

**Table B11. Petroleum Supply and Disposition Balance**  
(Million Barrels per Day, Unless Otherwise Noted)

Supply and Disposition	1996	Projections						
		2005						
		Reference Case	24 Percent Above	14 Percent Above	9 Percent Above	1990 Level	3 Percent Below	7 Percent Below
<b>Crude Oil</b>								
Domestic Crude Production <sup>1</sup> .....	6.48	6.02	6.01	6.00	6.00	6.00	6.00	6.00
Alaska .....	1.40	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Lower 48 States .....	5.08	5.09	5.07	5.07	5.07	5.07	5.06	5.07
Net Imports .....	7.40	9.81	9.80	9.77	9.72	9.71	9.65	9.63
Gross Imports .....	7.51	9.91	9.90	9.87	9.82	9.81	9.76	9.73
Exports .....	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Other Crude Supply <sup>2</sup> .....	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total Crude Supply</b> .....	<b>13.87</b>	<b>15.83</b>	<b>15.81</b>	<b>15.78</b>	<b>15.73</b>	<b>15.71</b>	<b>15.65</b>	<b>15.63</b>
<b>Natural Gas Plant Liquids</b> .....	<b>1.83</b>	<b>1.95</b>	<b>1.97</b>	<b>1.98</b>	<b>2.00</b>	<b>2.02</b>	<b>2.02</b>	<b>2.01</b>
<b>Other Inputs<sup>3</sup></b> .....	<b>0.39</b>	<b>0.28</b>	<b>0.28</b>	<b>0.28</b>	<b>0.23</b>	<b>0.23</b>	<b>0.23</b>	<b>0.23</b>
<b>Refinery Processing Gain<sup>4</sup></b> .....	<b>0.84</b>	<b>0.86</b>	<b>0.84</b>	<b>0.83</b>	<b>0.81</b>	<b>0.81</b>	<b>0.81</b>	<b>0.82</b>
<b>Net Product Imports<sup>5</sup></b> .....	<b>1.10</b>	<b>2.08</b>	<b>2.07</b>	<b>1.95</b>	<b>1.87</b>	<b>1.78</b>	<b>1.78</b>	<b>1.75</b>
Gross Refined Prod. Imports .....	1.39	2.07	2.16	2.06	1.94	1.85	1.86	1.85
Unfinished Oil Imports .....	0.37	0.82	0.72	0.68	0.68	0.67	0.66	0.66
Ethers Imported .....	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Blending Components Imported .....	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Exports .....	0.87	0.85	0.86	0.85	0.80	0.79	0.79	0.81
<b>Total Primary Supply<sup>6</sup></b> .....	<b>18.03</b>	<b>21.00</b>	<b>20.96</b>	<b>20.81</b>	<b>20.63</b>	<b>20.55</b>	<b>20.49</b>	<b>20.45</b>
<b>Refined Petroleum Products Supplied</b>								
Motor Gasoline <sup>7</sup> .....	7.99	9.12	9.11	9.06	9.00	8.97	8.95	8.93
Jet Fuel <sup>8</sup> .....	1.58	2.11	2.10	2.09	2.08	2.07	2.06	2.06
Distillate Fuel <sup>9</sup> .....	3.32	3.87	3.84	3.80	3.77	3.75	3.75	3.73
Residual Fuel .....	0.90	0.83	0.84	0.82	0.81	0.80	0.79	0.81
Other <sup>10</sup> .....	4.66	5.13	5.12	5.08	5.03	5.00	4.99	4.97
<b>Total</b> .....	<b>18.45</b>	<b>21.05</b>	<b>21.01</b>	<b>20.86</b>	<b>20.69</b>	<b>20.60</b>	<b>20.54</b>	<b>20.49</b>
<b>Refined Petroleum Products Supplied</b>								
Residential and Commercial .....	1.13	1.05	1.05	1.03	1.01	1.01	1.00	1.00
Industrial <sup>11</sup> .....	4.87	5.33	5.33	5.29	5.24	5.21	5.20	5.18
Transportation .....	12.12	14.48	14.46	14.38	14.28	14.23	14.20	14.16
Electric Generators <sup>12</sup> .....	0.33	0.19	0.18	0.16	0.15	0.15	0.14	0.15
<b>Total</b> .....	<b>18.45</b>	<b>21.05</b>	<b>21.01</b>	<b>20.86</b>	<b>20.69</b>	<b>20.60</b>	<b>20.54</b>	<b>20.49</b>
<b>Discrepancy<sup>13</sup></b> .....	<b>-0.42</b>	<b>-0.05</b>	<b>-0.05</b>	<b>-0.05</b>	<b>-0.05</b>	<b>-0.05</b>	<b>-0.05</b>	<b>-0.04</b>
<b>World Oil Price (1996 dollars per barrel)<sup>14</sup></b> .....	<b>20.48</b>	<b>20.26</b>	<b>20.12</b>	<b>20.04</b>	<b>19.96</b>	<b>19.95</b>	<b>19.91</b>	<b>19.89</b>
<b>Import Share of Product Supplied</b> .....	<b>0.46</b>	<b>0.56</b>	<b>0.56</b>	<b>0.56</b>	<b>0.56</b>	<b>0.56</b>	<b>0.56</b>	<b>0.56</b>
<b>Net Expenditures for Imported Crude Oil and Petroleum Products (billion 1996 dollars)</b> .....								
Domestic Refinery Distillation Capacity .....	15.4	16.7	16.7	16.6	16.6	16.5	16.5	16.4
Capacity Utilization Rate (percent) .....	94.0	95.0	95.1	95.2	95.3	95.3	95.3	95.3

**Table B11. Petroleum Supply and Disposition Balance (Continued)**  
(Million Barrels per Day, Unless Otherwise Noted)

Projections													
2010							2020						
Reference Case	24 Percent Above	14 Percent Above	9 Percent Above	1990 Level	3 Percent Below	7 Percent Below	Reference Case	24 Percent Above	14 Percent Above	9 Percent Above	1990 Level	3 Percent Below	7 Percent Below
5.86	5.82	5.76	5.74	5.70	5.68	5.67	5.18	5.00	4.94	4.93	4.84	4.78	4.73
0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.47	0.47	0.47	0.47	0.47	0.47	0.47
5.11	5.07	5.02	4.99	4.96	4.94	4.93	4.70	4.53	4.47	4.46	4.37	4.32	4.27
10.17	10.13	10.10	10.03	9.73	9.56	9.24	11.34	11.22	11.31	11.32	11.30	11.26	11.12
10.17	10.17	10.15	10.10	9.73	9.62	9.35	11.39	11.27	11.35	11.36	11.32	11.31	11.12
0.00	0.04	0.05	0.08	0.00	0.06	0.11	0.05	0.05	0.05	0.04	0.01	0.05	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.03	15.95	15.86	15.77	15.44	15.24	14.91	16.52	16.23	16.25	16.25	16.14	16.04	15.85
2.15	2.18	2.26	2.35	2.39	2.37	2.33	2.43	2.56	2.62	2.67	2.65	2.59	2.51
0.29	0.25	0.28	0.28	0.28	0.40	0.43	0.29	0.28	0.31	0.31	0.44	0.49	0.49
0.82	0.79	0.79	0.78	0.74	0.73	0.72	0.77	0.70	0.69	0.66	0.65	0.69	0.69
3.14	2.74	2.12	1.86	1.38	1.17	1.09	3.96	3.37	3.07	2.99	2.47	2.12	1.74
2.96	2.80	2.19	1.93	1.61	1.54	1.49	3.58	3.09	2.85	2.81	2.44	2.11	1.74
0.95	0.74	0.72	0.70	0.50	0.34	0.30	1.04	0.93	0.90	0.88	0.81	0.76	0.74
0.06	0.06	0.05	0.05	0.02	0.00	0.00	0.11	0.10	0.08	0.07	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.84	0.87	0.84	0.82	0.74	0.71	0.70	0.77	0.76	0.75	0.77	0.79	0.75	0.74
22.42	21.92	21.31	21.04	20.22	19.91	19.48	23.98	23.14	22.94	22.88	22.34	21.93	21.28
9.66	9.41	9.06	8.88	8.42	8.22	7.89	10.20	9.70	9.52	9.38	8.93	8.70	8.37
2.40	2.37	2.30	2.26	2.14	2.09	2.02	2.87	2.79	2.77	2.74	2.68	2.65	2.58
4.06	3.96	3.87	3.84	3.74	3.73	3.70	4.23	4.07	4.03	4.12	4.17	4.07	3.92
0.89	0.87	0.85	0.85	0.84	0.85	0.90	0.98	0.95	0.95	0.99	0.98	0.97	0.97
5.47	5.36	5.28	5.26	5.12	5.05	5.01	5.75	5.67	5.71	5.68	5.62	5.57	5.47
22.47	21.97	21.36	21.09	20.25	19.95	19.51	24.02	23.18	22.98	22.92	22.38	21.96	21.31
1.04	1.00	0.97	0.96	0.92	0.90	0.87	1.01	0.96	0.95	0.95	0.91	0.89	0.86
5.65	5.55	5.49	5.49	5.35	5.30	5.30	5.91	5.85	5.92	5.94	5.90	5.86	5.76
15.63	15.29	14.79	14.54	13.88	13.61	13.18	16.97	16.29	16.01	15.81	15.24	14.97	14.56
0.16	0.13	0.11	0.11	0.11	0.15	0.17	0.13	0.08	0.10	0.22	0.32	0.25	0.14
22.47	21.97	21.36	21.09	20.25	19.95	19.51	24.02	23.18	22.98	22.92	22.38	21.96	21.31
-0.05	-0.05	-0.04	-0.05	-0.04	-0.04	-0.03	-0.04	-0.04	-0.04	-0.04	-0.03	-0.04	-0.04
20.77	19.99	19.15	18.72	18.11	17.82	17.54	21.69	20.14	19.81	19.73	19.08	18.74	18.38
0.59	0.59	0.57	0.56	0.55	0.54	0.53	0.64	0.63	0.63	0.62	0.62	0.61	0.60
103.21	96.11	86.36	81.85	73.36	69.65	65.92	123.11	108.06	104.10	103.12	95.98	91.83	85.88
16.9	16.8	16.7	16.6	16.6	16.5	16.4	17.5	17.1	17.1	17.2	17.1	17.0	16.7
95.1	95.2	95.2	95.0	93.4	92.8	90.9	95.1	95.2	95.2	95.1	94.9	94.9	95.2

<sup>1</sup>Includes lease condensate.

<sup>2</sup>Strategic petroleum reserve stock additions plus unaccounted for crude oil and crude stock withdrawals minus crude products supplied.

<sup>3</sup>Includes alcohols, ethers, petroleum product stock withdrawals, domestic sources of blending components, and other hydrocarbons.

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

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

<sup>6</sup>Total crude supply plus natural gas plant liquids, other inputs, refinery processing gain, and net petroleum imports.

<sup>7</sup>Includes ethanol and ethers blended into gasoline.

<sup>8</sup>Includes naphtha and kerosene types.

<sup>9</sup>Includes distillate and kerosene.

<sup>10</sup>Includes aviation gasoline, liquefied petroleum gas, petrochemical feedstocks, lubricants, waxes, asphalt, road oil, still gas, special naphthas, petroleum coke, crude oil product supplied, and miscellaneous petroleum products.

<sup>11</sup>Includes consumption by cogenerators.

<sup>12</sup>Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy.

<sup>13</sup>Balancing item. Includes unaccounted for supply, losses and gains.

<sup>14</sup>Average refiner acquisition cost for imported crude oil.

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

Sources: 1996 expenditures for imported crude oil and petroleum products based on internal calculations. Other 1996 data: Energy Information Administration (EIA), *Petroleum Supply Annual 1996*, DOE/EIA-0340(96) (Washington, DC, June 1997). Projections: EIA, AEO98 National Energy Modeling System runs KYBASE.D080398A, FD24ABV.D080398B, FD1998.D080398B, FD09ABV.D080398B, FD1990.D080398B, FD03BLW.D080398B, and FD07BLW.D080398B.

**Table B12. Petroleum Product Prices**  
(1996 Cents per Gallon Unless Otherwise Noted)

Sector and Fuel	1996	Projections						
		2005						
		Reference Case	24 Percent Above	14 Percent Above	9 Percent Above	1990 Level	3 Percent Below	7 Percent Below
World Oil Price (1996 dollars per barrel) .....	20.48	20.26	20.12	20.04	19.96	19.95	19.91	19.89
<b>Delivered Sector Product Prices</b>								
<b>Residential</b>								
Distillate Fuel .....	98.4	105.3	106.5	117.6	124.8	127.6	129.7	132.0
Liquefied Petroleum Gas .....	100.0	104.5	105.5	111.1	114.1	115.5	116.7	117.9
<b>Commercial</b>								
Distillate Fuel .....	73.1	74.5	75.8	87.0	94.2	96.9	99.0	101.4
Residual Fuel .....	48.4	46.0	47.8	61.8	70.0	73.3	75.8	78.5
Residual Fuel (1996 dollars per barrel) .....	20.35	19.31	20.09	25.97	29.39	30.77	31.82	32.95
<b>Industrial<sup>1</sup></b>								
Distillate Fuel .....	76.3	75.3	76.7	88.0	95.2	97.8	100.1	102.4
Liquefied Petroleum Gas .....	67.3	57.9	58.9	64.3	67.3	68.8	69.9	71.1
Residual Fuel .....	44.8	41.1	42.6	56.4	64.9	68.2	70.7	73.4
Residual Fuel (1996 dollars per barrel) .....	18.81	17.28	17.88	23.68	27.27	28.62	29.70	30.84
<b>Transportation</b>								
Diesel Fuel (distillate) <sup>2</sup> .....	123.5	117.4	119.5	130.5	137.2	139.7	141.9	144.1
Jet Fuel <sup>3</sup> .....	74.6	72.5	74.4	85.1	91.6	94.0	96.0	98.0
Motor Gasoline <sup>4</sup> .....	122.5	123.0	125.1	134.2	140.6	143.1	144.9	146.8
Liquefied Petroleum Gas .....	109.0	112.1	113.1	118.6	121.5	122.9	124.0	125.2
Residual Fuel .....	38.2	40.5	41.8	55.6	64.3	67.4	70.0	72.5
Residual Fuel (1996 dollars per barrel) .....	16.04	17.00	17.58	23.36	27.00	28.32	29.40	30.45
E85 .....	141.7	146.2	146.5	148.4	149.2	149.6	149.8	150.1
M85 .....	89.6	91.8	92.3	97.6	100.9	102.2	103.2	104.2
<b>Electric Generators<sup>5</sup></b>								
Distillate Fuel .....	68.1	68.9	70.7	82.2	89.5	92.2	94.5	96.9
Residual Fuel .....	45.9	46.4	47.2	61.6	70.4	74.1	76.7	79.1
Residual Fuel (1996 dollars per barrel) .....	19.28	19.49	19.81	25.86	29.58	31.14	32.19	33.23
<b>Refined Petroleum Product Prices<sup>6</sup></b>								
Distillate Fuel .....	108.7	107.0	109.0	120.1	126.9	129.4	131.7	133.9
Jet Fuel <sup>3</sup> .....	74.6	72.5	74.4	85.1	91.6	94.0	96.0	98.0
Liquefied Petroleum Gas .....	73.6	68.1	69.2	74.6	77.5	79.0	80.1	81.3
Motor Gasoline <sup>4</sup> .....	122.5	122.8	124.9	134.0	140.4	142.9	144.7	146.6
Residual Fuel .....	42.5	42.0	43.3	57.2	65.8	69.0	71.5	74.1
Residual Fuel (1996 dollars per barrel) .....	17.87	17.64	18.20	24.01	27.63	28.98	30.03	31.13
<b>Average</b> .....	<b>102.8</b>	<b>101.9</b>	<b>103.7</b>	<b>113.0</b>	<b>119.0</b>	<b>121.4</b>	<b>123.2</b>	<b>125.0</b>

**Table B12. Petroleum Product Prices (Continued)**  
(1996 Cents per Gallon Unless Otherwise Noted)

Projections													
2010							2020						
Reference Case	24 Percent Above	14 Percent Above	9 Percent Above	1990 Level	3 Percent Below	7 Percent Below	Reference Case	24 Percent Above	14 Percent Above	9 Percent Above	1990 Level	3 Percent Below	7 Percent Below
20.77	19.99	19.15	18.72	18.11	17.82	17.54	21.69	20.14	19.81	19.73	19.08	18.74	18.38
107.9	122.9	137.7	145.2	167.9	177.9	192.0	108.5	130.9	136.9	141.6	155.9	165.1	181.2
107.9	114.7	120.1	123.1	132.4	137.5	144.9	107.8	117.5	118.5	120.7	128.0	133.1	141.5
77.3	92.3	107.1	114.5	136.9	147.0	161.2	78.5	100.5	106.0	110.7	125.1	134.3	150.5
47.6	66.3	84.2	93.8	121.2	133.2	150.0	50.5	78.3	85.1	90.7	107.9	120.0	139.6
20.01	27.86	35.35	39.38	50.90	55.96	63.01	21.23	32.90	35.75	38.08	45.31	50.38	58.65
78.7	93.7	108.6	115.8	137.7	147.9	162.2	81.3	102.7	107.6	112.3	126.7	135.9	152.1
60.5	67.2	72.6	75.6	85.0	90.1	98.1	60.3	70.0	70.6	73.1	80.8	85.9	93.8
44.0	62.5	80.1	89.2	115.7	128.1	144.5	47.3	74.4	80.7	85.9	102.5	114.2	133.4
18.47	26.23	33.64	37.47	48.61	53.79	60.70	19.86	31.26	33.89	36.10	43.04	47.95	56.04
117.8	132.9	147.9	155.1	175.6	185.4	199.5	114.0	135.2	140.1	144.6	159.5	168.9	185.1
75.8	90.3	103.3	110.1	129.8	138.3	151.1	77.8	98.9	104.0	108.2	122.0	130.5	144.9
125.4	139.3	150.4	155.5	172.0	179.8	191.6	124.0	142.0	145.5	149.3	159.7	167.4	180.2
113.7	120.4	125.6	128.6	137.5	142.6	149.8	110.1	119.8	121.0	123.2	130.2	135.2	143.4
43.5	62.3	80.0	89.2	115.5	127.8	144.7	46.1	73.6	80.2	85.3	102.5	114.3	134.1
18.25	26.17	33.59	37.45	48.51	53.67	60.76	19.35	30.93	33.68	35.83	43.05	47.99	56.32
149.6	150.2	146.5	146.5	162.1	168.4	175.4	148.3	144.8	145.5	147.9	155.9	160.3	170.7
92.5	99.1	104.8	107.7	117.2	121.5	126.0	92.9	101.5	103.5	105.6	111.2	115.4	122.6
72.3	88.0	103.6	111.4	132.5	140.7	154.5	74.4	96.9	100.0	104.3	118.6	127.8	144.0
49.2	69.2	88.0	97.6	125.1	136.3	153.3	53.2	84.8	93.3	100.6	120.7	132.3	150.5
20.67	29.08	36.95	41.00	52.52	57.25	64.40	22.36	35.62	39.20	42.25	50.68	55.57	63.22
108.4	123.5	138.5	145.6	166.6	176.3	190.3	106.3	127.7	132.3	135.7	149.5	159.4	176.5
75.8	90.3	103.3	110.1	129.8	138.3	151.1	77.8	98.9	104.0	108.2	122.0	130.5	144.9
71.5	78.1	83.4	86.3	95.6	100.5	108.1	71.8	81.5	82.2	84.6	91.7	96.6	104.5
125.2	139.1	150.2	155.3	171.8	179.6	191.4	123.9	141.8	145.3	149.2	159.6	167.3	180.1
44.6	63.5	81.1	90.4	116.9	129.3	146.1	47.2	74.7	81.2	86.4	103.4	115.2	135.0
18.73	26.65	34.07	37.95	49.10	54.29	61.37	19.81	31.39	34.11	36.27	43.43	48.39	56.69
104.1	117.0	128.2	133.4	150.0	157.8	169.1	102.9	120.6	124.0	127.5	138.3	146.0	158.9

<sup>1</sup>Includes cogenerators. Includes Federal and State taxes while excluding county and state taxes.

<sup>2</sup>Low sulfur diesel fuel. Includes Federal and State taxes while excluding county and local taxes.

<sup>3</sup>Kerosene-type jet fuel.

<sup>4</sup>Sales weighted-average price for all grades. Includes Federal and State taxes while excluding county and local taxes.

<sup>5</sup>Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy.

<sup>6</sup>Weighted averages of end-use fuel prices are derived from the prices in each sector and the corresponding sectoral consumption.

**Sources:** 1996 prices for gasoline, distillate, and jet fuel are based on prices in various issues of Energy Information Administration, *Petroleum Marketing Monthly*, DOE/EIA-0380(96/03-97/04) (Washington, DC, 1996-97). 1996 prices for all other petroleum products are derived from EIA, *State Energy Price and Expenditures Report: 1994*, DOE/EIA-0376(94) (Washington, DC, June 1997). **Projections:** EIA, AEO98 National Energy Modeling System runs KYBASE.D080398A, FD24ABV.D080398B, FD1998.D080398B, FD09ABV.D080398B, FD1990.D080398B, FD03BLW.D080398B, and FD07BLW.D080398B.

**Table B13. Natural Gas Supply and Disposition**  
(Trillion Cubic Feet per Year)

Supply, Disposition, and Prices	1996	Projections						
		2005						
		Reference Case	24 Percent Above	14 Percent Above	9 Percent Above	1990 Level	3 Percent Below	7 Percent Below
<b>Production</b>								
Dry Gas Production <sup>1</sup> .....	19.02	21.43	21.63	21.65	21.91	22.12	22.15	22.10
Supplemental Natural Gas <sup>2</sup> .....	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11
<b>Net Imports</b> .....	<b>2.72</b>	<b>4.49</b>	<b>4.63</b>	<b>4.62</b>	<b>4.68</b>	<b>4.69</b>	<b>5.03</b>	<b>5.07</b>
Canada .....	2.76	4.36	4.32	4.32	4.37	4.38	4.46	4.50
Mexico .....	-0.02	-0.14	0.04	0.04	0.04	0.04	0.30	0.30
Liquefied Natural Gas .....	-0.03	0.27	0.27	0.27	0.27	0.27	0.27	0.27
<b>Total Supply</b> .....	<b>21.86</b>	<b>26.03</b>	<b>26.37</b>	<b>26.38</b>	<b>26.70</b>	<b>26.92</b>	<b>27.30</b>	<b>27.28</b>
<b>Consumption by Sector</b>								
Residential .....	5.23	5.37	5.36	5.20	5.10	5.07	5.05	5.01
Commercial .....	3.20	3.53	3.52	3.41	3.33	3.30	3.28	3.24
Industrial <sup>3</sup> .....	8.43	9.23	9.23	9.26	9.35	9.36	9.38	9.37
Electric Generators <sup>4</sup> .....	2.98	5.28	5.60	5.86	6.27	6.54	6.92	6.95
Lease and Plant Fuel <sup>5</sup> .....	1.25	1.42	1.43	1.44	1.45	1.46	1.46	1.46
Pipeline Fuel .....	0.71	0.78	0.81	0.80	0.80	0.80	0.81	0.81
Transportation <sup>6</sup> .....	0.01	0.17	0.17	0.17	0.17	0.17	0.17	0.17
<b>Total</b> .....	<b>21.82</b>	<b>25.80</b>	<b>26.13</b>	<b>26.15</b>	<b>26.46</b>	<b>26.69</b>	<b>27.06</b>	<b>27.01</b>
<b>Discrepancy<sup>7</sup></b> .....	<b>0.04</b>	<b>0.23</b>	<b>0.24</b>	<b>0.23</b>	<b>0.24</b>	<b>0.23</b>	<b>0.23</b>	<b>0.27</b>

**Table B13. Natural Gas Supply and Disposition (Continued)**  
(Trillion Cubic Feet per Year)

Projections													
2010							2020						
Reference Case	24 Percent Above	14 Percent Above	9 Percent Above	1990 Level	3 Percent Below	7 Percent Below	Reference Case	24 Percent Above	14 Percent Above	9 Percent Above	1990 Level	3 Percent Below	7 Percent Below
23.67	24.11	25.00	25.94	26.35	26.18	25.78	26.91	28.26	28.97	29.44	29.31	28.57	27.74
0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.05	0.06	0.06	0.06	0.06	0.06	0.06
<b>4.72</b>	<b>4.87</b>	<b>5.03</b>	<b>5.23</b>	<b>5.37</b>	<b>5.66</b>	<b>5.68</b>	<b>5.07</b>	<b>5.53</b>	<b>5.70</b>	<b>5.83</b>	<b>5.79</b>	<b>6.10</b>	<b>6.10</b>
4.58	4.52	4.69	4.89	4.99	5.01	5.03	4.95	5.12	5.29	5.41	5.38	5.41	5.41
-0.15	0.06	0.06	0.06	0.06	0.32	0.32	-0.17	0.09	0.09	0.09	0.09	0.36	0.36
0.29	0.29	0.29	0.29	0.33	0.33	0.33	0.29	0.33	0.33	0.33	0.33	0.33	0.33
<b>28.44</b>	<b>29.03</b>	<b>30.09</b>	<b>31.23</b>	<b>31.78</b>	<b>31.90</b>	<b>31.51</b>	<b>32.03</b>	<b>33.85</b>	<b>34.73</b>	<b>35.33</b>	<b>35.16</b>	<b>34.73</b>	<b>33.90</b>
5.55	5.28	5.00	4.86	4.59	4.50	4.38	5.81	5.29	5.07	4.95	4.75	4.67	4.55
3.69	3.49	3.27	3.13	2.84	2.73	2.57	3.82	3.45	3.28	3.18	3.00	2.91	2.76
9.56	9.58	9.58	9.56	9.44	9.44	9.16	9.69	9.50	9.27	9.11	9.10	9.09	9.26
6.76	7.76	9.28	10.63	11.86	12.18	12.39	9.43	12.22	13.66	14.61	14.84	14.65	14.01
1.55	1.57	1.61	1.66	1.68	1.67	1.65	1.76	1.82	1.86	1.88	1.87	1.83	1.79
0.85	0.87	0.88	0.93	0.92	0.93	0.92	0.96	1.03	1.06	1.07	1.07	1.05	1.02
0.25	0.24	0.23	0.22	0.21	0.21	0.20	0.32	0.31	0.30	0.30	0.29	0.28	0.28
<b>28.20</b>	<b>28.79</b>	<b>29.86</b>	<b>31.00</b>	<b>31.55</b>	<b>31.66</b>	<b>31.28</b>	<b>31.79</b>	<b>33.62</b>	<b>34.50</b>	<b>35.11</b>	<b>34.93</b>	<b>34.49</b>	<b>33.67</b>
<b>0.24</b>	<b>0.24</b>	<b>0.23</b>	<b>0.23</b>	<b>0.23</b>	<b>0.23</b>	<b>0.23</b>	<b>0.24</b>	<b>0.23</b>	<b>0.23</b>	<b>0.22</b>	<b>0.23</b>	<b>0.23</b>	<b>0.23</b>

<sup>1</sup>Marketed production (wet) minus extraction losses.

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

<sup>3</sup>Includes consumption by cogenerators.

<sup>4</sup>Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy.

<sup>5</sup>Represents natural gas used in the field gathering and processing plant machinery.

<sup>6</sup>Compressed natural gas used as vehicle fuel.

<sup>7</sup>Balancing item. Natural gas lost as a result of converting flow data measured at varying temperatures and pressures to a standard temperature and pressure and the merger of different data reporting systems which vary in scope, format, definition, and respondent type. In addition, 1996 values include net storage injections.

Btu = British thermal unit.

Note: Totals may not equal sum of components due to independent rounding. Figures for 1996 may differ from published data due to internal conversion factors.

**Sources:** 1996 supplemental natural gas: Energy Information Administration (EIA), *Natural Gas Monthly*, DOE/EIA-0130(97/6) (Washington, DC, June 1997). 1996 imports and dry gas production derived from: EIA, *Natural Gas Annual 1996*, DOE/EIA-0131(96) (Washington, DC, November 1997). 1996 transportation sector consumption: EIA, AEO98 National Energy Modeling System runs KYBASE.D080398A,FD24ABV.D080398B, FD1998.D080398B, FD09ABV.D080398B, FD1990.D080398B, FD03BLW.D080398B, and FD07BLW.D080398B. Other 1996 consumption: EIA, *Short-Term Energy Outlook August 1997*. Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997) with adjustments to end-use sector consumption levels for consumption of natural gas by electric wholesale generators based on EIA, AEO98 National Energy Modeling System runs KYBASE.D080398A, FD24ABV.D080398B, FD1998.D080398B, FD09ABV.D080398B, FD1990.D080398B, FD03BLW.D080398B, and FD07BLW.D080398B. **Projections:** EIA, AEO98 National Energy Modeling System runs KYBASE.D080398A, FD24ABV.D080398B, FD1998.D080398B, FD09ABV.D080398B, FD1990.D080398B, FD03BLW.D080398B, and FD07BLW.D080398B.

**Table B14. Natural Gas Prices, Margins, and Revenue**  
 (1996 Dollars per Thousand Cubic Feet, Unless Otherwise Noted)

Prices, Margins, and Revenue	1996	Projections						
		2005						
		Reference Case	24 Percent Above	14 Percent Above	9 Percent Above	1990 Level	3 Percent Below	7 Percent Below
<b>Source Price</b>								
Average Lower 48 Wellhead Price <sup>1</sup> .....	2.24	2.20	2.18	2.19	2.21	2.24	2.24	2.24
Average Import Price .....	1.98	2.10	2.13	2.18	2.12	2.11	2.23	2.23
<b>Average<sup>2</sup> .....</b>	<b>2.21</b>	<b>2.18</b>	<b>2.17</b>	<b>2.19</b>	<b>2.20</b>	<b>2.21</b>	<b>2.24</b>	<b>2.24</b>
<b>Delivered Prices</b>								
Residential .....	6.37	5.79	5.85	6.56	7.05	7.26	7.37	7.52
Commercial .....	5.43	4.87	4.93	5.62	6.11	6.31	6.42	6.58
Industrial <sup>3</sup> .....	3.05	2.88	2.96	3.62	4.04	4.23	4.35	4.49
Electric Generators <sup>4</sup> .....	2.70	2.68	2.75	3.40	3.82	4.08	4.16	4.33
Transportation <sup>5</sup> .....	5.57	5.99	6.06	6.71	7.18	7.38	7.48	7.62
<b>Average<sup>6</sup> .....</b>	<b>4.26</b>	<b>3.82</b>	<b>3.88</b>	<b>4.51</b>	<b>4.93</b>	<b>5.13</b>	<b>5.21</b>	<b>5.36</b>
<b>Transmission and Distribution Margins<sup>7</sup></b>								
Residential .....	4.17	3.61	3.68	4.37	4.85	5.05	5.13	5.28
Commercial .....	3.23	2.69	2.76	3.43	3.91	4.10	4.18	4.34
Industrial <sup>3</sup> .....	0.84	0.70	0.79	1.43	1.85	2.02	2.11	2.25
Electric Generators <sup>4</sup> .....	0.49	0.50	0.58	1.21	1.62	1.86	1.92	2.09
Transportation <sup>5</sup> .....	3.37	3.81	3.88	4.52	4.98	5.17	5.24	5.38
<b>Average<sup>6</sup> .....</b>	<b>2.05</b>	<b>1.64</b>	<b>1.70</b>	<b>2.33</b>	<b>2.73</b>	<b>2.91</b>	<b>2.97</b>	<b>3.12</b>
<b>Transmission and Distribution Revenue (billion 1996 dollars)</b>								
Residential .....	21.81	19.42	19.74	22.75	24.76	25.56	25.90	26.47
Commercial .....	10.34	9.50	9.71	11.70	13.00	13.51	13.71	14.07
Industrial <sup>3</sup> .....	7.10	6.49	7.29	13.23	17.26	18.91	19.77	21.08
Electric Generators <sup>4</sup> .....	1.47	2.67	3.24	7.09	10.18	12.18	13.30	14.52
Transportation <sup>5</sup> .....	0.04	0.65	0.66	0.77	0.84	0.87	0.88	0.90
<b>Total .....</b>	<b>40.76</b>	<b>38.72</b>	<b>40.64</b>	<b>55.54</b>	<b>66.04</b>	<b>71.02</b>	<b>73.56</b>	<b>77.04</b>

**Table B14. Natural Gas Prices, Margins, and Revenue (Continued)**  
(1996 Dollars per Thousand Cubic Feet, Unless Otherwise Noted)

Projections													
2010							2020						
Reference Case	24 Percent Above	14 Percent Above	9 Percent Above	1990 Level	3 Percent Below	7 Percent Below	Reference Case	24 Percent Above	14 Percent Above	9 Percent Above	1990 Level	3 Percent Below	7 Percent Below
2.33	2.38	2.62	2.78	3.01	3.01	3.03	2.62	3.02	3.50	3.71	3.74	3.67	3.53
2.39	2.40	2.66	2.82	3.00	3.05	3.07	2.76	3.11	3.60	3.82	3.84	3.74	3.57
2.34	2.39	2.63	2.79	3.00	3.02	3.04	2.64	3.03	3.52	3.73	3.76	3.69	3.54
5.72	6.83	8.09	8.83	10.50	11.10	11.98	5.97	7.99	8.89	9.42	10.39	10.88	11.70
4.75	5.84	7.08	7.82	9.51	10.12	11.03	4.70	6.68	7.57	8.10	9.07	9.57	10.42
3.06	4.08	5.21	5.91	7.47	8.04	8.90	3.35	5.21	6.03	6.53	7.45	7.94	8.75
2.88	3.89	5.10	5.83	7.44	7.97	8.82	3.28	5.08	5.94	6.44	7.37	7.85	8.66
6.72	7.82	8.99	9.66	11.25	11.82	12.67	7.37	9.21	9.95	10.44	11.31	11.77	12.56
3.87	4.85	5.96	6.63	8.18	8.72	9.57	4.07	5.85	6.66	7.14	8.05	8.54	9.35
3.38	4.44	5.46	6.04	7.50	8.08	8.95	3.33	4.95	5.37	5.69	6.64	7.19	8.17
2.40	3.45	4.45	5.03	6.50	7.09	7.99	2.06	3.65	4.05	4.37	5.32	5.89	6.88
0.72	1.69	2.58	3.12	4.46	5.02	5.86	0.71	2.18	2.51	2.81	3.70	4.25	5.21
0.54	1.51	2.47	3.04	4.43	4.95	5.78	0.64	2.05	2.42	2.72	3.61	4.17	5.13
4.38	5.43	6.36	6.87	8.25	8.80	9.64	4.73	6.17	6.43	6.72	7.56	8.08	9.02
1.52	2.46	3.33	3.84	5.17	5.70	6.53	1.43	2.82	3.14	3.42	4.30	4.85	5.81
18.76	23.47	27.32	29.37	34.42	36.38	39.19	19.32	26.22	27.21	28.20	31.53	33.61	37.14
8.86	12.05	14.55	15.77	18.46	19.38	20.55	7.87	12.57	13.27	13.89	15.94	17.13	18.98
6.89	16.22	24.73	29.83	42.14	47.34	53.72	6.84	20.68	23.26	25.59	33.65	38.64	48.29
3.62	11.68	22.96	32.35	52.56	60.35	71.58	5.99	25.01	33.02	39.69	53.63	61.01	71.82
1.08	1.30	1.45	1.54	1.75	1.83	1.93	1.54	1.90	1.95	2.00	2.17	2.30	2.51
39.21	64.72	91.01	108.86	149.33	165.28	186.97	41.56	86.39	98.71	109.38	136.93	152.70	178.74

<sup>1</sup>Represents lower 48 onshore and offshore supplies.

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

<sup>3</sup>Includes consumption by cogenerators.

<sup>4</sup>Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy.

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

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

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

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

Sources: 1996 industrial delivered prices based on Energy Information Administration (EIA), *Manufacturing Energy Consumption Survey 1991*. 1996 residential and commercial delivered prices, average lower 48 wellhead price, and average import price: EIA, *Natural Gas Monthly*, DOE/EIA-0130(97/06) (Washington, DC, June 1997). Other 1995 values, other 1996 values, and projections: EIA, AEO98 National Energy Modeling System runs KYBASE.D080398A, FD24ABV.D080398B, FD1998.D080398B, FD09ABV.D080398B, FD1990.D080398B, FD03BLW.D080398B, and FD07BLW.D080398B.



**Table B15. Oil and Gas Supply**

Production and Supply	1996	Projections						
		2005						
		Reference Case	24 Percent Above	14 Percent Above	9 Percent Above	1990 Level	3 Percent Below	7 Percent Below
<b>Crude Oil</b>								
Lower 48 Average Wellhead Price <sup>1</sup> (1996 dollars per barrel) .....	19.41	19.78	19.69	19.54	19.44	19.39	19.32	19.31
<b>Production (million barrels per day)<sup>2</sup></b>								
<b>U.S. Total</b> .....	<b>6.48</b>	<b>6.02</b>	<b>6.01</b>	<b>6.00</b>	<b>6.00</b>	<b>6.00</b>	<b>6.00</b>	<b>6.00</b>
Lower 48 Onshore .....	3.76	3.39	3.39	3.38	3.38	3.38	3.38	3.38
Conventional .....	3.15	2.76	2.75	2.75	2.75	2.75	2.75	2.75
Enhanced Oil Recovery .....	0.61	0.63	0.63	0.63	0.63	0.63	0.63	0.63
Lower 48 Offshore .....	1.32	1.69	1.69	1.69	1.69	1.68	1.68	1.69
Alaska .....	1.40	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Lower 48 End of Year Reserves (billion barrels) .....	16.82	15.28	15.25	15.24	15.23	15.23	15.22	15.23
<b>Natural Gas</b>								
Lower 48 Average Wellhead Price <sup>1</sup> (1996 dollars per thousand cubic feet) .....	2.24	2.20	2.18	2.19	2.21	2.24	2.24	2.24
<b>Production (trillion cubic feet)<sup>3</sup></b>								
<b>U.S. Total</b> .....	<b>19.01</b>	<b>21.43</b>	<b>21.63</b>	<b>21.65</b>	<b>21.91</b>	<b>22.12</b>	<b>22.15</b>	<b>22.10</b>
Lower 48 Onshore .....	13.07	14.49	14.68	14.67	14.87	15.06	15.13	15.02
Associated-Dissolved <sup>4</sup> .....	1.84	1.53	1.52	1.52	1.52	1.52	1.52	1.52
Non-Associated .....	11.23	12.96	13.16	13.15	13.35	13.54	13.60	13.50
Conventional .....	7.96	9.09	9.17	9.24	9.34	9.45	9.43	9.43
Unconventional .....	3.27	3.88	3.99	3.91	4.02	4.09	4.18	4.07
Lower 48 Offshore .....	5.50	6.41	6.42	6.45	6.51	6.53	6.50	6.55
Associated-Dissolved <sup>4</sup> .....	0.80	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Non-Associated .....	4.70	5.49	5.50	5.53	5.59	5.61	5.58	5.63
Alaska .....	0.43	0.53	0.53	0.53	0.53	0.53	0.53	0.53
Lower 48 End of Year Reserves (trillion cubic feet) .....	157.23	172.31	171.86	171.61	171.58	171.03	170.87	171.25
Supplemental Gas Supplies (trillion cubic feet) <sup>5</sup> .....	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Total Lower 48 Wells (thousands) .....	22.07	28.12	28.06	28.08	28.04	28.06	28.16	28.15

**Table B15. Oil and Gas Supply (Continued)**

Projections							Projections						
2010							2020						
Reference Case	24 Percent Above	14 Percent Above	9 Percent Above	1990 Level	3 Percent Below	7 Percent Below	Reference Case	24 Percent Above	14 Percent Above	9 Percent Above	1990 Level	3 Percent Below	7 Percent Below
20.24	19.42	18.57	18.09	17.35	17.00	16.68	20.70	19.10	18.79	18.67	18.05	17.73	17.35
5.86	5.82	5.76	5.74	5.70	5.68	5.67	5.18	5.00	4.94	4.93	4.84	4.78	4.73
3.50	3.47	3.42	3.40	3.38	3.36	3.35	3.39	3.24	3.17	3.16	3.06	3.02	2.98
2.76	2.74	2.71	2.70	2.69	2.67	2.67	2.75	2.65	2.62	2.61	2.56	2.53	2.50
0.74	0.73	0.71	0.70	0.70	0.69	0.68	0.65	0.59	0.55	0.55	0.51	0.49	0.48
1.62	1.60	1.59	1.59	1.58	1.57	1.57	1.31	1.29	1.30	1.31	1.30	1.30	1.29
0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.47	0.47	0.47	0.47	0.47	0.47	0.47
15.60	15.49	15.29	15.20	15.09	15.02	14.97	14.95	14.32	14.03	13.97	13.62	13.43	13.27
2.33	2.38	2.62	2.78	3.01	3.01	3.03	2.62	3.02	3.50	3.71	3.74	3.67	3.53
23.67	24.11	25.00	25.94	26.35	26.18	25.77	26.91	28.26	28.97	29.44	29.31	28.57	27.74
16.31	16.73	17.39	18.14	18.52	18.39	18.09	18.87	19.75	20.34	20.55	20.56	20.01	19.48
1.45	1.45	1.44	1.44	1.44	1.44	1.44	1.32	1.30	1.30	1.30	1.29	1.29	1.28
14.86	15.28	15.94	16.70	17.08	16.95	16.65	17.55	18.45	19.03	19.24	19.26	18.72	18.20
9.99	10.11	10.67	11.05	11.33	11.27	11.19	12.08	12.65	13.00	13.19	13.13	12.83	12.44
4.86	5.17	5.28	5.65	5.75	5.68	5.46	5.47	5.80	6.03	6.05	6.13	5.88	5.76
6.80	6.82	7.06	7.25	7.28	7.24	7.13	7.43	7.90	8.02	8.29	8.14	7.96	7.66
0.91	0.91	0.91	0.91	0.90	0.90	0.90	0.84	0.84	0.84	0.84	0.84	0.84	0.84
5.88	5.91	6.15	6.34	6.37	6.34	6.23	6.58	7.06	7.18	7.45	7.30	7.12	6.82
0.56	0.56	0.56	0.56	0.55	0.55	0.55	0.62	0.61	0.61	0.61	0.61	0.60	0.60
180.45	179.42	179.51	178.60	178.95	178.77	180.42	172.73	175.74	184.71	189.12	191.43	192.82	193.82
0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.05	0.06	0.06	0.06	0.06	0.06	0.06
30.34	30.23	30.98	31.46	32.12	32.06	31.91	33.63	34.68	36.90	37.85	37.67	37.08	35.92

Ft. = feet.

<sup>1</sup>Represents lower 48 onshore and offshore supplies.

<sup>2</sup>Includes lease condensate.

<sup>3</sup>Market production (wet) minus extraction losses.

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

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

Note: Totals may not equal sum of components due to independent rounding. Figures for 1996 may differ from published data due to internal conversion factors.

**Sources:** 1996 crude oil lower 48 average wellhead price: Energy Information Administration (EIA), Office of Integrated Analysis and Forecasting. 1996 total wells completed: EIA, Office of Integrated Analysis and Forecasting. 1996 lower 48 onshore, lower 48 offshore, Alaska crude oil production: EIA, *Petroleum Supply Annual 1996*, DOE/EIA-0340(96) (Washington, DC, June 1997). 1996 natural gas lower 48 average wellhead price, Alaska and total natural gas production, and supplemental gas supplies. EIA, *Natural Gas Monthly*, DOE/EIA-0130(97/06) (Washington, DC, June 1997). Other 1996 values: EIA, Office of Integrated Analysis and Forecasting. **Projections:** EIA, AEO98 National Energy Modeling System runs KYBASE.D080398A, FD24ABV.D080398B, FD1998.D080398B, FD09ABV.D080398B, FD1990.D080398B, FD03BLW.D080398B, and FD07BLW.D080398B.