: EIA, Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). Other 2004 and 2005 consumption based on: EIA, Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 wellhead price: Minerals Management Service and EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005). 2004 residential and commercial delivered prices: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005). 2005 residential and commercial delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130 (2006/04) (Washington, DC, April 2006). 2004 and 2005 electric power prices: EIA, Electric Power Monthly, DOE/EIA-0226, May 2005 through April 2006, Table 4.11.A. 2004 and 2005 industrial delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and the Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 transportation sector delivered prices are based on: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and estimated state taxes, federal taxes, and dispensing costs or charges. 2005 transportation sector delivered prices are model results. Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 14. Oil and Gas Supply

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Crude Oil													
Lower 48 Average Wellhead Price 1/ (2005 dollars per barrel)	38.69	50.76	65.79	58.86	55.23	51.84	48.54	45.75	43.31	42.38	41.39	41.71	41.78
Production (million barrels per day) 2/													
United States Total	5.45	5.18	5.10	5.48	5.64	5.68	5.67	5.71	5.76	5.70	5.82	5.91	5.94
Lower 48 Onshore	2.94	2.89	2.90	2.87	2.93	2.93	2.93	2.93	2.92	2.91	2.91	2.91	2.92
Lower 48 Offshore	1.61	1.42	1.49	1.86	1.95	2.02	2.05	2.15	2.25	2.22	2.30	2.35	2.34
Alaska	0.91	0.86	0.71	0.75	0.76	0.73	0.69	0.64	0.59	0.56	0.60	0.65	0.68
Lower 48 End of Year Reserves 2/ (billion barrels)	18.27	16.98	17.34	17.59	19.14	19.41	19.53	19.87	20.19	20.08	20.33	20.46	20.41
Natural Gas													
Prices (2005 dollars per million Btu)													
Henry Hub Spot Price	6.08	8.60	7.07	7.23	7.17	6.60	6.28	5.83	5.66	5.49	5.52	5.46	5.56
Lower 48 Average Wellhead Price 1/	5.63	7.29	6.47	6.45	6.40	5.88	5.59	5.17	5.02	4.87	4.90	4.84	4.94
Prices (2005 dollars per thousand cubic feet)													
Lower 48 Average Wellhead Price 1/	5.80	7.51	6.67	6.65	6.59	6.05	5.76	5.33	5.17	5.01	5.04	4.99	5.09
Dry Production (trillion cubic feet) 3/													
United States Total	18.76	18.23	18.57	19.12	19.41	19.41	19.35	19.22	19.45	19.30	19.66	19.60	19.60
Lower 48 Onshore	14.10	14.36	14.77	15.13	15.38	15.21	15.22	14.97	15.02	14.82	14.90	14.79	14.82
Associated-Dissolved 4/	1.40	1.43	1.43	1.42	1.41	1.40	1.39	1.37	1.36	1.35	1.34	1.32	1.31
Non-Associated	12.69	12.93	13.34	13.71	13.97	13.81	13.83	13.60	13.66	13.47	13.56	13.46	13.51
Conventional	5.19	4.94	5.20	5.37	5.44	5.32	5.27	5.08	5.02	4.89	4.83	4.71	4.64
Unconventional	7.50	7.99	8.14	8.34	8.53	8.49	8.56	8.52	8.64	8.59	8.73	8.75	8.87
Lower 48 Offshore	4.23	3.41	3.45	3.64	3.69	3.93	3.88	4.01	4.19	4.24	4.52	4.56	4.53
Associated-Dissolved 4/	0.88	0.71	0.80	0.74	0.73	0.92	0.92	1.03	1.08	1.10	1.08	1.13	1.14
Non-Associated	3.35	2.69	2.65	2.89	2.97	3.01	2.96	2.98	3.11	3.14	3.43	3.43	3.39
Alaska	0.44	0.45	0.36	0.36	0.33	0.27	0.25	0.24	0.24	0.24	0.24	0.25	0.25
Lower 48 End of Year Dry Reserves (tcf) 3/	184.11	189.91	193.31	198.11	201.20	204.50	205.23	207.48	208.19	208.24	210.30	210.31	209.34
Supplemental Gas Supplies (tcf) 5/	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Total Lower 48 Wells Drilled (thousands)	32.67	41.66	42.91	42.00	41.75	39.42	37.17	34.39	32.70	32.33	31.59	32.01	32.29

Table 14. Oil and Gas Supply

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Crude Oil															
Lower 48 Average Wellhead Price 1/ (2005 dollars per barrel)	42.51	43.17	44.24	44.88	45.54	46.56	46.81	47.75	48.37	48.65	49.50	50.17	50.75	51.25	0.0%
Production (million barrels per day) 2/															
United States Total	5.94	5.93	5.93	5.89	5.87	5.82	5.77	5.65	5.58	5.50	5.46	5.40	5.38	5.39	0.2%
Lower 48 Onshore	2.92	2.93	2.93	2.94	2.94	2.94	2.95	2.95	2.95	2.95	2.95	2.95	2.93	2.92	0.0%
Lower 48 Offshore	2.34	2.28	2.24	2.21	2.24	2.24	2.23	2.17	2.16	2.13	2.13	2.12	2.14	2.20	1.8%
Alaska	0.68	0.72	0.77	0.74	0.69	0.65	0.59	0.52	0.47	0.42	0.37	0.33	0.30	0.27	-4.6%
Lower 48 End of Year Reserves 2/ (billion barrels)	20.39	20.21	20.06	19.98	20.04	20.02	19.99	19.78	19.47	18.93	18.52	17.90	17.81	17.94	0.2%
Natural Gas															
Prices (2005 dollars per million Btu)															
Henry Hub Spot Price	5.78	5.68	5.62	5.71	5.71	5.85	5.98	6.15	6.14	6.17	6.25	6.39	6.48	6.52	-1.1%
Lower 48 Average Wellhead Price 1/	5.13	5.05	4.99	5.07	5.07	5.20	5.32	5.47	5.46	5.48	5.56	5.69	5.77	5.80	-0.9%
Prices (2005 dollars per thousand cubic feet)															
Lower 48 Average Wellhead Price 1/	5.28	5.20	5.14	5.22	5.22	5.35	5.48	5.63	5.62	5.65	5.73	5.86	5.94	5.98	-0.9%
Dry Production (trillion cubic feet) 3/															
United States Total	19.74	20.16	20.67	20.79	20.90	20.98	20.91	20.86	20.59	20.47	20.46	20.53	20.57	20.53	0.5%
Lower 48 Onshore	14.95	14.71	14.58	14.66	14.62	14.75	14.79	14.87	14.84	14.87	14.92	15.04	15.08	15.13	0.2%
Associated-Dissolved 4/	1.30	1.30	1.29	1.28	1.27	1.26	1.25	1.24	1.23	1.22	1.22	1.21	1.20	1.19	-0.8%
Non-Associated	13.65	13.41	13.30	13.38	13.35	13.49	13.54	13.63	13.61	13.64	13.71	13.83	13.88	13.94	0.3%
Conventional	4.61	4.46	4.36	4.30	4.20	4.17	4.11	4.06	3.98	3.92	3.87	3.84	3.79	3.75	-1.1%
Unconventional	9.04	8.95	8.94	9.09	9.14	9.32	9.44	9.57	9.63	9.72	9.84	9.99	10.09	10.19	1.0%
Lower 48 Offshore	4.53	4.39	4.22	4.09	4.07	4.01	3.90	3.79	3.55	3.40	3.34	3.30	3.30	3.25	-0.2%
Associated-Dissolved 4/	1.12	1.11	1.08	1.05	1.02	1.01	1.00	0.98	0.94	0.89	0.87	0.86	0.85	0.85	0.7%
Non-Associated	3.41	3.28	3.14	3.04	3.05	3.00	2.91	2.81	2.61	2.51	2.47	2.44	2.45	2.40	-0.5%
Alaska	0.25	1.06	1.87	2.05	2.22	2.22	2.21	2.21	2.20	2.20	2.20	2.19	2.19	2.16	6.4%
Lower 48 End of Year Dry Reserves (tcf) 3/	209.71	209.39	208.71	208.32	209.38	208.46	207.67	208.24	208.61	208.60	208.96	208.70	209.95	210.60	0.4%
Supplemental Gas Supplies (tcf) 5/	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.1%
Total Lower 48 Wells Drilled (thousands)	33.35	33.28	31.74	31.84	31.90	32.20	32.73	33.07	32.78	32.13	32.12	31.55	31.30	30.65	-1.2%

Table 14. 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 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005 crude oil lower 48 average wellhead price: Energy Information Administration (EIA), Petroleum Marketing Annual 2005, DOE/EIA-0487(2005)

(Washington, DC, August 2006). 2004 and 2005 lower 48 onshore, lower 48 offshore, and Alaska crude oil production: EIA, Petroleum Supply Annual 2005, DOE/EIA-0340(2005)/1

(Washington, DC, October 2006). 2004 U.S. crude oil and natural gas reserves: EIA, U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, DOE/EIA-0216(2004)

(Washington, DC, November 2005). 2004 Alaska and total natural gas production, and supplemental gas supplies: EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington,

DC, December 2005). 2004 natural gas lower 48 average wellhead price: Minerals Management Service and EIA, Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC,

December 2005). 2005 natural gas lower 48 average wellhead price, Alaska and total natural gas production, and supplemental gas supplies: EIA, Natural Gas Monthly,

DOE/EIA-0130(2006/04) (Washington, DC, April 2006). Other 2004 and 2005 values: EIA, Office of Integrated Analysis and Forecasting. Projections: EIA, AEO2007 National

Energy Modeling System run aeo2007.d112106a.

Table 15. Coal Supply, Disposition, and Prices
(million short tons, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Production 1/													
Appalachia	391	397	394	379	377	380	381	378	377	378	375	371	363
Interior	146	149	149	153	154	157	171	178	184	187	192	199	199
West	575	585	605	611	613	622	637	658	664	673	693	697	710
East of the Mississippi	485	494	494	479	481	487	498	500	505	508	509	507	499
West of the Mississippi	627	638	655	664	663	672	691	714	721	729	751	759	773
Total	1112	1131	1149	1143	1145	1159	1189	1214	1225	1237	1260	1266	1272
Waste Coal Supplied 2/													
	11	13	14	16	16	18	13	14	14	13	13	13	13
Net Imports													
Imports 3/	26	29	32	37	37	37	37	37	37	38	40	42	50
Exports	48	50	46	48	46	44	44	44	43	43	41	37	35
Total	-22	-21	-14	-11	-9	-7	-7	-7	-6	-5	-1	5	14
Total Supply 4/													
	1101	1124	1149	1148	1152	1169	1195	1222	1234	1246	1272	1284	1299
Consumption by Sector													
Residential and Commercial	5	5	4	4	5	5	5	5	5	5	5	5	5
Coke Plants	24	23	24	23	22	22	22	22	22	22	21	21	21
Other Industrial 5/	62	61	64	62	63	64	64	64	64	63	63	62	62
Coal-to-Liquids Heat and Power	0	0	0	0	0	0	0	5	6	6	8	8	8
Coal to Liquids Production	0	0	0	0	0	0	0	5	5	5	8	8	8
Electric Power 6/	1016	1039	1043	1058	1061	1079	1104	1121	1132	1145	1168	1178	1195
Total	1107	1128	1135	1147	1152	1169	1195	1222	1233	1245	1272	1282	1299
Discrepancy and Stock Change 7/													
	-6	-5	14	0	0	0	0	0	0	0	0	1	1
Average Minemouth Price 8/													
(2005 dollars per short ton)	20.68	23.34	24.02	24.11	23.93	23.73	24.20	23.54	23.12	22.92	22.63	22.41	22.11
(2005 dollars per million Btu)	1.01	1.15	1.17	1.18	1.17	1.16	1.18	1.16	1.14	1.13	1.12	1.11	1.10
Delivered Prices													
(2005 dollars per short ton) 9/													
Coke Plants	63.36	83.79	89.27	90.44	90.16	87.46	84.86	82.04	79.34	76.50	75.17	74.51	74.22
Other Industrial 5/	40.49	47.63	47.32	48.42	48.52	48.32	48.86	48.02	47.65	47.62	47.61	47.45	47.28
Coal to Liquids	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13.81	13.68	13.73	13.83	13.79	13.86
Electric Power													
(2005 dollars per short ton)	28.12	30.83	33.59	33.84	34.06	33.96	34.17	33.29	32.69	32.32	32.13	31.84	31.65
(2005 dollars per million Btu)	1.40	1.53	1.67	1.69	1.70	1.70	1.71	1.67	1.64	1.62	1.61	1.60	1.59
Average	29.58	32.82	35.55	35.75	35.96	35.76	35.89	34.78	34.12	33.70	33.41	33.10	32.89
Exports 10/	55.75	67.10	67.31	69.48	70.64	69.99	69.35	68.27	66.88	65.55	64.85	64.51	65.42

Table 15. Coal Supply, Disposition, and Prices
(million short tons, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Production 1/															
Appalachia	357	342	343	348	348	348	348	348	351	357	361	365	366	373	-0.3%
Interior	197	200	203	203	207	205	209	212	215	222	226	236	244	247	2.0%
West	724	738	750	772	803	847	875	906	951	984	1004	1027	1049	1072	2.5%
East of the Mississippi	493	479	482	487	488	486	491	493	499	511	520	530	534	545	0.4%
West of the Mississippi	786	801	815	837	869	913	941	973	1018	1051	1071	1098	1124	1146	2.4%
Total	1279	1280	1296	1323	1358	1399	1432	1466	1517	1563	1591	1628	1658	1691	1.6%
Waste Coal Supplied 2/															
	13	13	13	13	13	13	13	13	13	13	13	13	13	13	0.0%
Net Imports															
Imports 3/	57	70	71	72	71	73	74	79	79	79	82	85	91	95	4.9%
Exports	33	31	30	31	31	30	28	26	27	27	27	27	27	27	-2.4%
Total	24	39	41	41	39	43	45	53	52	52	55	58	64	68	N/A
Total Supply 4/															
	1316	1331	1351	1377	1410	1454	1489	1532	1582	1628	1659	1699	1735	1772	1.8%
Consumption by Sector															
Residential and Commercial	5	5	5	5	5	5	5	5	5	5	5	5	5	5	-0.3%
Coke Plants	21	21	21	21	21	21	21	21	21	21	21	21	21	21	-0.5%
Other Industrial 5/	62	62	63	63	63	63	63	63	63	64	64	64	64	64	0.2%
Coal-to-Liquids Heat and Power	9	11	12	13	15	22	23	30	42	49	49	53	55	57	N/A
Coal to Liquids Production	9	10	12	13	14	21	22	29	40	48	48	51	53	55	N/A
Electric Power 6/	1209	1222	1239	1262	1292	1323	1356	1384	1411	1442	1472	1505	1538	1570	1.7%
Total	1315	1331	1350	1377	1409	1454	1489	1532	1582	1628	1659	1699	1735	1772	1.8%
Discrepancy and Stock Change 7/															
	1	1	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Average Minemouth Price 8/															
(2005 dollars per short ton)	21.91	21.54	21.51	21.58	21.63	21.48	21.43	21.48	21.55	21.75	21.97	22.24	22.36	22.60	-0.1%
(2005 dollars per million Btu)	1.09	1.08	1.08	1.08	1.09	1.08	1.08	1.09	1.09	1.10	1.11	1.13	1.13	1.15	0.0%
Delivered Prices															
(2005 dollars per short ton) 9/															
Coke Plants	74.22	74.17	73.77	74.25	74.55	74.57	74.23	73.66	73.93	74.19	74.51	74.89	75.18	75.55	-0.4%
Other Industrial 5/	47.21	47.00	46.71	46.55	46.84	47.05	47.13	47.34	47.60	47.71	47.84	48.21	48.32	48.54	0.1%
Coal to Liquids	14.04	14.19	14.82	15.05	15.70	15.78	15.84	17.74	19.82	20.90	21.00	22.15	21.99	21.89	N/A
Electric Power															
(2005 dollars per short ton)	31.60	31.29	31.33	31.39	31.46	31.60	31.66	31.93	32.20	32.42	32.67	32.97	33.15	33.52	0.3%
(2005 dollars per million Btu)	1.59	1.58	1.58	1.58	1.59	1.60	1.60	1.61	1.63	1.64	1.65	1.67	1.67	1.69	0.4%
Average	32.78	32.43	32.41	32.42	32.46	32.42	32.43	32.58	32.72	32.87	33.10	33.40	33.52	33.82	0.1%
Exports 10/	65.45	64.78	63.78	64.49	64.60	64.03	62.87	61.18	61.66	61.98	62.36	62.85	63.26	63.81	-0.2%

Table 15. Coal Supply, Disposition, and Prices
(million short tons, unless otherwise noted)

- 1/ Includes anthracite, bituminous coal, subbituminous coal, and lignite.
 - 2/ Includes waste coal consumed by the electric power and industrial sectors. Waste coal supplied is counted as a supply-side item to balance the same amount of waste coal included in the consumption data.
 - 3/ Excludes imports to Puerto Rico and the U.S. Virgin Islands.
 - 4/ Production plus waste coal supplied plus net imports.
 - 5/ 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. Excludes all coal in the coal-to-liquids process.
 - 6/ Includes all electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
 - 7/ Balancing item: the sum of production, net imports, and waste coal supplied minus total consumption.
 - 8/ Includes reported prices for both open market and captive mines.
 - 9/ Prices weighted by consumption; weighted average excludes residential and commercial prices, and export free-alongside-ship (f.a.s.) prices.
 - 10/ 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 2004 and 2005 are model results and may differ slightly from official EIA data reports.
- Sources: 2004 and 2005 data based on: Energy Information Administration (EIA), Annual Coal Report 2005, DOE/EIA-0584(2005) (Washington, DC, October 2006); EIA, Quarterly Coal Report, October-December 2005, DOE/EIA-0121(2005/4Q) (Washington, DC, March 2006); and EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.
- Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 16. Renewable Energy Generating Capacity and Generation
(gigawatts, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Electric Power Sector 1/													
Net Summer Capacity													
Conventional Hydropower	79.96	79.97	79.97	79.98	79.99	79.99	79.99	79.99	79.99	79.99	79.99	79.99	80.12
Geothermal 2/	2.17	2.28	2.38	2.45	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.54	2.61
Municipal Waste 3/	3.19	3.23	3.41	3.43	3.43	3.43	3.43	3.43	3.43	3.63	3.76	3.79	3.79
Wood and Other Biomass 4/, 5/	2.04	2.06	2.15	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22
Solar Thermal	0.40	0.40	0.40	0.53	0.54	0.54	0.54	0.55	0.55	0.55	0.56	0.56	0.56
Solar Photovoltaic 6/	0.03	0.03	0.03	0.04	0.05	0.06	0.07	0.09	0.10	0.11	0.12	0.14	0.15
Wind	6.97	9.62	12.24	16.42	16.61	16.80	16.97	17.11	17.26	17.41	17.56	17.70	17.73
Total	94.75	97.59	100.59	105.07	105.30	105.51	105.69	105.85	106.01	106.37	106.67	106.94	107.18
Generation (billion kilowatthours)													
Conventional Hydropower	265.06	261.89	279.78	277.72	284.50	290.97	297.50	302.73	302.76	302.78	302.81	302.83	303.75
Geothermal 2/	14.81	15.12	16.25	16.80	17.26	17.31	17.34	17.34	17.35	17.35	17.35	17.73	18.17
Municipal Waste 3/	19.86	20.56	20.79	21.52	21.56	21.56	21.56	21.56	21.56	23.06	24.12	24.38	24.38
Wood and Other Biomass 5/	9.73	9.92	16.41	26.26	31.18	40.55	43.29	43.37	42.24	42.46	43.25	46.22	46.22
Dedicated Plants	8.54	5.38	10.96	11.59	11.83	11.95	11.11	10.57	10.58	9.86	10.13	10.49	10.30
Cofiring	1.19	4.53	5.45	14.66	19.35	28.60	32.18	32.81	31.67	32.60	33.12	35.74	35.91
Solar Thermal	0.57	0.54	0.70	0.92	1.14	1.15	1.16	1.17	1.18	1.19	1.20	1.22	1.23
Solar Photovoltaic 6/	0.01	0.01	0.07	0.10	0.12	0.15	0.18	0.21	0.23	0.27	0.30	0.34	0.38
Wind	14.14	14.60	28.92	46.21	47.06	47.65	48.26	48.79	49.31	49.83	50.34	50.85	50.94
Total	324.19	322.64	362.93	389.54	402.82	419.34	429.28	435.16	434.62	436.94	439.38	443.57	445.05
End-Use Generators 7/													
Net Summer Capacity													
Conventional Hydropower 8/	0.65	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
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	0.00
Municipal Waste 9/	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Biomass	4.66	4.49	4.59	4.68	4.70	4.72	4.79	4.90	5.04	5.17	5.28	5.38	5.50
Solar Photovoltaic 6/	0.12	0.18	0.23	0.31	0.40	0.50	0.63	0.65	0.66	0.67	0.68	0.69	0.70
Total	5.76	5.63	5.79	5.96	6.07	6.18	6.39	6.51	6.66	6.80	6.92	7.04	7.17
Generation (billion kilowatthours)													
Conventional Hydropower 8/	4.99	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18
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	0.00
Municipal Waste 9/	2.64	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75
Biomass	28.90	27.91	28.52	29.05	29.18	29.29	29.69	30.35	31.16	31.90	32.55	33.15	33.84
Solar Photovoltaic 6/	0.23	0.33	0.45	0.61	0.77	0.95	1.21	1.24	1.26	1.28	1.31	1.33	1.35
Total	36.77	34.18	34.90	35.59	35.88	36.18	36.84	37.53	38.36	39.12	39.79	40.42	41.13

Table 16. Renewable Energy Generating Capacity and Generation
(gigawatts, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Electric Power Sector 1/															
Net Summer Capacity															
Conventional Hydropower	80.12	80.12	80.12	80.12	80.12	80.12	80.12	80.12	80.18	80.18	80.18	80.18	80.18	80.18	0.0%
Geothermal 2/	2.66	2.71	2.79	2.79	2.79	2.87	2.87	2.90	2.95	3.00	3.05	3.10	3.10	3.15	1.3%
Municipal Waste 3/	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.85	3.86	3.86	3.87	0.7%
Wood and Other Biomass 4/, 5/	2.22	2.22	2.28	2.37	2.37	2.55	2.59	2.73	2.89	2.94	3.07	3.26	3.31	3.80	2.5%
Solar Thermal	0.57	0.57	0.58	0.58	0.59	0.59	0.59	0.60	0.60	0.61	0.61	0.62	0.62	0.63	1.8%
Solar Photovoltaic 6/	0.17	0.18	0.20	0.22	0.24	0.25	0.27	0.29	0.31	0.32	0.34	0.36	0.38	0.39	10.6%
Wind	17.78	17.85	17.85	17.85	17.85	17.89	17.89	17.89	17.89	17.89	17.89	17.89	17.92	17.98	2.5%
Total	107.31	107.44	107.60	107.72	107.74	108.06	108.12	108.33	108.62	108.74	108.98	109.26	109.36	110.00	0.5%
Generation (billion kilowatthours)															
Conventional Hydropower	303.77	303.79	303.82	303.85	303.87	303.90	303.93	303.96	304.36	304.39	304.42	304.45	304.48	304.51	0.6%
Geothermal 2/	18.63	19.05	19.59	19.79	19.92	20.30	20.43	20.75	21.05	21.40	21.79	22.18	22.34	22.66	1.6%
Municipal Waste 3/	24.42	24.42	24.42	24.42	24.42	24.42	24.43	24.43	24.43	24.44	24.83	24.88	24.91	24.95	0.8%
Wood and Other Biomass 5/	50.07	50.34	49.45	47.47	46.69	49.19	52.30	56.96	58.01	58.88	59.69	60.94	57.39	58.21	7.3%
Dedicated Plants	10.94	10.50	10.79	11.61	11.69	13.22	13.82	14.97	16.07	16.51	17.28	19.36	19.92	23.80	6.1%
Cofiring	39.14	39.84	38.66	35.86	35.00	35.97	38.48	41.98	41.93	42.37	42.41	41.58	37.47	34.41	8.4%
Solar Thermal	1.24	1.26	1.27	1.28	1.30	1.31	1.33	1.34	1.36	1.37	1.38	1.40	1.41	1.43	4.0%
Solar Photovoltaic 6/	0.41	0.45	0.50	0.54	0.58	0.63	0.67	0.72	0.76	0.81	0.85	0.89	0.94	0.98	22.6%
Wind	51.12	51.35	51.35	51.35	51.35	51.52	51.52	51.52	51.52	51.52	51.52	51.52	51.63	51.85	5.2%
Total	449.67	450.67	450.40	448.71	448.14	451.27	454.61	459.67	461.47	462.80	464.48	466.26	463.11	464.59	1.5%
End-Use Generators 7/															
Net Summer Capacity															
Conventional Hydropower 8/	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.0%
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	0.00	0.00	N/A
Municipal Waste 9/	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.0%
Biomass	5.59	5.67	5.78	5.90	6.02	6.13	6.25	6.37	6.50	6.63	6.78	6.91	7.05	7.19	1.9%
Solar Photovoltaic 6/	0.72	0.73	0.76	0.80	0.84	0.89	0.98	1.10	1.22	1.36	1.59	1.84	2.13	2.52	11.2%
Total	7.27	7.37	7.51	7.66	7.82	7.99	8.20	8.43	8.69	8.97	9.33	9.72	10.15	10.68	2.6%
Generation (billion kilowatthours)															
Conventional Hydropower 8/	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	0.0%
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	0.00	0.00	N/A
Municipal Waste 9/	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	0.0%
Biomass	34.37	34.84	35.47	36.17	36.86	37.53	38.21	38.90	39.67	40.46	41.30	42.09	42.90	43.70	1.8%
Solar Photovoltaic 6/	1.38	1.41	1.46	1.53	1.60	1.69	1.87	2.08	2.32	2.58	3.01	3.49	4.04	4.78	11.2%
Total	41.69	42.18	42.86	43.63	44.40	45.15	46.01	46.91	47.92	48.98	50.24	51.51	52.88	54.41	1.9%

Table 16. Renewable Energy Generating Capacity and Generation
(gigawatts, unless otherwise noted)

1/ Includes electricity-only and combined heat and power 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 municipal solid waste, landfill gas, and municipal sewage sludge. Incremental growth is assumed to be for landfill gas facilities. All municipal solid waste is included, although a portion of the municipal solid waste stream contains petroleum-derived plastics and other non-renewable sources.

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). Based on annual PV shipments from 1989 through 2004, EIA estimates that as much as 167 megawatts of remote electricity generation PV applications (i.e., off-grid power systems) were in service in 2004, plus an additional 447 megawatts in communications, transportation, and assorted other non-grid-connected, specialized applications. See Energy Information Administration, Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006), Table 10.6 (annual PV shipments, 1989-2004). The approach used to develop the estimate, based on shipment data, provides an upper estimate of the size of the PV stock, including both grid-based and off-grid PV. It will overestimate the size of the stock, because shipments include a substantial number of units that are exported, and each year some of the PV units installed earlier will be retired from service or abandoned.

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

9/ Includes municipal solid waste, landfill gas, and municipal sewage sludge. All municipal solid waste is included, although a portion of the municipal solid waste stream contains petroleum-derived plastics and other non-renewable sources.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005 capacity: Energy Information Administration (EIA), Form EIA-860, "Annual Electric Generator Report" (preliminary). 2004 and 2005 generation: EIA, Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 17. Renewable Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Marketed Renewable Energy 2/													
Residential (wood)	0.40	0.41	0.40	0.43	0.43	0.43	0.43	0.42	0.42	0.41	0.41	0.41	0.41
Commercial (biomass)	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Industrial 3/	1.91	1.69	1.89	1.94	2.03	2.19	2.28	2.33	2.36	2.39	2.42	2.45	2.48
Conventional Hydroelectric	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Municipal Waste 4/	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
Biomass	1.64	1.40	1.53	1.54	1.54	1.54	1.55	1.57	1.60	1.62	1.64	1.67	1.69
Biofuels Heat and Coproducts	0.21	0.24	0.32	0.35	0.45	0.61	0.69	0.71	0.72	0.73	0.73	0.74	0.74
Transportation	0.30	0.34	0.46	0.62	0.74	0.87	0.95	0.96	0.98	0.99	0.98	1.01	1.04
Ethanol used in E85 5/	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
Ethanol used in Gasoline Blending	0.29	0.33	0.45	0.51	0.63	0.83	0.91	0.92	0.93	0.94	0.95	0.98	0.99
Biodiesel used in Distillate Blending	0.00	0.00	0.00	0.11	0.11	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.04
Electric Power 6/	3.55	3.64	3.97	4.26	4.40	4.57	4.67	4.73	4.73	4.75	4.78	4.83	4.86
Conventional Hydroelectric	2.66	2.68	2.81	2.79	2.86	2.92	2.99	3.04	3.04	3.04	3.04	3.04	3.05
Geothermal	0.31	0.32	0.34	0.35	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.37	0.39
Municipal Waste 7/	0.27	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.31	0.33	0.33	0.33
Biomass	0.16	0.21	0.23	0.34	0.39	0.49	0.51	0.51	0.51	0.50	0.51	0.55	0.55
Dedicated Plants	0.14	0.09	0.14	0.13	0.13	0.13	0.11	0.11	0.11	0.10	0.10	0.11	0.11
Cofiring	0.02	0.11	0.09	0.20	0.26	0.36	0.40	0.41	0.39	0.40	0.41	0.44	0.44
Solar Thermal	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02
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	0.00
Wind	0.14	0.15	0.30	0.48	0.49	0.49	0.50	0.50	0.51	0.51	0.52	0.52	0.53
Total Marketed Renewable Energy	6.27	6.19	6.83	7.36	7.73	8.19	8.45	8.56	8.61	8.66	8.71	8.82	8.90
Sources of Ethanol													
From Corn	0.28	0.33	0.42	0.47	0.59	0.79	0.87	0.89	0.90	0.91	0.92	0.93	0.93
From Cellulose	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02
Imports	0.01	0.01	0.03	0.04	0.04	0.04	0.02	0.01	0.01	0.02	0.02	0.03	0.04
Total	0.29	0.33	0.45	0.51	0.63	0.83	0.91	0.92	0.94	0.95	0.95	0.98	0.99
Nonmarketed Renewable Energy													
Selected Consumption 8/													
Residential	0.03	0.03	0.03	0.03	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	0.04	0.04	0.04	0.04	0.04	0.04
Geothermal Heat Pumps	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
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	0.00
Commercial	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
Solar Thermal	0.02	0.02	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	0.00	0.00	0.00	0.00

Table 17. Renewable Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Marketed Renewable Energy 2/															
Residential (wood)	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.39	0.39	0.39	0.39	-0.2%
Commercial (biomass)	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.0%
Industrial 3/	2.50	2.53	2.56	2.59	2.63	2.66	2.68	2.72	2.76	2.79	2.83	2.86	2.89	2.93	2.2%
Conventional Hydroelectric	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	N/A
Municipal Waste 4/	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	N/A
Biomass	1.71	1.73	1.75	1.77	1.79	1.81	1.83	1.85	1.88	1.91	1.93	1.96	1.98	2.01	1.4%
Biofuels Heat and Coproducts	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88	5.2%
Transportation	1.05	1.07	1.09	1.10	1.12	1.14	1.15	1.17	1.19	1.21	1.22	1.24	1.25	1.27	5.5%
Ethanol used in E85 5/	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	11.8%
Ethanol used in Gasoline Blending	1.00	1.02	1.04	1.05	1.07	1.09	1.10	1.11	1.14	1.15	1.16	1.17	1.19	1.20	5.3%
Biodiesel used in Distillate Blending	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	N/A
Electric Power 6/	4.93	4.94	4.95	4.93	4.93	4.97	5.02	5.07	5.09	5.11	5.14	5.17	5.14	5.15	1.4%
Conventional Hydroelectric	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.06	3.06	3.06	3.06	3.06	3.06	0.5%
Geothermal	0.40	0.41	0.43	0.44	0.44	0.45	0.46	0.47	0.48	0.49	0.50	0.51	0.52	0.53	2.1%
Municipal Waste 7/	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.8%
Biomass	0.60	0.60	0.59	0.56	0.55	0.59	0.62	0.67	0.68	0.68	0.69	0.71	0.67	0.67	4.8%
Dedicated Plants	0.11	0.11	0.11	0.12	0.12	0.14	0.15	0.16	0.17	0.18	0.19	0.21	0.22	0.26	4.1%
Cofiring	0.48	0.49	0.48	0.44	0.43	0.44	0.47	0.51	0.50	0.51	0.51	0.50	0.45	0.41	5.2%
Solar Thermal	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	6.2%
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	0.00	0.00	N/A
Wind	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	5.2%
Total Marketed Renewable Energy	9.00	9.06	9.12	9.15	9.20	9.30	9.37	9.48	9.56	9.63	9.71	9.77	9.79	9.86	1.9%
Sources of Ethanol															
From Corn	0.94	0.96	0.97	0.99	1.01	1.02	1.03	1.05	1.07	1.08	1.09	1.10	1.12	1.13	5.1%
From Cellulose	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	N/A
Imports	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	8.4%
Total	1.01	1.02	1.04	1.06	1.08	1.10	1.11	1.12	1.15	1.16	1.18	1.19	1.20	1.22	5.3%
Nonmarketed Renewable Energy															
 Selected Consumption 8/															
Residential	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	4.0%
Solar Hot Water Heating	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	3.5%
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	0.02	0.02	0.02	6.8%
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	0.00	0.00	11.1%
Commercial	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	2.1%
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	0.03	0.03	0.6%
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	11.3%

Table 17. Renewable Energy Consumption by Sector and Source
(quadrillion Btu, unless otherwise noted)

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 2.

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

4/ Includes municipal solid waste, landfill gas, and municipal sewage sludge. All municipal solid waste is included, although a portion of the municipal solid waste stream contains petroleum-derived plastics and other non-renewable sources.

5/ Excludes motor gasoline component of E85.

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

7/ Includes municipal solid waste, landfill gas, and municipal sewage sludge. Incremental growth is assumed to be for landfill gas facilities. All municipal solid waste is included, although a portion of the municipal solid waste stream contains petroleum-derived plastics and other non-renewable sources.

8/ 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 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005 ethanol: Energy Information Administration (EIA), Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 electric power sector: EIA, Form EIA-860, "Annual Electric Generator Report" (preliminary). Other 2004 and 2005 values: EIA, Office of Integrated Analysis and Forecasting. Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 18. Carbon Dioxide Emissions by Sector and Source
(million metric tons carbon dioxide equivalent, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Residential													
Petroleum	106	105	106	106	105	105	105	106	107	107	107	107	107
Natural Gas	265	262	243	265	270	271	274	276	279	280	281	282	284
Coal	1	1	1	1	1	1	1	1	1	1	1	1	1
Electricity 1/	842	886	884	890	903	919	940	953	965	976	992	1002	1016
Total	1214	1254	1235	1262	1279	1297	1320	1336	1352	1364	1381	1392	1407
Commercial													
Petroleum	54	55	54	53	53	54	54	55	56	57	57	57	57
Natural Gas	170	166	159	164	169	172	175	179	183	186	189	192	195
Coal	10	8	8	9	9	9	9	9	9	9	9	9	9
Electricity 1/	800	822	817	828	847	866	886	904	919	938	960	975	991
Total	1034	1051	1038	1054	1078	1101	1124	1147	1167	1191	1215	1233	1252
Industrial 2/													
Petroleum	437	431	435	416	417	415	406	415	414	418	412	419	421
Natural Gas 3/	435	400	420	440	444	451	466	460	465	465	473	468	471
Coal	201	189	194	186	187	187	186	192	192	192	194	194	193
Electricity 1/	663	663	651	662	662	666	674	677	681	685	692	694	698
Total	1736	1682	1701	1703	1710	1719	1732	1744	1752	1759	1772	1775	1783
Transportation													
Petroleum 4/	1902	1922	1930	1940	1951	1965	1994	2025	2053	2083	2113	2142	2172
Natural Gas 5/	32	32	32	36	37	38	38	39	39	40	40	41	41
Electricity 1/	5	5	5	5	5	5	5	5	5	6	6	6	6
Total	1939	1958	1967	1980	1993	2008	2037	2069	2098	2128	2159	2189	2220
Electric Power 6/													
Petroleum	98	100	59	65	66	67	69	70	73	77	78	75	75
Natural Gas	296	319	319	320	346	353	346	353	363	370	372	385	390
Coal	1904	1944	1967	1987	1992	2024	2078	2103	2123	2145	2185	2203	2232
Other 7/	11	12	12	12	12	12	12	12	12	13	14	14	14
Total	2309	2375	2357	2385	2416	2456	2505	2539	2571	2605	2649	2677	2710
Total by Fuel													
Petroleum 3/	2598	2614	2584	2579	2593	2606	2629	2670	2703	2741	2767	2799	2833
Natural Gas	1198	1178	1174	1225	1265	1285	1298	1307	1329	1341	1357	1369	1380
Coal	2115	2142	2171	2183	2189	2221	2275	2306	2326	2347	2390	2407	2435
Other 6/	11	12	12	12	12	12	12	12	12	13	14	14	14
Total	5923	5945	5940	5999	6059	6124	6214	6296	6369	6442	6527	6589	6662
Carbon Dioxide Emissions (tons per person)	20.1	20.0	19.8	19.8	19.9	19.9	20.0	20.1	20.2	20.2	20.3	20.4	20.4

Table 18. Carbon Dioxide Emissions by Sector and Source
(million metric tons carbon dioxide equivalent, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Residential															
Petroleum	106	106	105	105	104	103	103	103	102	102	101	101	100	100	-0.2%
Natural Gas	283	284	285	287	287	287	287	288	288	288	289	289	289	289	0.4%
Coal	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-0.2%
Electricity 1/	1023	1033	1045	1064	1078	1095	1113	1131	1143	1159	1175	1193	1207	1225	1.3%
Total	1413	1423	1436	1456	1469	1486	1504	1523	1534	1550	1566	1584	1596	1614	1.0%
Commercial															
Petroleum	57	57	57	57	57	57	58	58	58	58	58	58	59	59	0.2%
Natural Gas	196	199	201	204	207	209	211	214	216	219	222	225	228	230	1.3%
Coal	9	9	9	9	9	9	9	9	9	9	9	9	9	9	0.6%
Electricity 1/	1006	1021	1037	1059	1084	1109	1136	1161	1185	1212	1240	1268	1299	1332	1.9%
Total	1269	1286	1305	1330	1357	1385	1415	1441	1469	1499	1530	1561	1594	1630	1.8%
Industrial 2/															
Petroleum	416	421	425	423	429	435	435	437	433	443	447	443	445	457	0.2%
Natural Gas 3/	478	478	482	493	493	494	498	501	513	508	512	524	529	524	1.1%
Coal	194	196	197	199	201	211	213	225	243	257	257	264	266	269	1.4%
Electricity 1/	697	695	698	702	709	716	722	727	734	742	750	757	765	774	0.6%
Total	1784	1789	1803	1817	1833	1856	1868	1891	1924	1950	1967	1988	2005	2024	0.7%
Transportation															
Petroleum 4/	2201	2229	2258	2288	2318	2347	2378	2410	2443	2480	2516	2552	2589	2626	1.3%
Natural Gas 5/	42	44	46	47	47	48	48	48	48	48	48	48	48	48	1.7%
Electricity 1/	6	6	6	6	6	6	7	7	7	7	7	7	7	7	1.8%
Total	2249	2279	2310	2341	2371	2401	2433	2465	2498	2535	2571	2608	2645	2682	1.3%
Electric Power 6/															
Petroleum	75	74	74	74	74	74	75	76	76	76	76	78	77	77	-1.1%
Natural Gas	385	387	388	390	385	379	371	364	357	350	344	335	325	321	0.0%
Coal	2259	2279	2311	2354	2404	2459	2518	2572	2623	2680	2739	2800	2861	2927	1.6%
Other 7/	14	14	14	14	14	14	14	14	14	14	14	14	14	14	0.8%
Total	2732	2754	2786	2832	2877	2926	2978	3026	3070	3120	3173	3226	3277	3338	1.4%
Total by Fuel															
Petroleum 3/	2855	2887	2920	2947	2982	3017	3050	3084	3112	3158	3199	3232	3270	3318	1.0%
Natural Gas	1384	1391	1403	1420	1419	1417	1415	1415	1422	1414	1415	1421	1418	1412	0.7%
Coal	2463	2485	2518	2563	2616	2680	2742	2808	2877	2947	3007	3074	3137	3206	1.6%
Other 6/	14	14	14	14	14	14	14	14	14	14	14	14	14	14	0.8%
Total	6716	6777	6854	6944	7030	7128	7220	7320	7425	7533	7634	7741	7840	7950	1.2%
Carbon Dioxide Emissions (tons per person)	20.4	20.4	20.5	20.6	20.7	20.8	20.9	21.0	21.2	21.3	21.4	21.5	21.7	21.8	0.3%

Table 18. Carbon Dioxide Emissions by Sector and Source
(million metric tons carbon dioxide equivalent, unless otherwise noted)

1/ Emissions from the electric power sector are distributed to the end-use sectors.

2/ 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.

3/ Includes lease and plant fuel.

4/ This includes carbon dioxide from international bunker fuels, both civilian and military, which are excluded from the accounting of carbon dioxide emissions under the United Nations convention. From 1990 through 2004, international bunker fuels accounted for 83 to 115 million metric tons annually.

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

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

7/ Includes emissions from geothermal power and nonbiogenic emissions from municipal solid waste.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005 emissions and emission factors: Energy Information Administration (EIA), Emissions of Greenhouse Gases in the United States 2005, DOE/EIA-0573(2005) (Washington, DC, November 2006). Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 19. Macroeconomic Indicators
(billion 200 chain-weighted dollars, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Real Gross Domestic Product	10704	11049	11415	11696	12052	12419	12790	13175	13530	13895	14290	14698	15139
Components of Real Gross Domestic Product													
Real Consumption	7577	7841	8083	8294	8549	8819	9111	9392	9641	9890	10151	10423	10711
Real Investment	1771	1866	1966	1968	2010	2074	2139	2224	2270	2323	2399	2478	2567
Real Government Spending	1941	1958	1997	2031	2065	2095	2117	2139	2163	2189	2215	2242	2271
Real Exports	1120	1196	1299	1410	1526	1648	1767	1901	2049	2207	2373	2543	2738
Real Imports	1711	1815	1928	2002	2087	2200	2321	2450	2554	2662	2784	2911	3051
Energy Intensity (thousand Btu per 2000 dollar of GDP)													
Delivered Energy	6.91	6.60	6.42	6.37	6.26	6.15	6.06	5.95	5.86	5.77	5.67	5.56	5.45
Total Energy	9.41	9.07	8.83	8.75	8.61	8.46	8.33	8.18	8.05	7.92	7.78	7.64	7.50
Price Indices													
GDP Chain-type Price Index (2000=1.000)	1.094	1.127	1.162	1.188	1.210	1.231	1.253	1.276	1.299	1.321	1.343	1.366	1.390
Consumer Price Index (1982-84=1.00)													
All-urban	1.89	1.95	2.02	2.07	2.10	2.13	2.16	2.20	2.24	2.28	2.32	2.36	2.41
Energy Commodities and Services	1.51	1.77	2.03	2.04	1.99	1.95	1.93	1.90	1.90	1.91	1.92	1.94	1.99
Wholesale Price Index (1982=1.00)													
All Commodities	1.47	1.57	1.66	1.69	1.70	1.69	1.68	1.68	1.68	1.69	1.70	1.72	1.74
Fuel and Power	1.27	1.57	1.72	1.73	1.72	1.67	1.64	1.60	1.59	1.59	1.60	1.62	1.67
Interest Rates (percent, nominal)													
Federal Funds Rate	1.35	3.21	5.01	5.04	4.57	4.69	4.71	4.72	4.78	4.84	4.88	4.93	4.94
10-Year Treasury Note	4.27	4.29	4.98	5.08	5.23	5.45	5.52	5.55	5.60	5.61	5.63	5.66	5.67
AA Utility Bond Rate	6.04	5.44	6.14	6.52	6.85	7.24	7.36	7.45	7.60	7.61	7.61	7.64	7.54
Value of Shipments (billion 2000 dollars)													
Total Industrial	5651	5763	5899	5988	6076	6178	6298	6441	6586	6735	6876	7033	7200
Nonmanufacturing	1494	1538	1557	1547	1558	1570	1596	1612	1629	1652	1674	1701	1734
Manufacturing	4157	4225	4342	4441	4518	4607	4702	4828	4957	5083	5201	5332	5467
Energy Intensive	1161	1160	1186	1220	1236	1248	1262	1278	1297	1315	1330	1347	1364
Non-energy Intensive	2996	3065	3156	3221	3282	3359	3440	3550	3660	3768	3871	3985	4103
Population and Employment (millions)													
Population, with Armed Forces Overseas	294.2	296.9	299.6	302.3	304.9	307.6	310.3	312.9	315.6	318.3	321.0	323.7	326.4
Population, aged 16 and over	229.2	231.8	234.5	237.1	239.6	242.0	244.2	246.4	248.6	250.6	252.6	254.7	256.7
Population, over age 65	36.4	36.8	37.3	38.0	38.8	39.6	40.4	41.4	42.8	44.2	45.6	47.0	48.4
Employment, Nonfarm	131.4	133.4	135.4	136.7	138.6	140.4	141.9	143.3	144.3	145.1	146.0	147.0	148.1
Employment, Manufacturing	14.3	14.2	14.2	14.2	14.1	13.9	13.8	13.8	13.8	13.7	13.7	13.7	13.7
Key Labor Indicators													
Labor Force (millions)	147.4	149.3	151.3	153.1	154.5	156.0	157.5	158.9	160.0	160.8	161.6	162.2	162.9
Nonfarm Labor Productivity (1992=1.00)	1.32	1.36	1.39	1.41	1.44	1.47	1.50	1.53	1.57	1.61	1.65	1.69	1.74
Unemployment Rate (percent)	5.52	5.06	4.72	4.90	4.94	4.85	4.83	4.79	4.85	4.95	4.99	4.98	4.89
Key Indicators for Energy Demand													
Real Disposable Personal Income	8011	8105	8279	8575	8920	9248	9568	9861	10146	10427	10740	11077	11422
Housing Starts (millions)	2.08	2.22	2.03	1.91	1.93	1.92	1.94	1.94	1.90	1.88	1.88	1.91	1.92
Commercial Floorspace (billion square feet)	73.0	74.3	75.6	76.8	78.0	79.2	80.4	81.6	82.8	84.1	85.3	86.5	87.8
Unit Sales of Light-Duty Vehicles (millions)	16.87	16.95	16.60	16.44	16.63	16.76	17.14	17.63	17.77	17.93	18.02	18.05	18.07

Table 19. Macroeconomic Indicators
(billion 200 chain-weighted dollars, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Real Gross Domestic Product	15611	16072	16560	17077	17584	18082	18590	19119	19666	20225	20785	21338	21909	22494	2.9%
Components of Real Gross Domestic Product															
Real Consumption	11024	11343	11668	12006	12349	12686	13028	13377	13731	14093	14464	14836	15211	15590	2.8%
Real Investment	2663	2769	2889	3030	3160	3291	3432	3592	3773	3963	4147	4318	4516	4735	3.8%
Real Government Spending	2301	2331	2361	2396	2423	2452	2480	2510	2541	2573	2606	2639	2675	2709	1.3%
Real Exports	2950	3146	3357	3584	3822	4069	4330	4604	4894	5200	5521	5859	6212	6581	7.1%
Real Imports	3213	3385	3561	3761	3968	4190	4429	4686	4963	5261	5579	5910	6267	6649	5.3%
Energy Intensity (thousand Btu per 2000 dollar of GDP)															
Delivered Energy	5.33	5.23	5.13	5.04	4.94	4.86	4.77	4.69	4.62	4.54	4.47	4.41	4.34	4.27	-1.7%
Total Energy	7.33	7.19	7.06	6.92	6.78	6.67	6.55	6.44	6.33	6.22	6.12	6.03	5.93	5.83	-1.8%
Price Indices															
GDP Chain-type Price Index (2000=1.000)	1.415	1.441	1.468	1.495	1.523	1.553	1.584	1.616	1.648	1.680	1.713	1.746	1.780	1.815	1.9%
Consumer Price Index (1982-84=1.00)															
All-urban	2.46	2.50	2.56	2.61	2.66	2.72	2.78	2.84	2.90	2.96	3.03	3.09	3.16	3.23	2.0%
Energy Commodities and Services	2.04	2.09	2.15	2.19	2.24	2.31	2.35	2.42	2.48	2.52	2.59	2.67	2.72	2.80	1.8%
Wholesale Price Index (1982=1.00)															
All Commodities	1.76	1.78	1.80	1.82	1.84	1.86	1.89	1.91	1.94	1.96	1.98	2.01	2.03	2.06	1.1%
Fuel and Power	1.72	1.76	1.80	1.84	1.88	1.94	1.99	2.06	2.11	2.15	2.21	2.28	2.34	2.39	1.7%
Interest Rates (percent, nominal)															
Federal Funds Rate	5.11	5.14	5.14	5.11	5.10	5.11	5.04	5.06	5.07	5.04	5.08	5.12	5.11	5.14	N/A
10-Year Treasury Note	5.67	5.71	5.75	5.75	5.75	5.78	5.74	5.76	5.78	5.75	5.77	5.80	5.78	5.80	N/A
AA Utility Bond Rate	7.61	7.67	7.71	7.72	7.76	7.80	7.76	7.77	7.78	7.74	7.76	7.79	7.76	7.77	N/A
Value of Shipments (billion 2000 dollars)															
Total Industrial	7331	7466	7617	7779	7935	8094	8236	8395	8585	8779	8968	9139	9312	9502	2.0%
Nonmanufacturing	1760	1788	1817	1846	1867	1883	1896	1915	1940	1965	1984	1990	2003	2023	1.1%
Manufacturing	5571	5678	5801	5933	6067	6211	6340	6481	6645	6814	6984	7149	7308	7478	2.3%
Energy Intensive	1375	1388	1406	1426	1446	1466	1481	1501	1522	1544	1567	1588	1609	1631	1.4%
Non-energy Intensive	4196	4290	4394	4507	4621	4745	4859	4980	5123	5270	5417	5560	5700	5848	2.6%
Population and Employment (millions)															
Population, with Armed Forces Overseas	329.1	331.8	334.5	337.1	339.8	342.5	345.3	348.0	350.8	353.6	356.4	359.2	362.1	364.9	0.8%
Population, aged 16 and over	258.9	261.1	263.2	265.4	267.6	269.8	272.1	274.3	276.7	279.0	281.4	283.8	286.2	288.6	0.9%
Population, over age 65	49.9	51.5	53.2	54.9	56.6	58.4	60.2	61.9	63.8	65.5	67.1	68.7	70.2	71.6	2.7%
Employment, Nonfarm	149.6	151.1	152.8	154.6	156.4	158.0	159.5	160.9	162.3	163.7	165.2	166.6	167.9	169.2	1.0%
Employment, Manufacturing	13.6	13.5	13.5	13.4	13.3	13.2	13.2	13.1	13.0	12.9	12.8	12.7	12.6	12.5	-0.5%
Key Labor Indicators															
Labor Force (millions)	163.8	164.9	165.9	167.0	168.0	169.2	170.3	171.5	172.7	174.0	175.4	177.0	178.6	180.4	0.8%
Nonfarm Labor Productivity (1992=1.00)	1.78	1.82	1.86	1.90	1.95	1.99	2.04	2.09	2.15	2.20	2.25	2.31	2.36	2.42	2.3%
Unemployment Rate (percent)	4.75	4.66	4.57	4.46	4.40	4.40	4.44	4.49	4.55	4.59	4.61	4.65	4.68	4.71	N/A
Key Indicators for Energy Demand															
Real Disposable Personal Income	11786	12174	12570	13000	13431	13853	14285	14720	15172	15640	16109	16585	17067	17535	3.1%
Housing Starts (millions)	1.91	1.91	1.90	1.90	1.88	1.85	1.83	1.83	1.85	1.86	1.85	1.81	1.80	1.80	-0.8%
Commercial Floorspace (billion square feet)	89.0	90.3	91.6	92.9	94.3	95.7	97.1	98.6	100.1	101.7	103.2	104.8	106.4	108.0	1.5%
Unit Sales of Light-Duty Vehicles (millions)	18.21	18.33	18.68	19.04	19.26	19.41	19.59	19.80	20.01	20.30	20.52	20.69	20.88	21.10	0.9%

Table 19. Macroeconomic Indicators
(billion 200 chain-weighted dollars, unless otherwise noted)

GDP = Gross domestic product.

Btu = British thermal unit.

N/A = Not applicable.

Sources: 2004 and 2005: Global Insight macroeconomic model CTL0806 and Global Insight industry model, July 2005.

Projections: Energy Information Administration, AEO2007 National Energy Modeling System run aeo2007.d112106a.

Table 20. International Petroleum Supply and Disposition Summary
(million barrels per day, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Crude Oil Prices (2005 dollars per barrel) 1/													
Imported Low Sulfur Light Crude Oil	42.87	56.76	69.11	66.71	64.09	60.91	57.47	54.33	51.71	49.99	49.64	49.87	49.75
Imported Crude Oil	37.09	49.19	61.75	59.49	57.23	54.21	51.20	48.48	46.22	45.01	44.41	44.61	44.81
Conventional Production 2/													
OPEC 3/													
Asia	1.18	1.17	1.14	1.11	1.11	1.11	1.11	1.11	1.10	1.10	1.10	1.10	1.10
Middle East	22.60	22.96	22.77	22.57	22.21	21.89	22.23	22.58	22.96	23.31	23.53	24.03	24.49
North Africa	3.55	3.78	3.85	3.87	3.99	4.14	4.29	4.38	4.47	4.56	4.53	4.51	4.47
West Africa	2.47	2.78	2.61	2.67	2.76	2.89	3.07	3.32	3.46	3.63	3.74	3.81	3.89
South America	2.75	2.71	2.72	2.73	2.68	2.63	2.59	2.55	2.51	2.48	2.45	2.42	2.39
Total OPEC	32.55	33.41	33.09	32.95	32.74	32.66	33.30	33.93	34.51	35.08	35.36	35.87	36.33
Non-OPEC													
OECD													
United States (50 states)	8.46	8.03	7.96	8.59	8.91	9.09	8.98	9.11	9.18	9.15	9.26	9.45	9.51
Canada	2.12	2.12	2.02	1.94	1.93	1.91	1.93	1.94	1.96	1.99	2.01	2.01	2.01
Mexico	3.85	3.78	3.79	3.58	3.31	3.27	3.15	3.05	2.95	2.97	2.98	3.01	3.04
OECD Europe 4/	6.39	5.96	5.83	5.89	5.93	5.87	5.73	5.60	5.42	5.25	5.09	4.91	4.76
Japan	0.12	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Australia and New Zealand	0.58	0.60	0.54	0.54	0.55	0.55	0.56	0.54	0.53	0.52	0.52	0.51	0.51
Total OECD	21.53	20.59	20.24	20.64	20.72	20.79	20.45	20.34	20.14	19.98	19.96	20.00	19.93
Non-OECD													
Russia	9.27	9.51	9.58	9.78	9.88	9.93	9.98	10.03	10.09	10.14	10.20	10.30	10.40
Other Eurasia 5/	2.21	2.48	2.81	3.17	3.63	3.83	3.98	4.18	4.36	4.56	4.77	4.91	5.00
China	3.64	3.74	3.83	3.73	3.74	3.63	3.53	3.36	3.32	3.28	3.24	3.20	3.22
Other Asia 6/	2.80	2.53	2.48	2.39	2.37	2.33	2.29	2.36	2.36	2.36	2.50	2.50	2.52
Middle East 7/	1.68	1.67	1.69	1.73	1.86	1.99	2.00	2.04	2.08	2.12	2.16	2.20	2.24
Africa	3.40	3.59	3.75	4.06	4.29	4.84	5.19	5.39	5.68	6.00	6.23	6.45	6.67
Brazil	1.58	1.76	1.83	2.10	2.20	2.30	2.39	2.49	2.60	2.70	2.82	2.90	2.96
Other South and Central America	2.35	2.31	2.31	2.30	2.30	2.30	2.32	2.37	2.42	2.47	2.50	2.54	2.56
Total Non-OECD	26.94	27.59	28.28	29.27	30.26	31.14	31.67	32.22	32.91	33.64	34.42	35.00	35.57
Total Conventional Production	81.01	81.59	81.61	82.86	83.73	84.58	85.42	86.50	87.56	88.69	89.74	90.86	91.82
Unconventional Production 8/													
United States (50 states)	0.22	0.25	0.33	0.42	0.52	0.64	0.71	0.77	0.78	0.79	0.81	0.81	0.82
Other North America	1.09	1.09	1.23	1.38	1.52	1.67	1.91	1.99	2.08	2.16	2.24	2.32	2.40
OECD Europe 4/	0.04	0.08	0.09	0.11	0.12	0.14	0.15	0.16	0.16	0.17	0.17	0.18	0.18
Middle East 7/	0.08	0.02	0.13	0.24	0.35	0.46	0.57	0.58	0.60	0.61	0.63	0.64	0.66
Africa	0.16	0.16	0.18	0.20	0.22	0.30	0.32	0.34	0.36	0.38	0.40	0.42	0.44
Central and South America	0.83	0.93	0.94	0.97	1.06	1.20	1.35	1.43	1.48	1.52	1.56	1.59	1.63
Other	0.02	0.28	0.35	0.42	0.48	0.55	0.62	0.66	0.70	0.74	0.77	0.81	0.83
Total Unconventional Production	2.44	2.80	3.25	3.74	4.28	4.96	5.63	5.92	6.16	6.37	6.58	6.78	6.98
Total Production	83.45	84.39	84.86	86.60	88.01	89.54	91.05	92.42	93.72	95.06	96.33	97.64	98.80
Consumption 9/													
OECD													
United States (50 states)	20.76	20.75	20.67	20.94	21.15	21.38	21.59	21.89	22.13	22.40	22.60	22.85	23.11
United States Territories	0.37	0.38	0.38	0.39	0.40	0.41	0.43	0.43	0.44	0.45	0.46	0.47	0.48
Canada	2.32	2.28	2.28	2.31	2.35	2.38	2.42	2.44	2.47	2.49	2.52	2.54	2.53
Mexico	2.00	2.09	2.09	2.12	2.15	2.18	2.22	2.27	2.32	2.37	2.42	2.47	2.51
OECD Europe 4/	15.86	15.73	15.54	15.60	15.67	15.75	15.82	15.84	15.85	15.86	15.88	15.89	15.86
Japan	5.43	5.58	5.47	5.46	5.44	5.43	5.42	5.43	5.44	5.45	5.46	5.48	5.47

Table 20. International Petroleum Supply and Disposition Summary
(million barrels per day, unless otherwise noted)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
South Korea	2.18	2.30	2.33	2.39	2.45	2.51	2.58	2.63	2.69	2.74	2.80	2.85	2.89
Australia and New Zealand	1.04	1.05	1.04	1.05	1.06	1.07	1.08	1.08	1.09	1.09	1.09	1.10	1.10
Total OECD	49.95	50.16	49.80	50.27	50.68	51.12	51.54	52.01	52.42	52.86	53.23	53.65	53.96
Non-OECD													
Russia	2.81	2.75	2.73	2.76	2.79	2.82	2.85	2.89	2.93	2.97	3.01	3.05	3.07
Other Non-OECD Eurasia 5/	2.03	2.33	2.36	2.43	2.50	2.57	2.63	2.70	2.76	2.82	2.88	2.95	2.99
China	6.49	6.86	7.35	7.86	8.07	8.38	8.70	8.94	9.20	9.47	9.73	9.99	10.33
India	2.48	2.52	2.57	2.66	2.75	2.84	2.94	3.01	3.09	3.17	3.25	3.32	3.39
Other Non-OECD Asia	6.03	6.02	6.11	6.30	6.50	6.69	6.89	7.05	7.21	7.37	7.54	7.70	7.86
Middle East 7/	5.74	5.56	5.58	5.70	5.82	5.94	6.06	6.17	6.27	6.38	6.49	6.60	6.68
Africa	2.83	3.01	3.11	3.25	3.40	3.55	3.70	3.77	3.84	3.91	3.98	4.05	4.10
Brazil	2.17	2.20	2.21	2.26	2.30	2.35	2.39	2.44	2.49	2.54	2.58	2.63	2.67
Other Central and South America	2.94	2.99	3.03	3.11	3.19	3.28	3.36	3.43	3.50	3.57	3.64	3.71	3.77
Total Non-OECD	33.50	34.23	35.06	36.33	37.32	38.42	39.52	40.40	41.30	42.20	43.10	44.00	44.84
Total Consumption	83.45	84.39	84.86	86.59	88.01	89.54	91.05	92.42	93.72	95.06	96.32	97.64	98.80
OPEC Production 10/	33.20	34.04	33.82	33.79	33.74	33.86	34.72	35.41	36.03	36.63	36.93	37.47	37.98
Non-OPEC Production 10/	50.25	50.35	51.04	52.81	54.26	55.68	56.34	57.01	57.69	58.44	59.40	60.18	60.82
Net Eurasia Exports	8.24	8.67	9.13	9.86	10.42	10.68	10.87	11.11	11.35	11.61	11.89	12.10	12.30
OPEC Market Share (percent)	39.8	40.3	39.9	39.0	38.3	37.8	38.1	38.3	38.4	38.5	38.3	38.4	38.4

Table 20. International Petroleum Supply and Disposition Summary
(million barrels per day, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Crude Oil Prices (2005 dollars per barrel) 1/															
Imported Low Sulfur Light Crude Oil	50.80	51.28	51.95	52.04	52.73	53.43	54.90	55.64	56.37	57.11	57.63	58.12	58.61	59.12	0.2%
Imported Crude Oil	45.22	45.64	46.05	46.47	47.08	47.71	48.33	48.94	49.57	49.97	50.40	50.80	51.21	51.63	0.2%
Conventional Production 2/															
OPEC 3/															
Asia	1.10	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.08	1.08	1.08	1.08	1.08	1.10	-0.2%
Middle East	24.96	25.50	26.06	26.60	27.22	27.80	28.47	29.08	29.72	30.42	31.19	31.94	32.64	33.20	1.5%
North Africa	4.41	4.35	4.29	4.24	4.20	4.16	4.12	4.10	4.07	4.04	4.00	3.98	3.95	3.93	0.2%
West Africa	3.96	4.01	4.05	4.10	4.15	4.19	4.24	4.29	4.32	4.35	4.38	4.41	4.44	4.48	1.9%
South America	2.36	2.34	2.32	2.30	2.28	2.27	2.26	2.25	2.24	2.24	2.23	2.23	2.24	2.24	-0.8%
Total OPEC	36.79	37.28	37.82	38.33	38.94	39.51	40.18	40.80	41.44	42.12	42.89	43.64	44.35	44.95	1.2%
Non-OPEC															
OECD															
United States (50 states)	9.46	9.49	9.54	9.48	9.52	9.53	9.45	9.34	9.18	9.19	9.16	9.05	9.03	9.12	0.5%
Canada	1.98	1.95	1.92	1.89	1.87	1.84	1.81	1.78	1.76	1.73	1.70	1.68	1.65	1.62	-1.1%
Mexico	3.08	3.11	3.14	3.18	3.21	3.24	3.28	3.31	3.35	3.38	3.41	3.45	3.48	3.52	-0.3%
OECD Europe 4/	4.62	4.48	4.35	4.22	4.10	3.97	3.86	3.74	3.64	3.53	3.43	3.34	3.25	3.16	-2.5%
Japan	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.0%
Australia and New Zealand	0.51	0.51	0.51	0.51	0.52	0.53	0.54	0.54	0.55	0.56	0.57	0.58	0.59	0.60	0.0%
Total OECD	19.74	19.64	19.56	19.39	19.31	19.22	19.03	18.82	18.57	18.49	18.38	18.19	18.10	18.12	-0.5%
Non-OECD															
Russia	10.51	10.62	10.71	10.79	10.88	10.97	11.06	11.14	11.23	11.32	11.38	11.43	11.49	11.54	0.8%
Other Eurasia 5/	5.09	5.20	5.30	5.41	5.52	5.63	5.75	5.87	5.99	6.10	6.21	6.32	6.44	6.55	4.0%
China	3.24	3.26	3.28	3.30	3.30	3.30	3.30	3.30	3.30	3.28	3.26	3.24	3.22	3.20	-0.6%
Other Asia 6/	2.54	2.56	2.58	2.60	2.60	2.60	2.60	2.60	2.60	2.58	2.56	2.54	2.52	2.50	-0.1%
Middle East 7/	2.28	2.32	2.36	2.40	2.46	2.52	2.58	2.64	2.70	2.74	2.78	2.82	2.86	2.90	2.2%
Africa	6.90	7.07	7.22	7.38	7.60	7.82	8.05	8.28	8.51	8.76	9.00	9.26	9.52	9.83	4.1%
Brazil	3.02	3.05	3.09	3.20	3.26	3.32	3.38	3.44	3.50	3.58	3.66	3.74	3.82	3.90	3.2%
Other South and Central America	2.59	2.61	2.64	2.66	2.68	2.70	2.72	2.74	2.75	2.78	2.81	2.84	2.87	2.90	0.9%
Total Non-OECD	36.16	36.69	37.18	37.75	38.30	38.86	39.43	40.01	40.59	41.14	41.66	42.19	42.73	43.32	1.8%
Total Conventional Production	92.69	93.61	94.55	95.47	96.55	97.58	98.64	99.63	100.59	101.75	102.93	104.02	105.18	106.40	1.1%
Unconventional Production 8/															
United States (50 states)	0.84	0.87	0.89	0.91	0.94	1.00	1.02	1.08	1.20	1.27	1.28	1.32	1.35	1.37	7.0%
Other North America	2.49	2.57	2.65	2.74	2.84	2.94	3.04	3.14	3.25	3.33	3.41	3.49	3.57	3.66	5.0%
OECD Europe 4/	0.18	0.19	0.19	0.19	0.20	0.21	0.21	0.22	0.23	0.23	0.24	0.25	0.26	0.27	5.1%
Middle East 7/	0.69	0.71	0.73	0.75	0.78	0.81	0.83	0.86	0.89	0.93	0.97	1.02	1.06	1.11	16.8%
Africa	0.46	0.48	0.50	0.52	0.54	0.56	0.58	0.60	0.63	0.64	0.67	0.69	0.70	0.73	6.3%
Central and South America	1.68	1.72	1.76	1.81	1.88	1.95	2.02	2.12	2.18	2.23	2.27	2.31	2.36	2.40	3.9%
Other	0.85	0.86	0.88	0.90	0.93	0.96	0.99	1.02	1.05	1.12	1.20	1.27	1.34	1.41	6.7%
Total Unconventional Production	7.19	7.40	7.62	7.83	8.11	8.43	8.70	9.06	9.42	9.76	10.04	10.35	10.64	10.93	5.6%
Total Production	99.88	101.01	102.17	103.29	104.65	106.01	107.34	108.69	110.01	111.51	112.97	114.37	115.82	117.33	1.3%
Consumption 9/															
OECD															
United States (50 states)	23.29	23.53	23.79	24.02	24.30	24.57	24.83	25.10	25.33	25.68	26.00	26.26	26.56	26.93	1.0%
United States Territories	0.48	0.49	0.50	0.51	0.51	0.52	0.53	0.54	0.54	0.55	0.56	0.57	0.58	0.59	1.8%
Canada	2.52	2.51	2.50	2.49	2.50	2.52	2.53	2.55	2.56	2.57	2.57	2.58	2.59	2.59	0.5%
Mexico	2.55	2.60	2.64	2.68	2.73	2.78	2.83	2.88	2.93	2.98	3.04	3.09	3.14	3.19	1.7%
OECD Europe 4/	15.84	15.81	15.78	15.76	15.81	15.86	15.91	15.96	16.00	16.06	16.11	16.16	16.21	16.26	0.1%
Japan	5.46	5.45	5.44	5.43	5.43	5.44	5.45	5.46	5.46	5.46	5.46	5.45	5.45	5.45	-0.1%

Table 20. International Petroleum Supply and Disposition Summary
(million barrels per day, unless otherwise noted)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
South Korea	2.93	2.97	3.00	3.04	3.08	3.12	3.16	3.20	3.24	3.28	3.32	3.37	3.41	3.45	1.6%
Australia and New Zealand	1.11	1.12	1.13	1.13	1.14	1.15	1.16	1.17	1.17	1.18	1.19	1.20	1.21	1.22	0.6%
Total OECD	54.18	54.47	54.78	55.05	55.51	55.96	56.39	56.84	57.25	57.77	58.25	58.68	59.15	59.69	0.7%
Non-OECD															
Russia	3.08	3.09	3.10	3.11	3.15	3.18	3.21	3.25	3.28	3.30	3.32	3.35	3.37	3.39	0.8%
Other Non-OECD Eurasia 5/	3.04	3.09	3.13	3.18	3.24	3.29	3.35	3.40	3.46	3.52	3.58	3.64	3.70	3.75	1.9%
China	10.66	10.99	11.33	11.66	11.98	12.29	12.61	12.93	13.24	13.60	13.97	14.33	14.69	15.05	3.2%
India	3.46	3.52	3.59	3.66	3.74	3.82	3.90	3.99	4.07	4.14	4.22	4.30	4.38	4.45	2.3%
Other Non-OECD Asia	8.02	8.18	8.35	8.51	8.68	8.85	9.02	9.19	9.36	9.55	9.73	9.92	10.10	10.29	2.2%
Middle East 7/	6.76	6.84	6.92	7.00	7.09	7.17	7.26	7.34	7.43	7.50	7.58	7.66	7.73	7.81	1.4%
Africa	4.15	4.20	4.25	4.30	4.35	4.40	4.44	4.49	4.54	4.62	4.70	4.78	4.85	4.93	2.0%
Brazil	2.70	2.74	2.78	2.82	2.87	2.92	2.98	3.03	3.09	3.13	3.17	3.21	3.25	3.29	1.6%
Other Central and South America	3.83	3.89	3.94	4.00	4.06	4.12	4.18	4.23	4.29	4.37	4.45	4.52	4.60	4.68	1.8%
Total Non-OECD	45.69	46.54	47.39	48.23	49.14	50.04	50.95	51.85	52.76	53.74	54.71	55.69	56.66	57.64	2.1%
Total Consumption	99.87	101.01	102.17	103.29	104.65	106.01	107.34	108.69	110.01	111.50	112.96	114.37	115.81	117.33	1.3%
OPEC Production 10/	38.49	39.04	39.63	40.19	40.88	41.54	42.29	42.99	43.71	44.48	45.33	46.17	46.96	47.65	1.4%
Non-OPEC Production 10/	61.38	61.97	62.54	63.10	63.77	64.47	65.05	65.69	66.30	67.02	67.63	68.20	68.86	69.68	1.3%
Net Eurasia Exports	12.50	12.69	12.86	13.12	13.28	13.45	13.62	13.80	13.98	14.18	14.35	14.51	14.68	14.85	2.2%
OPEC Market Share (percent)	38.5	38.7	38.8	38.9	39.1	39.2	39.4	39.6	39.7	39.9	40.1	40.4	40.5	40.6	0.0%

Table 20. International Petroleum Supply and Disposition Summary
(million barrels per day, unless otherwise noted)

- 1/ Weighted average price delivered to U.S. refiners.
- 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/ OPEC = Organization of Petroleum Exporting Countries - Algeria, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela. Does not include Angola, which was admitted as a full member to OPEC on December 14, 2006.
- 4/ OECD Europe = Organization for Economic Cooperation and Development - Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Slovakia, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.
- 5/ Eurasia consists of Armenia, Azerbaijan, Belarus, Estonia, Georgia, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine, and Uzbekistan.
- 6/ Other Asia = Afghanistan, Bangladesh, Bhutan, Brunei, Cambodia (Kampuchea), Fiji, French Polynesia, Guam, Hong Kong, Indonesia, Kiribati, Laos, Malaysia, Macau, Maldives, Mongolia, Myanmar (Burma), Nauru, Nepal, New Caledonia, Niue, North Korea, Pakistan, Papua New Guinea, Philippines, Samoa, Singapore, Solomon Islands, Sri Lanka, Taiwan, Thailand, Tonga, Vanuatu, and Vietnam.
- 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 2004 and 2005 are model results and may differ slightly from official EIA data reports.
N/A = Not applicable.
- Sources: 2004 and 2005 low sulfur light crude oil price: Energy Information Administration (EIA), Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report." 2004 and 2005 imported crude oil price: EIA, Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 quantities derived from: EIA, International Energy Annual 2004, DOE/EIA-0219(2004) (Washington, DC, May-July 2006). 2005 and projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.