

Price Case Comparisons

Table C1. Total Energy Supply and Disposition Summary
(Quadrillion Btu per Year, Unless Otherwise Noted)

Supply, Disposition, and Prices	2006	Projections								
		2010			2020			2030		
		Low Price	Reference	High Price	Low Price	Reference	High Price	Low Price	Reference	High Price
Production										
Crude Oil and Lease Condensate	10.80	12.85	12.76	12.64	13.67	13.40	13.57	11.15	12.04	13.71
Natural Gas Plant Liquids	2.36	2.27	2.27	2.26	2.32	2.31	2.28	2.09	2.11	2.11
Dry Natural Gas	19.04	19.83	19.85	19.81	20.14	20.24	20.26	19.98	20.00	20.36
Coal ¹	23.79	23.97	23.97	23.97	23.33	25.20	26.13	25.88	28.63	32.46
Nuclear Power	8.21	8.31	8.31	8.31	8.90	9.05	9.26	8.72	9.57	10.66
Hydropower	2.89	2.92	2.92	2.92	3.00	3.00	3.01	3.01	3.00	3.01
Biomass ²	2.94	4.08	4.05	4.02	6.48	6.42	6.48	8.28	8.12	7.88
Other Renewable Energy ³	0.88	1.39	1.51	1.51	1.77	2.00	2.10	2.11	2.45	2.45
Other ⁴	0.50	0.53	0.54	0.55	0.60	0.58	0.57	0.65	0.64	0.63
Total	71.41	76.16	76.17	75.99	80.21	82.21	83.66	81.87	86.56	93.27
Imports										
Crude Oil	22.08	21.40	21.14	20.42	22.41	21.58	19.62	26.43	24.41	18.93
Liquid Fuels and Other Petroleum ⁵	7.21	5.48	5.61	6.27	6.72	5.43	4.94	7.46	5.44	4.71
Natural Gas	4.29	5.00	4.80	4.63	6.40	4.68	3.52	6.98	4.64	3.17
Other Imports ⁶	0.98	0.95	0.95	0.96	1.89	1.93	2.00	2.60	2.74	2.92
Total	34.57	32.83	32.49	32.27	37.43	33.62	30.08	43.47	37.22	29.73
Exports										
Petroleum ⁷	2.60	2.87	2.82	2.88	3.03	2.98	3.08	3.07	3.33	3.25
Natural Gas	0.73	0.85	0.84	0.84	1.12	1.02	0.91	1.60	1.36	1.08
Coal	1.26	1.79	1.79	1.79	0.87	0.87	0.82	0.91	0.88	0.88
Total	4.59	5.50	5.45	5.51	5.02	4.87	4.82	5.58	5.56	5.21
Discrepancy⁸	1.87	-0.08	-0.13	-0.10	0.22	0.12	0.14	0.37	0.21	0.25
Consumption										
Liquid Fuels and Other Petroleum ⁹	40.06	40.61	40.46	40.19	44.30	42.24	40.20	46.89	43.99	41.48
Natural Gas	22.30	24.11	23.93	23.72	25.55	24.01	22.71	25.47	23.39	22.24
Coal	22.50	23.03	23.03	23.03	24.18	25.87	26.81	27.38	29.90	32.11
Nuclear Power	8.21	8.31	8.31	8.31	8.90	9.05	9.26	8.72	9.57	10.66
Hydropower	2.89	2.92	2.92	2.92	3.00	3.00	3.01	3.01	3.00	3.01
Biomass ¹⁰	2.50	3.02	3.01	2.99	4.53	4.50	4.49	5.63	5.51	5.36
Other Renewable Energy ³	0.88	1.39	1.51	1.51	1.77	2.00	2.10	2.11	2.45	2.45
Other ¹¹	0.19	0.18	0.18	0.19	0.17	0.17	0.19	0.18	0.20	0.22
Total	99.52	103.57	103.34	102.87	112.39	110.85	108.78	119.39	118.01	117.54

Price Case Comparisons

Table C1. Total Energy Supply and Disposition Summary (Continued)
(Quadrillion Btu per Year, Unless Otherwise Noted)

Supply, Disposition, and Prices	2006	Projections								
		2010			2020			2030		
		Low Price	Reference	High Price	Low Price	Reference	High Price	Low Price	Reference	High Price
Prices (2006 dollars per unit)										
Petroleum (dollars per barrel)										
Imported Low Sulfur Light Crude Oil Price ¹²	66.02	71.45	74.03	79.02	39.07	59.70	102.07	42.35	70.45	118.65
Imported Crude Oil Price ¹²	59.05	62.64	65.18	69.19	33.46	51.55	88.31	34.61	58.66	96.42
Natural Gas (dollars per million Btu)										
Price at Henry Hub	6.73	6.61	6.90	7.28	5.01	5.95	7.08	6.00	7.22	8.43
Wellhead Price ¹³	6.24	5.89	6.16	6.50	4.43	5.29	6.32	5.33	6.45	7.55
Natural Gas (dollars per thousand cubic feet)										
Wellhead Price ¹³	6.42	6.06	6.33	6.69	4.56	5.44	6.50	5.49	6.63	7.77
Coal (dollars per ton)										
Minemouth Price ¹⁴	24.63	25.88	26.16	26.17	21.68	22.51	23.62	22.06	23.32	24.79
Coal (dollars per million Btu)										
Minemouth Price ¹⁴	1.21	1.27	1.28	1.28	1.09	1.14	1.20	1.12	1.19	1.28
Average Delivered Price ¹⁵	1.78	1.92	1.93	1.94	1.69	1.77	1.86	1.72	1.82	1.92
Average Electricity Price (cents per kilowatt-hour)										
	8.9	9.1	9.2	9.3	8.3	8.6	8.9	8.5	8.8	9.1

¹Includes waste coal.

²Includes grid-connected electricity from wood and waste; biomass, such as corn, used for liquid fuels production; and non-electric energy demand from wood. Refer to Table A17 for details.

³Includes grid-connected electricity from landfill gas; biogenic municipal 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 A17 for selected nonmarketed residential and commercial renewable energy.

⁴Includes non-biogenic municipal waste, liquid hydrogen, methanol, and some domestic inputs to refineries.

⁵Includes imports of finished petroleum products, unfinished oils, alcohols, ethers, blending components, and renewable fuels such as ethanol.

⁶Includes coal, coal coke (net), and electricity (net).

⁷Includes crude oil and petroleum products.

⁸Balancing item. Includes unaccounted for supply, losses, gains, and net storage withdrawals.

⁹Includes 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 A17 for detailed renewable liquid fuels consumption.

¹⁰Includes 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.

¹¹Includes non-biogenic municipal waste and net electricity imports.

¹²Weighted average price delivered to U.S. refiners.

¹³Represents lower 48 onshore and offshore supplies.

¹⁴Includes reported prices for both open market and captive mines.

¹⁵Prices weighted by consumption; weighted average excludes residential and commercial prices, and export free-alongside-ship (f.a.s.) prices.

Btu = British thermal unit.

-- = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2006 are model results and may differ slightly from official EIA data reports.

Sources: 2006 natural gas supply values and natural gas wellhead price: EIA, *Natural Gas Monthly*, DOE/EIA-0130(2007/04) (Washington, DC, April 2007). 2006 coal minemouth and delivered coal prices: EIA, *Annual Coal Report 2006*, DOE/EIA-0584(2006) (Washington, DC, November 2007). 2006 petroleum supply values: EIA, *Petroleum Supply Annual 2006*, DOE/EIA-0340(2006)/1 (Washington, DC, September 2007). 2006 low sulfur light crude oil price: EIA, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report." Other 2006 coal values: *Quarterly Coal Report, October-December 2006*, DOE/EIA-0121(2006/4Q) (Washington, DC, March 2007). Other 2006 values: EIA, *Annual Energy Review 2006*, DOE/EIA-0384(2006) (Washington, DC, June 2007). Projections: EIA, AEO2008 National Energy Modeling System runs LP2008.D031608A, AEO2008.D030208F, and HP2008.D031808A.

Price Case Comparisons

Table C2. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)

Sector and Source	2006	Projections								
		2010			2020			2030		
		Low Price	Reference	High Price	Low Price	Reference	High Price	Low Price	Reference	High Price
Energy Consumption										
Residential										
Liquefied Petroleum Gases	0.47	0.48	0.48	0.48	0.52	0.52	0.51	0.56	0.55	0.55
Kerosene	0.07	0.08	0.08	0.08	0.09	0.08	0.08	0.09	0.08	0.07
Distillate Fuel Oil	0.70	0.76	0.75	0.75	0.78	0.73	0.65	0.72	0.65	0.56
Liquid Fuels and Other Petroleum Subtotal	1.25	1.32	1.31	1.31	1.40	1.33	1.24	1.37	1.29	1.18
Natural Gas	4.50	4.97	4.95	4.93	5.41	5.30	5.20	5.44	5.32	5.23
Coal	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Renewable Energy ¹	0.41	0.44	0.44	0.44	0.39	0.40	0.42	0.36	0.38	0.40
Electricity	4.61	4.95	4.95	4.94	5.29	5.25	5.22	5.90	5.88	5.85
Delivered Energy	10.77	11.69	11.66	11.63	12.49	12.30	12.09	13.08	12.88	12.66
Electricity Related Losses	10.04	10.58	10.59	10.58	10.98	11.08	11.12	11.91	12.14	12.10
Total	20.82	22.27	22.25	22.21	23.47	23.39	23.21	24.99	25.01	24.76
Commercial										
Liquefied Petroleum Gases	0.08	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
Kerosene	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Distillate Fuel Oil	0.42	0.38	0.38	0.38	0.45	0.41	0.37	0.49	0.41	0.38
Residual Fuel Oil	0.11	0.10	0.10	0.09	0.11	0.10	0.10	0.11	0.10	0.10
Liquid Fuels and Other Petroleum Subtotal	0.68	0.64	0.63	0.63	0.73	0.68	0.63	0.76	0.68	0.64
Natural Gas	2.92	3.06	3.04	3.03	3.56	3.47	3.37	3.87	3.78	3.67
Coal	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Renewable Energy ³	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Electricity	4.43	4.74	4.73	4.72	5.72	5.67	5.62	6.68	6.62	6.57
Delivered Energy	8.25	8.64	8.62	8.59	10.22	10.03	9.83	11.52	11.30	11.09
Electricity Related Losses	9.66	10.12	10.12	10.12	11.87	11.96	11.99	13.47	13.68	13.59
Total	17.91	18.76	18.74	18.70	22.08	21.98	21.82	24.99	24.98	24.68
Industrial⁴										
Liquefied Petroleum Gases	2.09	2.13	2.12	2.12	1.87	1.83	1.78	1.75	1.71	1.71
Motor Gasoline ²	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.38	0.38	0.37
Distillate Fuel Oil	1.28	1.29	1.29	1.28	1.26	1.23	1.22	1.29	1.23	1.23
Residual Fuel Oil	0.28	0.28	0.28	0.28	0.30	0.23	0.19	0.37	0.23	0.19
Petrochemical Feedstocks	1.41	1.37	1.36	1.36	1.41	1.39	1.36	1.30	1.29	1.30
Other Petroleum ⁵	4.48	4.31	4.25	4.14	4.67	4.22	3.73	4.93	4.41	3.62
Liquid Fuels and Other Petroleum Subtotal	9.92	9.76	9.67	9.57	9.89	9.27	8.65	10.02	9.25	8.42
Natural Gas	6.68	7.15	7.16	7.12	7.00	7.14	7.21	6.73	7.08	7.21
Natural-Gas-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.20
Lease and Plant Fuel ⁶	1.17	1.21	1.21	1.21	1.25	1.25	1.26	1.27	1.27	1.30
Natural Gas Subtotal	7.85	8.36	8.37	8.33	8.25	8.39	8.68	8.00	8.35	8.71
Metallurgical Coal	0.60	0.60	0.60	0.59	0.56	0.54	0.51	0.50	0.48	0.47
Other Industrial Coal	1.26	1.31	1.31	1.30	1.19	1.20	1.19	1.16	1.18	1.18
Coal-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.09	0.34	0.45	0.09	0.55	2.69
Net Coal Coke Imports	0.06	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
Coal Subtotal	1.92	1.94	1.93	1.92	1.87	2.11	2.19	1.80	2.26	4.39
Biofuels Heat and Coproducts	0.30	0.68	0.67	0.66	1.51	1.49	1.49	2.41	2.31	2.09
Renewable Energy ⁷	1.69	1.67	1.66	1.66	1.86	1.83	1.80	2.04	2.02	2.00
Electricity	3.42	3.52	3.50	3.48	3.65	3.59	3.52	3.51	3.52	3.58
Delivered Energy	25.10	25.93	25.82	25.62	27.04	26.70	26.32	27.77	27.70	29.19
Electricity Related Losses	7.45	7.52	7.50	7.45	7.57	7.57	7.51	7.07	7.28	7.40
Total	32.55	33.45	33.32	33.07	34.61	34.27	33.83	34.84	34.98	36.59

Price Case Comparisons

Table C2. Energy Consumption by Sector and Source (Continued)
(Quadrillion Btu per Year, Unless Otherwise Noted)

Sector and Source	2006	Projections								
		2010			2020			2030		
		Low Price	Reference	High Price	Low Price	Reference	High Price	Low Price	Reference	High Price
Transportation										
Liquefied Petroleum Gases	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02
E85 ⁸	0.00	0.00	0.00	0.00	0.95	0.97	0.91	1.17	1.34	1.65
Motor Gasoline ²	17.20	17.28	17.25	17.14	17.46	16.56	15.36	17.54	15.97	13.83
Jet Fuel ⁹	3.16	3.45	3.44	3.43	4.16	4.15	4.14	4.79	4.79	4.79
Distillate Fuel Oil ¹⁰	6.18	6.56	6.54	6.52	7.75	7.63	7.64	9.09	8.98	9.29
Residual Fuel Oil	0.83	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Petroleum ¹¹	0.18	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18
Liquid Fuels and Other Petroleum Subtotal	27.57	28.34	28.29	28.14	31.36	30.37	29.11	33.65	32.15	30.62
Pipeline Fuel Natural Gas	0.59	0.64	0.64	0.64	0.71	0.69	0.66	0.76	0.72	0.70
Compressed Natural Gas	0.02	0.04	0.04	0.04	0.07	0.07	0.07	0.08	0.08	0.09
Electricity	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03
Delivered Energy	28.20	29.04	28.98	28.84	32.17	31.15	29.87	34.51	32.98	31.44
Electricity Related Losses	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06
Total	28.25	29.09	29.03	28.89	32.23	31.21	29.92	34.57	33.04	31.50
Delivered Energy Consumption for All Sectors										
Liquefied Petroleum Gases	2.65	2.72	2.70	2.71	2.50	2.45	2.40	2.41	2.37	2.37
E85 ⁸	0.00	0.00	0.00	0.00	0.95	0.97	0.91	1.17	1.34	1.65
Motor Gasoline ²	17.62	17.71	17.68	17.56	17.88	16.99	15.78	17.97	16.40	14.25
Jet Fuel ⁹	3.16	3.45	3.44	3.43	4.16	4.15	4.14	4.79	4.79	4.79
Kerosene	0.11	0.12	0.12	0.12	0.13	0.13	0.12	0.13	0.13	0.11
Distillate Fuel Oil	8.59	8.99	8.97	8.93	10.25	10.00	9.89	11.59	11.28	11.46
Residual Fuel Oil	1.23	1.23	1.23	1.23	1.27	1.19	1.15	1.35	1.20	1.16
Petrochemical Feedstocks	1.41	1.37	1.36	1.36	1.41	1.39	1.36	1.30	1.29	1.30
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Petroleum ¹²	4.64	4.47	4.40	4.29	4.83	4.38	3.88	5.09	4.56	3.77
Liquid Fuels and Other Petroleum Subtotal	39.41	40.06	39.90	39.64	43.38	41.65	39.63	45.80	43.37	40.87
Natural Gas	14.12	15.21	15.19	15.11	16.04	15.98	15.85	16.11	16.27	16.19
Natural-Gas-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.20
Lease and Plant Fuel ⁶	1.17	1.21	1.21	1.21	1.25	1.25	1.26	1.27	1.27	1.30
Pipeline Natural Gas	0.59	0.64	0.64	0.64	0.71	0.69	0.66	0.76	0.72	0.70
Natural Gas Subtotal	15.88	17.06	17.04	16.96	18.00	17.93	17.97	18.14	18.26	18.39
Metallurgical Coal	0.60	0.60	0.60	0.59	0.56	0.54	0.51	0.50	0.48	0.47
Other Coal	1.35	1.40	1.40	1.40	1.28	1.29	1.28	1.25	1.27	1.27
Coal-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.09	0.34	0.45	0.09	0.55	2.69
Net Coal Coke Imports	0.06	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
Coal Subtotal	2.02	2.03	2.03	2.02	1.96	2.21	2.28	1.89	2.35	4.48
Biofuels Heat and Coproducts	0.30	0.68	0.67	0.66	1.51	1.49	1.49	2.41	2.31	2.09
Renewable Energy ¹³	2.23	2.24	2.23	2.23	2.38	2.37	2.35	2.53	2.52	2.53
Electricity	12.49	13.23	13.20	13.16	14.68	14.54	14.38	16.12	16.05	16.03
Delivered Energy	72.32	75.30	75.08	74.67	81.92	80.18	78.10	86.88	84.86	84.38
Electricity Related Losses	27.19	28.27	28.26	28.20	30.47	30.67	30.68	32.51	33.16	33.15
Total	99.52	103.57	103.34	102.87	112.39	110.85	108.78	119.39	118.01	117.54
Electric Power¹⁴										
Distillate Fuel Oil	0.18	0.18	0.18	0.18	0.20	0.20	0.20	0.22	0.23	0.22
Residual Fuel Oil	0.46	0.38	0.38	0.38	0.72	0.39	0.37	0.87	0.40	0.39
Liquid Fuels and Other Petroleum Subtotal	0.64	0.56	0.56	0.56	0.92	0.59	0.57	1.09	0.63	0.61
Natural Gas	6.42	7.05	6.89	6.76	7.55	6.09	4.74	7.34	5.13	3.85
Steam Coal	20.48	21.00	21.01	21.01	22.21	23.67	24.54	25.50	27.55	27.63
Nuclear Power	8.21	8.31	8.31	8.31	8.90	9.05	9.26	8.72	9.57	10.66
Renewable Energy ¹⁵	3.74	4.41	4.53	4.53	5.40	5.64	5.76	5.80	6.13	6.21
Electricity Imports	0.06	0.05	0.05	0.06	0.04	0.04	0.07	0.05	0.08	0.09
Total¹⁶	39.68	41.50	41.46	41.36	45.16	45.21	45.06	48.63	49.21	49.18

Price Case Comparisons

Table C2. Energy Consumption by Sector and Source (Continued)
(Quadrillion Btu per Year, Unless Otherwise Noted)

Sector and Source	2006	Projections								
		2010			2020			2030		
		Low Price	Reference	High Price	Low Price	Reference	High Price	Low Price	Reference	High Price
Total Energy Consumption										
Liquefied Petroleum Gases	2.65	2.72	2.70	2.71	2.50	2.45	2.40	2.41	2.37	2.37
E85 ⁸	0.00	0.00	0.00	0.00	0.95	0.97	0.91	1.17	1.34	1.65
Motor Gasoline ²	17.62	17.71	17.68	17.56	17.88	16.99	15.78	17.97	16.40	14.25
Jet Fuel ⁹	3.16	3.45	3.44	3.43	4.16	4.15	4.14	4.79	4.79	4.79
Kerosene	0.11	0.12	0.12	0.12	0.13	0.13	0.12	0.13	0.13	0.11
Distillate Fuel Oil	8.77	9.17	9.15	9.11	10.45	10.20	10.09	11.81	11.51	11.68
Residual Fuel Oil	1.69	1.61	1.60	1.61	1.99	1.58	1.52	2.22	1.60	1.55
Petrochemical Feedstocks	1.41	1.37	1.36	1.36	1.41	1.39	1.36	1.30	1.29	1.30
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Petroleum ¹²	4.64	4.47	4.40	4.29	4.83	4.38	3.88	5.09	4.56	3.77
Liquid Fuels and Other Petroleum Subtotal	40.06	40.61	40.46	40.19	44.30	42.24	40.20	46.89	43.99	41.48
Natural Gas	20.54	22.26	22.08	21.88	23.59	22.07	20.58	23.45	21.40	20.04
Natural-Gas-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.20
Lease and Plant Fuel ⁶	1.17	1.21	1.21	1.21	1.25	1.25	1.26	1.27	1.27	1.30
Pipeline Natural Gas	0.59	0.64	0.64	0.64	0.71	0.69	0.66	0.76	0.72	0.70
Natural Gas Subtotal	22.30	24.11	23.93	23.72	25.55	24.01	22.71	25.47	23.39	22.24
Metallurgical Coal	0.60	0.60	0.60	0.59	0.56	0.54	0.51	0.50	0.48	0.47
Other Coal	21.83	22.40	22.41	22.41	23.49	24.96	25.82	26.75	28.82	28.90
Coal-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.09	0.34	0.45	0.09	0.55	2.69
Net Coal Coke Imports	0.06	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
Coal Subtotal	22.50	23.03	23.03	23.03	24.18	25.87	26.81	27.38	29.90	32.11
Nuclear Power	8.21	8.31	8.31	8.31	8.90	9.05	9.26	8.72	9.57	10.66
Biofuels Heat and Coproducts	0.30	0.68	0.67	0.66	1.51	1.49	1.49	2.41	2.31	2.09
Renewable Energy ¹⁷	5.97	6.65	6.76	6.76	7.79	8.01	8.11	8.34	8.66	8.74
Electricity Imports	0.06	0.05	0.05	0.06	0.04	0.04	0.07	0.05	0.08	0.09
Total	99.52	103.57	103.34	102.87	112.39	110.85	108.78	119.39	118.01	117.54
Energy Use and Related Statistics										
Delivered Energy Use	72.32	75.30	75.08	74.67	81.92	80.18	78.10	86.88	84.86	84.38
Total Energy Use	99.52	103.57	103.34	102.87	112.39	110.85	108.78	119.39	118.01	117.54
Ethanol Consumed in Motor Gasoline and E85	0.47	1.05	1.05	1.03	1.82	1.82	1.68	1.97	2.01	2.07
Population (millions)	300.13	310.85	310.85	310.85	337.74	337.74	337.74	365.59	365.59	365.59
Gross Domestic Product (billion 2000 dollars)	11319	12465	12453	12426	16030	15984	15944	20228	20219	20258
Carbon Dioxide Emissions (million metric tons)	5890.3	6030.9	6010.6	5983.0	6450.0	6384.1	6258.9	6941.2	6851.0	6799.2

¹Includes wood used for residential heating. See Table A4 and/or Table A17 for estimates of nonmarketed renewable energy consumption for geothermal heat pumps, solar thermal hot water heating, and solar photovoltaic electricity generation.

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

³Excludes ethanol. Includes commercial sector consumption of wood and wood waste, landfill gas, municipal waste, and other biomass for combined heat and power. See Table A5 and/or Table A17 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating and solar photovoltaic electricity generation.

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

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

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

⁷Includes consumption of energy produced from hydroelectric, wood and wood waste, municipal waste, and other biomass sources. Excludes ethanol blends (10 percent or less) in motor gasoline.

⁸E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.

⁹Includes only kerosene type.

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

¹¹Includes aviation gasoline and lubricants.

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

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

¹⁴Includes 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.

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

¹⁶Includes non-biogenic municipal waste not included above.

¹⁷Includes conventional hydroelectric, geothermal, wood and wood waste, biogenic municipal waste, other biomass, wind, photovoltaic and solar thermal sources. Excludes ethanol, 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.

-- = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2006 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: 2006 consumption based on: Energy Information Administration (EIA), *Annual Energy Review 2006*, DOE/EIA-0384(2006) (Washington, DC, June 2007). 2006 population and gross domestic product: Global Insight, Global Insight Industry and Employment models, July 2007. 2006 carbon dioxide emissions: EIA, *Emissions of Greenhouse Gases in the United States 2006*, DOE/EIA-0573(2006) (Washington, DC, November 2007). Projections: EIA, AEO2008 National Energy Modeling System runs LP2008.D031608A, AEO2008.D030208F, and HP2008.D031808A.

Price Case Comparisons

Table C3. Energy Prices by Sector and Source
(2006 Dollars per Million Btu, Unless Otherwise Noted)

Sector and Source	2006	Projections								
		2010			2020			2030		
		Low Price	Reference	High Price	Low Price	Reference	High Price	Low Price	Reference	High Price
Residential										
Liquefied Petroleum Gases	23.08	24.91	25.21	25.59	23.30	24.23	25.36	24.26	25.43	26.63
Distillate Fuel Oil	17.94	16.45	17.21	18.25	10.60	14.27	22.09	11.54	16.27	24.45
Natural Gas	13.40	11.85	12.15	12.55	10.43	11.39	12.57	11.71	12.91	14.10
Electricity	30.52	31.02	31.37	31.79	29.21	30.20	31.09	29.82	30.63	31.48
Commercial										
Distillate Fuel Oil	14.59	14.51	15.24	16.12	9.51	13.24	20.37	10.27	15.00	23.16
Residual Fuel Oil	8.60	9.64	10.06	10.69	5.03	7.95	13.09	5.50	9.22	15.41
Natural Gas	11.50	10.30	10.59	10.98	8.97	9.91	11.04	10.26	11.43	12.61
Electricity	27.75	27.52	27.89	28.35	24.45	25.64	26.90	25.01	26.17	27.33
Industrial¹										
Liquefied Petroleum Gases	19.71	17.49	17.74	18.12	15.94	16.79	17.75	16.77	17.79	19.02
Distillate Fuel Oil	15.33	15.02	15.72	16.46	10.85	14.62	21.23	11.56	16.26	24.32
Residual Fuel Oil	9.06	10.10	10.86	11.00	5.48	8.29	12.92	6.20	9.62	15.20
Natural Gas ²	7.66	6.94	7.21	7.58	5.35	6.21	7.29	6.22	7.29	8.44
Metallurgical Coal	3.54	4.06	4.07	4.08	3.39	3.42	3.48	3.56	3.60	3.67
Other Industrial Coal	2.34	2.41	2.42	2.43	2.20	2.28	2.38	2.23	2.33	2.48
Coal to Liquids	--	--	--	--	0.86	1.09	1.26	0.95	1.30	1.57
Electricity	17.97	18.90	19.21	19.60	16.47	17.27	17.89	16.98	17.63	18.11
Transportation										
Liquefied Petroleum Gases ³	21.72	25.74	26.03	26.35	24.02	24.94	26.04	24.87	26.03	27.21
E85 ⁴	24.81	21.86	23.58	26.14	15.25	18.15	27.14	15.22	19.62	28.81
Motor Gasoline ⁵	21.19	20.43	21.23	23.66	15.35	19.64	27.35	15.35	20.37	29.37
Jet Fuel ⁶	14.83	15.13	15.77	17.13	9.18	13.27	21.13	10.22	15.37	23.87
Distillate Fuel Oil ⁷	19.72	19.00	19.68	20.45	14.47	18.26	24.74	14.87	19.59	27.72
Residual Fuel Oil	7.89	9.93	10.53	10.83	5.68	8.69	14.02	6.50	10.39	16.44
Natural Gas ⁸	14.28	13.33	13.60	13.99	11.22	12.15	13.37	11.64	12.83	14.12
Electricity	29.73	30.48	30.95	31.53	27.77	29.05	30.29	28.56	29.65	30.43
Electric Power⁹										
Distillate Fuel Oil	13.35	12.88	13.62	14.64	7.07	10.69	18.33	8.02	12.71	20.66
Residual Fuel Oil	8.17	8.87	9.45	9.79	4.43	7.50	12.73	5.09	9.04	15.14
Natural Gas	6.87	6.71	6.96	7.31	5.11	5.95	6.96	5.90	6.93	8.06
Steam Coal	1.69	1.83	1.84	1.85	1.62	1.72	1.82	1.66	1.78	1.93
Average Price to All Users¹⁰										
Liquefied Petroleum Gases	20.35	19.01	19.27	19.65	17.70	18.59	19.63	18.72	19.82	21.03
E85 ⁴	24.81	21.86	23.58	26.14	15.25	18.15	27.14	15.22	19.62	28.81
Motor Gasoline ⁵	21.06	20.43	21.23	23.66	15.35	19.64	27.35	15.35	20.37	29.37
Jet Fuel	14.83	15.13	15.77	17.13	9.18	13.27	21.13	10.22	15.37	23.87
Distillate Fuel Oil	18.56	17.78	18.48	19.25	13.39	17.20	23.84	13.99	18.74	26.92
Residual Fuel Oil	8.21	9.69	10.31	10.61	5.16	8.29	13.50	5.84	9.87	15.90
Natural Gas	9.22	8.43	8.72	9.10	7.00	7.98	9.18	8.07	9.36	10.63
Metallurgical Coal	3.54	4.06	4.07	4.08	3.39	3.42	3.48	3.56	3.60	3.67
Other Coal	1.73	1.86	1.88	1.89	1.66	1.75	1.85	1.69	1.81	1.95
Coal to Liquids	--	--	--	--	0.86	1.09	1.26	0.95	1.30	1.57
Electricity	26.10	26.54	26.90	27.34	24.19	25.23	26.22	25.03	25.93	26.79

Price Case Comparisons

Table C3. Energy Prices by Sector and Source (Continued)
(2006 Dollars per Million Btu, Unless Otherwise Noted)

Sector and Source	2006	Projections								
		2010			2020			2030		
		Low Price	Reference	High Price	Low Price	Reference	High Price	Low Price	Reference	High Price
Non-Renewable Energy Expenditures by Sector (billion 2006 dollars)										
Residential	225.38	238.17	241.71	246.28	232.30	243.22	256.49	262.54	274.70	287.88
Commercial	166.54	171.75	174.38	177.84	179.61	189.37	201.22	215.50	227.37	240.45
Industrial	205.11	218.32	224.65	230.83	171.15	193.16	221.31	177.82	203.93	235.22
Transportation	542.63	540.60	560.74	608.98	426.17	530.80	712.89	462.11	587.86	797.19
Total Non-Renewable Expenditures	1139.66	1168.84	1201.48	1263.94	1009.23	1156.54	1391.91	1117.96	1293.86	1560.74
Transportation Renewable Expenditures	0.03	0.07	0.06	0.07	14.43	17.64	24.80	17.78	26.35	47.45
Total Expenditures	1139.70	1168.91	1201.54	1264.00	1023.66	1174.18	1416.71	1135.74	1320.22	1608.20

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

²Excludes use for lease and plant fuel.

³Includes Federal and State taxes while excluding county and local taxes.

⁴E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.

⁵Sales weighted-average price for all grades. Includes Federal, State and local taxes.

⁶Kerosene-type jet fuel. Includes Federal and State taxes while excluding county and local taxes.

⁷Diesel fuel for on-road use. Includes Federal and State taxes while excluding county and local taxes.

⁸Compressed natural gas used as a vehicle fuel. Includes estimated motor vehicle fuel taxes and estimated dispensing costs or charges.

⁹Includes electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.

¹⁰Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

-- = Not applicable.

Note: Data for 2006 are model results and may differ slightly from official EIA data reports.

Sources: 2006 prices for motor gasoline, distillate fuel oil, and jet fuel are based on prices in the Energy Information Administration (EIA), *Petroleum Marketing Annual 2006*, DOE/EIA-0487(2006) (Washington, DC, August 2007). 2006 residential and commercial natural gas delivered prices: EIA, *Natural Gas Monthly*, DOE/EIA-0130(2007/04) (Washington, DC, April 2007). 2006 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 2005*, DOE/EIA-0131(2005) (Washington, DC, November 2006) and the *Natural Gas Monthly*, DOE/EIA-0130(2007/04) (Washington, DC, April 2007). 2006 transportation sector natural gas delivered prices are model results. 2006 electric power sector natural gas prices: EIA, *Electric Power Monthly*, DOE/EIA-0226, May 2006 through April 2007. 2006 coal prices based on: EIA, *Quarterly Coal Report, October-December 2006*, DOE/EIA-0121(2006/4Q) (Washington, DC, March 2007) and EIA, AEO2008 National Energy Modeling System run AEO2008.D030208F. 2006 electricity prices: EIA, *Annual Energy Review 2006*, DOE/EIA-0384(2006) (Washington, DC, June 2007). 2006 E85 prices derived from monthly prices in the Clean Cities Alternative Fuel Price Report.

Projections: EIA, AEO2008 National Energy Modeling System runs LP2008.D031608A, AEO2008.D030208F, and HP2008.D031808A.

Price Case Comparisons

Table C4. Liquid Fuels Supply and Disposition
(Million Barrels per Day, Unless Otherwise Noted)

Supply and Disposition	2006	Projections								
		2010			2020			2030		
		Low Price	Reference	High Price	Low Price	Reference	High Price	Low Price	Reference	High Price
Crude Oil										
Domestic Crude Production ¹	5.10	5.97	5.93	5.87	6.35	6.23	6.31	5.18	5.59	6.37
Alaska	0.74	0.69	0.69	0.68	0.77	0.70	0.65	0.32	0.30	0.41
Lower 48 States	4.36	5.29	5.24	5.19	5.59	5.53	5.66	4.86	5.30	5.96
Net Imports	10.09	9.72	9.60	9.27	10.12	9.75	8.87	11.93	11.03	8.54
Gross Imports	10.12	9.75	9.63	9.30	10.15	9.79	8.90	11.95	11.06	8.57
Exports	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Other Crude Supply ²	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Crude Supply	15.24	15.69	15.53	15.15	16.47	15.98	15.17	17.11	16.63	14.91
Other Supply										
Natural Gas Plant Liquids	1.74	1.69	1.68	1.68	1.72	1.72	1.69	1.56	1.57	1.56
Net Product Imports	2.31	1.63	1.72	2.07	2.00	1.37	1.15	2.41	1.26	0.88
Gross Refined Product Imports ³	2.17	1.48	1.61	1.72	1.74	1.41	1.22	2.11	1.56	1.16
Unfinished Oil Imports	0.69	0.70	0.67	0.58	0.79	0.64	0.57	0.87	0.70	0.54
Blending Component Imports	0.68	0.77	0.74	1.09	0.85	0.67	0.78	0.81	0.52	0.68
Exports	1.22	1.31	1.30	1.32	1.38	1.36	1.41	1.38	1.52	1.50
Refinery Processing Gain ⁴	0.99	1.06	1.05	0.96	0.99	1.00	0.86	0.99	0.99	0.68
Other Inputs	0.45	1.03	1.04	1.02	1.87	1.97	2.11	2.20	2.41	3.53
Ethanol	0.36	0.81	0.81	0.80	1.41	1.41	1.30	1.53	1.56	1.61
Domestic Production	0.32	0.76	0.74	0.73	1.19	1.17	1.10	1.44	1.44	1.35
Net Imports	0.05	0.06	0.07	0.06	0.22	0.24	0.20	0.09	0.12	0.26
Biodiesel	0.02	0.04	0.04	0.04	0.07	0.07	0.08	0.07	0.08	0.10
Domestic Production	0.02	0.04	0.04	0.04	0.07	0.07	0.08	0.07	0.08	0.10
Net Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liquids from Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.13
Liquids from Coal	0.00	0.00	0.00	0.00	0.04	0.15	0.20	0.04	0.24	1.18
Liquids from Biomass	0.00	0.00	0.00	0.00	0.14	0.14	0.20	0.33	0.29	0.28
Other ⁵	0.07	0.18	0.18	0.19	0.21	0.21	0.20	0.24	0.24	0.23
Total Primary Supply⁶	20.74	21.10	21.02	20.87	23.06	22.04	20.99	24.26	22.86	21.57
Liquid Fuels Consumption										
by Fuel										
Liquefied Petroleum Gases	2.05	2.06	2.05	2.06	1.90	1.86	1.82	1.83	1.80	1.80
E85 ⁷	0.00	0.00	0.00	0.00	0.65	0.67	0.63	0.80	0.92	1.13
Motor Gasoline ⁸	9.25	9.60	9.59	9.54	9.73	9.24	8.60	9.77	8.91	7.75
Jet Fuel ⁹	1.63	1.67	1.66	1.66	2.01	2.01	2.00	2.31	2.31	2.31
Distillate Fuel Oil ¹⁰	4.17	4.41	4.40	4.38	5.03	4.91	4.85	5.68	5.53	5.61
Diesel	3.21	3.73	3.72	3.71	4.31	4.23	4.22	4.96	4.87	5.01
Residual Fuel Oil	0.69	0.70	0.70	0.70	0.87	0.69	0.66	0.97	0.70	0.67
Other ¹¹	2.86	2.61	2.58	2.53	2.80	2.58	2.35	2.85	2.62	2.28
by Sector										
Residential and Commercial	1.07	1.09	1.08	1.08	1.18	1.13	1.06	1.20	1.12	1.05
Industrial ¹²	5.15	5.10	5.06	5.01	5.08	4.79	4.50	5.09	4.73	4.37
Transportation	14.05	14.63	14.60	14.54	16.31	15.79	15.11	17.46	16.66	15.87
Electric Power ¹³	0.29	0.25	0.25	0.25	0.41	0.26	0.26	0.48	0.28	0.27
Total	20.65	21.06	20.99	20.87	22.99	21.96	20.92	24.22	22.80	21.57
Discrepancy¹⁴	0.09	0.04	0.03	-0.00	0.07	0.08	0.08	0.04	0.06	0.00

Price Case Comparisons

Table C4. Liquid Fuels Supply and Disposition (Continued)
(Million Barrels per Day, Unless Otherwise Noted)

Supply and Disposition	2006	Projections								
		2010			2020			2030		
		Low Price	Reference	High Price	Low Price	Reference	High Price	Low Price	Reference	High Price
Domestic Refinery Distillation Capacity ¹⁵	17.3	18.3	18.3	18.3	18.3	18.3	18.3	18.6	18.4	18.3
Capacity Utilization Rate (percent) ¹⁶	90.0	87.6	86.8	84.6	92.0	89.3	84.7	93.8	92.0	83.2
Net Import Share of Product Supplied (percent)	60.0	54.1	54.2	54.6	53.5	51.6	48.7	59.5	54.3	44.9
Net Expenditures for Imported Crude Oil and Petroleum Products (billion 2006 dollars)	264.86	243.47	254.07	266.30	148.06	207.19	311.47	178.98	261.91	324.14

¹Includes lease condensate.

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

³Includes other hydrocarbons and alcohols.

⁴The volumetric amount by which total output is greater than input due to the processing of crude oil into products which, in total, have a lower specific gravity than the crude oil processed.

⁵Includes petroleum product stock withdrawals, domestic sources of blending components, other hydrocarbons, and ethers.

⁶Total crude supply plus natural gas plant liquids, other inputs, refinery processing gain, and net product imports.

⁷E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.

⁸Includes ethanol and ethers blended into gasoline.

⁹Includes only kerosene type.

¹⁰Includes distillate fuel oil and kerosene from petroleum and biomass feedstocks.

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

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

¹³Includes 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.

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

¹⁵End-of-year operable capacity.

¹⁶Rate is calculated by dividing the gross annual input to atmospheric crude oil distillation units by their operable refining capacity in barrels per calendar day.

-- = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2006 are model results and may differ slightly from official EIA data reports.

Sources: 2006 imported crude oil price and petroleum product supplied based on: Energy Information Administration (EIA), *Annual Energy Review 2006*, DOE/EIA-0384(2006) (Washington, DC, June 2007). 2006 imported low sulfur light crude oil price: EIA, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report." Other 2006 data: EIA, *Petroleum Supply Annual 2006*, DOE/EIA-0340(2006)/1 (Washington, DC, September 2007). Projections: EIA, AEO2008 National Energy Modeling System runs LP2008.D031608A, AEO2008.D030208F, and HP2008.D031808A.

Price Case Comparisons

Table C5. Petroleum Product Prices
(2006 Cents per Gallon, Unless Otherwise Noted)

Sector and Fuel	2006	Projections								
		2010			2020			2030		
		Low Price	Reference	High Price	Low Price	Reference	High Price	Low Price	Reference	High Price
Crude Oil Prices (2006 dollars per barrel)										
Imported Low Sulfur Light Crude Oil ¹	66.02	71.45	74.03	79.02	39.07	59.70	102.07	42.35	70.45	118.65
Imported Crude Oil ¹	59.05	62.64	65.18	69.19	33.46	51.55	88.31	34.61	58.66	96.42
Delivered Sector Product Prices										
Residential										
Liquefied Petroleum Gases	198.1	213.8	216.3	219.6	200.0	207.9	217.7	208.2	218.3	228.6
Distillate Fuel Oil	248.8	228.1	238.6	253.1	147.0	198.0	306.3	160.1	225.7	339.0
Commercial										
Distillate Fuel Oil	201.8	200.2	210.2	222.4	131.1	182.5	280.9	141.5	206.7	319.3
Residual Fuel Oil	128.8	144.3	150.7	160.0	75.3	118.9	196.0	82.3	138.0	230.6
Residual Fuel Oil (2006 dollars per barrel)	54.09	60.60	63.27	67.19	31.64	49.95	82.32	34.55	57.97	96.87
Industrial²										
Liquefied Petroleum Gases	169.2	150.1	152.3	155.5	136.8	144.1	152.4	144.0	152.7	163.2
Distillate Fuel Oil	212.1	206.6	216.2	226.4	149.0	200.7	291.4	158.7	223.1	333.9
Residual Fuel Oil	135.6	151.1	162.6	164.7	82.1	124.0	193.3	92.7	144.0	227.6
Residual Fuel Oil (2006 dollars per barrel)	56.96	63.48	68.29	69.16	34.47	52.10	81.20	38.95	60.48	95.58
Transportation										
Liquefied Petroleum Gases	186.4	220.9	223.4	226.1	206.2	214.0	223.5	213.4	223.4	233.5
Ethanol (E85) ³	235.4	207.4	223.7	248.0	144.6	172.2	257.5	144.4	186.1	273.4
Ethanol Wholesale Price	250.0	179.5	180.8	203.5	196.5	200.7	194.1	145.9	152.2	179.6
Motor Gasoline ⁴	263.3	245.8	255.4	284.1	184.1	235.5	327.5	184.2	244.6	352.3
Jet Fuel ⁵	200.2	204.3	212.8	231.2	123.9	179.2	285.2	137.9	207.5	322.3
Diesel Fuel (distillate fuel oil) ⁶	271.0	260.5	269.8	280.3	198.3	250.2	339.0	203.8	268.5	379.9
Residual Fuel Oil	118.1	148.6	157.7	162.1	85.1	130.1	209.9	97.3	155.5	246.1
Residual Fuel Oil (2006 dollars per barrel)	49.62	62.41	66.22	68.09	35.73	54.64	88.14	40.86	65.32	103.38
Electric Power⁷										
Distillate Fuel Oil	185.1	178.6	189.0	203.1	98.1	148.3	254.3	111.2	176.2	286.5
Residual Fuel Oil	122.3	132.8	141.5	146.6	66.4	112.3	190.5	76.1	135.3	226.6
Residual Fuel Oil (2006 dollars per barrel)	51.37	55.80	59.43	61.56	27.87	47.18	80.02	31.98	56.84	95.17
Refined Petroleum Product Prices⁸										
Liquefied Petroleum Gases	174.6	163.2	165.4	168.7	151.9	159.5	168.5	160.7	170.1	180.5
Motor Gasoline ⁴	261.6	245.7	255.4	284.1	184.0	235.5	327.5	184.2	244.6	352.2
Jet Fuel ⁵	200.2	204.3	212.8	231.2	123.9	179.2	285.2	137.9	207.5	322.3
Distillate Fuel Oil	255.9	244.4	253.9	264.5	183.8	236.1	327.2	191.9	257.1	369.4
Residual Fuel Oil	122.9	145.1	154.3	158.8	77.3	124.1	202.1	87.5	147.7	238.0
Residual Fuel Oil (2006 dollars per barrel)	51.63	60.93	64.80	66.69	32.47	52.12	84.89	36.74	62.04	99.95
Average	234.5	224.3	233.1	252.3	166.4	214.1	296.3	171.4	229.6	326.4

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

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

³E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.

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

⁵Includes only kerosene type.

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

⁷Includes 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.

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

Note: Data for 2006 are model results and may differ slightly from official EIA data reports.

Sources: 2006 imported low sulfur light crude oil price: Energy Information Administration (EIA), Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report." 2006 imported crude oil price: EIA, *Petroleum Marketing Annual 2006*, DOE/EIA-0384(2006) (Washington, DC, June 2007). 2006 prices for motor gasoline, distillate fuel oil, and jet fuel are based on: EIA, *Petroleum Marketing Annual 2006*, DOE/EIA-0487(2006) (Washington, DC, August 2007). 2006 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." 2006 electric power prices based on: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." 2006 ethanol prices derived from weekly spot prices in the Oxy Fuel News. 2006 wholesale ethanol prices derived from Bloomberg U.S. average rack price. Projections: EIA, AEO2008 National Energy Modeling System runs LP2008.D031608A, AEO2008.D030208F, and HP2008.D031808A.

Price Case Comparisons

Table C6. International Liquids Supply and Disposition Summary
(Million Barrels per Day, Unless Otherwise Noted)

Supply and Disposition	2006	Projections								
		2010			2020			2030		
		Low Price	Reference	High Price	Low Price	Reference	High Price	Low Price	Reference	High Price
Crude Oil Prices (2006 dollars per barrel)										
Imported Low Sulfur Light Crude Oil Price ¹ . . .	66.02	71.45	74.03	79.02	39.07	59.70	102.07	42.35	70.45	118.65
Imported Crude Oil Price ¹	59.05	62.64	65.18	69.19	33.46	51.55	88.31	34.61	58.66	96.42
Conventional Production (Conventional)²										
OPEC ³										
Asia	1.11	1.04	1.03	1.03	1.03	0.98	0.82	1.14	0.94	0.67
Middle East	23.21	25.67	22.41	20.69	30.59	24.09	21.58	38.17	27.35	22.18
North Africa	3.90	4.28	4.28	4.24	4.98	4.78	3.99	5.80	4.82	3.40
West Africa	4.02	5.78	5.77	5.73	7.71	7.41	6.19	9.89	8.23	5.79
South America	2.06	1.99	1.99	1.97	2.27	2.18	1.82	2.60	2.16	1.52
Total OPEC	34.30	38.76	35.48	33.67	46.58	39.45	34.40	57.59	43.50	33.55
Non-OPEC										
OECD										
United States (50 states)	7.91	8.89	8.84	8.70	9.28	9.15	9.06	7.96	8.39	8.70
Canada	2.00	1.86	1.85	1.84	1.66	1.32	1.05	1.32	1.05	0.76
Mexico	3.74	3.39	3.37	3.34	4.12	3.25	2.59	4.21	3.35	2.44
OECD Europe ⁴	5.52	4.93	4.89	4.85	4.51	3.59	2.86	4.25	3.39	2.47
Japan	0.13	0.12	0.12	0.12	0.16	0.14	0.11	0.19	0.15	0.11
Australia and New Zealand	0.57	0.62	0.62	0.61	0.83	0.65	0.52	0.83	0.66	0.48
Total OECD	19.85	19.81	19.69	19.46	20.57	18.10	16.19	18.76	16.99	14.96
Non-OECD										
Russia	9.82	10.40	10.34	10.27	13.82	10.90	8.69	14.71	11.69	8.50
Other Eurasia ⁵	2.85	3.80	3.77	3.75	6.92	5.46	4.35	8.01	6.36	4.63
China	3.80	3.86	3.83	3.80	4.90	3.87	3.09	4.43	3.53	2.57
Other Asia ⁶	2.89	2.94	2.92	2.90	4.30	3.40	2.71	3.99	3.17	2.31
Middle East ⁷	1.69	1.61	2.00	1.59	2.36	2.40	1.48	2.45	2.90	1.42
Africa	2.49	2.93	2.92	2.90	4.86	3.83	3.06	5.03	3.99	2.91
Brazil	1.84	2.42	2.40	2.39	4.30	3.39	2.71	4.61	3.66	2.67
Other Central and South America	2.36	2.33	2.32	2.30	3.39	2.67	2.13	4.41	3.51	2.55
Total Non-OECD	27.73	30.28	30.51	29.89	44.83	35.94	28.23	47.64	38.81	27.55
Total Conventional Production	81.88	88.85	85.67	83.02	111.98	93.48	78.82	123.99	99.30	76.07
Unconventional Production⁸										
United States (50 states)	0.34	0.80	0.78	0.78	1.44	1.53	1.71	1.87	2.06	3.19
Other North America	1.23	1.89	1.91	1.92	1.71	2.85	3.48	2.10	3.96	4.88
OECD Europe ³	0.04	0.07	0.07	0.07	0.09	0.15	0.27	0.14	0.26	0.51
Middle East ⁷	0.00	0.03	0.03	0.03	0.18	0.31	0.36	0.66	1.24	1.45
Africa	0.17	0.31	0.31	0.31	0.27	0.44	0.79	0.44	0.83	1.51
Central and South America	0.80	1.17	1.18	1.19	1.05	1.76	2.46	1.33	2.51	3.64
Other	0.20	0.43	0.44	0.44	0.76	1.28	2.46	1.66	3.15	6.47
Total Unconventional Production	2.78	4.70	4.73	4.75	5.49	8.32	11.52	8.19	14.00	21.65
Total Production	84.66	93.55	90.40	87.76	117.47	101.80	90.34	132.18	113.31	97.71

Price Case Comparisons

Table C6. International Liquids Supply and Disposition Summary (Continued)
(Million Barrels per Day, Unless Otherwise Noted)

Supply and Disposition	2006	Projections								
		2010			2020			2030		
		Low Price	Reference	High Price	Low Price	Reference	High Price	Low Price	Reference	High Price
Consumption⁸										
OECD										
United States (50 states)	20.65	21.06	20.99	20.87	22.51	21.47	20.45	23.62	22.11	20.73
United States Territories	0.38	0.46	0.43	0.39	0.62	0.51	0.48	0.70	0.59	0.54
Canada	2.27	2.43	2.32	2.23	2.82	2.36	2.04	2.87	2.40	2.01
Mexico	2.06	2.29	2.19	2.10	3.09	2.61	2.24	3.53	2.95	2.48
OECD Europe ³	15.42	16.22	15.47	14.85	18.69	15.71	13.59	18.99	15.86	13.27
Japan	5.16	5.41	5.18	4.98	6.18	5.22	4.54	6.26	5.26	4.44
South Korea	2.18	2.36	2.25	2.16	3.07	2.57	2.23	3.37	2.81	2.36
Australia and New Zealand	1.03	1.12	1.07	1.03	1.41	1.19	1.03	1.54	1.28	1.08
Total OECD	49.16	51.36	49.90	48.61	58.38	51.64	46.60	60.88	53.28	46.89
Non-OECD										
Russia	2.79	3.00	2.89	2.80	3.65	3.13	2.77	3.90	3.32	2.84
Other Non-OECD Eurasia ⁵	2.09	2.37	2.26	2.17	3.11	2.64	2.29	3.50	2.96	2.50
China	7.26	9.86	9.44	9.08	14.21	11.96	10.39	18.73	15.69	13.20
India	2.49	2.81	2.68	2.57	4.30	3.62	3.14	5.23	4.37	3.67
Other Non-OECD Asia	6.14	6.97	6.67	6.40	9.86	8.35	7.20	11.74	9.86	8.29
Middle East ⁷	6.15	7.30	7.13	7.05	9.65	8.46	7.61	11.36	9.84	8.61
Africa	2.99	3.53	3.36	3.20	5.20	4.35	3.71	5.94	4.93	4.09
Brazil	2.34	2.69	2.57	2.47	3.75	3.15	2.72	4.42	3.68	3.08
Other Central and South America	3.26	3.68	3.51	3.41	5.37	4.51	3.90	6.48	5.37	4.53
Total Non-OECD	35.51	42.20	40.51	39.16	59.09	50.16	43.73	71.30	60.02	50.81
Total Consumption	84.66	93.55	90.40	87.76	117.48	101.80	90.34	132.18	113.30	97.70
OPEC Production ¹⁰	34.90	39.67	36.40	34.59	47.42	40.87	36.12	59.00	46.16	36.75
Non-OPEC Production ¹⁰	49.76	53.88	54.00	53.17	70.05	60.94	54.22	73.19	67.15	60.96
Net Eurasia Exports	9.63	11.25	11.37	11.44	18.28	13.98	10.70	19.92	15.43	10.46
OPEC Market Share	41.2	42.4	40.3	39.4	40.4	40.1	40.0	44.6	40.7	37.6

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

²Includes 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.

³OPEC = Organization of Petroleum Exporting Countries - Algeria, Angola, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela. Does not include Ecuador, which was admitted to OPEC as a full member on November 17, 2007.

⁴OECD 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.

⁵Eurasia consists of Armenia, Azerbaijan, Belarus, Estonia, Georgia, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine, and Uzbekistan.

⁶Other 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.

⁷Non-OPEC Middle East includes Turkey.

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

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

¹⁰Includes both conventional and nonconventional liquids production.

Note: Totals may not equal sum of components due to independent rounding. Data for 2006 are model results and may differ slightly from official EIA data reports.

Sources: 2006 low sulfur light crude oil price: Energy Information Administration (EIA), Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report." 2006 imported crude oil price: EIA, *Annual Energy Review 2006*, DOE/EIA-0384(2006) (Washington, DC, June 2007). **2006 quantities and projections:** Energy Information Administration, AEO2008 National Energy Modeling System runs LP2008.D031608A, AEO2008.D030208F, and HP2008.D031808A.