

Price Case Comparisons

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

Supply, Disposition, and Prices	2005	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	10.96	12.31	11.99	11.66	12.59	12.48	12.67	11.11	11.40	12.79
Natural Gas Plant Liquids	2.33	2.45	2.43	2.37	2.39	2.38	2.28	2.33	2.31	2.31
Dry Natural Gas	18.77	20.23	19.93	19.38	21.34	21.41	21.01	21.26	21.15	21.53
Coal ¹	23.20	24.09	24.47	24.68	24.56	26.61	29.80	27.22	33.52	38.32
Nuclear Power	8.13	8.23	8.23	8.23	8.49	9.23	9.39	8.32	9.33	10.31
Hydropower	2.71	3.02	3.02	3.02	3.07	3.08	3.09	3.09	3.09	3.09
Biomass ²	2.71	4.00	4.22	4.30	4.18	4.69	4.96	4.51	5.26	5.62
Other Renewable Energy ³	0.76	1.18	1.18	1.22	1.24	1.33	1.41	1.34	1.44	1.51
Other ⁴	0.22	0.77	0.67	0.85	1.03	0.89	0.98	1.24	1.12	1.12
Total	69.80	76.27	76.13	75.70	78.89	82.09	85.58	80.42	88.63	96.61
Imports										
Crude Oil ⁵	22.09	21.77	21.88	21.92	25.59	24.72	21.94	31.38	28.63	23.18
Liquid Fuels and Other Petroleum ⁶	7.16	6.54	6.02	5.78	9.66	7.05	5.35	12.83	9.02	5.24
Natural Gas	4.42	5.45	5.36	4.99	8.12	6.17	4.34	10.32	6.47	3.74
Other Imports ⁷	0.85	0.92	0.92	0.93	1.51	1.73	1.89	1.90	2.26	2.23
Total	34.52	34.68	34.18	33.62	44.88	39.66	33.53	56.43	46.37	34.39
Exports										
Petroleum ⁸	2.31	2.76	2.71	2.69	2.92	2.84	2.75	3.15	2.90	2.81
Natural Gas	0.75	0.70	0.69	0.68	0.84	0.69	0.56	1.24	0.87	0.49
Coal	1.27	1.12	1.12	1.11	0.81	0.80	0.83	0.65	0.69	0.69
Total	4.33	4.59	4.52	4.49	4.58	4.33	4.15	5.04	4.47	3.98
Discrepancy⁹	-0.20	-0.54	-0.70	-0.63	-0.11	-0.74	-0.79	0.07	-0.63	-0.74
Consumption										
Liquid Fuels and Other Petroleum ¹⁰	40.61	42.25	41.76	41.32	49.08	46.52	43.68	56.22	52.17	47.52
Natural Gas	22.63	25.11	24.73	23.83	28.78	27.04	24.70	30.62	26.89	24.60
Coal	22.87	23.86	24.24	24.45	25.20	27.29	29.60	28.43	34.14	36.39
Nuclear Power	8.13	8.23	8.23	8.23	8.49	9.23	9.39	8.32	9.33	10.31
Hydropower	2.71	3.02	3.02	3.02	3.07	3.08	3.09	3.09	3.09	3.09
Biomass ¹¹	2.38	3.22	3.30	3.35	3.40	3.64	3.85	3.69	4.06	4.24
Other Renewable Energy ³	0.76	1.18	1.18	1.22	1.24	1.33	1.41	1.34	1.44	1.51
Other ¹²	0.08	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.08
Total	100.19	106.90	106.50	105.46	119.29	118.16	115.75	131.75	131.16	127.74

Price Case Comparisons

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

Supply, Disposition, and Prices	2005	Projections								
		2010			2020			2030		
		Low Price	Reference	High Price	Low Price	Reference	High Price	Low Price	Reference	High Price
Prices (2005 dollars per unit)										
Petroleum (dollars per barrel)										
Imported Low Sulfur Light Crude Oil Price ¹³	56.76	49.21	57.47	69.21	34.10	52.04	89.12	35.68	59.12	100.14
Imported Crude Oil Price ¹³	49.19	44.06	51.20	62.53	28.91	46.47	82.60	28.91	51.63	92.93
Natural Gas (dollars per million Btu)										
Price at Henry Hub	8.60	5.62	6.28	6.91	4.66	5.71	6.46	5.53	6.52	8.27
Wellhead Price ¹⁴	7.29	4.99	5.59	6.16	4.12	5.07	5.75	4.91	5.80	7.41
Natural Gas (dollars per thousand cubic feet)										
Wellhead Price ¹⁴	7.51	5.14	5.76	6.35	4.25	5.22	5.92	5.06	5.98	7.63
Coal (dollars per ton)										
Minemouth Price ¹⁵	23.34	23.64	24.20	24.54	20.31	21.58	23.46	20.23	22.60	24.45
Coal (dollars per million Btu)										
Minemouth Price ¹⁵	1.15	1.16	1.18	1.20	1.01	1.08	1.17	1.02	1.15	1.25
Average Delivered Price ¹⁶	1.61	1.74	1.77	1.80	1.54	1.62	1.73	1.56	1.71	1.83
Average Electricity Price (cents per kilowatt-hour)										
	8.1	7.8	8.1	8.3	7.5	7.9	8.1	7.8	8.1	8.3

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; 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 A17 for selected nonmarketed residential and commercial renewable energy.

⁴Includes liquid hydrogen, methanol, and some domestic inputs to refineries.

⁵Includes imports of crude oil for the Strategic Petroleum Reserve.

⁶Includes imports of finished petroleum products, unfinished oils, alcohols, ethers, blending components, and renewable fuels such as ethanol.

⁷Includes coal, coal coke (net), and electricity (net).

⁸Includes crude oil and petroleum products.

⁹Balancing item. Includes unaccounted for supply, losses, gains, and net storage withdrawals.

¹⁰Includes 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.

¹¹Includes 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.

¹²Includes net electricity imports.

¹³Weighted average price delivered to U.S. refiners.

¹⁴Represents lower 48 onshore and offshore supplies.

¹⁵Includes reported prices for both open market and captive mines.

¹⁶Prices 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 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2005 natural gas supply values and natural gas wellhead price: EIA, *Natural Gas Monthly*, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2005 coal minemouth and delivered coal prices: EIA, *Annual Coal Report 2005*, DOE/EIA-0584(2005) (Washington, DC, October 2006). 2005 petroleum supply values: EIA, *Petroleum Supply Annual 2005*, DOE/EIA-0340(2005)/1 (Washington, DC, October 2006). 2005 low sulfur light crude oil price: EIA, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report." Other 2005 coal values: *Quarterly Coal Report, October-December 2005*, DOE/EIA-0121(2005/4Q) (Washington, DC, March 2006). Other 2005 values: EIA, *Annual Energy Review 2005*, DOE/EIA-0384(2005) (Washington, DC, July 2006). Projections: EIA, AEO2007 National Energy Modeling System runs LP2007.D112106A, AEO2007.D112106A, and HP2007.D112106A.

Price Case Comparisons

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

Sector and Source	2005	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	0.51	0.54	0.53	0.53	0.58	0.58	0.57	0.62	0.62	0.61
Kerosene	0.10	0.10	0.10	0.09	0.10	0.10	0.09	0.10	0.09	0.08
Distillate Fuel Oil	0.93	0.92	0.90	0.88	0.94	0.85	0.76	0.86	0.76	0.65
Liquid Fuels and Other Petroleum Subtotal	1.54	1.55	1.53	1.51	1.63	1.53	1.42	1.58	1.46	1.34
Natural Gas	4.98	5.23	5.18	5.14	5.53	5.43	5.37	5.56	5.47	5.35
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	0.42	0.43	0.43	0.38	0.40	0.43	0.37	0.39	0.41
Electricity	4.66	5.08	5.06	5.04	5.85	5.80	5.77	6.50	6.47	6.46
Delivered Energy	11.60	12.29	12.21	12.13	13.40	13.17	13.00	14.02	13.80	13.57
Electricity Related Losses	10.15	10.86	10.90	10.91	11.88	12.08	12.05	12.67	12.89	12.54
Total	21.75	23.15	23.11	23.04	25.28	25.26	25.05	26.69	26.70	26.11
Commercial										
Liquefied Petroleum Gases	0.09	0.09	0.09	0.09	0.10	0.10	0.09	0.10	0.10	0.10
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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Distillate Fuel Oil	0.48	0.46	0.45	0.44	0.57	0.48	0.44	0.63	0.49	0.45
Residual Fuel Oil	0.14	0.14	0.14	0.14	0.16	0.14	0.13	0.16	0.14	0.13
Liquid Fuels and Other Petroleum Subtotal	0.77	0.78	0.75	0.74	0.91	0.80	0.74	0.98	0.81	0.76
Natural Gas	3.15	3.37	3.31	3.26	3.97	3.86	3.75	4.45	4.36	4.13
Coal	0.10	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
Electricity	4.32	4.79	4.77	4.75	5.87	5.78	5.71	7.13	7.03	6.94
Delivered Energy	8.46	9.15	9.05	8.97	10.97	10.66	10.41	12.77	12.43	12.05
Electricity Related Losses	9.42	10.25	10.27	10.28	11.92	12.03	11.90	13.89	14.01	13.48
Total	17.88	19.40	19.33	19.25	22.88	22.69	22.31	26.66	26.44	25.53
Industrial⁴										
Liquefied Petroleum Gases	2.13	2.26	2.26	2.25	2.28	2.26	2.25	2.46	2.40	2.38
Motor Gasoline ²	0.32	0.32	0.32	0.31	0.33	0.33	0.33	0.35	0.36	0.35
Distillate Fuel Oil	1.23	1.19	1.18	1.16	1.25	1.22	1.19	1.33	1.26	1.25
Residual Fuel Oil	0.23	0.18	0.18	0.17	0.20	0.17	0.15	0.22	0.18	0.15
Petrochemical Feedstocks	1.38	1.50	1.48	1.47	1.53	1.50	1.48	1.57	1.57	1.53
Other Petroleum ⁵	4.45	4.17	4.05	4.10	4.51	4.34	4.16	5.06	4.78	4.53
Liquid Fuels and Other Petroleum Subtotal	9.73	9.62	9.47	9.47	10.10	9.82	9.56	10.99	10.55	10.19
Natural Gas	6.84	7.76	7.86	7.52	8.10	8.26	7.93	8.59	8.90	8.42
Natural-Gas-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.15
Lease and Plant Fuel ⁶	1.10	1.11	1.10	1.07	1.20	1.21	1.19	1.16	1.15	1.18
Natural Gas Subtotal	7.94	8.87	8.95	8.60	9.29	9.46	9.27	9.75	10.05	9.75
Metallurgical Coal	0.62	0.62	0.60	0.59	0.59	0.57	0.55	0.59	0.57	0.55
Other Industrial Coal	1.35	1.37	1.37	1.37	1.33	1.34	1.34	1.34	1.36	1.37
Coal-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.21	1.26	0.00	0.93	3.49
Net Coal Coke Imports	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Coal Subtotal	2.01	2.01	2.00	1.98	1.94	2.14	3.16	1.95	2.89	5.43
Biofuels Heat and Coproducts	0.24	0.59	0.69	0.71	0.60	0.78	0.78	0.62	0.88	0.96
Renewable Energy ⁷	1.44	1.61	1.60	1.58	1.84	1.81	1.78	2.07	2.05	2.02
Electricity	3.48	3.66	3.63	3.58	3.87	3.83	3.81	4.00	4.09	4.22
Delivered Energy	24.85	26.36	26.33	25.92	27.65	27.84	28.36	29.37	30.51	32.57
Electricity Related Losses	7.60	7.82	7.81	7.75	7.85	7.98	7.95	7.80	8.15	8.20
Total	32.45	34.18	34.14	33.67	35.50	35.82	36.32	37.17	38.66	40.77

Price Case Comparisons

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

Sector and Source	2005	Projections								
		2010			2020			2030		
		Low Price	Reference	High Price	Low Price	Reference	High Price	Low Price	Reference	High Price
Transportation										
Liquefied Petroleum Gases	0.04	0.05	0.05	0.05	0.06	0.06	0.10	0.07	0.08	0.14
E85 ⁸	0.00	0.00	0.00	0.00	0.01	0.01	0.04	0.02	0.02	0.30
Motor Gasoline ²	17.00	17.53	17.37	17.06	20.91	19.95	17.80	24.37	22.89	19.04
Jet Fuel ⁹	3.37	4.07	4.04	4.00	4.59	4.54	4.48	4.73	4.70	4.26
Distillate Fuel Oil ¹⁰	6.02	6.70	6.64	6.58	8.02	7.81	7.69	9.90	9.58	9.54
Residual Fuel Oil	0.81	0.82	0.82	0.82	0.85	0.85	0.84	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	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.20
Liquid Fuels and Other Petroleum Subtotal	27.42	29.36	29.11	28.71	34.62	33.41	31.14	40.16	38.34	34.35
Pipeline Fuel Natural Gas	0.58	0.67	0.66	0.64	0.81	0.79	0.74	0.83	0.79	0.75
Compressed Natural Gas	0.03	0.06	0.06	0.06	0.09	0.09	0.10	0.11	0.12	0.12
Electricity	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04
Delivered Energy	28.05	30.11	29.86	29.44	35.56	34.33	32.01	41.15	39.29	35.26
Electricity Related Losses	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.07
Total	28.11	30.17	29.92	29.50	35.63	34.40	32.08	41.23	39.37	35.34
Delivered Energy Consumption for All Sectors										
Liquefied Petroleum Gases	2.77	2.94	2.93	2.93	3.02	2.99	3.02	3.25	3.19	3.23
E85 ⁸	0.00	0.00	0.00	0.00	0.01	0.01	0.04	0.02	0.02	0.30
Motor Gasoline ²	17.37	17.90	17.74	17.43	21.30	20.34	18.18	24.78	23.30	19.44
Jet Fuel ⁹	3.37	4.07	4.04	4.00	4.59	4.54	4.48	4.73	4.70	4.26
Kerosene	0.14	0.15	0.14	0.14	0.15	0.14	0.13	0.15	0.14	0.13
Distillate Fuel Oil	8.65	9.27	9.17	9.06	10.78	10.36	10.08	12.72	12.09	11.90
Residual Fuel Oil	1.17	1.15	1.13	1.13	1.20	1.16	1.12	1.24	1.19	1.15
Petrochemical Feedstocks	1.38	1.50	1.48	1.47	1.53	1.50	1.48	1.57	1.57	1.53
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	4.61	4.33	4.22	4.26	4.67	4.51	4.33	5.24	4.96	4.70
Liquid Fuels and Other Petroleum Subtotal	39.46	41.31	40.86	40.43	47.26	45.55	42.86	53.71	51.17	46.65
Natural Gas	15.01	16.41	16.41	15.98	17.69	17.65	17.14	18.71	18.86	18.02
Natural-Gas-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.15
Lease and Plant Fuel ⁶	1.10	1.11	1.10	1.07	1.20	1.21	1.19	1.16	1.15	1.18
Pipeline Natural Gas	0.58	0.67	0.66	0.64	0.81	0.79	0.74	0.83	0.79	0.75
Natural Gas Subtotal	16.68	18.19	18.17	17.70	19.70	19.64	19.22	20.70	20.80	20.10
Metallurgical Coal	0.62	0.62	0.60	0.59	0.59	0.57	0.55	0.59	0.57	0.55
Other Coal	1.46	1.48	1.48	1.48	1.44	1.45	1.45	1.45	1.47	1.47
Coal-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.21	1.26	0.00	0.93	3.49
Net Coal Coke Imports	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Coal Subtotal	2.12	2.12	2.11	2.08	2.05	2.24	3.27	2.06	2.99	5.54
Biofuels Heat and Coproducts	0.24	0.59	0.69	0.71	0.60	0.78	0.78	0.62	0.88	0.96
Renewable Energy ¹³	1.97	2.15	2.14	2.13	2.35	2.34	2.33	2.56	2.56	2.55
Electricity	12.49	13.56	13.49	13.40	15.62	15.45	15.32	17.66	17.63	17.66
Delivered Energy	72.97	77.91	77.46	76.46	87.58	86.00	83.78	97.31	96.03	93.45
Electricity Related Losses	27.23	28.99	29.04	29.00	31.72	32.17	31.97	34.44	35.13	34.29
Total	100.19	106.90	106.50	105.46	119.29	118.16	115.75	131.75	131.16	127.74
Electric Power¹⁴										
Distillate Fuel Oil	0.19	0.23	0.24	0.23	0.57	0.25	0.26	1.10	0.28	0.28
Residual Fuel Oil	0.96	0.71	0.67	0.66	1.24	0.72	0.56	1.41	0.72	0.59
Liquid Fuels and Other Petroleum Subtotal	1.16	0.95	0.90	0.89	1.82	0.97	0.82	2.51	1.01	0.87
Natural Gas	5.95	6.92	6.56	6.13	9.08	7.40	5.48	9.92	6.09	4.50
Steam Coal	20.75	21.74	22.13	22.36	23.15	25.05	26.33	26.37	31.14	30.85
Nuclear Power	8.13	8.23	8.23	8.23	8.49	9.23	9.39	8.32	9.33	10.31
Renewable Energy ¹⁵	3.64	4.68	4.67	4.74	4.76	4.93	5.24	4.94	5.15	5.33
Electricity Imports	0.08	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.08
Total	39.71	42.54	42.53	42.40	47.34	47.62	47.30	52.10	52.77	51.95

Price Case Comparisons

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

Sector and Source	2005	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	2.77	2.94	2.93	2.93	3.02	2.99	3.02	3.25	3.19	3.23
E85 ⁸	0.00	0.00	0.00	0.00	0.01	0.01	0.04	0.02	0.02	0.30
Motor Gasoline ²	17.37	17.90	17.74	17.43	21.30	20.34	18.18	24.78	23.30	19.44
Jet Fuel ⁹	3.37	4.07	4.04	4.00	4.59	4.54	4.48	4.73	4.70	4.26
Kerosene	0.14	0.15	0.14	0.14	0.15	0.14	0.13	0.15	0.14	0.13
Distillate Fuel Oil	8.84	9.51	9.40	9.30	11.36	10.61	10.34	13.82	12.37	12.17
Residual Fuel Oil	2.14	1.86	1.80	1.79	2.44	1.88	1.68	2.65	1.91	1.74
Petrochemical Feedstocks	1.38	1.50	1.48	1.47	1.53	1.50	1.48	1.57	1.57	1.53
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	4.61	4.33	4.22	4.26	4.67	4.51	4.33	5.24	4.96	4.70
Liquid Fuels and Other Petroleum Subtotal	40.61	42.25	41.76	41.32	49.08	46.52	43.68	56.22	52.17	47.52
Natural Gas	20.96	23.33	22.97	22.12	26.77	25.05	22.62	28.63	24.95	22.52
Natural-Gas-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.15
Lease and Plant Fuel ⁶	1.10	1.11	1.10	1.07	1.20	1.21	1.19	1.16	1.15	1.18
Pipeline Natural Gas	0.58	0.67	0.66	0.64	0.81	0.79	0.74	0.83	0.79	0.75
Natural Gas Subtotal	22.63	25.11	24.73	23.83	28.78	27.04	24.70	30.62	26.89	24.60
Metallurgical Coal	0.62	0.62	0.60	0.59	0.59	0.57	0.55	0.59	0.57	0.55
Other Coal	22.21	23.22	23.61	23.84	24.59	26.50	27.78	27.82	32.61	32.32
Coal-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.21	1.26	0.00	0.93	3.49
Net Coal Coke Imports	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Coal Subtotal	22.87	23.86	24.24	24.45	25.20	27.29	29.60	28.43	34.14	36.39
Nuclear Power	8.13	8.23	8.23	8.23	8.49	9.23	9.39	8.32	9.33	10.31
Biofuels Heat and Coproducts	0.24	0.59	0.69	0.71	0.60	0.78	0.78	0.62	0.88	0.96
Renewable Energy ¹⁶	5.61	6.83	6.81	6.87	7.10	7.27	7.57	7.50	7.71	7.89
Electricity Imports	0.08	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.08
Total	100.19	106.90	106.50	105.46	119.29	118.16	115.75	131.75	131.16	127.74
Energy Use and Related Statistics										
Delivered Energy Use	72.97	77.91	77.46	76.46	87.58	86.00	83.78	97.31	96.03	93.45
Total Energy Use	100.19	106.90	106.50	105.46	119.29	118.16	115.75	131.75	131.16	127.74
Ethanol Consumed in Motor Gasoline and E85	0.33	0.77	0.91	0.95	0.79	1.06	1.05	0.87	1.22	1.30
Population (millions)	296.94	310.26	310.26	310.26	337.13	337.13	337.13	364.94	364.94	364.94
Gross Domestic Product (billion 2000 dollars)	11049	12850	12790	12708	17129	17077	17027	22532	22494	22472
Carbon Dioxide Emissions (million metric tons)	5945.3	6241.2	6214.0	6155.6	7040.2	6944.5	6830.5	7928.6	7950.2	7701.0

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.

³Includes commercial sector consumption of wood and wood waste, landfill gas, municipal solid 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, tire-derived fuel, 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 solid waste, and other biomass sources.

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 actually 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, tire-derived fuel, 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 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, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.

¹⁶Includes 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 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: 2005 consumption based on: Energy Information Administration (EIA), *Annual Energy Review 2005*, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2005 population and gross domestic product: Global Insight macroeconomic model CTL0806. 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 runs LP2007.D112106A, AEO2007.D112106A, and HP2007.D112106A.

Price Case Comparisons

Table C3. Energy Prices by Sector and Source
(2005 Dollars per Million Btu, Unless Otherwise Noted)

Sector and Source	2005	Projections								
		2010			2020			2030		
		Low Price	Reference	High Price	Low Price	Reference	High Price	Low Price	Reference	High Price
Residential										
Liquefied Petroleum Gases	19.29	23.03	23.67	24.29	22.18	23.18	23.92	22.98	23.91	25.65
Distillate Fuel Oil	14.73	12.63	14.87	16.58	9.09	13.15	18.95	9.66	14.13	19.84
Natural Gas	12.43	10.33	10.98	11.59	9.50	10.54	11.29	10.40	11.43	13.12
Electricity	27.59	26.24	26.91	27.58	25.24	26.37	26.96	26.08	26.76	27.24
Commercial										
Distillate Fuel Oil	12.68	10.58	12.72	14.58	7.15	11.35	16.85	7.88	12.45	18.06
Residual Fuel Oil	8.41	6.61	7.54	7.31	4.39	7.07	11.35	4.59	7.31	12.07
Natural Gas	11.20	8.70	9.34	9.94	7.65	8.67	9.41	8.33	9.30	10.99
Electricity	25.25	23.69	24.50	25.28	22.58	23.95	24.67	23.39	24.27	25.26
Industrial¹										
Liquefied Petroleum Gases	16.96	15.79	16.42	17.09	14.89	15.91	16.66	15.75	16.55	18.25
Distillate Fuel Oil	13.08	10.93	12.95	14.94	7.90	12.04	17.30	8.84	13.25	18.79
Residual Fuel Oil	7.77	8.42	9.50	10.74	6.15	8.91	14.15	6.41	9.58	15.36
Natural Gas ²	8.16	5.83	6.43	7.03	4.92	5.90	6.61	5.65	6.56	8.21
Metallurgical Coal	3.06	3.08	3.09	3.11	2.69	2.71	2.76	2.73	2.75	2.78
Other Industrial Coal	2.15	2.22	2.26	2.30	2.07	2.18	2.32	2.12	2.29	2.43
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.97	1.42	0.00	1.33	1.78
Electricity	16.69	17.35	18.01	18.64	16.11	17.07	17.41	16.95	17.43	17.72
Transportation										
Liquefied Petroleum Gases ³	23.92	23.72	24.34	24.88	22.68	23.66	24.20	23.35	24.29	25.85
E85 ⁴	23.10	22.00	21.29	22.41	18.58	20.61	23.33	19.38	21.50	25.54
Motor Gasoline ⁵	18.64	16.55	17.90	20.64	13.97	16.63	23.62	14.39	17.76	26.42
Jet Fuel ⁶	13.14	9.66	10.91	12.84	7.43	10.51	15.86	8.21	11.75	17.44
Distillate Fuel Oil ⁷	17.52	14.79	16.81	18.76	11.24	15.42	20.72	12.02	16.47	22.20
Residual Fuel Oil	5.51	6.89	8.05	9.83	4.76	7.36	12.85	5.03	8.27	14.38
Natural Gas ⁸	14.76	13.27	13.97	14.90	11.66	12.98	14.98	11.99	13.45	16.55
Electricity	25.22	23.98	24.86	25.66	22.90	24.22	24.77	23.72	24.46	25.19
Electric Power⁹										
Distillate Fuel Oil	11.38	9.44	11.71	13.59	5.07	9.84	15.34	5.43	10.79	15.94
Residual Fuel Oil	6.96	5.64	6.58	7.59	3.51	6.08	11.24	3.68	6.85	12.57
Natural Gas	8.18	5.64	6.22	6.75	4.93	5.76	6.32	5.71	6.33	7.79
Steam Coal	1.53	1.67	1.71	1.74	1.48	1.58	1.71	1.51	1.69	1.80
Average Price to All Users¹⁰										
Liquefied Petroleum Gases	17.48	17.39	18.02	18.68	16.60	17.62	18.44	17.44	18.30	20.13
E85 ⁴	23.10	22.00	21.29	22.41	18.58	20.61	23.33	19.38	21.50	25.54
Motor Gasoline ⁵	18.60	16.55	17.90	20.64	13.97	16.63	23.61	14.39	17.75	26.42
Jet Fuel	13.14	9.66	10.91	12.84	7.43	10.51	15.86	8.21	11.75	17.44
Distillate Fuel Oil	16.22	13.66	15.70	17.64	10.18	14.53	19.89	10.85	15.70	21.45
Residual Fuel Oil	6.59	6.54	7.61	8.90	4.22	7.00	12.31	4.39	7.79	13.68
Natural Gas	9.65	7.22	7.83	8.46	6.30	7.32	8.15	7.04	8.09	9.85
Metallurgical Coal	3.06	3.08	3.09	3.11	2.69	2.71	2.76	2.73	2.75	2.78
Other Coal	1.57	1.70	1.74	1.77	1.52	1.61	1.74	1.54	1.72	1.83
Coal to Liquids	0.00	0.00	0.00	0.00	0.00	0.97	1.42	0.00	1.33	1.78
Electricity	23.73	22.94	23.66	24.37	21.98	23.15	23.73	22.92	23.60	24.18

Price Case Comparisons

Table C3. Energy Prices by Sector and Source (Continued)
(2005 Dollars per Million Btu, Unless Otherwise Noted)

Sector and Source	2005	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 2005 dollars)										
Residential	215.13	212.43	220.44	227.60	222.50	236.03	246.06	250.70	262.21	276.15
Commercial	154.38	151.98	157.97	163.50	170.74	181.74	188.76	212.65	222.08	234.83
Industrial	196.07	187.02	200.48	213.85	169.84	194.88	224.73	193.83	222.08	269.71
Transportation	474.66	437.09	476.38	538.62	424.57	511.07	668.16	517.92	632.79	811.45
Total Non-Renewable Expenditures	1040.25	988.51	1055.27	1143.57	987.65	1123.73	1327.72	1175.11	1339.16	1592.14
Transportation Renewable Expenditures	0.03	0.05	0.06	0.09	0.13	0.15	0.89	0.40	0.51	7.62
Total Expenditures	1040.29	988.56	1055.33	1143.66	987.78	1123.89	1328.60	1175.51	1339.68	1599.77

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 actually 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.

N/A = Not applicable.

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

Sources: 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). 2005 residential and commercial natural gas delivered prices: EIA, *Natural Gas Monthly*, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 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). 2005 transportation sector natural gas delivered prices are model results. 2005 electric power sector natural gas prices: EIA, *Electric Power Monthly*, DOE/EIA-0226, May 2003 through April 2004, Table 4.11.A. 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. 2005 electricity prices: EIA, *Annual Energy Review 2005*, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2005 ethanol prices derived from weekly spot prices in the Oxy Fuel News. **Projections:** EIA, AEO2007 National Energy Modeling System runs LP2007.D112106A, AEO2007.D112106A, and HP2007.D112106A.

Price Case Comparisons

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

Supply and Disposition	2005	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	5.18	5.81	5.67	5.51	5.95	5.89	5.98	5.25	5.39	6.04
Alaska	0.86	0.69	0.69	0.69	0.69	0.74	0.71	0.25	0.27	0.42
Lower 48 States	4.31	5.12	4.98	4.82	5.25	5.15	5.28	4.99	5.12	5.62
Net Imports	10.09	9.94	9.99	10.01	11.69	11.29	10.02	14.35	13.09	10.59
Gross Imports	10.12	9.98	10.03	10.05	11.73	11.33	10.06	14.38	13.12	10.63
Exports	0.03	0.04	0.04	0.03	0.04	0.04	0.04	0.03	0.03	0.04
Other Crude Supply ²	-0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Crude Supply	15.22	15.75	15.66	15.52	17.64	17.19	16.00	19.60	18.47	16.63
Other Supply										
Natural Gas Plant Liquids	1.72	1.82	1.80	1.76	1.77	1.76	1.69	1.73	1.72	1.71
Net Product Imports	2.48	1.99	1.80	1.72	3.46	2.27	1.53	4.95	3.28	1.45
Gross Refined Product Imports ³	2.45	1.99	1.78	1.76	2.83	1.98	1.52	3.73	2.52	1.43
Unfinished Oil Imports	0.58	0.42	0.41	0.36	0.66	0.51	0.42	0.90	0.67	0.43
Ethanol Imports	0.01	0.01	0.02	0.02	0.01	0.04	0.04	0.05	0.05	0.05
Blending Component Imports	0.54	0.82	0.82	0.80	1.29	1.03	0.79	1.72	1.36	0.81
Exports	1.07	1.25	1.23	1.22	1.33	1.29	1.25	1.44	1.33	1.28
Refinery Processing Gain ⁴	0.99	1.18	1.21	1.16	1.18	1.41	1.28	1.22	1.49	1.37
Other Inputs	0.39	0.96	1.02	1.13	1.07	1.31	1.98	1.19	1.88	3.30
Ethanol	0.26	0.59	0.69	0.72	0.60	0.79	0.78	0.63	0.90	0.96
Liquids from Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.10
Liquids from Coal	0.00	0.00	0.00	0.00	0.00	0.10	0.60	0.00	0.44	1.65
Other ⁵	0.13	0.36	0.33	0.41	0.47	0.43	0.50	0.57	0.53	0.59
Total Primary Supply⁶	20.79	21.70	21.49	21.28	25.13	23.94	22.48	28.70	26.84	24.46
Liquid Fuels Consumption										
by Fuel										
Liquefied Petroleum Gases	2.03	2.22	2.22	2.21	2.28	2.26	2.29	2.46	2.42	2.45
E85 ⁷	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.01	0.02	0.21
Motor Gasoline ⁸	9.16	9.58	9.53	9.38	11.37	10.93	9.79	13.23	12.53	10.47
Jet Fuel ⁹	1.68	1.97	1.95	1.94	2.22	2.19	2.16	2.29	2.27	2.06
Distillate Fuel Oil ¹⁰	4.12	4.58	4.53	4.48	5.47	5.11	4.98	6.64	5.95	5.85
Residual Fuel Oil	0.92	0.81	0.79	0.78	1.06	0.82	0.73	1.16	0.83	0.76
Other ¹¹	2.84	2.63	2.57	2.58	2.79	2.70	2.61	3.06	2.93	2.80
by Sector										
Residential and Commercial	1.26	1.28	1.25	1.24	1.39	1.29	1.21	1.41	1.28	1.19
Industrial ¹²	5.07	5.08	5.01	5.00	5.30	5.16	5.04	5.75	5.53	5.37
Transportation	13.87	15.01	14.93	14.74	17.71	17.15	15.97	20.55	19.69	17.64
Electric Power ¹³	0.51	0.42	0.40	0.40	0.81	0.43	0.37	1.13	0.45	0.39
Total	20.75	21.79	21.59	21.37	25.21	24.03	22.59	28.84	26.95	24.60
Discrepancy¹⁴	0.04	-0.09	-0.10	-0.09	-0.08	-0.09	-0.11	-0.14	-0.11	-0.13

Price Case Comparisons

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

Supply and Disposition	2005	Projections								
		2010			2020			2030		
		Low Price	Reference	High Price	Low Price	Reference	High Price	Low Price	Reference	High Price
Domestic Refinery Distillation Capacity ¹⁵	17.1	17.9	17.8	18.0	19.0	18.7	18.1	21.0	20.0	18.5
Capacity Utilization Rate (percent) ¹⁶	91.0	89.4	89.1	87.5	94.2	93.4	89.6	94.7	93.5	91.1
Net Import Share of Product Supplied (percent)	60.5	55.0	54.9	55.1	60.3	56.6	51.4	67.3	61.0	49.2
Net Expenditures for Imported Crude Oil and Petroleum Products (billion 2005 dollars)	236.65	194.59	222.76	268.39	161.96	229.80	344.40	211.83	300.51	404.77

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.

⁴Represents volumetric gain in refinery distillation and cracking processes.

⁵Includes petroleum product stock withdrawals, domestic sources of blending components, other hydrocarbons, ethers, and renewable fuels such as biodiesel.

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 actually 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, tire-derived fuel, 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.

N/A = Not applicable.

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

Sources: 2005 imported crude oil price and petroleum product supplied based on: Energy Information Administration (EIA), *Annual Energy Review 2005*, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2005 imported low sulfur light crude oil price: EIA, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report." Other 2005 data: EIA, *Petroleum Supply Annual 2005*, DOE/EIA-0340(2005)/1 (Washington, DC, October 2006). Projections: EIA, AEO2007 National Energy Modeling System runs LP2007.D112106A, AEO2007.D112106A, and HP2007.D112106A.

Price Case Comparisons

Table C5. Petroleum Product Prices
(2005 Cents per Gallon, Unless Otherwise Noted)

Sector and Fuel	2005	Projections								
		2010			2020			2030		
		Low Price	Reference	High Price	Low Price	Reference	High Price	Low Price	Reference	High Price
Crude Oil Prices (2005 dollars per barrel)										
Imported Low Sulfur Light Crude Oil ¹	56.76	49.21	57.47	69.21	34.10	52.04	89.12	35.68	59.12	100.14
Imported Crude Oil ¹	49.19	44.06	51.20	62.53	28.91	46.47	82.60	28.91	51.63	92.93
Delivered Sector Product Prices										
Residential										
Liquefied Petroleum Gases	166.3	198.5	204.0	209.4	191.1	199.8	206.2	198.0	206.1	221.0
Distillate Fuel Oil	204.3	175.2	206.3	229.9	126.1	182.3	262.8	134.0	195.9	275.1
Commercial										
Distillate Fuel Oil	175.4	145.9	175.5	201.2	98.6	156.5	232.3	108.6	171.7	248.9
Residual Fuel Oil	126.0	99.0	112.8	109.5	65.8	105.8	169.8	68.7	109.4	180.7
Residual Fuel Oil (2005 dollars per barrel)	52.90	41.56	47.39	45.99	27.62	44.44	71.33	28.85	45.97	75.89
Industrial²										
Liquefied Petroleum Gases	146.2	136.1	141.5	147.3	128.3	137.1	143.6	135.7	142.6	157.3
Distillate Fuel Oil	181.1	150.3	178.1	205.4	108.5	165.3	237.5	121.4	181.8	257.9
Residual Fuel Oil	116.3	126.0	142.2	160.8	92.1	133.4	211.9	95.9	143.5	230.0
Residual Fuel Oil (2005 dollars per barrel)	48.86	52.94	59.74	67.52	38.68	56.04	88.98	40.29	60.25	96.58
Transportation										
Liquefied Petroleum Gases	206.1	204.4	209.8	214.4	195.5	203.9	208.6	201.2	209.3	222.8
Ethanol (E85) ³	217.1	205.4	198.5	208.8	173.6	192.1	217.3	181.0	200.4	237.9
Ethanol Wholesale Price	180.4	174.8	181.4	184.0	152.3	168.2	174.0	155.3	170.2	183.5
Motor Gasoline ⁴	231.6	201.8	217.3	250.1	170.7	201.9	286.1	175.8	215.4	320.1
Jet Fuel ⁵	177.4	130.5	147.2	173.3	100.3	141.8	214.1	110.8	158.6	235.5
Diesel Fuel (distillate fuel oil) ⁶	241.3	202.7	230.4	257.2	154.1	211.2	283.9	164.7	225.7	304.2
Residual Fuel Oil	82.4	103.2	120.5	147.2	71.2	110.2	192.4	75.2	123.8	215.2
Residual Fuel Oil (2005 dollars per barrel)	34.62	43.33	50.60	61.81	29.91	46.27	80.79	31.60	52.02	90.40
Electric Power⁷										
Distillate Fuel Oil	157.9	130.9	162.3	188.5	70.3	136.5	212.7	75.4	149.6	221.1
Residual Fuel Oil	104.2	84.4	98.5	113.7	52.6	91.0	168.3	55.0	102.5	188.1
Residual Fuel Oil (2005 dollars per barrel)	43.76	35.44	41.37	47.75	22.10	38.24	70.69	23.11	43.05	79.02
Refined Petroleum Product Prices⁸										
Liquefied Petroleum Gases	150.7	149.9	155.3	161.0	143.1	151.9	158.9	150.3	157.7	173.5
Motor Gasoline ⁴	231.1	201.8	217.3	250.1	170.6	201.8	286.0	175.8	215.4	320.1
Jet Fuel ⁵	177.4	130.5	147.2	173.3	100.3	141.8	214.1	110.8	158.6	235.5
Distillate Fuel Oil	223.9	187.8	215.9	242.5	139.8	199.4	273.0	149.0	215.5	294.4
Residual Fuel Oil	98.6	97.9	113.9	133.3	63.1	104.7	184.3	65.8	116.6	204.8
Residual Fuel Oil (2005 dollars per barrel)	41.42	41.10	47.84	55.97	26.50	43.98	77.40	27.63	48.96	86.01
Average	204.5	177.5	195.0	221.3	145.8	183.4	253.3	153.5	198.1	281.4

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 actually 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 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2005 imported low sulfur light crude oil price: Energy Information Administration (EIA), Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report." 2005 imported crude oil price: EIA, *Annual Energy Review 2005*, DOE/EIA-0384(2005) (Washington, DC, July 2006). 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). 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." 2005 electric power prices based on: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." 2005 ethanol prices derived from weekly spot prices in the Oxy Fuel News. 2005 wholesale ethanol prices derived from Bloomberg U.S. average rack price. **Projections:** EIA, AEO2007 National Energy Modeling System runs LP2007.D112106A, AEO2007.D112106A, and HP2007.D112106A.

Price Case Comparisons

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

Supply and Disposition	2005	Projections								
		2010			2020			2030		
		Low Price	Reference	High Price	Low Price	Reference	High Price	Low Price	Reference	High Price
Crude Oil Prices (2005 dollars per barrel)										
Imported Low Sulfur Light Crude Oil Price ¹	56.76	49.21	57.47	69.21	34.10	52.04	89.12	35.68	59.12	100.14
Imported Crude Oil Price ¹	49.19	44.06	51.20	62.53	28.91	46.47	82.60	28.91	51.63	92.93
Conventional Production (Conventional)²										
OPEC³										
Asia	1.17	1.11	1.11	0.96	1.17	1.09	0.76	1.30	1.10	0.70
Middle East	22.96	21.81	22.23	20.37	29.34	26.60	17.99	39.85	33.20	21.34
North Africa	3.78	4.33	4.29	3.55	4.57	4.24	2.87	4.48	3.93	2.48
West Africa	2.78	3.10	3.07	2.38	4.22	4.10	2.40	4.61	4.48	2.21
South America	2.71	2.95	2.59	2.57	3.10	2.30	2.23	3.02	2.24	2.15
Total OPEC	33.41	33.30	33.30	29.83	42.40	38.33	26.25	53.26	44.95	28.88
Non-OPEC										
OECD										
United States (50 states)	8.03	9.15	8.98	8.81	9.37	9.48	9.29	8.80	9.12	9.19
Canada	2.12	1.95	1.93	1.80	2.18	1.89	1.61	2.11	1.62	1.25
Mexico	3.78	3.23	3.15	3.08	3.51	3.18	3.04	4.05	3.52	2.99
OECD Europe ⁴	5.96	5.92	5.73	5.64	4.74	4.22	4.01	3.65	3.16	2.62
Japan	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Australia and New Zealand	0.60	0.56	0.56	0.56	0.56	0.51	0.51	0.64	0.60	0.56
Total OECD	20.59	20.90	20.45	19.99	20.46	19.39	18.56	19.34	18.12	16.71
Non-OECD										
Russia	9.51	10.30	9.98	9.88	11.80	10.79	10.39	13.18	11.54	9.60
Other Eurasia ⁵	2.48	4.10	3.98	3.88	6.01	5.41	5.22	7.50	6.55	5.53
China	3.74	3.63	3.53	3.42	3.70	3.30	3.20	3.80	3.20	2.60
Other Asia ⁶	2.53	2.39	2.29	2.19	2.90	2.60	2.50	2.90	2.50	2.10
Middle East ⁷	1.67	2.10	2.00	2.00	2.70	2.40	2.30	3.30	2.90	2.30
Africa	3.59	5.33	5.19	5.19	7.73	7.38	6.95	10.72	9.83	8.10
Brazil	1.76	2.49	2.39	2.39	3.50	3.20	3.10	4.40	3.90	3.20
Other Central and South America	2.31	2.34	2.32	2.20	2.96	2.66	2.56	3.26	2.90	2.46
Total Non-OECD	27.59	32.68	31.67	31.14	41.31	37.75	36.22	49.05	43.32	35.89
Total Conventional Production	81.59	86.88	85.42	80.97	104.16	95.47	81.03	121.66	106.40	81.48
Unconventional Production⁸										
United States (50 states)	0.25	0.61	0.71	0.74	0.61	0.91	1.62	0.64	1.37	3.20
Other North America	1.09	1.90	1.91	1.87	2.10	2.74	3.57	2.32	3.66	4.91
OECD Europe ³	0.08	0.14	0.15	0.17	0.18	0.19	0.36	0.24	0.27	0.53
Middle East ⁷	0.02	0.57	0.57	0.57	0.47	0.75	0.97	0.28	1.11	1.28
Africa	0.16	0.30	0.32	0.42	0.39	0.52	1.26	0.52	0.73	2.36
Central and South America	0.93	1.35	1.35	1.54	1.64	1.81	2.99	1.82	2.40	4.15
Other	0.28	0.50	0.62	0.60	0.57	0.90	1.55	0.60	1.41	3.69
Total Unconventional Production	2.80	5.36	5.63	5.91	5.95	7.83	12.33	6.41	10.93	20.12
Total Production	84.39	92.24	91.05	86.88	110.11	103.29	93.36	128.07	117.33	101.60

Price Case Comparisons

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

Supply and Disposition	2005	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)	20.75	21.78	21.59	21.37	25.20	24.02	22.57	28.83	26.93	24.44
United States Territories	0.38	0.45	0.43	0.39	0.58	0.51	0.48	0.68	0.59	0.56
Canada	2.28	2.44	2.42	2.35	2.55	2.49	2.35	2.68	2.59	2.34
Mexico	2.09	2.26	2.22	2.06	2.92	2.68	2.34	3.57	3.19	2.67
OECD Europe ³	15.73	15.81	15.82	15.42	16.03	15.76	15.02	16.61	16.26	14.84
Japan	5.58	5.43	5.42	5.28	5.52	5.43	5.17	5.57	5.45	4.97
South Korea	2.30	2.58	2.58	2.50	3.12	3.04	2.87	3.57	3.45	3.12
Australia and New Zealand	1.05	1.09	1.08	1.04	1.16	1.13	1.07	1.26	1.22	1.10
Total OECD	50.16	51.84	51.54	50.41	57.08	55.05	51.86	62.74	59.69	54.04
Non-OECD										
Russia	2.75	2.88	2.85	2.68	3.32	3.11	2.79	3.69	3.39	2.91
Other Non-OECD Eurasia ⁵	2.33	2.66	2.63	2.48	3.39	3.18	2.85	4.08	3.75	3.22
China	6.86	8.93	8.70	7.97	12.95	11.66	9.92	17.25	15.05	12.25
India	2.52	3.02	2.94	2.69	4.06	3.66	3.11	5.10	4.45	3.63
Other Non-OECD Asia	6.02	7.07	6.89	6.31	9.45	8.51	7.24	11.79	10.29	8.37
Middle East ⁷	5.56	6.17	6.06	5.63	7.62	7.00	6.11	8.72	7.81	6.52
Africa	3.01	3.80	3.70	3.39	4.77	4.30	3.66	5.65	4.93	4.02
Brazil	2.20	2.44	2.39	2.23	3.07	2.82	2.46	3.68	3.29	2.75
Other Central and South America	2.99	3.44	3.36	3.08	4.43	4.00	3.36	5.36	4.68	3.73
Total Non-OECD	34.23	40.40	39.52	36.46	53.08	48.23	41.49	65.33	57.64	47.40
Total Consumption	84.39	92.24	91.05	86.88	110.16	103.29	93.36	128.07	117.33	101.44
OPEC Production ¹⁰	34.04	34.72	34.72	31.25	43.89	40.19	29.26	54.68	47.65	33.29
Non-OPEC Production ¹⁰	50.35	57.52	56.34	55.63	66.22	63.10	64.10	73.39	69.68	68.30
Net Eurasia Exports	8.67	11.35	10.87	10.98	14.60	13.12	13.07	17.31	14.85	12.20
OPEC Market Share	40.3	37.6	38.1	36.0	39.9	38.9	31.3	42.7	40.6	32.8

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, 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.

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

Sources: 2005 low sulfur light crude oil price: Energy Information Administration (EIA), Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report." 2005 imported crude oil price: EIA, *Annual Energy Review 2005*, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2005 quantities and projections: Energy Information Administration, AEO2007 National Energy Modeling System runs LP2007.D112106A, AEO2007.D112106A, and HP2007.D112106A.

