

## Short-Term Energy Outlook

June 2004

### Summer Gasoline Update (Figures 1 to 3)

While it is difficult to know what will happen in the near term, especially in light of recent events related to expected supply developments and security issues in the Middle East in the last several weeks, the trend for U.S. gasoline wholesale and retail gasoline prices has turned downward. Week-to-week declines in the average price of regular gasoline of 1.3 cents per gallon and 1.7 cents per gallon, reported by EIA on June 1 and June 7, respectively, followed a month of increases to \$2.06 per gallon in late May. Assuming that crude oil or gasoline market disruptions are avoided, the declines are expected to continue.

We assume that, as a group, OPEC producers will maintain higher production levels in the near term than previously assumed (see "Oil Market Developments" below). Continued declines in [U.S. gasoline prices](#) will be reinforced if the improved supply situation translates into continued increases in crude oil and [gasoline inventories](#) toward more normal levels. Nominal price levels are still expected to remain high by historical standards, with the average for regular gasoline expected to be \$1.82 per gallon during the second half of 2004, compared to an average of \$1.42 per gallon for the same period over the previous 5 years. For the [summer](#) (Q2 and Q3), regular gasoline prices are now expected to average \$1.91 per gallon, slightly below last month's estimate but still 35 cents per gallon above the 2003 average.

### Oil Market Developments (Figure 4)

[West Texas Intermediate \(WTI\) prices](#) averaged about \$40.30 per barrel in May, about \$3.50 per barrel above the April level and \$10 per barrel above October 2003. The net effect of recently announced production increases by key OPEC producers is assumed to be an increase in third quarter crude oil production from OPEC of about 1 million barrels per day above last month's *Outlook* estimate, and about even with the expected second quarter average of 28.5 million barrels per day. As a result, a lower trajectory for oil prices than indicated in the previous report is expected. The projected average WTI price for

the third quarter is now \$36.20 per barrel, compared to \$36.80 per barrel in the May *Outlook*. Potential price spikes are still quite possible given the uncertainties surrounding Middle East instability, terrorism, Iraq, and the fact that, while more optimism for improvement is warranted, oil inventories worldwide are still low. In addition, currently low world oil surplus capacity levels provide an extremely limited cushion in the event of unexpected world oil market disruptions.

### **OPEC's 131st Meeting (Figures 5 and 6)**

Prior to the meeting of OPEC ministers on June 3, Saudi Arabia and the United Arab Emirates announced their intention to increase production. The announced increases by these two countries would increase OPEC production by an estimated 800,000 barrels per day above May levels. At the meeting, OPEC 10 (excluding Iraq) raised its crude oil production quota from 23.5 million barrels per day to 25.5 million barrels per day effective July 1, and then to 26 million barrels per day effective August 1.

The increase in OPEC-10 production quotas effectively incorporates production that had been running above quota and will not by itself add any additional oil production beyond what was already announced. The OPEC 10 had already been producing an estimated 26.2 million barrels per day in May.

[Petroleum inventories](#) in the countries of the Organization for Economic Cooperation and Development (OECD), particularly the United States, remain at relatively low levels. However, assuming no new disruptions to oil production in the Middle East or elsewhere, a modest trend toward more normal stock levels than previously expected would emerge under the current world oil supply assumptions.

[U.S. petroleum demand](#) is projected to increase by 330,000 barrels per day, or 1.7 percent, in the current year and by an additional 420,000 barrels per day, or 2.0 percent, in 2005. Despite the recent increase in retail prices, motor gasoline demand growth is still projected to average about 2 percent per year through 2005, buoyed by growth in real disposable income and non-farm employment and growing consumer confidence. Summer 2004 demand growth is projected to be approximately 1.6 percent, about equal to the average for the previous 5 summers (despite a projected year-to-year 20-percent increase in real fuel costs per mile), but certainly below the year-to-date (through May 28) growth rate of 2.8 percent, which reflects the relative weakness in demand in early 2003.

Available data suggest a strong recovery in domestic airline activity. Annual growth rates for both utilization (passenger-miles and cargo-miles flown) and capacity (passenger-miles and cargo-miles available in scheduled flights) are projected to average about 5 percent per year between 2003 and 2005, contributing to a 3-percent average annual growth rate in jet fuel demand by commercial airlines. Led by growth in diesel demand averaging 3.1 percent, total distillate demand growth is projected to average 2.3 percent for the forecast interval. Little growth, in contrast, is expected for space-heating applications.

### **Natural Gas Outlook (Figures 7 to 9)**

Based on reports from underground storage facilities through May 28, we estimate that net injections of natural gas into storage during May totaled 374 billion cubic feet, more than the previous 5-year May average of 346 billion. This left [natural gas inventory](#) levels at the end of May less than 1 percent below the 5-year average level and 23 percent higher than last year at this time. We expect natural gas inventories to track near normal levels through the forecast as long as weather conditions remain close to normal.

In 2004, [natural gas demand](#) is expected to increase by about 1.4 percent due to increasing economic growth, the lack of fuel-switching options given the high cost of oil, the continuing rise in electricity demand, and below-average hydroelectric power levels in the Pacific Northwest. Demand growth in 2005 is expected to be minimal (0.2 percent) as some of the current pressure on natural gas in the electric power sector eases along with spot coal and oil prices. Domestic natural gas production is estimated to have increased by approximately 0.6 percent in 2003. Growth of about 0.9 percent in 2004 is expected as new natural gas well completions, which totaled an estimated 20,000 in 2003, remain high at over 24,000 wells per year for the next 2 years. Because of apparently high decline rates from existing wells, these high drilling rates are not expected to yield more than modest net gains in U.S. production. Therefore, as demand continues to grow, continued supply tightness is likely to keep prices near \$6 per thousand cubic feet (mcf).

Despite normal-looking natural gas storage injection and storage level patterns so far this year, [natural gas spot prices](#) (composites for producing area hubs) are likely to average about \$6.20 per mcf in 2004, an increase of about 13 percent from 2003. Spot prices started out averaging about \$5.50 per mcf in the first quarter of this year. Even though inventories of natural gas appear normal, strong demand for natural gas, coupled with high petroleum prices has lifted the

ceiling for natural gas prices considerably. Spot gas prices have averaged over \$6 since the beginning of May.

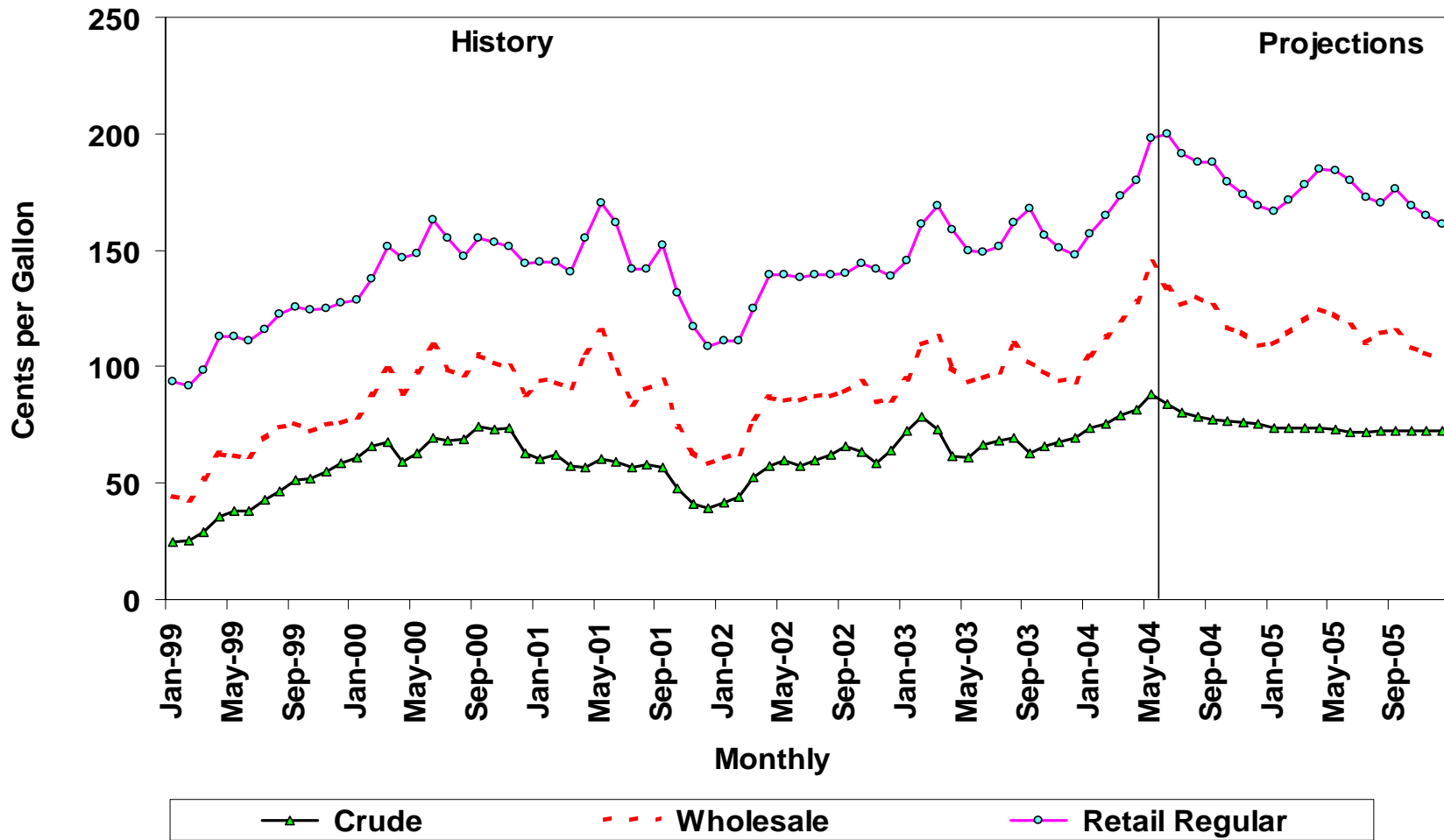
### **Electricity and Coal Outlook (Figures 10 to 12)**

[Electricity demand](#) in 2004 is expected to increase by 1.8 percent, driven by accelerated growth in the economy and weather-related increases, including an estimated growth rate of nearly 3 percent in the first quarter.

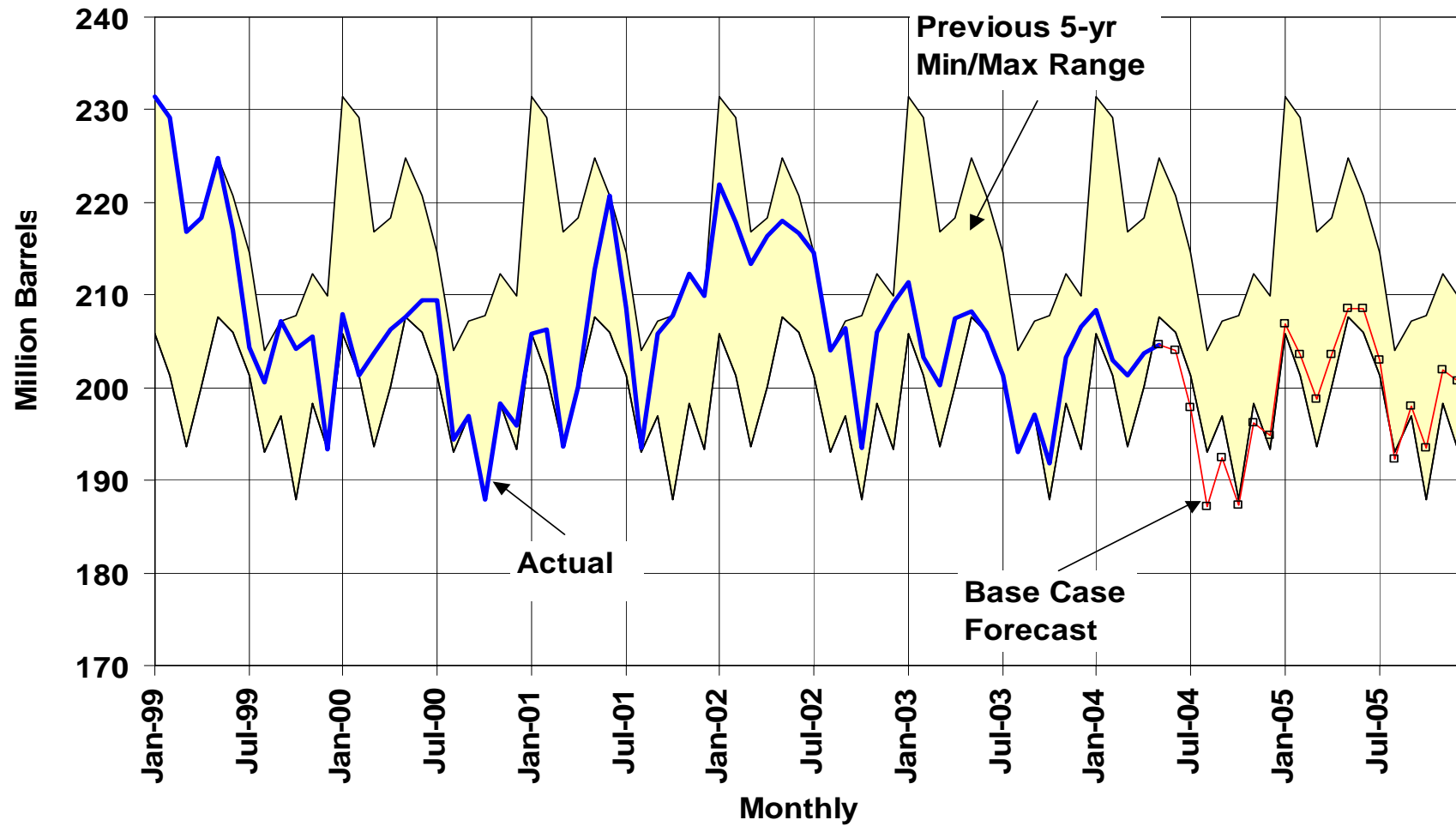
[Coal demand](#) in the electric power sector is expected to remain flat this summer because of sharply increased spot prices for coal and tighter clean air requirements on coal burning power plants. We assume that current supply problems for coal are mitigated by early 2005 and anticipate a recovery in coal demand growth next year of about 2 percent. [U.S. coal production](#) is expected to grow by 2.3 percent in 2004.

Average delivered coal prices to the electric power sector are projected to increase by 4.9 percent this year. This is somewhat unusual, given the generally stable nature of coal prices, and likely reflects the impact of high natural gas prices in the electric power sector on the prices of competing fossil fuels. The result has been soaring spot coal prices in the Central and Northern Appalachian coal producing regions, since the beginning of the year. In contrast, most coal prices west of the Mississippi river have remained relatively stable.

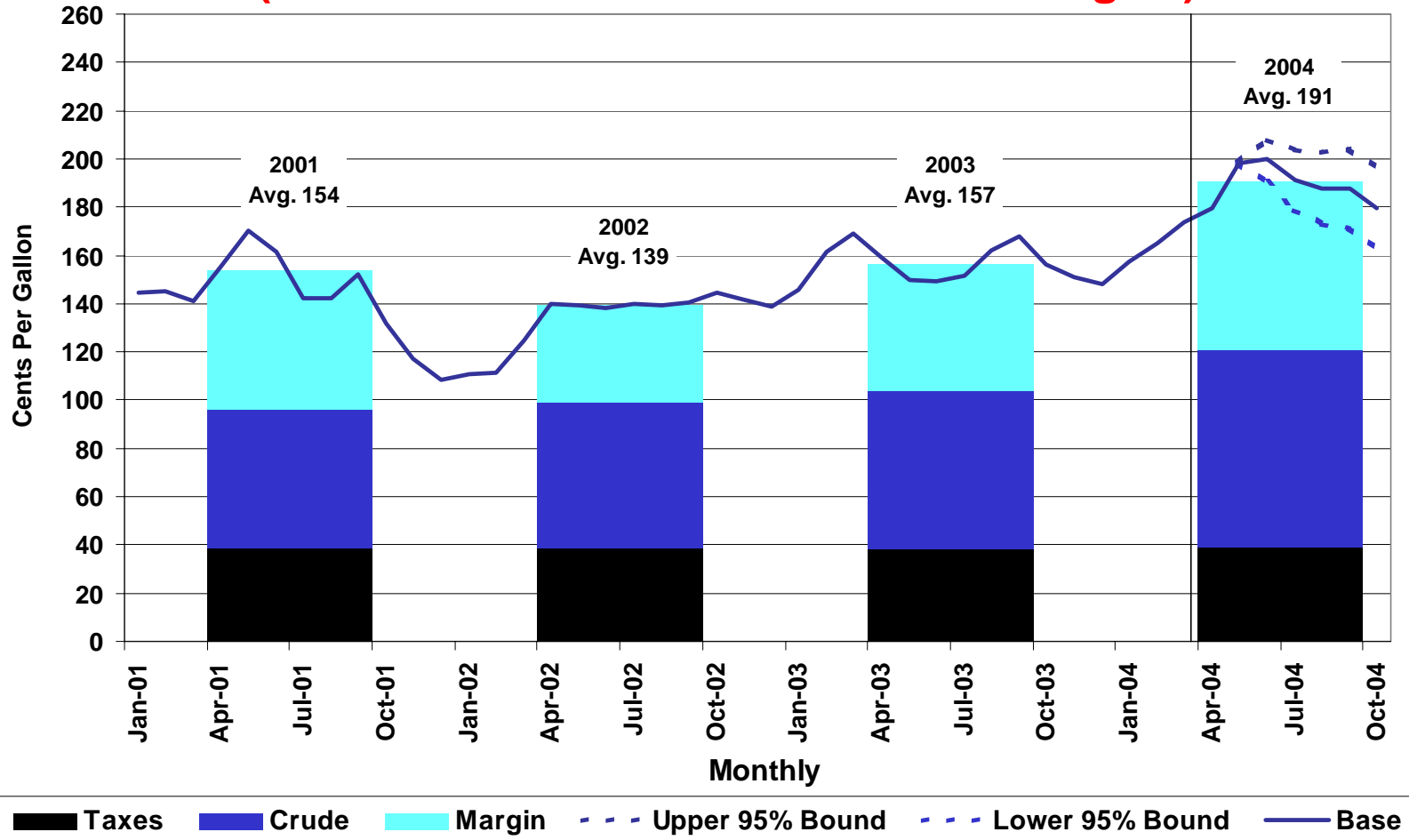
# Figure 1. Gasoline Prices and Crude Oil Costs



# Figure 2. U.S. Gasoline Inventories



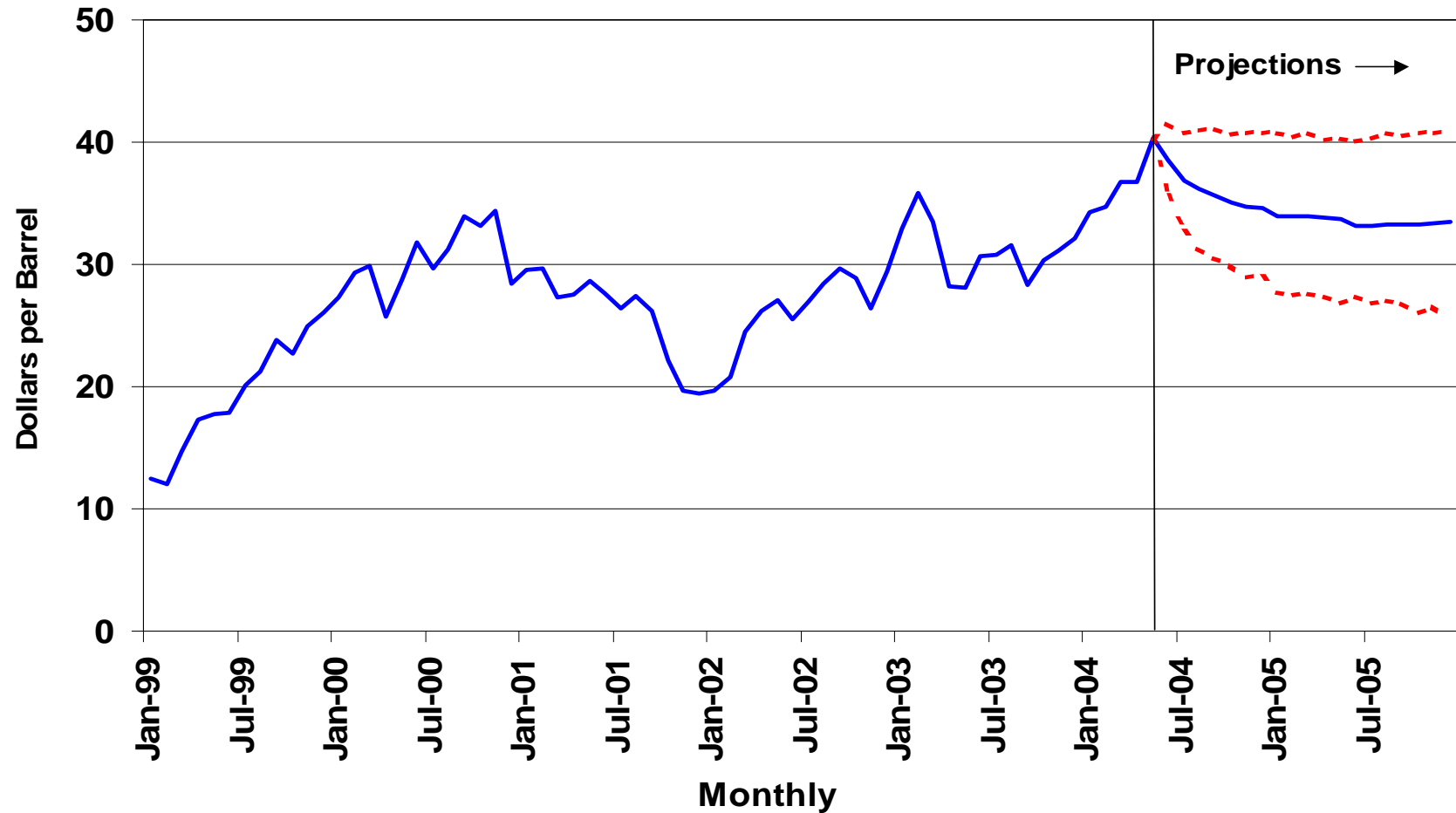
**Figure 3. Summer Retail Motor Gasoline Prices\*  
(Base Case and 95% Confidence Range\*\*)**



\*Regular gasoline, average all formulations.

\*\*The confidence range is based on the properties of the short-term model and excludes explicit consideration of major supply disruptions.

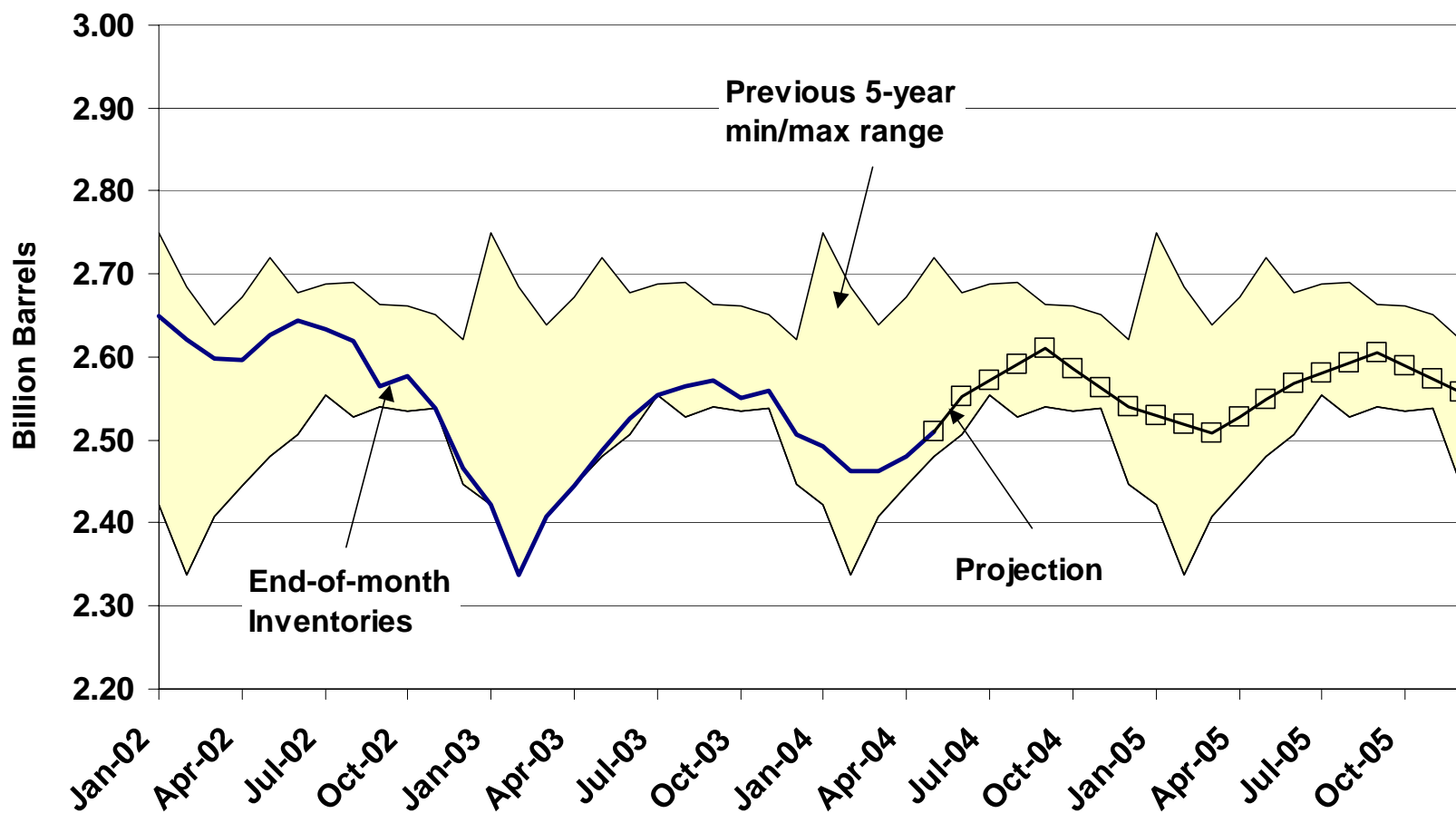
**Figure 4. West Texas Intermediate Crude Oil Price  
(Base Case and 95% Confidence Interval\*)**



*\*The confidence intervals show +/- 2 standard errors based on the properties of the model. The ranges do not include the effects of major supply disruptions.*



# Figure 5. OECD\* Commercial Oil Stocks

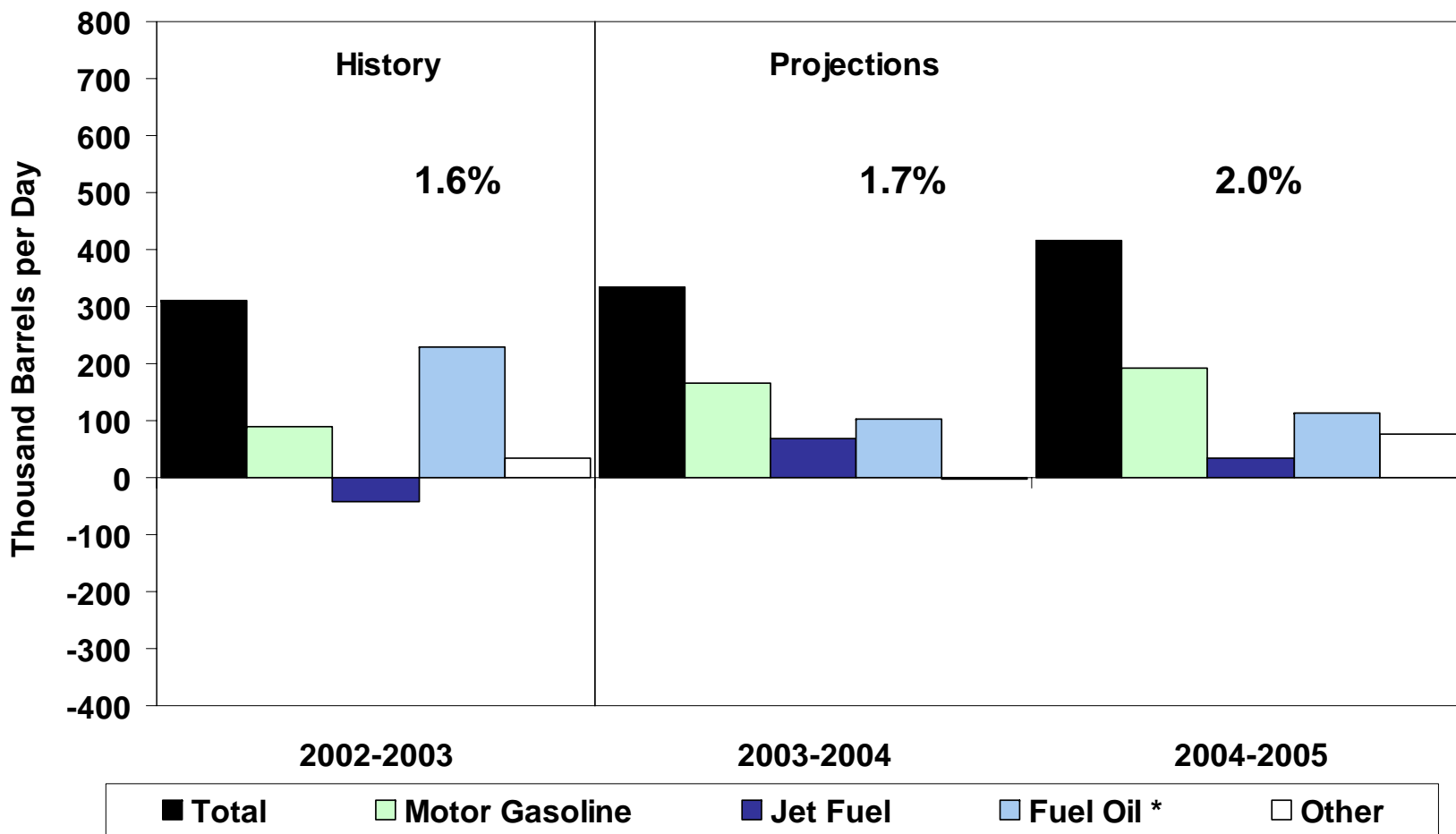


\*Organization for Economic Cooperation and Development

Short-Term Energy Outlook, June 2004

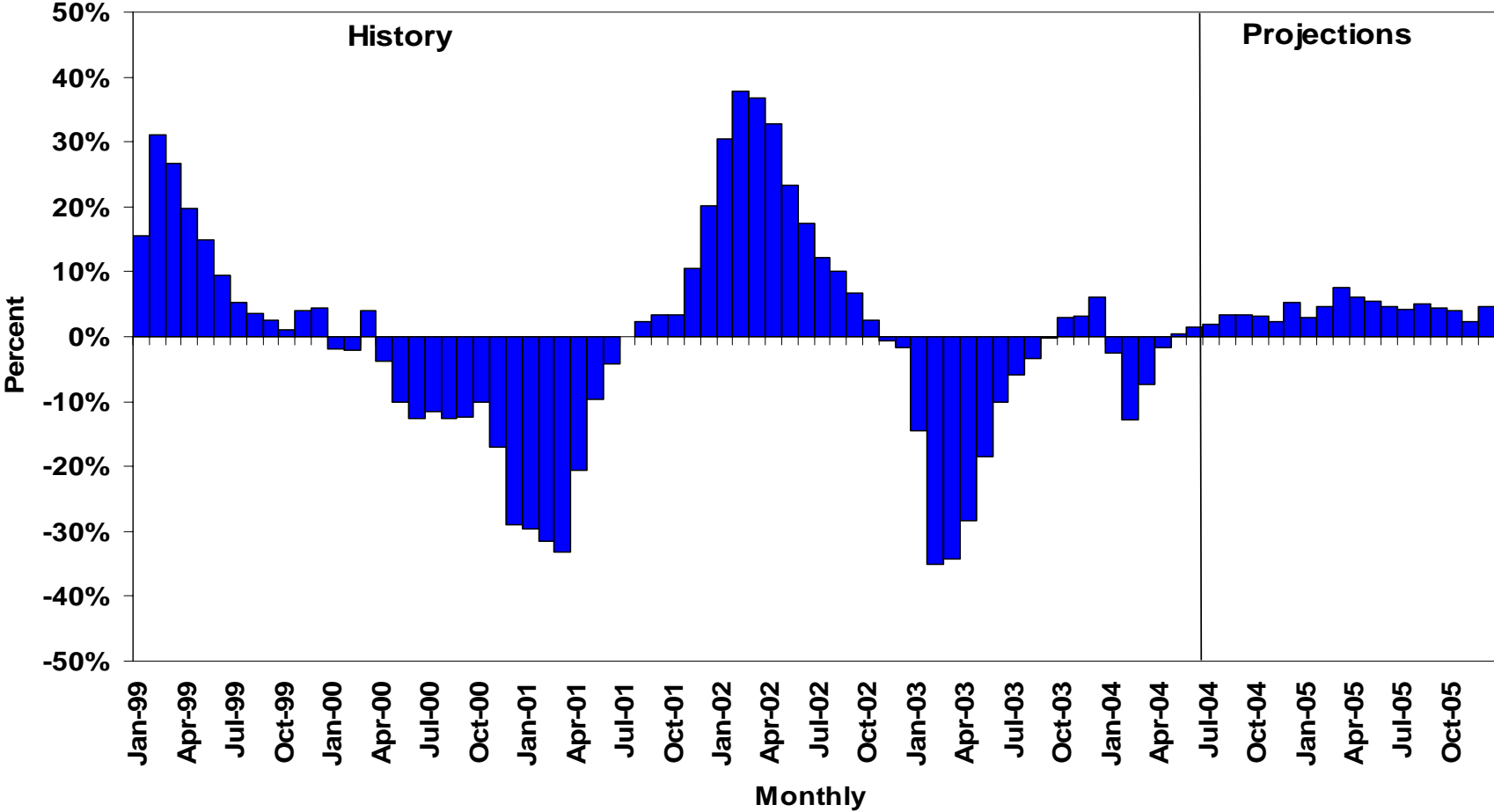


# Figure 6. U.S. Petroleum Products Demand Growth (Change from Year Ago)

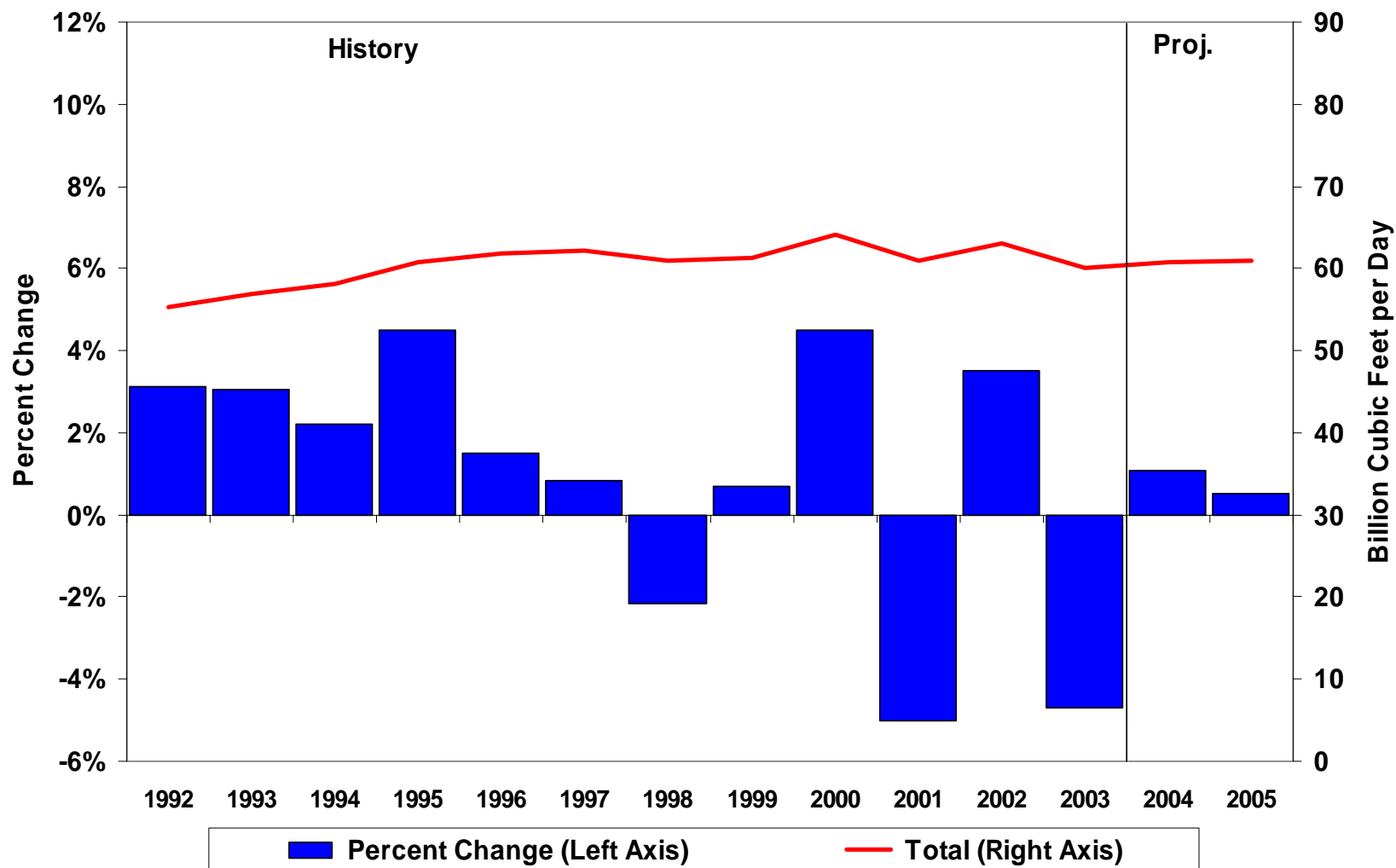


\* Sum of distillate and residual fuel.

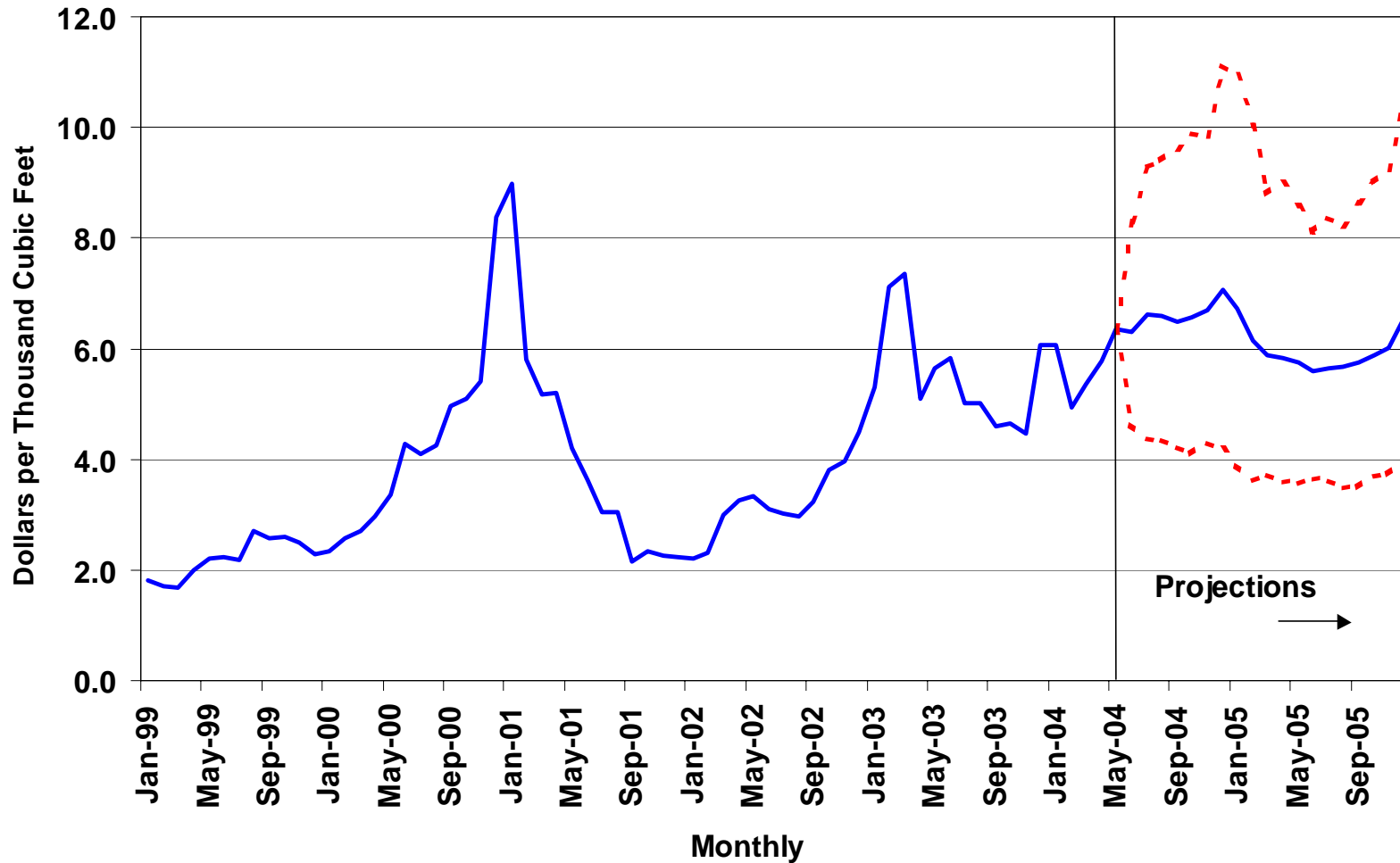
# Figure 7. U.S. Working Gas in Storage (Difference from Previous 5-Year Average)



# Figure 8. Total U.S. Natural Gas Demand Growth Patterns



## Figure 9. U.S. Natural Gas Spot Prices (Base Case and 95% Confidence Interval\*)

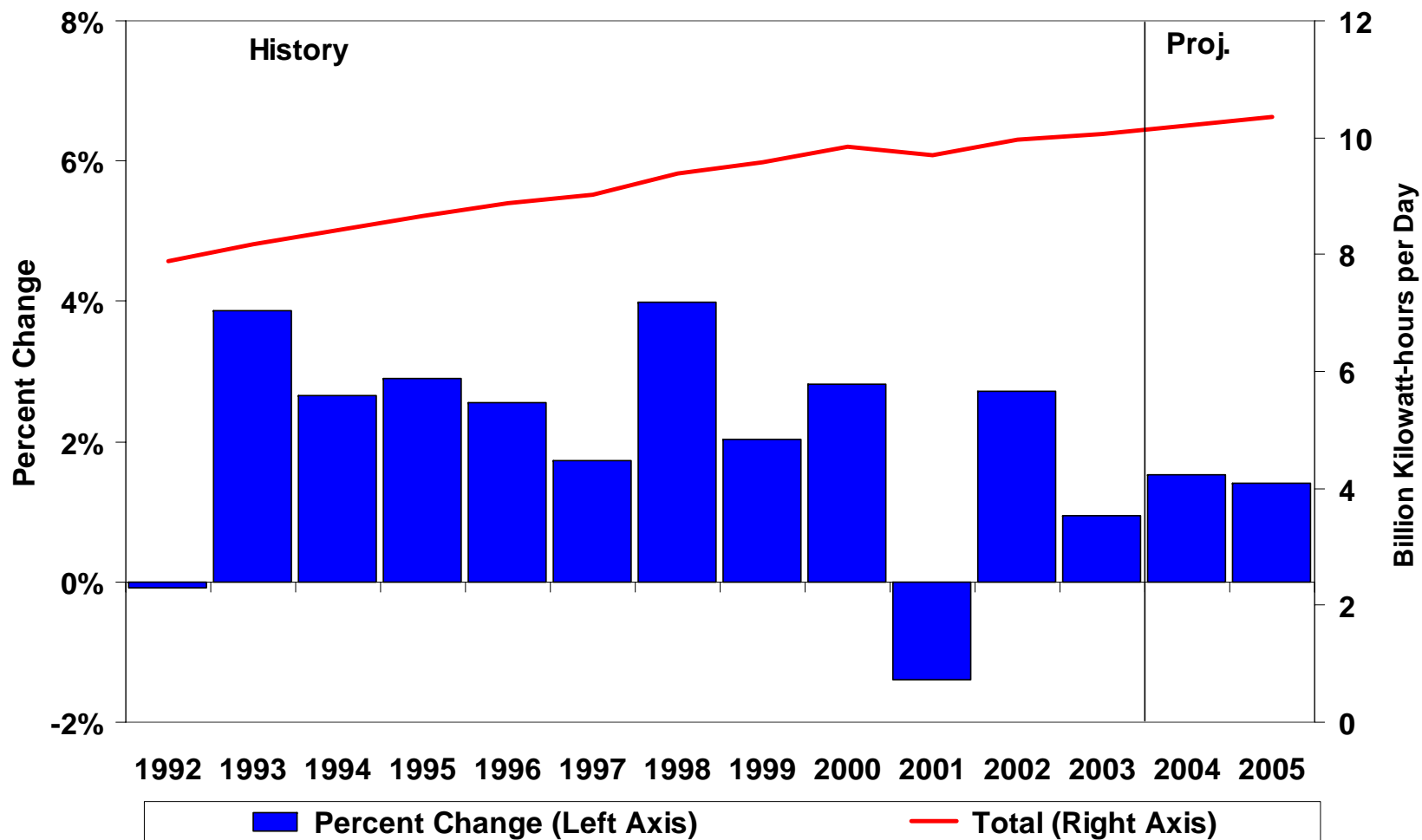


\*The confidence intervals show  $\pm 2$  standard errors based on the properties of the model. The ranges do not include the effects of major supply disruptions.

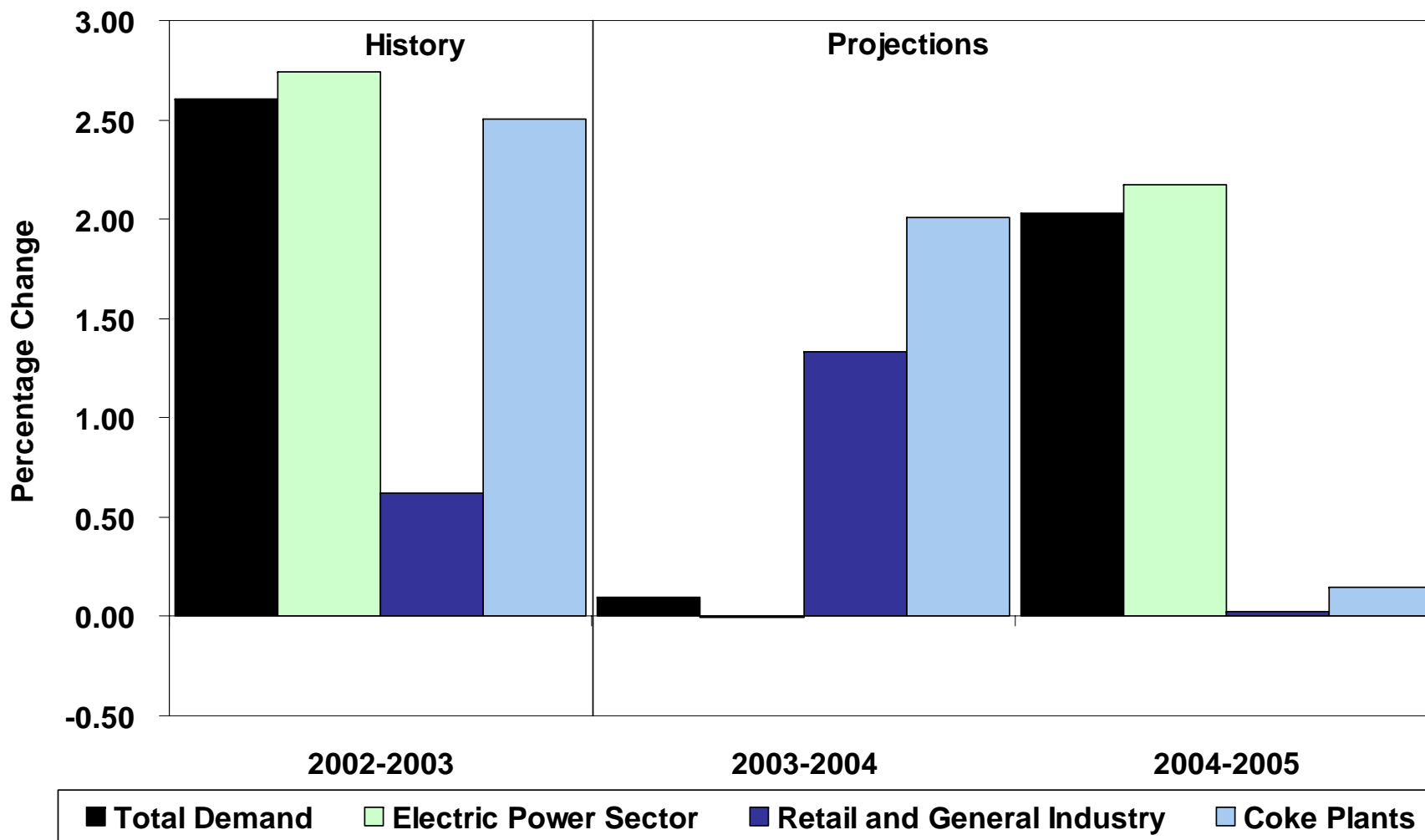
Sources: History: Natural Gas Week; Projections: Short-Term Energy Outlook, June 2004.



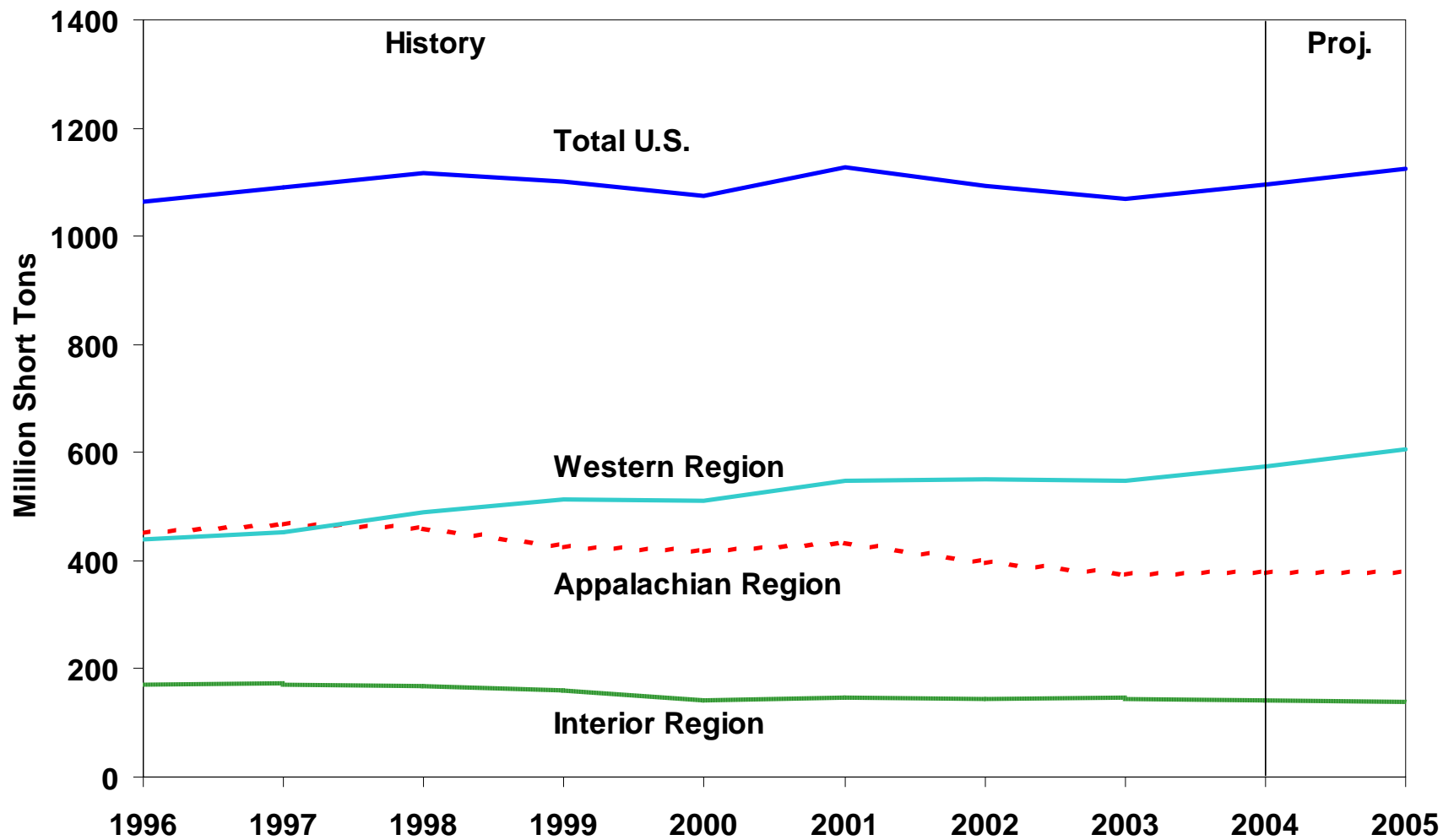
# Figure 10. Total U.S. Electricity Demand Growth Patterns



# Figure 11. U.S. Coal Demand



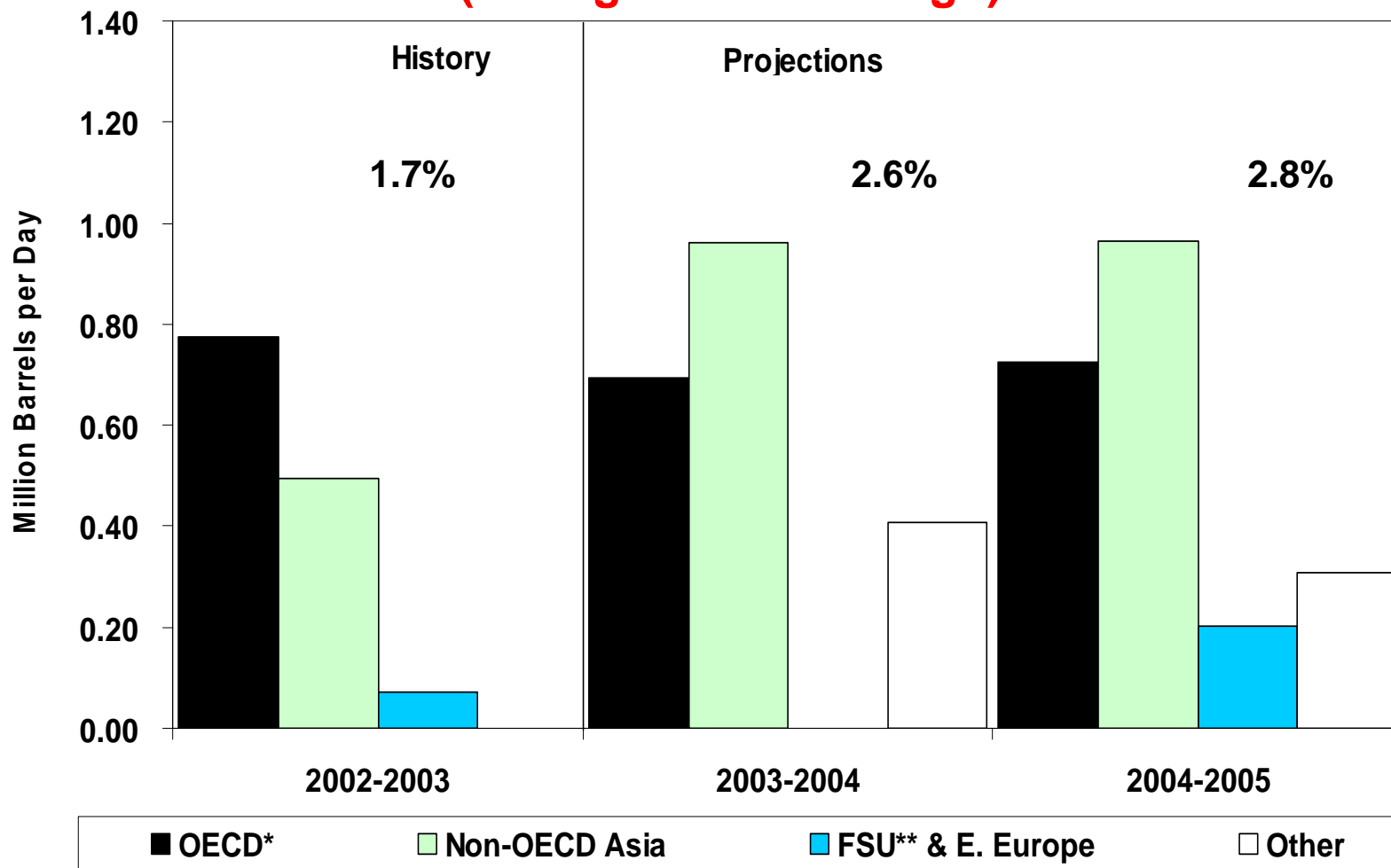
# Figure 12. U.S. Coal Production





# **Additional Charts**

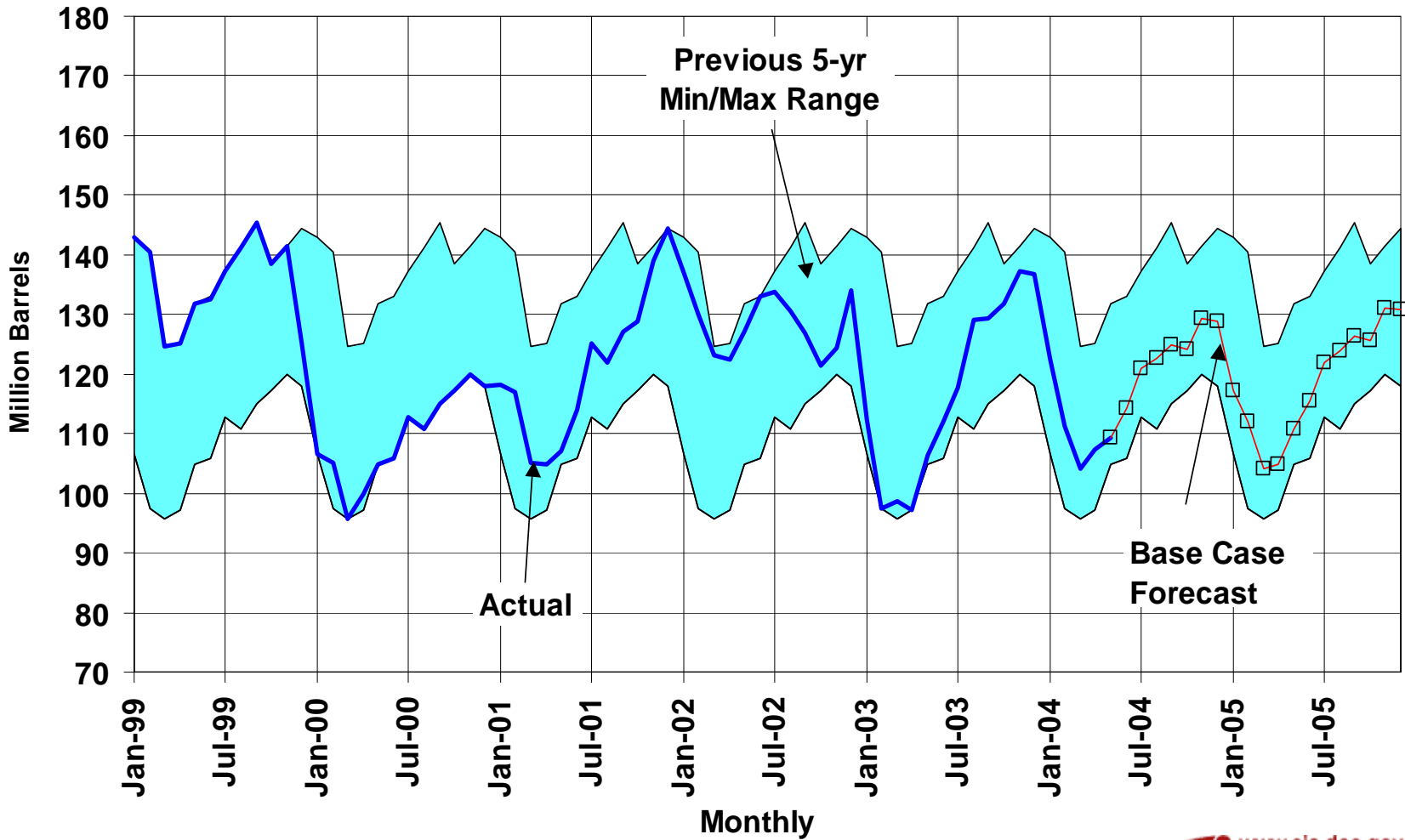
## Figure 13. World Oil Demand Growth (Change from Year Ago)



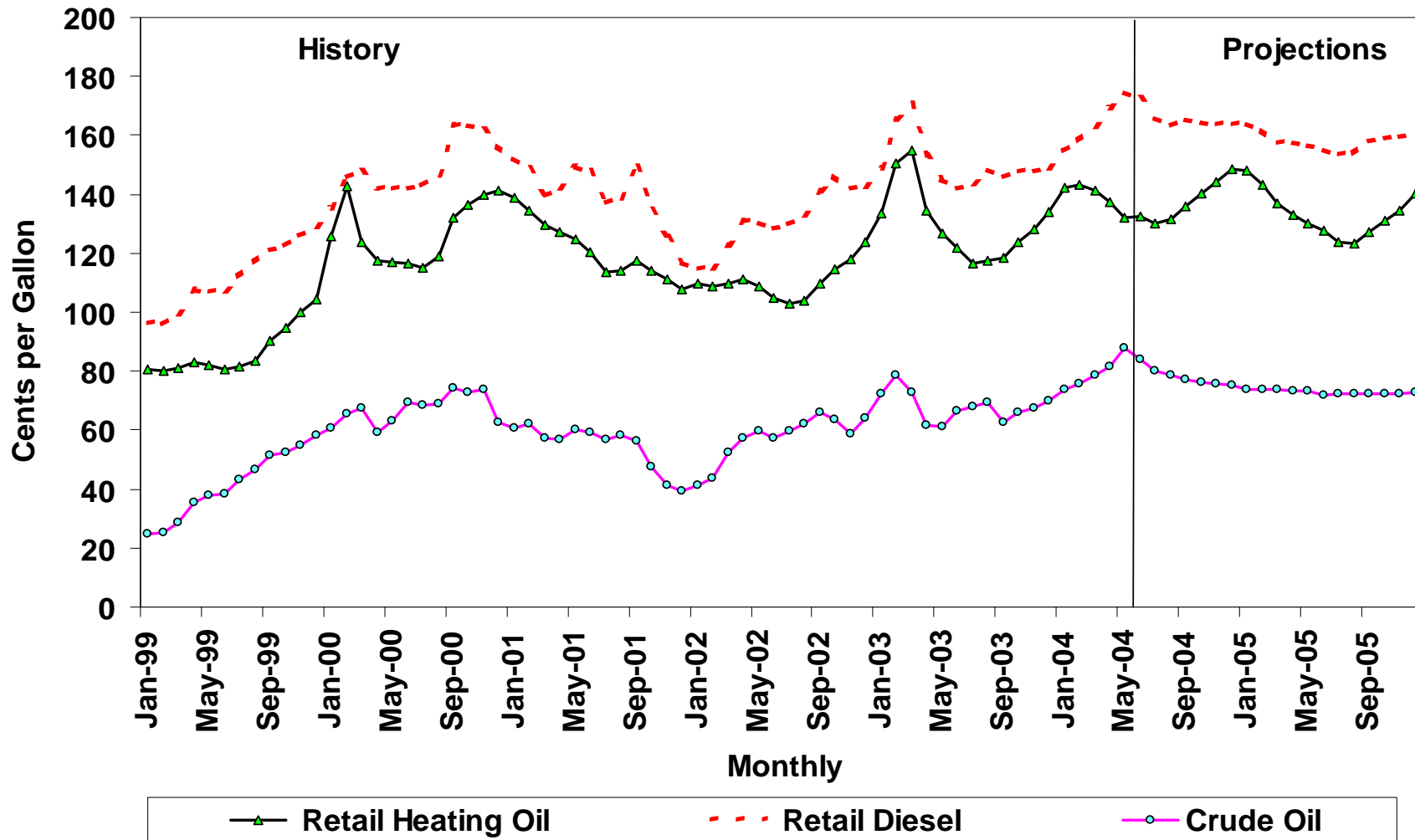
\* Note: OECD now defined to include the Czech Republic, Hungary, Mexico, Poland and South Korea in EIA's statistics.

\*\* FSU = Former Soviet Union

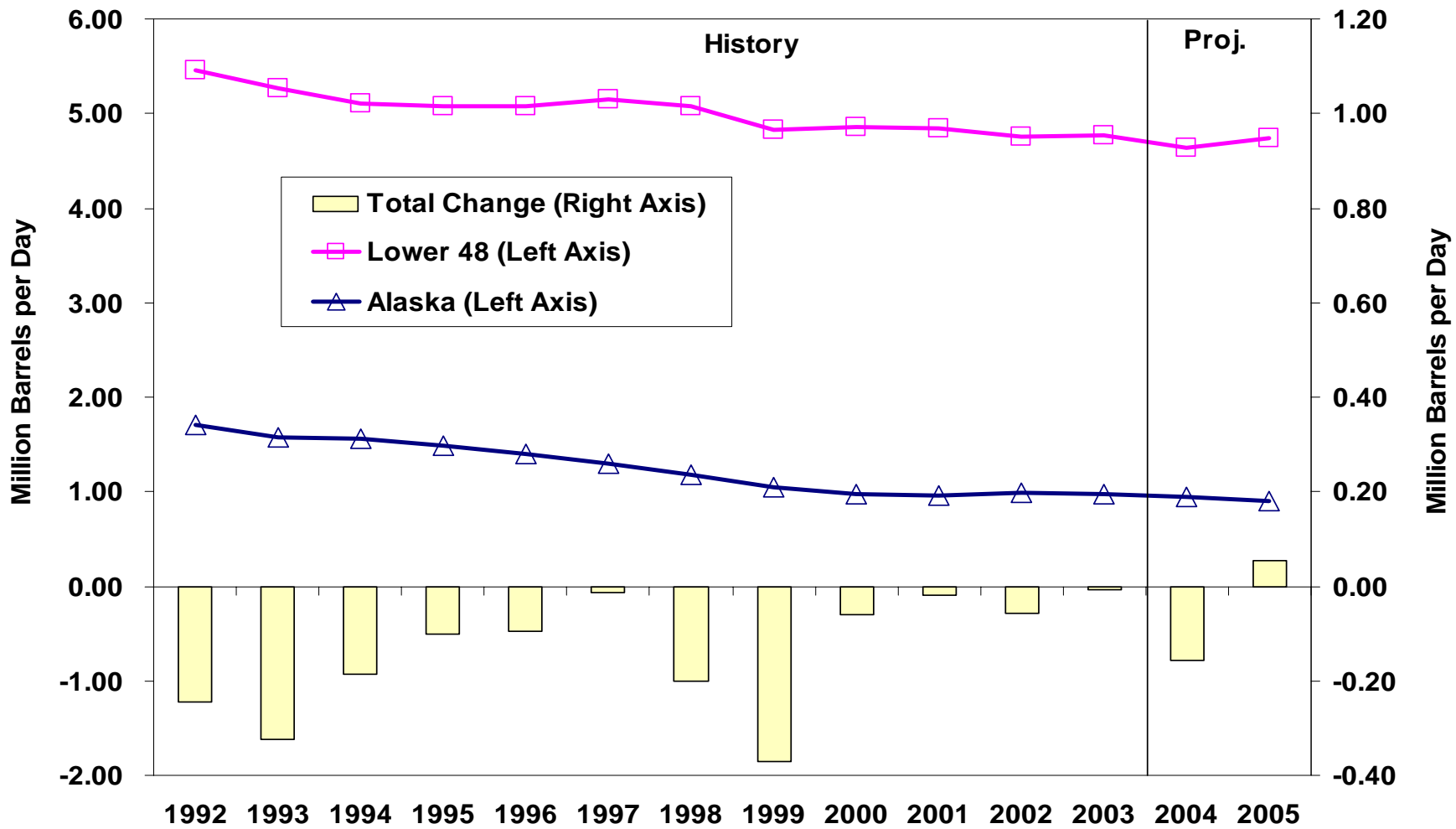
# Figure 14. U.S. Distillate Fuel Oil Inventories



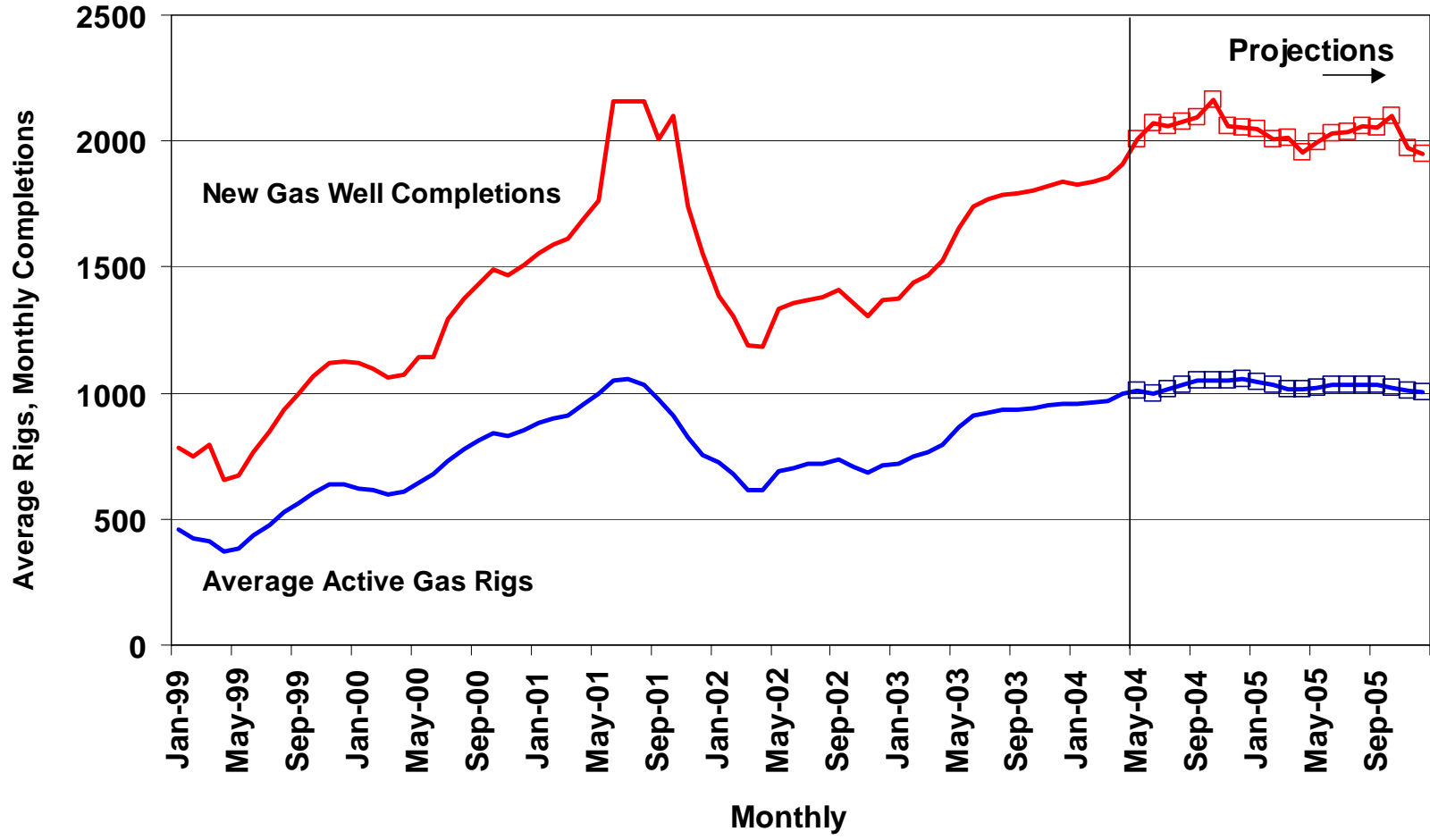
# Figure 15. U.S. Distillate Fuel Prices



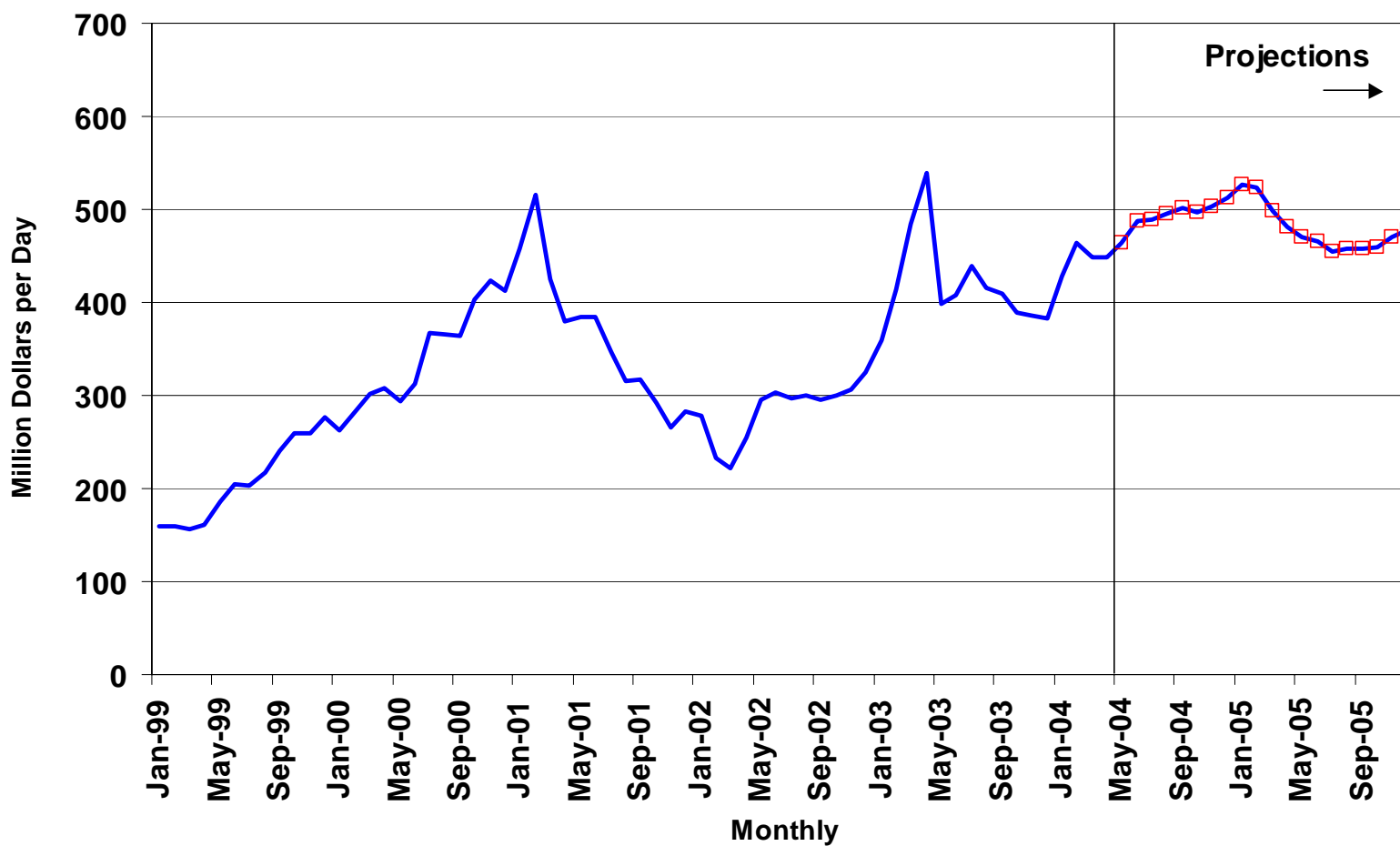
# Figure 16. U.S. Crude Oil Production Trends



# Figure 17. U.S. Natural Gas-Directed Drilling Activity



# Figure 18. U.S. Oil and Gas Production Revenues



**Table HL1. U.S. Energy Supply and Demand: Base Case**

	Year				Annual Percentage Change		
	2002	2003	2004	2005	2002-2003	2003-2004	2004-2005
<b>Real Gross Domestic Product (GDP)</b> (billion chained 2000 dollars) .....	<b>10083</b>	<b>10398</b>	<i>10881</i>	<i>11226</i>	3.1	4.6	3.2
Imported Crude Oil Price <sup>a</sup> (nominal dollars per barrel) .....	<b>23.71</b>	<b>27.74</b>	<i>32.30</i>	<i>29.84</i>	17.0	16.4	-7.6
<b>Petroleum Supply</b> (million barrels per day)							
Crude Oil Production <sup>b</sup> .....	<b>5.75</b>	<b>5.74</b>	<i>5.58</i>	<i>5.63</i>	-0.2	-2.7	1.0
Total Petroleum Net Imports (including SPR) .....	<b>10.54</b>	<b>11.32</b>	<i>11.66</i>	<i>11.93</i>	7.4	3.0	2.3
<b>Energy Demand</b>							
World Petroleum (million barrels per day) .....	<b>78.2</b>	<b>79.5</b>	<i>81.6</i>	<i>83.8</i>	1.7	2.6	2.8
Petroleum (million barrels per day) .....	<b>19.76</b>	<b>20.07</b>	<i>20.40</i>	<i>20.82</i>	1.6	1.7	2.0
Natural Gas (trillion cubic feet) .....	<b>23.00</b>	<b>21.92</b>	<i>22.22</i>	<i>22.27</i>	-4.7	1.4	0.2
Coal <sup>c</sup> (million short tons) .....	<b>1066</b>	<b>1094</b>	<i>1095</i>	<i>1117</i>	2.6	0.1	2.0
Electricity (billion kilowatthours)							
Retail Sales <sup>d</sup> .....	<b>3463</b>	<b>3500</b>	<i>3562</i>	<i>3602</i>	1.1	1.8	1.1
Other Use/Sales <sup>e</sup> .....	<b>177</b>	<b>174</b>	<i>178</i>	<i>180</i>	-1.7	2.7	0.9
Total .....	<b>3639</b>	<b>3674</b>	<i>3740</i>	<i>3782</i>	0.9	1.8	1.1
Total Energy Demand <sup>f</sup> (quadrillion Btu) .....	<b>97.4</b>	<b>97.4</b>	<i>98.9</i>	<i>100.5</i>	0.0	1.6	1.5
Total Energy Demand per Dollar of GDP (thousand Btu per 2000 Dollar) .....	<b>9.65</b>	<b>9.36</b>	<i>9.09</i>	<i>8.95</i>	-3.0	-2.9	-1.6
Renewable Energy as Percent of Total <sup>g</sup> .....	<b>6.4%</b>	<b>6.5%</b>	<i>6.7%</i>	<i>6.7%</i>			

<sup>a</sup>Refers to the refiner acquisition cost (RAC) of imported crude oil.

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

<sup>c</sup>Total Demand includes estimated Independent Power Producer (IPP) coal consumption.

<sup>d</sup>Total of retail electricity sales by electric utilities and power marketers. Utility sales for historical periods are reported in Energy Information Administration (EIA) *Electric Power Monthly* and *Electric Power Annual*. Power marketers' sales for historical periods are reported in EIA's *Electric Sales and Revenue*, Appendix C. Data for 2003 are estimates.

<sup>e</sup>Defined as the sum of facility use of onsite net electricity generation plus direct sales of power by industrial- or commercial-sector generators to third parties, reported annually in Table 7.5 of the *Monthly Energy Review (MER)*. Data for 2003 are estimates.

<sup>f</sup>The conversion from physical units to Btu is calculated by using a subset of conversion factors used in the calculations performed for gross energy consumption in EIA's *MER*. Consequently, the historical data may not precisely match those published in the *MER* or the *Annual Energy Review (AER)*.

<sup>g</sup>Renewable energy includes minor components of non-marketed renewable energy, which is renewable energy that is neither bought nor sold, either directly or indirectly, as inputs to marketed energy. EIA does not estimate or project total consumption of non-marketed renewable energy.

SPR: Strategic Petroleum Reserve.

Notes: Minor discrepancies with other published EIA historical data are due to independent rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: Latest data available from Bureau of Economic Analysis and Energy Information Administration; latest data available from EIA databases supporting the following reports: *Petroleum Supply Monthly*, DOE/EIA-0109; *Petroleum Supply Annual*, DOE/EIA-0340/2; *Natural Gas Monthly*, DOE/EIA-0130; *Electric Power Monthly*, DOE/EIA-0226; and *Quarterly Coal Report*, DOE/EIA-0121; *International Petroleum Monthly* DOE/EIA-0520; *Weekly Petroleum Status Report*, DOE/EIA-0208. Macroeconomic projections are based on Global Insight Forecast CONTROL0504.



**Table 1. U.S. Macroeconomic and Weather Assumptions: Base Case**

	2003				2004				2005				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2003	2004	2005
<b>Macroeconomic <sup>a</sup></b>															
Real Gross Domestic Product (billion chained 2000 dollars - SAAR)...	<b>10210</b>	<b>10288</b>	<b>10493</b>	<b>10600</b>	<i>10709</i>	<i>10833</i>	<i>10942</i>	<i>11040</i>	<i>11118</i>	<i>11194</i>	<i>11260</i>	<i>11330</i>	<b>10398</b>	<i>10881</i>	<i>11226</i>
Percentage Change from Prior Year ....	<b>2.1</b>	<b>2.4</b>	<b>3.6</b>	<b>4.3</b>	<i>4.9</i>	<i>5.3</i>	<i>4.3</i>	<i>4.1</i>	<i>3.8</i>	<i>3.3</i>	<i>2.9</i>	<i>2.6</i>	<b>3.1</b>	<i>4.6</i>	<i>3.2</i>
Annualized Percent Change from Prior Quarter .....	<b>2.0</b>	<b>3.1</b>	<b>8.2</b>	<b>4.1</b>	<i>4.2</i>	<i>4.7</i>	<i>4.1</i>	<i>3.6</i>	<i>2.9</i>	<i>2.8</i>	<i>2.4</i>	<i>2.5</i>			
GDP Implicit Price Deflator (Index, 2000=100) .....	<b>105.2</b>	<b>105.4</b>	<b>105.9</b>	<b>106.3</b>	<i>106.9</i>	<i>107.8</i>	<i>108.5</i>	<i>109.0</i>	<i>109.5</i>	<i>109.9</i>	<i>110.4</i>	<i>111.0</i>	<b>105.7</b>	<i>108.0</i>	<i>110.2</i>
Percentage Change from Prior Year ....	<b>1.7</b>	<b>1.6</b>	<b>1.7</b>	<b>1.6</b>	<i>1.7</i>	<i>2.2</i>	<i>2.5</i>	<i>2.6</i>	<i>2.4</i>	<i>2.0</i>	<i>1.7</i>	<i>1.8</i>	<b>1.7</b>	<i>2.2</i>	<i>2.0</i>
Real Disposable Personal Income (billion chained 2000 Dollars - SAAR) ..	<b>7662</b>	<b>7754</b>	<b>7883</b>	<b>7893</b>	<i>7977</i>	<i>7994</i>	<i>8011</i>	<i>8067</i>	<i>8143</i>	<i>8188</i>	<i>8222</i>	<i>8263</i>	<b>7798</b>	<i>8012</i>	<i>8204</i>
Percentage Change from Prior Year ....	<b>1.6</b>	<b>1.7</b>	<b>3.7</b>	<b>3.6</b>	<i>4.1</i>	<i>3.1</i>	<i>1.6</i>	<i>2.2</i>	<i>2.1</i>	<i>2.4</i>	<i>2.6</i>	<i>2.4</i>	<b>2.6</b>	<i>2.7</i>	<i>2.4</i>
Manufacturing Production (Index, 1997=100.0) .....	<b>112.3</b>	<b>111.3</b>	<b>112.5</b>	<b>114.2</b>	<i>115.9</i>	<i>117.5</i>	<i>119.1</i>	<i>120.4</i>	<i>122.2</i>	<i>123.6</i>	<i>124.8</i>	<i>126.1</i>	<b>112.6</b>	<i>118.2</i>	<i>124.2</i>
Percentage Change from Prior Year ....	<b>0.6</b>	<b>-1.3</b>	<b>-0.6</b>	<b>1.7</b>	<i>3.1</i>	<i>5.5</i>	<i>5.9</i>	<i>5.4</i>	<i>5.5</i>	<i>5.2</i>	<i>4.8</i>	<i>4.7</i>	<b>0.1</b>	<i>5.0</i>	<i>5.0</i>
OECD Economic Growth (percent) <sup>b</sup> ...													<b>2.2</b>	<i>3.5</i>	<i>3.2</i>
<b>Weather <sup>c</sup></b>															
Heating Degree-Days															
U.S. ....	<b>2320</b>	<b>549</b>	<b>71</b>	<b>1510</b>	<i>2213</i>	<i>445</i>	<i>108</i>	<i>1632</i>	<i>2254</i>	<i>540</i>	<i>106</i>	<i>1623</i>	<b>4450</b>	<i>4398</i>	<i>4523</i>
New England .....	<b>3523</b>	<b>1045</b>	<b>101</b>	<b>2177</b>	<i>3402</i>	<i>833</i>	<i>192</i>	<i>2274</i>	<i>3235</i>	<i>930</i>	<i>196</i>	<i>2259</i>	<b>6846</b>	<i>6701</i>	<i>6621</i>
Middle Atlantic .....	<b>3218</b>	<b>844</b>	<b>79</b>	<b>1950</b>	<i>3381</i>	<i>598</i>	<i>122</i>	<i>2044</i>	<i>2959</i>	<i>743</i>	<i>128</i>	<i>2050</i>	<b>6091</b>	<i>6145</i>	<i>5881</i>
U.S. Gas-Weighted .....	<b>2464</b>	<b>598</b>	<b>75</b>	<b>1627</b>	<i>2395</i>	<i>548</i>	<i>110</i>	<i>1758</i>	<i>2383</i>	<i>589</i>	<i>110</i>	<i>1758</i>	<b>4764</b>	<i>4811</i>	<i>4840</i>
Cooling Degree-Days (U.S.) .....	<b>36</b>	<b>327</b>	<b>837</b>	<b>93</b>	<i>36</i>	<i>402</i>	<i>782</i>	<i>77</i>	<i>32</i>	<i>349</i>	<i>779</i>	<i>76</i>	<b>1293</b>	<i>1297</i>	<i>1237</i>

<sup>a</sup>Macroeconomic projections from Global Insight model forecasts are seasonally adjusted at annual rates and modified as appropriate to the base world oil price case.

<sup>b</sup>OECD: Organization for Economic Cooperation and Development: Australia, Austria, Belgium, Canada, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Luxembourg, Mexico, the Netherlands, New Zealand, Norway, Poland, Portugal, South Korea, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and the United States.

<sup>c</sup>Population-weighted degree-days. A degree-day indicates the temperature variation from 65 degrees Fahrenheit (calculated as the simple average of the daily minimum and maximum temperatures) weighted by 2000 population.

SAAR: Seasonally-adjusted annualized rate.

Note: Minor discrepancies with other published EIA historical data are due to independent rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: latest data available from: U.S. Department of Commerce, Bureau of Economic Analysis; U.S. Department of Commerce, National Oceanic and Atmospheric Administration; Federal Reserve System, Statistical Release G.17. Projections of OECD growth are based on Global Insight, "World Economic Outlook," Volume 1. Macroeconomic projections are based on Global Insight Forecast CONTROL0504.

**Table 2. U.S. Energy Indicators: Base Case**

	2003				2004				2005				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2003	2004	2005
<b>Macroeconomic<sup>a</sup></b>															
Real Fixed Investment (billion chained 2000 dollars-SAAR) ...	<b>1578</b>	<b>1601</b>	<b>1661</b>	<b>1701</b>	<i>1723</i>	<i>1754</i>	<i>1785</i>	<i>1829</i>	<i>1801</i>	<i>1828</i>	<i>1832</i>	<i>1844</i>	<b>1635</b>	<i>1773</i>	<i>1826</i>
Real Exchange Rate (index) .....	<b>1.051</b>	<b>1.016</b>	<b>1.007</b>	<b>1.003</b>	<i>0.989</i>	<i>0.987</i>	<i>0.981</i>	<i>0.977</i>	<i>0.977</i>	<i>0.976</i>	<i>0.974</i>	<i>0.971</i>	<b>1.019</b>	<i>0.983</i>	<i>0.974</i>
Business Inventory Change (billion chained 2000 dollars-SAAR) ...	<b>-12.2</b>	<b>-15.1</b>	<b>-15.8</b>	<b>-9.4</b>	<i>-7.1</i>	<i>6.0</i>	<i>12.9</i>	<i>11.1</i>	<i>27.3</i>	<i>12.7</i>	<i>10.2</i>	<i>10.6</i>	<b>-13.2</b>	<i>5.7</i>	<i>15.2</i>
Producer Price Index (index, 1982=1.000) .....	<b>1.379</b>	<b>1.368</b>	<b>1.379</b>	<b>1.399</b>	<i>1.416</i>	<i>1.464</i>	<i>1.481</i>	<i>1.480</i>	<i>1.481</i>	<i>1.478</i>	<i>1.483</i>	<i>1.492</i>	<b>1.381</b>	<i>1.460</i>	<i>1.483</i>
Consumer Price Index (index, 1982-1984=1.000) .....	<b>1.831</b>	<b>1.834</b>	<b>1.845</b>	<b>1.848</b>	<i>1.864</i>	<i>1.886</i>	<i>1.903</i>	<i>1.913</i>	<i>1.920</i>	<i>1.927</i>	<i>1.935</i>	<i>1.947</i>	<b>1.840</b>	<i>1.892</i>	<i>1.932</i>
Petroleum Product Price Index (index, 1982=1.000) .....	<b>1.074</b>	<b>0.920</b>	<b>0.976</b>	<b>0.936</b>	<i>1.052</i>	<i>1.130</i>	<i>1.154</i>	<i>1.087</i>	<i>1.077</i>	<i>1.090</i>	<i>1.046</i>	<i>1.027</i>	<b>0.977</b>	<i>1.106</i>	<i>1.060</i>
Non-Farm Employment (millions) .....	<b>130.0</b>	<b>129.9</b>	<b>129.8</b>	<b>130.0</b>	<i>130.3</i>	<i>130.8</i>	<i>131.4</i>	<i>132.0</i>	<i>132.5</i>	<i>133.1</i>	<i>133.6</i>	<i>134.0</i>	<b>129.9</b>	<i>131.1</i>	<i>133.3</i>
Commercial Employment (millions) .....	<b>91.5</b>	<b>91.6</b>	<b>91.7</b>	<b>91.9</b>	<i>92.3</i>	<i>92.7</i>	<i>93.2</i>	<i>93.7</i>	<i>94.0</i>	<i>94.5</i>	<i>94.9</i>	<i>95.4</i>	<b>91.7</b>	<i>93.0</i>	<i>94.7</i>
Total Industrial Production (index, 1997=100.0) .....	<b>111.2</b>	<b>110.0</b>	<b>111.1</b>	<b>112.6</b>	<i>114.4</i>	<i>115.4</i>	<i>116.7</i>	<i>117.8</i>	<i>119.3</i>	<i>120.3</i>	<i>121.2</i>	<i>122.1</i>	<b>111.2</b>	<i>116.1</i>	<i>120.7</i>
Housing Stock (millions) .....	<b>116.6</b>	<b>116.9</b>	<b>117.2</b>	<b>117.7</b>	<i>118.0</i>	<i>118.4</i>	<i>118.7</i>	<i>119.1</i>	<i>119.4</i>	<i>119.7</i>	<i>120.0</i>	<i>120.3</i>	<b>117.1</b>	<i>118.5</i>	<i>119.9</i>
<b>Miscellaneous</b>															
Gas Weighted Industrial Production (index, 1997=100.0) .....	<b>100.0</b>	<b>99.0</b>	<b>99.5</b>	<b>101.4</b>	<i>102.2</i>	<i>102.5</i>	<i>102.4</i>	<i>102.3</i>	<i>102.9</i>	<i>103.6</i>	<i>104.4</i>	<i>105.1</i>	<b>100.0</b>	<i>102.4</i>	<i>104.0</i>
Vehicle Miles Traveled <sup>b</sup> (million miles/day) .....	<b>7281</b>	<b>8168</b>	<b>8227</b>	<b>7873</b>	<i>7546</i>	<i>8308</i>	<i>8353</i>	<i>7883</i>	<i>7624</i>	<i>8419</i>	<i>8539</i>	<i>8106</i>	<b>7890</b>	<i>8023</i>	<i>8174</i>
Vehicle Fuel Efficiency (index, 1999=1.000) .....	<b>0.991</b>	<b>1.045</b>	<b>1.035</b>	<b>1.011</b>	<i>0.994</i>	<i>1.043</i>	<i>1.037</i>	<i>1.001</i>	<i>0.969</i>	<i>1.070</i>	<i>1.085</i>	<i>1.030</i>	<b>1.021</b>	<i>1.019</i>	<i>1.038</i>
Real Vehicle Fuel Cost (cents per mile) .....	<b>4.36</b>	<b>3.97</b>	<b>4.18</b>	<b>4.06</b>	<i>4.24</i>	<i>4.64</i>	<i>4.76</i>	<i>4.53</i>	<i>4.50</i>	<i>4.55</i>	<i>4.30</i>	<i>4.21</i>	<b>4.14</b>	<i>4.55</i>	<i>4.39</i>
Air Travel Capacity (mill. available ton-miles/day) .....	<b>454.8</b>	<b>476.0</b>	<b>477.3</b>	<b>495.4</b>	<i>485.0</i>	<i>516.7</i>	<i>515.0</i>	<i>511.0</i>	<i>505.0</i>	<i>521.0</i>	<i>530.5</i>	<i>542.6</i>	<b>476.0</b>	<i>507.0</i>	<i>524.9</i>
Aircraft Utilization (mill. revenue ton-miles/day) .....	<b>244.1</b>	<b>269.4</b>	<b>277.2</b>	<b>267.7</b>	<i>262.4</i>	<i>288.3</i>	<i>293.7</i>	<i>278.7</i>	<i>267.6</i>	<i>291.9</i>	<i>303.2</i>	<i>295.3</i>	<b>264.7</b>	<i>280.8</i>	<i>289.6</i>
Airline Ticket Price Index (index, 1982-1984=1.000) .....	<b>2.252</b>	<b>2.341</b>	<b>2.378</b>	<b>2.281</b>	<i>2.275</i>	<i>2.415</i>	<i>2.711</i>	<i>2.744</i>	<i>2.714</i>	<i>2.683</i>	<i>2.664</i>	<i>2.650</i>	<b>2.313</b>	<i>2.536</i>	<i>2.678</i>
Raw Steel Production (million tons) .....	<b>25.61</b>	<b>25.52</b>	<b>24.29</b>	<b>22.98</b>	<i>22.40</i>	<i>24.99</i>	<i>25.50</i>	<i>24.19</i>	<i>26.62</i>	<i>27.10</i>	<i>26.81</i>	<i>25.93</i>	<b>98.39</b>	<i>97.08</i>	<i>106.46</i>

<sup>a</sup>Macroeconomic projections from Global Insight model forecasts are seasonally adjusted at annual rates and modified as appropriate to the base world oil price case.

<sup>b</sup>Includes all highway travel.

SAAR: Seasonally-adjusted annualized rate.

Note: Minor discrepancies with other published EIA historical data are due to independent rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: latest data available from: U.S. Department of Commerce, Bureau of Economic Analysis; U.S. Department of Commerce, National Oceanic and Atmospheric Administration; Federal Reserve System, Statistical Release G.17. Macroeconomic projections are based on Global Insight Forecast CONTROL0504.

**Table 3. International Petroleum Supply and Demand: Base Case**  
(Million Barrels per Day, Except OECD Commercial Stocks)

	2003				2004				2005				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2003	2004	2005
<b>Demand<sup>a</sup></b>															
OECD															
U.S. (50 States) .....	<b>20.0</b>	<b>19.7</b>	<b>20.3</b>	<b>20.3</b>	<i>20.4</i>	<i>20.3</i>	<i>20.5</i>	<i>20.5</i>	<i>20.7</i>	<i>20.6</i>	<i>21.0</i>	<i>21.0</i>	<b>20.1</b>	<i>20.4</i>	<i>20.8</i>
U.S. Territories.....	<b>0.4</b>	<b>0.4</b>	<b>0.4</b>	<b>0.4</b>	<i>0.4</i>	<i>0.4</i>	<i>0.4</i>	<i>0.4</i>	<i>0.4</i>	<i>0.4</i>	<i>0.4</i>	<i>0.4</i>	<b>0.4</b>	<i>0.4</i>	<i>0.4</i>
Canada .....	<b>2.2</b>	<b>2.1</b>	<b>2.2</b>	<b>2.2</b>	<i>2.3</i>	<i>2.1</i>	<i>2.3</i>	<i>2.3</i>	<i>2.2</i>	<i>2.2</i>	<i>2.3</i>	<i>2.3</i>	<b>2.2</b>	<i>2.2</i>	<i>2.3</i>
Europe .....	<b>15.2</b>	<b>15.0</b>	<b>15.3</b>	<b>15.5</b>	<i>15.5</i>	<i>15.2</i>	<i>15.4</i>	<i>15.6</i>	<i>15.6</i>	<i>15.3</i>	<i>15.6</i>	<i>15.8</i>	<b>15.2</b>	<i>15.4</i>	<i>15.6</i>
Japan .....	<b>6.2</b>	<b>5.0</b>	<b>4.9</b>	<b>5.6</b>	<i>5.9</i>	<i>5.0</i>	<i>5.2</i>	<i>5.6</i>	<i>6.2</i>	<i>5.0</i>	<i>5.3</i>	<i>5.7</i>	<b>5.4</b>	<i>5.4</i>	<i>5.5</i>
Other OECD.....	<b>5.4</b>	<b>5.1</b>	<b>5.1</b>	<b>5.5</b>	<i>5.4</i>	<i>5.2</i>	<i>5.3</i>	<i>5.5</i>	<i>5.5</i>	<i>5.3</i>	<i>5.4</i>	<i>5.6</i>	<b>5.3</b>	<i>5.4</i>	<i>5.5</i>
Total OECD.....	<b>49.4</b>	<b>47.2</b>	<b>48.1</b>	<b>49.5</b>	<i>49.9</i>	<i>48.1</i>	<i>49.1</i>	<i>49.8</i>	<i>50.5</i>	<i>48.9</i>	<i>50.0</i>	<i>50.8</i>	<b>48.5</b>	<i>49.2</i>	<i>50.0</i>
Non-OECD															
Former Soviet Union.....	<b>4.5</b>	<b>3.6</b>	<b>4.0</b>	<b>4.5</b>	<i>4.3</i>	<i>3.6</i>	<i>4.1</i>	<i>4.6</i>	<i>4.4</i>	<i>3.9</i>	<i>4.2</i>	<i>4.8</i>	<b>4.2</b>	<i>4.1</i>	<i>4.3</i>
Europe .....	<b>0.8</b>	<b>0.8</b>	<b>0.7</b>	<b>0.8</b>	<i>0.8</i>	<i>0.8</i>	<i>0.7</i>	<i>0.8</i>	<i>0.8</i>	<i>0.8</i>	<i>0.7</i>	<i>0.8</i>	<b>0.8</b>	<i>0.8</i>	<i>0.8</i>
China.....	<b>5.2</b>	<b>5.2</b>	<b>5.8</b>	<b>5.9</b>	<i>6.2</i>	<i>6.1</i>	<i>6.1</i>	<i>6.3</i>	<i>6.7</i>	<i>6.8</i>	<i>6.9</i>	<i>7.1</i>	<b>5.5</b>	<i>6.2</i>	<i>6.9</i>
Other Asia.....	<b>7.8</b>	<b>7.7</b>	<b>7.8</b>	<b>8.3</b>	<i>7.9</i>	<i>8.2</i>	<i>8.1</i>	<i>8.6</i>	<i>8.2</i>	<i>8.4</i>	<i>8.4</i>	<i>8.9</i>	<b>7.9</b>	<i>8.2</i>	<i>8.5</i>
Other Non-OECD.....	<b>12.4</b>	<b>12.4</b>	<b>12.8</b>	<b>12.9</b>	<i>12.9</i>	<i>12.9</i>	<i>13.1</i>	<i>13.1</i>	<i>13.2</i>	<i>13.2</i>	<i>13.4</i>	<i>13.5</i>	<b>12.6</b>	<i>13.0</i>	<i>13.3</i>
Total Non-OECD.....	<b>30.7</b>	<b>29.7</b>	<b>31.1</b>	<b>32.4</b>	<i>32.1</i>	<i>31.5</i>	<i>32.2</i>	<i>33.5</i>	<i>33.3</i>	<i>33.3</i>	<i>33.6</i>	<i>35.0</i>	<b>31.0</b>	<i>32.3</i>	<i>33.8</i>
Total World Demand.....	<b>80.1</b>	<b>76.9</b>	<b>79.2</b>	<b>81.9</b>	<i>82.0</i>	<i>79.7</i>	<i>81.3</i>	<i>83.3</i>	<i>83.8</i>	<i>82.1</i>	<i>83.7</i>	<i>85.7</i>	<b>79.5</b>	<i>81.6</i>	<i>83.8</i>
<b>Supply<sup>b</sup></b>															
OECD															
U.S. (50 States) .....	<b>9.0</b>	<b>8.8</b>	<b>8.8</b>	<b>8.8</b>	<i>8.9</i>	<i>8.7</i>	<i>8.5</i>	<i>8.7</i>	<i>8.8</i>	<i>8.7</i>	<i>8.7</i>	<i>8.9</i>	<b>8.8</b>	<i>8.7</i>	<i>8.8</i>
Canada .....	<b>3.0</b>	<b>3.0</b>	<b>3.2</b>	<b>3.2</b>	<i>3.2</i>	<i>3.1</i>	<i>3.2</i>	<i>3.3</i>	<i>3.2</i>	<i>3.2</i>	<i>3.3</i>	<i>3.4</i>	<b>3.1</b>	<i>3.2</i>	<i>3.3</i>
Mexico.....	<b>3.8</b>	<b>3.8</b>	<b>3.8</b>	<b>3.8</b>	<i>3.8</i>	<i>3.9</i>	<i>3.9</i>	<i>3.8</i>	<i>4.0</i>	<i>4.0</i>	<i>4.0</i>	<i>3.9</i>	<b>3.8</b>	<i>3.8</i>	<i>4.0</i>
North Sea <sup>c</sup> .....	<b>6.3</b>	<b>5.8</b>	<b>5.7</b>	<b>6.1</b>	<i>5.9</i>	<i>5.7</i>	<i>5.8</i>	<i>6.1</i>	<i>6.0</i>	<i>5.7</i>	<i>5.8</i>	<i>6.1</i>	<b>6.0</b>	<i>5.9</i>	<i>5.9</i>
Other OECD.....	<b>1.6</b>	<b>1.6</b>	<b>1.6</b>	<b>1.6</b>	<i>1.6</i>	<i>1.6</i>	<i>1.6</i>	<i>1.6</i>	<i>1.5</i>	<i>1.6</i>	<i>1.6</i>	<i>1.6</i>	<b>1.6</b>	<i>1.6</i>	<i>1.6</i>
Total OECD.....	<b>23.7</b>	<b>22.9</b>	<b>23.2</b>	<b>23.7</b>	<i>23.4</i>	<i>23.0</i>	<i>23.0</i>	<i>23.5</i>	<i>23.6</i>	<i>23.2</i>	<i>23.5</i>	<i>23.9</i>	<b>23.4</b>	<i>23.2</i>	<i>23.6</i>
Non-OECD															
OPEC.....	<b>30.1</b>	<b>30.1</b>	<b>30.3</b>	<b>31.7</b>	<i>32.1</i>	<i>32.3</i>	<i>32.2</i>	<i>31.3</i>	<i>32.1</i>	<i>32.1</i>	<i>32.3</i>	<i>32.2</i>	<b>30.5</b>	<i>32.0</i>	<i>32.2</i>
Crude Oil Portion .....	<b>26.9</b>	<b>26.7</b>	<b>26.8</b>	<b>27.9</b>	<i>28.4</i>	<i>28.5</i>	<i>28.5</i>	<i>27.5</i>	<i>28.3</i>	<i>28.3</i>	<i>28.5</i>	<i>28.5</i>	<b>27.1</b>	<i>28.2</i>	<i>28.4</i>
Former Soviet Union.....	<b>9.9</b>	<b>10.1</b>	<b>10.5</b>	<b>10.7</b>	<i>10.9</i>	<i>11.1</i>	<i>11.2</i>	<i>11.3</i>	<i>11.7</i>	<i>11.9</i>	<i>12.1</i>	<i>12.2</i>	<b>10.3</b>	<i>11.1</i>	<i>12.0</i>
China.....	<b>3.5</b>	<b>3.6</b>	<b>3.5</b>	<b>3.6</b>	<i>3.6</i>	<i>3.6</i>	<i>3.5</i>	<i>3.5</i>	<i>3.4</i>	<i>3.4</i>	<i>3.4</i>	<i>3.4</i>	<b>3.5</b>	<i>3.5</i>	<i>3.4</i>
Other Non-OECD.....	<b>11.6</b>	<b>11.6</b>	<b>11.8</b>	<b>12.1</b>	<i>12.3</i>	<i>12.1</i>	<i>12.4</i>	<i>12.5</i>	<i>12.5</i>	<i>12.6</i>	<i>12.8</i>	<i>13.0</i>	<b>11.8</b>	<i>12.3</i>	<i>12.7</i>
Total Non-OECD.....	<b>55.1</b>	<b>55.4</b>	<b>56.1</b>	<b>58.1</b>	<i>58.9</i>	<i>59.1</i>	<i>59.3</i>	<i>58.6</i>	<i>59.6</i>	<i>59.9</i>	<i>60.6</i>	<i>60.8</i>	<b>56.2</b>	<i>59.0</i>	<i>60.3</i>
Total World Supply.....	<b>78.7</b>	<b>78.3</b>	<b>79.2</b>	<b>81.7</b>	<i>82.3</i>	<i>82.0</i>	<i>82.3</i>	<i>82.1</i>	<i>83.2</i>	<i>83.2</i>	<i>84.1</i>	<i>84.8</i>	<b>79.5</b>	<i>82.2</i>	<i>83.8</i>
<b>Stock Changes<sup>d</sup> (incl. strategic) and Balance</b>															
U.S. (50 States) Stock Change.....	<b>0.8</b>	<b>-0.9</b>	<b>-0.4</b>	<b>0.3</b>	<i>0.0</i>	<i>-0.6</i>	<i>-0.2</i>	<i>0.3</i>	<i>0.0</i>	<i>-0.7</i>	<i>0.0</i>	<i>0.4</i>	<b>-0.1</b>	<i>-0.1</i>	<i>-0.1</i>
Other OECD Stock Change.....	<b>-0.3</b>	<b>-0.4</b>	<b>-0.3</b>	<b>0.2</b>	<i>0.1</i>	<i>-0.4</i>	<i>-0.6</i>	<i>0.4</i>	<i>0.2</i>	<i>0.0</i>	<i>-0.4</i>	<i>0.1</i>	<b>0.1</b>	<i>0.0</i>	<i>0.0</i>
Other Stock Changes and Balance.....	<b>0.9</b>	<b>-0.1</b>	<b>0.7</b>	<b>-0.4</b>	<i>-0.5</i>	<i>-1.4</i>	<i>-0.3</i>	<i>0.6</i>	<i>0.4</i>	<i>-0.3</i>	<i>-0.1</i>	<i>0.4</i>	<b>0.0</b>	<i>-0.5</i>	<i>0.1</i>
Total.....	<b>1.3</b>	<b>-1.4</b>	<b>0.0</b>	<b>0.1</b>	<i>-0.4</i>	<i>-2.4</i>	<i>-1.0</i>	<i>1.2</i>	<i>0.6</i>	<i>-1.0</i>	<i>-0.5</i>	<i>1.0</i>	<b>0.0</b>	<i>-0.6</i>	<i>0.0</i>
OECD Comm. Stocks, End (bill. bbls.) .....	<b>2.4</b>	<b>2.5</b>	<b>2.6</b>	<b>2.5</b>	<i>2.5</i>	<i>2.6</i>	<i>2.6</i>	<i>2.5</i>	<i>2.5</i>	<i>2.6</i>	<i>2.6</i>	<i>2.6</i>	<b>2.5</b>	<i>2.5</i>	<i>2.6</i>
Non-OPEC Supply .....	<b>48.6</b>	<b>48.3</b>	<b>48.9</b>	<b>50.1</b>	<i>50.2</i>	<i>49.7</i>	<i>50.1</i>	<i>50.8</i>	<i>51.1</i>	<i>51.1</i>	<i>51.9</i>	<i>52.5</i>	<b>49.0</b>	<i>50.2</i>	<i>51.7</i>

<sup>a</sup>Demand for petroleum by the OECD countries is synonymous with "petroleum product supplied," which is defined in the glossary of the EIA *Petroleum Supply Monthly*, DOE/EIA-10109. Demand for petroleum by the non-OECD countries is "apparent consumption," which includes internal consumption, refinery fuel and loss, and bunkering.

<sup>b</sup>Includes production of crude oil (including lease condensates), natural gas plant liquids, other hydrogen and hydrocarbons for refinery feedstocks, refinery gains, alcohol, and liquids produced from coal and other sources.

<sup>c</sup>Includes offshore supply from Denmark, Germany, the Netherlands, Norway, and the United Kingdom.

<sup>d</sup>Stock draw shown as positive number; withdrawal shown as negative.

OECD: Organization for Economic Cooperation and Development: Australia, Austria, Belgium, Canada, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Luxembourg, Mexico, the Netherlands, New Zealand, Norway, Poland, Portugal, South Korea, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and the United States.

OPEC: Organization of Petroleum Exporting Countries: Algeria, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela.

SPR: Strategic Petroleum Reserve

Former Soviet Union: Armenia, Azerbaijan, Belarus, Estonia, Georgia, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine and Uzbekistan.

Notes: Minor discrepancies with other published EIA historical data are due to rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: EIA: latest data available from EIA databases supporting the following reports: *International Petroleum Monthly*, DOE/EIA-0520; Organization for Economic Cooperation and Development, Annual and Monthly Oil Statistics Database.

**Table 3a. OPEC Oil Production**  
(Thousand Barrels per Day)

	04/01/2004 OPEC 10 Quota	07/01/2004 OPEC 10 Quota	April 2004 Production	Production	May 2004 Capacity	Surplus Capacity
Algeria .....	750	814	1,200	1,200	1,200	0
Indonesia .....	1,218	1,322	970	965	965	0
Iran .....	3,450	3,744	3,900	3,900	3,900	0
Kuwait .....	1,886	2,047	2,350	2,400	2,400	0
Libya .....	1,258	1,365	1,450	1,450	1,450	0
Nigeria .....	1,936	2,101	2,350	2,350	2,350	0
Qatar .....	609	661	760	760	850	90
Saudi Arabia .....	7,638	8,288	8,400	8,600	10,000 - 10,500	1,400 - 1,900
United Arab Emirates .....	2,051	2,226	2,120	2,170	2,500	330
Venezuela .....	2,704	2,934	2,450	2,450	2,450	0
<b>OPEC 10</b> .....	<b>23,500</b>	<b>25,500</b>	<b>25,950</b>	<b>26,245</b>	<b>28,065 - 28,565</b>	<b>1,820 - 2,320</b>
Iraq .....			2,300	1,900	1,900	0
<b>Crude Oil Total</b> .....			<b>28,250</b>	<b>28,145</b>	<b>29,965 - 30,465</b>	<b>1,820 - 2,320</b>
<b>Other Liquids</b> .....			3,421	3,423		
<b>Total OPEC Supply</b> .....			<b>31,671</b>	<b>31,568</b>		

Notes: Crude oil does not include lease condensate or natural gas liquids. OPEC Quotas are based on crude oil production only. "Capacity" refers to maximum sustainable production capacity, defined as the maximum amount of production that: 1) could be brought online within a period of 30 days; and 2) sustained for at least 90 days. Kuwaiti and Saudi Arabian figures each include half of the production from the Neutral Zone between the two countries. Saudi Arabian production also includes oil produced from its offshore Abu Safa field produced on behalf of Bahrain. The amount of Saudi Arabian spare capacity that can be brought online is shown as a range, because a short delay may be needed to achieve the higher level. The United Arab Emirates (UAE) is a federation of seven emirates. The UAE's OPEC quota applies only to the emirate of Abu Dhabi, which controls the vast majority of the UAE's economic and resource wealth. Venezuelan capacity and production numbers exclude extra heavy crude oil used to make Orimulsion. OPEC: Organization of Petroleum Exporting Countries: Algeria, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela. OPEC 10 refers to all OPEC less Iraq. Iraqi production and exports have not been a part of any recent OPEC agreements. Iraq's current production number in this table is net of re-injection and water cut. Latest estimated gross production is about 2.3 million barrels per day. Other liquids include lease condensate, natural gas liquids, and other liquids including volume gains from refinery processing.

**Table 4. U.S. Energy Prices: Base Case**  
(Nominal Dollars)

	2003				2004				2005				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2003	2004	2005
<b>Crude Oil Prices</b> (dollars per barrel)															
Imported Average <sup>a</sup> .....	<b>30.58</b>	<b>25.58</b>	<b>27.37</b>	<b>27.80</b>	<i>31.17</i>	<i>34.61</i>	<i>32.27</i>	<i>31.11</i>	<i>30.25</i>	<i>29.88</i>	<i>29.57</i>	<i>29.71</i>	<b>27.74</b>	<i>32.30</i>	<i>29.84</i>
WTI <sup>b</sup> Spot Average .....	<b>34.10</b>	<b>28.98</b>	<b>30.21</b>	<b>31.19</b>	<i>35.25</i>	<i>38.51</i>	<i>36.23</i>	<i>34.80</i>	<i>33.92</i>	<i>33.52</i>	<i>33.21</i>	<i>33.37</i>	<b>31.12</b>	<i>36.20</i>	<i>33.51</i>
<b>Natural Gas</b> (dollars per thousand cubic feet)															
Average Wellhead.....	<b>5.54</b>	<b>5.01</b>	<b>4.74</b>	<b>4.62</b>	<i>5.22</i>	<i>5.39</i>	<i>6.02</i>	<i>6.33</i>	<i>6.12</i>	<i>5.55</i>	<i>5.47</i>	<i>5.85</i>	<b>4.98</b>	<i>5.74</i>	<i>5.75</i>
Composite Spot .....	<b>6.58</b>	<b>5.52</b>	<b>4.88</b>	<b>5.06</b>	<i>5.46</i>	<i>6.15</i>	<i>6.57</i>	<i>6.78</i>	<i>6.25</i>	<i>5.73</i>	<i>5.68</i>	<i>6.15</i>	<b>5.51</b>	<i>6.24</i>	<i>5.95</i>
<b>Petroleum Products</b>															
Gasoline Retail <sup>c</sup> (dollars per gallon)															
All Grades .....	<b>1.63</b>	<b>1.57</b>	<b>1.64</b>	<b>1.56</b>	<i>1.70</i>	<i>1.97</i>	<i>1.93</i>	<i>1.79</i>	<i>1.76</i>	<i>1.87</i>	<i>1.77</i>	<i>1.69</i>	<b>1.60</b>	<i>1.85</i>	<i>1.78</i>
Regular Unleaded .....	<b>1.59</b>	<b>1.53</b>	<b>1.60</b>	<b>1.52</b>	<i>1.65</i>	<i>1.93</i>	<i>1.89</i>	<i>1.74</i>	<i>1.72</i>	<i>1.83</i>	<i>1.73</i>	<i>1.65</i>	<b>1.56</b>	<i>1.81</i>	<i>1.73</i>
No. 2 Diesel Oil, Retail (dollars per gallon) .....	<b>1.62</b>	<b>1.47</b>	<b>1.46</b>	<b>1.48</b>	<i>1.59</i>	<i>1.72</i>	<i>1.65</i>	<i>1.64</i>	<i>1.61</i>	<i>1.57</i>	<i>1.55</i>	<i>1.60</i>	<b>1.51</b>	<i>1.65</i>	<i>1.58</i>
No. 2 Heating Oil, Wholesale (dollars per gallon) .....	<b>1.00</b>	<b>0.78</b>	<b>0.80</b>	<b>0.86</b>	<i>0.95</i>	<i>0.99</i>	<i>0.97</i>	<i>0.98</i>	<i>0.95</i>	<i>0.88</i>	<i>0.89</i>	<i>0.95</i>	<b>0.88</b>	<i>0.97</i>	<i>0.92</i>
No. 2 Heating Oil, Retail (dollars per gallon) .....	<b>1.45</b>	<b>1.28</b>	<b>1.18</b>	<b>1.29</b>	<i>1.42</i>	<i>1.34</i>	<i>1.33</i>	<i>1.45</i>	<i>1.43</i>	<i>1.30</i>	<i>1.25</i>	<i>1.36</i>	<b>1.32</b>	<i>1.40</i>	<i>1.35</i>
No. 6 Residual Fuel Oil, Retail <sup>d</sup> (dollars per barrel).....	<b>33.71</b>	<b>26.66</b>	<b>28.75</b>	<b>27.83</b>	<i>29.35</i>	<i>32.15</i>	<i>32.74</i>	<i>31.38</i>	<i>31.50</i>	<i>30.33</i>	<i>29.69</i>	<i>29.92</i>	<b>29.40</b>	<i>31.32</i>	<i>30.38</i>
<b>Electric Power Sector</b> (dollars per million Btu)															
Coal.....	<b>1.27</b>	<b>1.29</b>	<b>1.27</b>	<b>1.26</b>	<i>1.34</i>	<i>1.36</i>	<i>1.32</i>	<i>1.31</i>	<i>1.34</i>	<i>1.34</i>	<i>1.31</i>	<i>1.30</i>	<b>1.27</b>	<i>1.33</i>	<i>1.32</i>
Heavy Fuel Oil <sup>e</sup> .....	<b>5.05</b>	<b>4.76</b>	<b>4.60</b>	<b>4.66</b>	<i>5.18</i>	<i>5.76</i>	<i>5.56</i>	<i>5.31</i>	<i>5.09</i>	<i>4.99</i>	<i>4.95</i>	<i>5.14</i>	<b>4.78</b>	<i>5.43</i>	<i>5.04</i>
Natural Gas.....	<b>6.13</b>	<b>5.52</b>	<b>5.13</b>	<b>4.93</b>	<i>5.83</i>	<i>5.75</i>	<i>6.24</i>	<i>6.61</i>	<i>6.68</i>	<i>6.06</i>	<i>6.03</i>	<i>6.57</i>	<b>5.39</b>	<i>6.11</i>	<i>6.28</i>
<b>Other Residential</b>															
Natural Gas															
(dollars per thousand cubic feet).....	<b>8.62</b>	<b>10.58</b>	<b>12.47</b>	<b>9.65</b>	<i>9.55</i>	<i>10.79</i>	<i>12.96</i>	<i>11.20</i>	<i>10.50</i>	<i>11.12</i>	<i>12.32</i>	<i>10.29</i>	<b>9.49</b>	<i>10.47</i>	<i>10.67</i>
Electricity															
(cents per kilowatthour).....	<b>8.08</b>	<b>9.02</b>	<b>9.09</b>	<b>8.63</b>	<i>8.29</i>	<i>9.24</i>	<i>9.44</i>	<i>8.88</i>	<i>8.78</i>	<i>9.35</i>	<i>9.50</i>	<i>8.99</i>	<b>8.71</b>	<i>8.96</i>	<i>9.16</i>

<sup>a</sup>Refiner acquisition cost (RAC) of imported crude oil.

<sup>b</sup>West Texas Intermediate.

<sup>c</sup>Average self-service cash prices.

<sup>d</sup>Average for all sulfur contents.

<sup>e</sup>Includes fuel oils No. 4, No. 5, and No. 6 and topped crude fuel oil prices.

Notes: Prices exclude taxes, except prices for gasoline, residential natural gas, and diesel. Minor discrepancies with other published EIA historical data are due to rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Petroleum Marketing Monthly*, DOE/EIA-0380; *Natural Gas Monthly*, DOE/EIA-0130; *Monthly Energy Review*, DOE/EIA-0035; *Electric Power Monthly*, DOE/EIA-0226.

**Table 5. U.S. Petroleum Supply and Demand: Base Case**

(Million Barrels per Day, Except Closing Stocks)

	2003				2004				2005				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2003	2004	2005
<b>Supply</b>															
Crude Oil Supply															
Domestic Production <sup>a</sup> .....	<b>5.88</b>	<b>5.78</b>	<b>5.65</b>	<b>5.64</b>	<b>5.63</b>	<i>5.59</i>	<i>5.49</i>	<i>5.61</i>	<i>5.62</i>	<i>5.56</i>	<i>5.66</i>	<i>5.70</i>	<b>5.74</b>	<i>5.58</i>	<i>5.63</i>
Alaska .....	<b>1.01</b>	<b>0.98</b>	<b>0.94</b>	<b>0.96</b>	<b>0.97</b>	<i>0.94</i>	<i>0.89</i>	<i>0.98</i>	<i>0.95</i>	<i>0.89</i>	<i>0.86</i>	<i>0.88</i>	<b>0.97</b>	<i>0.95</i>	<i>0.90</i>
Lower 48 .....	<b>4.87</b>	<b>4.80</b>	<b>4.71</b>	<b>4.67</b>	<b>4.65</b>	<i>4.65</i>	<i>4.60</i>	<i>4.64</i>	<i>4.67</i>	<i>4.67</i>	<i>4.79</i>	<i>4.82</i>	<b>4.76</b>	<i>4.63</i>	<i>4.74</i>
Net Commercial Imports <sup>b</sup> .....	<b>8.78</b>	<b>10.02</b>	<b>10.23</b>	<b>9.77</b>	<b>9.55</b>	<i>9.92</i>	<i>9.93</i>	<i>9.75</i>	<i>9.51</i>	<i>10.27</i>	<i>10.27</i>	<i>10.06</i>	<b>9.70</b>	<i>9.79</i>	<i>10.03</i>
Net SPR Withdrawals .....	<b>-0.13</b>	<b>-0.16</b>	<b>-0.12</b>	<b>-0.11</b>	<b>-0.16</b>	<i>-0.12</i>	<i>-0.10</i>	<i>-0.14</i>	<i>-0.12</i>	<i>-0.06</i>	<i>0.00</i>	<i>0.00</i>	<b>-0.13</b>	<i>-0.13</i>	<i>-0.04</i>
Net Commercial Withdrawals.....	<b>-0.04</b>	<b>-0.02</b>	<b>-0.02</b>	<b>0.19</b>	<b>-0.28</b>	<i>-0.02</i>	<i>0.12</i>	<i>0.06</i>	<i>-0.22</i>	<i>0.05</i>	<i>0.14</i>	<i>0.03</i>	<b>0.03</b>	<i>-0.03</i>	<i>0.00</i>
Product Supplied and Losses .....	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<b>0.00</b>	<i>0.00</i>	<i>0.00</i>
Unaccounted-for Crude Oil .....	<b>0.06</b>	<b>0.10</b>	<b>-0.18</b>	<b>-0.12</b>	<b>0.05</b>	<i>0.26</i>	<i>0.31</i>	<i>0.02</i>	<i>0.39</i>	<i>0.37</i>	<i>0.13</i>	<i>0.01</i>	<b>-0.03</b>	<i>0.16</i>	<i>0.22</i>
Total Crude Oil Supply.....	<b>14.56</b>	<b>15.71</b>	<b>15.56</b>	<b>15.38</b>	<b>14.78</b>	<i>15.63</i>	<i>15.75</i>	<i>15.31</i>	<i>15.18</i>	<i>16.20</i>	<i>16.20</i>	<i>15.80</i>	<b>15.30</b>	<i>15.37</i>	<i>15.85</i>
Other Supply															
NGL Production .....	<b>1.76</b>	<b>1.61</b>	<b>1.71</b>	<b>1.79</b>	<b>1.81</b>	<i>1.70</i>	<i>1.65</i>	<i>1.72</i>	<i>1.80</i>	<i>1.73</i>	<i>1.67</i>	<i>1.75</i>	<b>1.72</b>	<i>1.72</i>	<i>1.74</i>
Other Hydrocarbon and Alcohol Inputs.....	<b>0.44</b>	<b>0.42</b>	<b>0.44</b>	<b>0.40</b>	<b>0.42</b>	<i>0.43</i>	<i>0.44</i>	<i>0.41</i>	<i>0.42</i>	<i>0.40</i>	<i>0.42</i>	<i>0.42</i>	<b>0.43</b>	<i>0.43</i>	<i>0.42</i>
Crude Oil Product Supplied .....	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<b>0.00</b>	<i>0.00</i>	<i>0.00</i>
Processing Gain.....	<b>0.89</b>	<b>0.97</b>	<b>1.00</b>	<b>1.02</b>	<b>1.02</b>	<i>0.99</i>	<i>0.96</i>	<i>0.97</i>	<i>0.95</i>	<i>0.96</i>	<i>0.96</i>	<i>0.99</i>	<b>0.97</b>	<i>0.98</i>	<i>0.97</i>
Net Product Imports <sup>c</sup> .....	<b>1.50</b>	<b>1.77</b>	<b>1.79</b>	<b>1.40</b>	<b>1.89</b>	<i>1.98</i>	<i>1.91</i>	<i>1.72</i>	<i>1.98</i>	<i>2.01</i>	<i>1.93</i>	<i>1.69</i>	<b>1.62</b>	<i>1.88</i>	<i>1.90</i>
Product Stock Withdrawn or Added (-).....	<b>0.86</b>	<b>-0.80</b>	<b>-0.18</b>	<b>0.25</b>	<b>0.44</b>	<i>-0.46</i>	<i>-0.19</i>	<i>0.34</i>	<i>0.36</i>	<i>-0.70</i>	<i>-0.17</i>	<i>0.35</i>	<b>0.03</b>	<i>0.03</i>	<i>-0.04</i>
Total Supply .....	<b>20.01</b>	<b>19.67</b>	<b>20.33</b>	<b>20.24</b>	<b>20.36</b>	<i>20.27</i>	<i>20.52</i>	<i>20.47</i>	<i>20.68</i>	<i>20.61</i>	<i>21.01</i>	<i>21.00</i>	<b>20.06</b>	<i>20.41</i>	<i>20.83</i>
<b>Demand</b>															
Motor Gasoline.....	<b>8.50</b>	<b>9.04</b>	<b>9.19</b>	<b>9.01</b>	<b>8.78</b>	<i>9.21</i>	<i>9.32</i>	<i>9.11</i>	<i>8.89</i>	<i>9.40</i>	<i>9.55</i>	<i>9.35</i>	<b>8.94</b>	<i>9.10</i>	<i>9.30</i>
Jet Fuel .....	<b>1.54</b>	<b>1.51</b>	<b>1.61</b>	<b>1.62</b>	<b>1.57</b>	<i>1.61</i>	<i>1.67</i>	<i>1.69</i>	<i>1.62</i>	<i>1.63</i>	<i>1.69</i>	<i>1.75</i>	<b>1.57</b>	<i>1.64</i>	<i>1.67</i>
Distillate Fuel Oil.....	<b>4.22</b>	<b>3.80</b>	<b>3.79</b>	<b>3.91</b>	<b>4.25</b>	<i>3.95</i>	<i>3.88</i>	<i>4.08</i>	<i>4.32</i>	<i>3.99</i>	<i>3.99</i>	<i>4.18</i>	<b>3.93</b>	<i>4.04</i>	<i>4.12</i>
Residual Fuel Oil.....	<b>0.86</b>	<b>0.72</b>	<b>0.78</b>	<b>0.74</b>	<b>0.85</b>	<i>0.73</i>	<i>0.71</i>	<i>0.79</i>	<i>0.88</i>	<i>0.73</i>	<i>0.77</i>	<i>0.82</i>	<b>0.78</b>	<i>0.77</i>	<i>0.80</i>
Other Oils <sup>d</sup> .....	<b>4.90</b>	<b>4.59</b>	<b>4.96</b>	<b>4.98</b>	<b>4.91</b>	<i>4.77</i>	<i>4.94</i>	<i>4.80</i>	<i>4.97</i>	<i>4.85</i>	<i>5.00</i>	<i>4.90</i>	<b>4.86</b>	<i>4.86</i>	<i>4.93</i>
Total Demand .....	<b>20.02</b>	<b>19.67</b>	<b>20.33</b>	<b>20.27</b>	<b>20.36</b>	<i>20.26</i>	<i>20.52</i>	<i>20.47</i>	<i>20.68</i>	<i>20.61</i>	<i>21.01</i>	<i>20.99</i>	<b>20.07</b>	<i>20.40</i>	<i>20.82</i>
<b>Total Petroleum Net Imports</b> .....	<b>10.28</b>	<b>11.78</b>	<b>12.02</b>	<b>11.17</b>	<b>11.44</b>	<i>11.90</i>	<i>11.83</i>	<i>11.47</i>	<i>11.49</i>	<i>12.29</i>	<i>12.20</i>	<i>11.75</i>	<b>11.32</b>	<i>11.66</i>	<i>11.93</i>
<b>Closing Stocks</b> (million barrels)															
Crude Oil (excluding SPR).....	<b>282</b>	<b>284</b>	<b>286</b>	<b>268</b>	<b>294</b>	<i>295</i>	<i>284</i>	<i>278</i>	<i>298</i>	<i>293</i>	<i>280</i>	<i>278</i>	<b>268</b>	<i>278</i>	<i>278</i>
Total Motor Gasoline.....	<b>200</b>	<b>206</b>	<b>197</b>	<b>207</b>	<b>201</b>	<i>204</i>	<i>192</i>	<i>195</i>	<i>199</i>	<i>209</i>	<i>198</i>	<i>201</i>	<b>207</b>	<i>195</i>	<i>201</i>
Finished Motor Gasoline.....	<b>145</b>	<b>153</b>	<b>145</b>	<b>147</b>	<b>133</b>	<i>140</i>	<i>131</i>	<i>132</i>	<i>130</i>	<i>143</i>	<i>135</i>	<i>136</i>	<b>147</b>	<i>132</i>	<i>136</i>
Blending Components.....	<b>55</b>	<b>53</b>	<b>52</b>	<b>60</b>	<b>68</b>	<i>64</i>	<i>62</i>	<i>63</i>	<i>69</i>	<i>66</i>	<i>63</i>	<i>65</i>	<b>60</b>	<i>63</i>	<i>65</i>
Jet Fuel .....	<b>37</b>	<b>38</b>	<b>40</b>	<b>39</b>	<b>36</b>	<i>37</i>	<i>39</i>	<i>38</i>	<i>37</i>	<i>39</i>	<i>41</i>	<i>40</i>	<b>39</b>	<i>38</i>	<i>40</i>
Distillate Fuel Oil .....	<b>99</b>	<b>112</b>	<b>129</b>	<b>137</b>	<b>104</b>	<i>114</i>	<i>125</i>	<i>129</i>	<i>104</i>	<i>116</i>	<i>126</i>	<i>131</i>	<b>137</b>	<i>129</i>	<i>131</i>
Residual Fuel Oil.....	<b>32</b>	<b>36</b>	<b>32</b>	<b>38</b>	<b>39</b>	<i>37</i>	<i>36</i>	<i>37</i>	<i>36</i>	<i>37</i>	<i>36</i>	<i>37</i>	<b>38</b>	<i>37</i>	<i>37</i>
Other Oils <sup>e</sup> .....	<b>226</b>	<b>275</b>	<b>285</b>	<b>241</b>	<b>240</b>	<i>270</i>	<i>288</i>	<i>251</i>	<i>241</i>	<i>279</i>	<i>294</i>	<i>255</i>	<b>241</b>	<i>251</i>	<i>255</i>
Total Stocks (excluding SPR) .....	<b>876</b>	<b>951</b>	<b>969</b>	<b>929</b>	<b>914</b>	<i>957</i>	<i>964</i>	<i>927</i>	<i>914</i>	<i>973</i>	<i>976</i>	<i>941</i>	<b>929</b>	<i>927</i>	<i>941</i>
Crude Oil in SPR.....	<b>599</b>	<b>609</b>	<b>624</b>	<b>638</b>	<b>652</b>	<i>662</i>	<i>671</i>	<i>684</i>	<i>694</i>	<i>700</i>	<i>700</i>	<i>700</i>	<b>638</b>	<i>684</i>	<i>700</i>
Heating Oil Reserve.....	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<i>2</i>	<i>2</i>	<i>2</i>	<i>2</i>	<i>2</i>	<i>2</i>	<i>2</i>	<b>2</b>	<i>2</i>	<i>2</i>
Total Stocks (incl SPR and HOR).....	<b>1477</b>	<b>1561</b>	<b>1596</b>	<b>1569</b>	<b>1568</b>	<i>1621</i>	<i>1636</i>	<i>1612</i>	<i>1611</i>	<i>1675</i>	<i>1678</i>	<i>1643</i>	<b>1569</b>	<i>1612</i>	<i>1643</i>

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

<sup>b</sup>Net imports equals gross imports minus exports.

<sup>c</sup>Includes finished petroleum products, unfinished oils, gasoline blending components, and natural gas plant liquids for processing.

<sup>d</sup>Includes crude oil product supplied, natural gas liquids, liquefied refinery gas, other liquids, and all finished petroleum products except motor gasoline, jet fuel, distillate, and residual fuel oil.

<sup>e</sup>Includes stocks of all other oils, such as aviation gasoline, kerosene, natural gas liquids (including ethane), aviation gasoline blending components, naphtha and other oils for petrochemical feedstock use, special naphthas, lube oils, wax, coke, asphalt, road oil, and miscellaneous oils.

SPR: Strategic Petroleum Reserve

HOR: Heating Oil Reserve

NGL: Natural Gas Liquids

 Notes: Minor discrepancies with other EIA published historical data are due to rounding, with the following exception: recent petroleum demand and supply data displayed here reflect the incorporation of resubmissions of the data as reported in EIA's *Petroleum Supply Monthly*, Table C.1. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System model.

 Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Petroleum Supply Monthly*, DOE/EIA-0109, and *Weekly Petroleum Status Report*, DOE/EIA-0208.

**Table 6. Approximate Energy Demand Sensitivities<sup>a</sup> for the STIFS<sup>b</sup>**  
(Percent Deviation Base Case)

Demand Sector	+1% GDP	+ 10% Prices		+ 10% Weather <sup>e</sup>	
		Crude Oil <sup>c</sup>	N.Gas Wellhead <sup>d</sup>	Fall/Winter <sup>f</sup>	Spring/Summer <sup>f</sup>
<b>Petroleum</b>					
Total.....	0.6%	-0.3%	0.1%	1.1%	0.1%
Motor Gasoline .....	0.1%	-0.3%	0.0%	0.0%	0.0%
Distillate Fuel .....	0.8%	-0.2%	0.0%	2.7%	0.1%
Residual Fuel.....	1.6%	-3.4%	2.6%	2.0%	2.7%
<b>Natural Gas</b>					
Total.....	1.1%	0.3%	-0.4%	4.4%	1.0%
Residential .....	0.1%	0.0%	0.0%	8.2%	0.0%
Commercial.....	0.9%	0.0%	0.0%	7.3%	0.0%
Industrial .....	1.7%	0.2%	-0.5%	1.3%	0.0%
Electric Power.....	1.8%	1.6%	-1.5%	1.0%	4.0%
<b>Coal</b>					
Total.....	0.7%	0.0%	0.0%	1.7%	1.7%
Electric Power.....	0.6%	0.0%	0.0%	1.9%	1.9%
<b>Electricity</b>					
Total.....	0.6%	0.0%	0.0%	1.5%	1.7%
Residential .....	0.1%	0.0%	0.0%	3.2%	3.6%
Commercial.....	0.9%	0.0%	0.0%	1.0%	1.4%
Industrial .....	0.8%	0.0%	0.0%	0.3%	0.2%

<sup>a</sup>Percent change in demand quantity resulting from specified percent changes in model inputs.

<sup>b</sup>Short-Term Integrated Forecasting System.

<sup>c</sup>Refiner acquisitions cost of imported crude oil.

<sup>d</sup>Average unit value of marketed natural gas production reported by States.

<sup>e</sup>Refers to percent changes in degree-days.

<sup>f</sup>Response during fall/winter period(first and fourth calendar quarters) refers to change in heating degree-days. Response during the spring/summer period (second and third calendar quarters) refers to change in cooling degree-days.

**Table 7. Forecast Components for U.S. Crude Oil Production**  
(Million Barrels per Day)

	High Price Case	Low Price Case	Difference		
			Total	Uncertainty	Price Impact
United States .....	5.955	5.447	0.508	0.490	0.459
Lower 48 States.....	5.069	4.571	0.498	0.044	0.454
Alaska.....	0.886	0.876	0.010	0.005	0.005

Note: Components provided are for the fourth quarter 2005.

Source: EIA, Office of Oil and Gas, Reserves and Production Division.

**Table 8. U.S. Natural Gas Supply and Demand: Base Case**  
(Trillion Cubic Feet)

	2003				2004				2005				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2003	2004	2005
<b>Supply</b>															
Total Dry Gas Production.....	<b>4.78</b>	<b>4.75</b>	<b>4.78</b>	<b>4.76</b>	4.78	4.75	4.83	4.88	4.81	4.80	4.82	4.86	<b>19.07</b>	19.24	19.29
Gross Imports .....	<b>0.99</b>	<b>0.93</b>	<b>0.99</b>	<b>1.01</b>	0.99	0.93	0.97	1.03	1.00	0.97	0.99	1.05	<b>3.93</b>	3.92	4.00
Pipeline .....	<b>0.92</b>	<b>0.81</b>	<b>0.83</b>	<b>0.87</b>	0.85	0.77	0.79	0.84	0.83	0.77	0.79	0.84	<b>3.42</b>	3.26	3.23
LNG.....	<b>0.08</b>	<b>0.13</b>	<b>0.16</b>	<b>0.14</b>	0.14	0.16	0.18	0.18	0.17	0.20	0.20	0.21	<b>0.51</b>	0.66	0.77
Gross Exports .....	<b>0.17</b>	<b>0.16</b>	<b>0.16</b>	<b>0.21</b>	0.19	0.17	0.18	0.20	0.20	0.20	0.22	0.23	<b>0.69</b>	0.74	0.85
Net Imports .....	<b>0.82</b>	<b>0.78</b>	<b>0.84</b>	<b>0.80</b>	0.80	0.76	0.78	0.83	0.80	0.76	0.78	0.81	<b>3.24</b>	3.18	3.15
Supplemental Gaseous Fuels.....	<b>0.02</b>	<b>0.01</b>	<b>0.02</b>	<b>0.02</b>	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	<b>0.06</b>	0.07	0.07
Total New Supply.....	<b>5.62</b>	<b>5.54</b>	<b>5.63</b>	<b>5.58</b>	5.60	5.53	5.63	5.72	5.63	5.58	5.62	5.69	<b>22.37</b>	22.48	22.52
Working Gas in Storage															
Opening .....	<b>2.38</b>	<b>0.73</b>	<b>1.77</b>	<b>2.84</b>	2.56	1.03	1.99	2.94	2.55	1.19	2.06	2.98	<b>2.38</b>	2.56	2.55
Closing .....	<b>0.73</b>	<b>1.77</b>	<b>2.84</b>	<b>2.56</b>	1.03	1.99	2.94	2.55	1.19	2.06	2.98	2.53	<b>2.56</b>	2.55	2.53
Net Withdrawals.....	<b>1.65</b>	<b>-1.04</b>	<b>-1.07</b>	<b>0.28</b>	1.54	-0.96	-0.95	0.40	1.35	-0.86	-0.92	0.45	<b>-0.19</b>	0.02	0.02
Total Supply .....	<b>7.26</b>	<b>4.51</b>	<b>4.56</b>	<b>5.86</b>	7.14	4.56	4.68	6.12	6.98	4.72	4.70	6.14	<b>22.18</b>	22.50	22.53
Balancing Item <sup>a</sup> .....	<b>0.07</b>	<b>0.03</b>	<b>0.00</b>	<b>-0.36</b>	0.10	0.19	-0.07	-0.50	0.18	0.09	-0.06	-0.48	<b>-0.26</b>	-0.28	-0.26
Total Primary Supply.....	<b>7.33</b>	<b>4.54</b>	<b>4.56</b>	<b>5.50</b>	7.24	4.75	4.61	5.62	7.17	4.81	4.64	5.66	<b>21.92</b>	22.22	22.27
<b>Demand</b>															
Residential .....	<b>2.52</b>	<b>0.83</b>	<b>0.37</b>	<b>1.39</b>	2.44	0.79	0.37	1.45	2.42	0.83	0.37	1.45	<b>5.11</b>	5.06	5.08
Commercial.....	<b>1.37</b>	<b>0.57</b>	<b>0.39</b>	<b>0.81</b>	1.31	0.57	0.41	0.87	1.30	0.60	0.42	0.89	<b>3.14</b>	3.15	3.21
Industrial .....	<b>2.18</b>	<b>1.89</b>	<b>1.96</b>	<b>2.08</b>	2.26	1.94	1.95	2.09	2.24	2.01	1.98	2.08	<b>8.11</b>	8.25	8.32
Lease and Plant Fuel.....	<b>0.28</b>	<b>0.28</b>	<b>0.28</b>	<b>0.28</b>	0.28	0.28	0.29	0.29	0.28	0.28	0.28	0.29	<b>1.12</b>	1.14	1.14
Other Industrial .....	<b>1.90</b>	<b>1.61</b>	<b>1.68</b>	<b>1.80</b>	1.98	1.66	1.66	1.80	1.96	1.72	1.70	1.79	<b>6.99</b>	7.11	7.18
CHP <sup>b</sup> .....	<b>0.30</b>	<b>0.26</b>	<b>0.29</b>	<b>0.29</b>	0.28	0.28	0.29	0.27	0.29	0.28	0.29	0.27	<b>1.14</b>	1.12	1.14
Non-CHP .....	<b>1.60</b>	<b>1.34</b>	<b>1.40</b>	<b>1.51</b>	1.70	1.38	1.38	1.54	1.67	1.44	1.41	1.52	<b>5.85</b>	5.99	6.04
Transportation <sup>c</sup> .....	<b>0.21</b>	<b>0.13</b>	<b>0.13</b>	<b>0.16</b>	0.21	0.14	0.14	0.16	0.21	0.14	0.13	0.16	<b>0.64</b>	0.65	0.65
Electric Power <sup>d</sup> .....	<b>1.05</b>	<b>1.13</b>	<b>1.70</b>	<b>1.06</b>	1.01	1.31	1.74	1.05	0.99	1.23	1.73	1.06	<b>4.93</b>	5.11	5.01
Total Demand .....	<b>7.33</b>	<b>4.54</b>	<b>4.56</b>	<b>5.50</b>	7.24	4.75	4.61	5.62	7.17	4.81	4.64	5.66	<b>21.92</b>	22.22	22.27

<sup>a</sup>The balancing item represents the difference between the sum of the components of natural gas supply and the sum of components of natural gas demand.

<sup>b</sup>Natural gas used for electricity generation and production of useful thermal output by combined heat and power (CHP) plants at industrial facilities. Includes a small amount of natural gas consumption at electricity-only plants in the industrial sector.

<sup>c</sup>Pipeline fuel use plus natural gas used as vehicle fuel.

<sup>d</sup>Natural gas used for electricity generation and (a limited amount of) useful thermal output by electric utilities and independent power producers.

LNG = Liquefied natural gas

Notes: Minor discrepancies with other EIA published historical data are due to rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Natural Gas Monthly*, DOE/EIA-0130; *Electric Power Monthly*, DOE/EIA-0226. Projections: EIA, Short-Term Integrated Forecasting System database, and Office of Oil and Gas, Reserves and Production Division.



**Table 9. U.S. Coal Supply and Demand: Base Case**  
(Million Short Tons)

	2003				2004				2005				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2003	2004	2005
<b>Supply</b>															
Production.....	<b>264.0</b>	<b>268.3</b>	<b>268.2</b>	<b>269.0</b>	<i>267.4</i>	<i>272.4</i>	<i>276.7</i>	<i>277.9</i>	<i>283.2</i>	<i>271.1</i>	<i>281.5</i>	<i>289.0</i>	<b>1069.5</b>	<i>1094.4</i>	<i>1124.8</i>
Appalachia.....	<b>95.2</b>	<b>96.6</b>	<b>92.4</b>	<b>91.6</b>	<i>94.4</i>	<i>95.0</i>	<i>92.7</i>	<i>95.7</i>	<i>98.2</i>	<i>92.3</i>	<i>91.8</i>	<i>97.0</i>	<b>375.7</b>	<i>377.8</i>	<i>379.3</i>
Interior.....	<b>36.2</b>	<b>37.0</b>	<b>36.1</b>	<b>37.2</b>	<i>35.2</i>	<i>36.3</i>	<i>35.7</i>	<i>35.1</i>	<i>35.5</i>	<i>34.7</i>	<i>34.7</i>	<i>34.8</i>	<b>146.5</b>	<i>142.2</i>	<i>139.6</i>
Western.....	<b>132.6</b>	<b>134.7</b>	<b>139.7</b>	<b>140.2</b>	<i>137.8</i>	<i>141.1</i>	<i>148.3</i>	<i>147.1</i>	<i>149.5</i>	<i>144.1</i>	<i>155.0</i>	<i>157.1</i>	<b>547.3</b>	<i>574.3</i>	<i>605.8</i>
Primary Stock Levels <sup>a</sup>															
Opening.....	<b>43.3</b>	<b>39.0</b>	<b>37.7</b>	<b>35.0</b>	<i>36.8</i>	<i>35.4</i>	<i>35.0</i>	<i>33.4</i>	<i>34.7</i>	<i>35.1</i>	<i>35.3</i>	<i>33.2</i>	<b>43.3</b>	<i>36.8</i>	<i>34.7</i>
Closing.....	<b>39.0</b>	<b>37.7</b>	<b>35.0</b>	<b>36.8</b>	<i>35.4</i>	<i>35.0</i>	<i>33.4</i>	<i>34.7</i>	<i>35.1</i>	<i>35.3</i>	<i>33.2</i>	<i>35.1</i>	<b>36.8</b>	<i>34.7</i>	<i>35.1</i>
Net Withdrawals.....	<b>4.3</b>	<b>1.3</b>	<b>2.7</b>	<b>-1.8</b>	<i>1.4</i>	<i>0.3</i>	<i>1.7</i>	<i>-1.4</i>	<i>-0.4</i>	<i>-0.2</i>	<i>2.1</i>	<i>-1.9</i>	<b>6.5</b>	<i>2.1</i>	<i>-0.3</i>
Imports.....	<b>5.0</b>	<b>6.4</b>	<b>7.1</b>	<b>6.6</b>	<i>5.3</i>	<i>7.1</i>	<i>6.6</i>	<i>6.2</i>	<i>6.7</i>	<i>7.0</i>	<i>6.5</i>	<i>6.1</i>	<b>25.0</b>	<i>25.3</i>	<i>26.3</i>
Exports.....	<b>8.5</b>	<b>11.4</b>	<b>12.1</b>	<b>11.0</b>	<i>10.9</i>	<i>11.4</i>	<i>11.2</i>	<i>10.9</i>	<i>11.1</i>	<i>11.8</i>	<i>11.6</i>	<i>11.3</i>	<b>43.0</b>	<i>44.3</i>	<i>45.8</i>
Total Net Domestic Supply.....	<b>264.7</b>	<b>264.6</b>	<b>265.8</b>	<b>262.9</b>	<i>263.3</i>	<i>268.5</i>	<i>273.8</i>	<i>271.9</i>	<i>278.3</i>	<i>266.2</i>	<i>278.5</i>	<i>281.9</i>	<b>1058.0</b>	<i>1077.5</i>	<i>1105.0</i>
Secondary Stock Levels <sup>b</sup>															
Opening.....	<b>148.9</b>	<b>136.8</b>	<b>148.0</b>	<b>128.4</b>	<i>127.0</i>	<i>129.8</i>	<i>142.5</i>	<i>128.6</i>	<i>129.9</i>	<i>131.4</i>	<i>140.6</i>	<i>126.7</i>	<b>148.9</b>	<i>127.0</i>	<i>129.9</i>
Closing.....	<b>136.8</b>	<b>148.0</b>	<b>128.4</b>	<b>127.0</b>	<i>129.8</i>	<i>142.5</i>	<i>128.6</i>	<i>129.9</i>	<i>131.4</i>	<i>140.6</i>	<i>126.7</i>	<i>132.5</i>	<b>127.0</b>	<i>129.9</i>	<i>132.5</i>
Net Withdrawals.....	<b>12.0</b>	<b>-11.1</b>	<b>19.6</b>	<b>1.4</b>	<i>-2.8</i>	<i>-12.7</i>	<i>13.8</i>	<i>-1.2</i>	<i>-1.6</i>	<i>-9.2</i>	<i>13.9</i>	<i>-5.8</i>	<b>21.9</b>	<i>-2.9</i>	<i>-2.7</i>
Waste Coal Supplied to IPPs <sup>c</sup> .....	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<i>2.9</i>	<i>2.9</i>	<i>2.9</i>	<i>3.8</i>	<i>3.8</i>	<i>3.8</i>	<i>3.7</i>	<i>3.8</i>	<b>11.6</b>	<i>12.5</i>	<i>15.1</i>
Total Supply.....	<b>279.6</b>	<b>256.4</b>	<b>288.3</b>	<b>267.2</b>	<i>263.4</i>	<i>258.7</i>	<i>290.5</i>	<i>274.4</i>	<i>280.6</i>	<i>260.8</i>	<i>296.2</i>	<i>279.9</i>	<b>1091.5</b>	<i>1087.1</i>	<i>1117.4</i>
<b>Demand</b>															
Coke Plants.....	<b>6.0</b>	<b>6.1</b>	<b>6.1</b>	<b>6.1</b>	<i>6.2</i>	<i>6.3</i>	<i>6.4</i>	<i>5.8</i>	<i>6.4</i>	<i>6.2</i>	<i>6.4</i>	<i>5.7</i>	<b>24.2</b>	<i>24.7</i>	<i>24.8</i>
Electric Power Sector <sup>d</sup> .....	<b>248.7</b>	<b>231.4</b>	<b>271.7</b>	<b>252.5</b>	<i>251.4</i>	<i>233.8</i>	<i>268.3</i>	<i>250.8</i>	<i>256.6</i>	<i>239.4</i>	<i>274.0</i>	<i>256.2</i>	<b>1004.3</b>	<i>1004.3</i>	<i>1026.1</i>
Retail and General Industry.....	<b>16.9</b>	<b>15.6</b>	<b>15.8</b>	<b>17.3</b>	<i>17.6</i>	<i>15.2</i>	<i>15.8</i>	<i>17.8</i>	<i>17.6</i>	<i>15.2</i>	<i>15.8</i>	<i>17.9</i>	<b>65.6</b>	<i>66.5</i>	<i>66.5</i>
Total Demand <sup>e</sup> .....	<b>271.6</b>	<b>253.0</b>	<b>293.6</b>	<b>275.9</b>	<i>275.2</i>	<i>255.3</i>	<i>290.5</i>	<i>274.4</i>	<i>280.6</i>	<i>260.8</i>	<i>296.2</i>	<i>279.9</i>	<b>1094.1</b>	<i>1095.5</i>	<i>1117.4</i>
Discrepancy <sup>f</sup> .....	<b>8.0</b>	<b>3.4</b>	<b>-5.3</b>	<b>-8.7</b>	<i>-11.8</i>	<i>3.4</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<b>-2.7</b>	<i>-8.4</i>	<i>0.0</i>

<sup>a</sup>Primary stocks are held at the mines, preparation plants, and distribution points.

<sup>b</sup>Secondary stocks are held by users. It includes an estimate of stocks held at utility plants sold to nonutility generators.

<sup>c</sup>Estimated independent power producers' (IPPs) consumption of waste coal. This item includes waste coal and coal slurry reprocessed into briquettes.

<sup>d</sup>Coal used for electricity generation and (a limited amount of) useful thermal output by electric utilities and independent power producers.

<sup>e</sup>Total Demand includes estimated IPP consumption.

<sup>f</sup>The discrepancy reflects an unaccounted-for shipper and receiver reporting difference, assumed to be zero in the forecast period.

Notes: Totals may not add due to independent rounding. Minor discrepancies with other EIA published historical data are due to rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: EIA; latest data available from EIA databases supporting the following reports: *Quarterly Coal Report*, DOE/EIA-0121, and *Electric Power Monthly*, DOE/EIA-0226. Projections: EIA, Short-Term Integrated Forecasting System database, and Office of Coal, Nuclear, Electric and Alternate Fuels (coal production).

**Table 10a. U.S. Electricity Supply and Demand: Base Case**  
(Billion Kilowatthours)

	2003				2004				2005				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2003	2004	2005
<b>Net Electricity Generation</b>															
Electric Power Sector <sup>a</sup>															
Coal .....	<b>485.6</b>	<b>446.7</b>	<b>526.3</b>	<b>489.4</b>	<i>487.5</i>	<i>451.8</i>	<i>518.9</i>	<i>484.6</i>	<i>494.9</i>	<i>461.2</i>	<i>527.8</i>	<i>492.8</i>	<b>1948.0</b>	<i>1942.7</i>	<i>1976.7</i>
Petroleum .....	<b>31.5</b>	<b>25.8</b>	<b>31.9</b>	<b>23.4</b>	<i>39.4</i>	<i>26.2</i>	<i>30.6</i>	<i>26.2</i>	<i>31.5</i>	<i>24.8</i>	<i>34.2</i>	<i>28.3</i>	<b>112.5</b>	<i>122.4</i>	<i>118.8</i>
Natural Gas .....	<b>116.9</b>	<b>124.6</b>	<b>190.5</b>	<b>118.7</b>	<i>117.8</i>	<i>146.2</i>	<i>192.5</i>	<i>122.3</i>	<i>116.9</i>	<i>138.4</i>	<i>193.1</i>	<i>125.8</i>	<b>550.6</b>	<i>578.8</i>	<i>574.2</i>
Nuclear .....	<b>190.1</b>	<b>183.2</b>	<b>202.3</b>	<b>188.2</b>	<i>195.4</i>	<i>193.2</i>	<i>206.3</i>	<i>191.5</i>	<i>196.1</i>	<i>192.2</i>	<i>206.8</i>	<i>191.9</i>	<b>763.7</b>	<i>786.3</i>	<i>787.1</i>
Hydroelectric.....	<b>60.0</b>	<b>80.0</b>	<b>61.9</b>	<b>58.7</b>	<i>65.7</i>	<i>77.1</i>	<i>65.2</i>	<i>63.5</i>	<i>70.0</i>	<i>84.1</i>	<i>67.5</i>	<i>65.4</i>	<b>260.6</b>	<i>271.5</i>	<i>287.1</i>
Other <sup>b</sup> .....	<b>13.0</b>	<b>13.8</b>	<b>13.9</b>	<b>14.5</b>	<i>14.3</i>	<i>14.8</i>	<i>15.4</i>	<i>15.2</i>	<i>14.9</i>	<i>15.4</i>	<i>16.1</i>	<i>15.9</i>	<b>55.1</b>	<i>59.7</i>	<i>62.2</i>
Subtotal .....	<b>897.1</b>	<b>874.0</b>	<b>1026.7</b>	<b>892.9</b>	<i>920.1</i>	<i>909.2</i>	<i>1028.9</i>	<i>903.3</i>	<i>924.3</i>	<i>916.3</i>	<i>1045.5</i>	<i>920.1</i>	<b>3690.7</b>	<i>3761.5</i>	<i>3806.2</i>
Other Sectors <sup>c</sup> .....	<b>40.2</b>	<b>37.3</b>	<b>38.8</b>	<b>41.0</b>	<i>39.7</i>	<i>40.1</i>	<i>41.9</i>	<i>39.8</i>	<i>39.5</i>	<i>40.0</i>	<i>42.6</i>	<i>40.9</i>	<b>157.3</b>	<i>161.5</i>	<i>163.0</i>
Total Generation.....	<b>937.3</b>	<b>911.3</b>	<b>1065.5</b>	<b>933.8</b>	<i>959.8</i>	<i>949.3</i>	<i>1070.8</i>	<i>943.1</i>	<i>963.8</i>	<i>956.3</i>	<i>1088.2</i>	<i>961.0</i>	<b>3848.0</b>	<i>3923.0</i>	<i>3969.2</i>
Net Imports .....	<b>2.6</b>	<b>1.6</b>	<b>4.6</b>	<b>-2.4</b>	<i>0.9</i>	<i>1.8</i>	<i>4.1</i>	<i>1.7</i>	<i>1.6</i>	<i>0.9</i>	<i>3.4</i>	<i>0.8</i>	<b>6.4</b>	<i>8.4</i>	<i>6.7</i>
Total Supply.....	<b>940.0</b>	<b>912.9</b>	<b>1070.1</b>	<b>931.4</b>	<i>960.7</i>	<i>951.1</i>	<i>1074.8</i>	<i>944.8</i>	<i>965.4</i>	<i>957.2</i>	<i>1091.6</i>	<i>961.7</i>	<b>3854.4</b>	<i>3931.4</i>	<i>3975.9</i>
Losses and Unaccounted for <sup>d</sup> .....	<b>30.5</b>	<b>57.4</b>	<b>44.9</b>	<b>48.0</b>	<i>38.0</i>	<i>59.9</i>	<i>44.7</i>	<i>48.6</i>	<i>38.7</i>	<i>60.1</i>	<i>45.4</i>	<i>49.5</i>	<b>180.8</b>	<i>191.3</i>	<i>193.7</i>
<b>Demand</b>															
Retail Sales <sup>e</sup>															
Residential.....	<b>337.5</b>	<b>273.4</b>	<b>377.6</b>	<b>291.4</b>	<i>341.8</i>	<i>289.1</i>	<i>373.5</i>	<i>301.9</i>	<i>345.1</i>	<i>291.1</i>	<i>379.2</i>	<i>307.4</i>	<b>1279.9</b>	<i>1306.2</i>	<i>1322.8</i>
Commercial <sup>f</sup> .....	<b>289.2</b>	<b>292.4</b>	<b>343.8</b>	<b>298.0</b>	<i>293.0</i>	<i>303.1</i>	<i>345.3</i>	<i>301.6</i>	<i>298.1</i>	<i>307.8</i>	<i>353.5</i>	<i>307.9</i>	<b>1223.4</b>	<i>1243.0</i>	<i>1267.2</i>
Industrial.....	<b>237.2</b>	<b>247.4</b>	<b>259.4</b>	<b>247.4</b>	<i>243.0</i>	<i>253.4</i>	<i>263.6</i>	<i>247.5</i>	<i>238.7</i>	<i>252.7</i>	<i>265.1</i>	<i>250.5</i>	<b>991.4</b>	<i>1007.3</i>	<i>1007.0</i>
Transportation <sup>g</sup> .....	<b>1.2</b>	<b>1.2</b>	<b>1.5</b>	<b>1.3</b>	<i>1.2</i>	<i>1.3</i>	<i>1.5</i>	<i>1.3</i>	<i>1.2</i>	<i>1.3</i>	<i>1.5</i>	<i>1.3</i>	<b>5.3</b>	<i>5.3</i>	<i>5.3</i>
Subtotal .....	<b>865.1</b>	<b>814.3</b>	<b>982.4</b>	<b>838.2</b>	<i>878.9</i>	<i>846.9</i>	<i>983.8</i>	<i>852.2</i>	<i>883.1</i>	<i>852.9</i>	<i>999.2</i>	<i>867.1</i>	<b>3500.0</b>	<i>3561.9</i>	<i>3602.3</i>
Other Use/Sales <sup>h</sup> .....	<b>44.4</b>	<b>41.2</b>	<b>42.8</b>	<b>45.2</b>	<i>43.8</i>	<i>44.3</i>	<i>46.3</i>	<i>44.0</i>	<i>43.6</i>	<i>44.2</i>	<i>47.1</i>	<i>45.1</i>	<b>173.7</b>	<i>178.3</i>	<i>180.0</i>
Total Demand.....	<b>909.5</b>	<b>855.5</b>	<b>1025.2</b>	<b>883.4</b>	<i>922.7</i>	<i>891.2</i>	<i>1030.1</i>	<i>896.2</i>	<i>926.7</i>	<i>897.0</i>	<i>1046.2</i>	<i>912.2</i>	<b>3673.6</b>	<i>3740.2</i>	<i>3782.2</i>

<sup>a</sup>Electric utilities and independent power producers.

<sup>b</sup>“Other” includes generation from other gaseous fuels, geothermal, wind, wood, waste, and solar sources.

<sup>c</sup>Electricity generation from combined heat and power (CHP) facilities and electricity-only plants in the industrial and commercial sectors.

<sup>d</sup>Balancing item, mainly transmission and distribution losses.

<sup>e</sup>Total of retail electricity sales by electric utilities and power marketers.

<sup>f</sup>Commercial sector, including public street and highway lighting, interdepartmental sales and other sales to public authorities. These items, along with transportation sector electricity were formerly included in an “Other” category, which is no longer provided. (See EIA’s Monthly Energy Review, Table 7.5, for a comparison of “Old Basis” and “New Basis” electricity retail sales.) Through 2003, data are estimated as the sum of “Old Basis Commercial” and approximately 95 percent of “Old Basis Other”; beginning in 2004, data are actual survey data.

<sup>g</sup>Transportation sector, including sales to railroads and railways. Through 2003, data are estimated as approximately 5 percent of “Old Basis Other”; beginning in 2004, data are actual survey data.

<sup>h</sup>Defined as the sum of facility use of onsite net electricity generation plus direct sales of power by industrial- or commercial-sector generators to third parties, reported annually in Table 7.5 of the *Monthly Energy Review (MER)*. Data for 2003 are estimates.

Notes: Minor discrepancies with other EIA published historical data are due to rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Electric Power Annual*, DOE/EIA-0226 and *Electric Power Monthly*, DOE/EIA-0226. Projections: EIA, Short-Term Integrated Forecasting System database, and Office of Coal, Nuclear, Electric and Alternate Fuels (hydroelectric and nuclear).

**Table 10b. U.S. Electricity Generation by Sector: Base Case**  
(Billion Kilowatthours)

	2003				2004				2005				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2003	2004	2005
<b>Electricity Generation by Sector</b>															
Electric Power <sup>a</sup>															
Coal.....	<b>485.6</b>	<b>446.7</b>	<b>526.3</b>	<b>489.4</b>	<i>487.5</i>	<i>451.8</i>	<i>518.9</i>	<i>484.6</i>	<i>494.9</i>	<i>461.2</i>	<i>527.8</i>	<i>492.8</i>	<b>1948.0</b>	<i>1942.7</i>	<i>1976.7</i>
Petroleum.....	<b>31.5</b>	<b>25.8</b>	<b>31.9</b>	<b>23.4</b>	<i>39.4</i>	<i>26.2</i>	<i>30.6</i>	<i>26.2</i>	<i>31.5</i>	<i>24.8</i>	<i>34.2</i>	<i>28.3</i>	<b>112.5</b>	<i>122.4</i>	<i>118.8</i>
Natural Gas.....	<b>116.9</b>	<b>124.6</b>	<b>190.5</b>	<b>118.7</b>	<i>117.8</i>	<i>146.2</i>	<i>192.5</i>	<i>122.3</i>	<i>116.9</i>	<i>138.4</i>	<i>193.1</i>	<i>125.8</i>	<b>550.6</b>	<i>578.8</i>	<i>574.2</i>
Other <sup>b</sup> .....	<b>263.1</b>	<b>276.9</b>	<b>278.0</b>	<b>261.4</b>	<i>275.4</i>	<i>285.1</i>	<i>286.9</i>	<i>270.2</i>	<i>281.0</i>	<i>291.8</i>	<i>290.4</i>	<i>273.2</i>	<b>1079.5</b>	<i>1117.5</i>	<i>1136.4</i>
Subtotal.....	<b>897.1</b>	<b>874.0</b>	<b>1026.7</b>	<b>892.9</b>	<i>920.1</i>	<i>909.2</i>	<i>1028.9</i>	<i>903.3</i>	<i>924.3</i>	<i>916.3</i>	<i>1045.5</i>	<i>920.1</i>	<b>3690.7</b>	<i>3761.5</i>	<i>3806.2</i>
Commercial															
Coal.....	<b>0.3</b>	<b>0.2</b>	<b>0.3</b>	<b>0.3</b>	<i>0.3</i>	<i>0.2</i>	<i>0.4</i>	<i>0.3</i>	<i>0.3</i>	<i>0.2</i>	<i>0.4</i>	<i>0.3</i>	<b>1.0</b>	<i>1.2</i>	<i>1.2</i>
Petroleum.....	<b>0.2</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<i>0.3</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.2</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<b>0.5</b>	<i>0.6</i>	<i>0.6</i>
Natural Gas.....	<b>1.0</b>	<b>1.2</b>	<b>1.1</b>	<b>0.9</b>	<i>0.9</i>	<i>1.4</i>	<i>1.4</i>	<i>1.1</i>	<i>1.1</i>	<i>1.3</i>	<i>1.4</i>	<i>1.1</i>	<b>4.3</b>	<i>4.9</i>	<i>5.0</i>
Other <sup>b</sup> .....	<b>0.4</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>	<i>0.5</i>	<i>0.6</i>	<i>0.7</i>	<i>0.6</i>	<i>0.5</i>	<i>0.6</i>	<i>0.6</i>	<i>0.6</i>	<b>2.0</b>	<i>2.4</i>	<i>2.4</i>
Subtotal.....	<b>1.9</b>	<b>2.1</b>	<b>2.0</b>	<b>1.7</b>	<i>1.9</i>	<i>2.3</i>	<i>2.6</i>	<i>2.2</i>	<i>2.2</i>	<i>2.3</i>	<i>2.5</i>	<i>2.2</i>	<b>7.8</b>	<i>9.0</i>	<i>9.2</i>
Industrial															
Coal.....	<b>5.5</b>	<b>5.0</b>	<b>5.4</b>	<b>5.3</b>	<i>5.4</i>	<i>5.3</i>	<i>5.7</i>	<i>5.0</i>	<i>5.4</i>	<i>5.3</i>	<i>5.8</i>	<i>5.1</i>	<b>21.2</b>	<i>21.3</i>	<i>21.6</i>
Petroleum.....	<b>1.5</b>	<b>1.2</b>	<b>1.2</b>	<b>1.3</b>	<i>1.8</i>	<i>1.3</i>	<i>1.2</i>	<i>1.4</i>	<i>1.4</i>	<i>1.2</i>	<i>1.4</i>	<i>1.5</i>	<b>5.2</b>	<i>5.7</i>	<i>5.5</i>
Natural Gas.....	<b>19.9</b>	<b>17.3</b>	<b>18.7</b>	<b>18.4</b>	<i>18.3</i>	<i>18.4</i>	<i>18.7</i>	<i>17.1</i>	<i>18.5</i>	<i>18.4</i>	<i>19.1</i>	<i>17.8</i>	<b>74.3</b>	<i>72.5</i>	<i>73.7</i>
Other <sup>b</sup> .....	<b>11.3</b>	<b>11.7</b>	<b>11.5</b>	<b>14.3</b>	<i>12.2</i>	<i>12.8</i>	<i>13.8</i>	<i>14.1</i>	<i>12.0</i>	<i>12.9</i>	<i>13.9</i>	<i>14.4</i>	<b>48.8</b>	<i>53.0</i>	<i>53.1</i>
Subtotal.....	<b>38.3</b>	<b>35.2</b>	<b>36.8</b>	<b>39.2</b>	<i>37.8</i>	<i>37.8</i>	<i>39.3</i>	<i>37.6</i>	<i>37.3</i>	<i>37.7</i>	<i>40.1</i>	<i>38.7</i>	<b>149.5</b>	<i>152.5</i>	<i>153.8</i>
Total.....	<b>937.3</b>	<b>911.3</b>	<b>1065.5</b>	<b>933.8</b>	<i>959.8</i>	<i>949.3</i>	<i>1070.8</i>	<i>943.1</i>	<i>963.8</i>	<i>956.3</i>	<i>1088.2</i>	<i>961.0</i>	<b>3848.0</b>	<i>3923.0</i>	<i>3969.2</i>

<sup>a</sup>Electric utilities and independent power producers.

<sup>b</sup>"Other" includes nuclear, hydroelectric, geothermal, wood, waste, wind and solar power sources.

Note: Commercial and industrial categories include electricity output from combined heat and power (CHP) facilities and some electric-only plants.

Notes: Minor discrepancies with other EIA published historical data are due to rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following report: *Electric Power Monthly*, DOE/EIA-0226. Projections: EIA, Short-Term Integrated Forecasting System database, and Office of Coal, Nuclear, Electric and Alternate Fuels (hydroelectric and nuclear).

**Table 10c. U.S. Fuel Consumption for Electricity Generation by Sector: Base Case**

	2003				2004				2005				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2003	2004	2005
<b>Fuel Consumption for Electricity Generation by Sector</b>															
(Quadrillion Btu)															
<b>Electric Power<sup>a</sup></b>															
Coal .....	<b>5.103</b>	<b>4.748</b>	<b>5.578</b>	<b>5.183</b>	<i>5.159</i>	<i>4.797</i>	<i>5.508</i>	<i>5.147</i>	<i>5.265</i>	<i>4.912</i>	<i>5.625</i>	<i>5.258</i>	<b>20.6</b>	<i>20.6</i>	<i>21.1</i>
Petroleum .....	<b>0.340</b>	<b>0.277</b>	<b>0.340</b>	<b>0.252</b>	<i>0.423</i>	<i>0.280</i>	<i>0.328</i>	<i>0.281</i>	<i>0.338</i>	<i>0.266</i>	<i>0.367</i>	<i>0.304</i>	<b>1.2</b>	<i>1.3</i>	<i>1.3</i>
Natural Gas.....	<b>1.003</b>	<b>1.092</b>	<b>1.671</b>	<b>1.016</b>	<i>0.983</i>	<i>1.272</i>	<i>1.693</i>	<i>1.019</i>	<i>0.961</i>	<i>1.195</i>	<i>1.676</i>	<i>1.032</i>	<b>4.8</b>	<i>5.0</i>	<i>4.9</i>
Other <sup>b</sup> .....	<b>2.813</b>	<b>3.015</b>	<b>3.100</b>	<b>2.840</b>	<i>2.940</i>	<i>3.033</i>	<i>3.060</i>	<i>2.886</i>	<i>2.997</i>	<i>3.103</i>	<i>3.096</i>	<i>2.918</i>	<b>11.8</b>	<i>11.9</i>	<i>12.1</i>
Subtotal .....	<b>9.259</b>	<b>9.132</b>	<b>10.687</b>	<b>9.291</b>	<i>9.505</i>	<i>9.382</i>	<i>10.588</i>	<i>9.334</i>	<i>9.561</i>	<i>9.476</i>	<i>10.764</i>	<i>9.511</i>	<b>38.4</b>	<i>38.8</i>	<i>39.3</i>
<b>Commercial</b>															
Coal .....	<b>0.003</b>	<b>0.003</b>	<b>0.004</b>	<b>0.003</b>	<i>0.003</i>	<i>0.003</i>	<i>0.004</i>	<i>0.004</i>	<i>0.004</i>	<i>0.003</i>	<i>0.004</i>	<i>0.004</i>	<b>0.013</b>	<i>0.014</i>	<i>0.015</i>
Petroleum .....	<b>0.003</b>	<b>0.001</b>	<b>0.002</b>	<b>0.001</b>	<i>0.003</i>	<i>0.001</i>	<i>0.002</i>	<i>0.002</i>	<i>0.003</i>	<i>0.001</i>	<i>0.002</i>	<i>0.002</i>	<b>0.007</b>	<i>0.008</i>	<i>0.008</i>
Natural Gas.....	<b>0.009</b>	<b>0.010</b>	<b>0.010</b>	<b>0.008</b>	<i>0.008</i>	<i>0.012</i>	<i>0.013</i>	<i>0.010</i>	<i>0.010</i>	<i>0.012</i>	<i>0.012</i>	<i>0.010</i>	<b>0.036</b>	<i>0.042</i>	<i>0.043</i>
Other <sup>b</sup> .....	<b>0.006</b>	<b>0.010</b>	<b>0.010</b>	<b>0.008</b>	<i>0.008</i>	<i>0.010</i>	<i>0.011</i>	<i>0.010</i>	<i>0.009</i>	<i>0.010</i>	<i>0.010</i>	<i>0.010</i>	<b>0.034</b>	<i>0.038</i>	<i>0.039</i>
Subtotal .....	<b>0.020</b>	<b>0.024</b>	<b>0.025</b>	<b>0.021</b>	<i>0.022</i>	<i>0.025</i>	<i>0.030</i>	<i>0.026</i>	<i>0.025</i>	<i>0.025</i>	<i>0.029</i>	<i>0.025</i>	<b>0.090</b>	<i>0.103</i>	<i>0.105</i>
<b>Industrial</b>															
Coal .....	<b>0.070</b>	<b>0.065</b>	<b>0.068</b>	<b>0.067</b>	<i>0.069</i>	<i>0.067</i>	<i>0.072</i>	<i>0.063</i>	<i>0.069</i>	<i>0.068</i>	<i>0.074</i>	<i>0.065</i>	<b>0.271</b>	<i>0.271</i>	<i>0.275</i>
Petroleum .....	<b>0.018</b>	<b>0.017</b>	<b>0.015</b>	<b>0.017</b>	<i>0.022</i>	<i>0.017</i>	<i>0.016</i>	<i>0.018</i>	<i>0.018</i>	<i>0.016</i>	<i>0.017</i>	<i>0.020</i>	<b>0.068</b>	<i>0.073</i>	<i>0.071</i>
Natural Gas.....	<b>0.176</b>	<b>0.157</b>	<b>0.168</b>	<b>0.173</b>	<i>0.164</i>	<i>0.168</i>	<i>0.171</i>	<i>0.157</i>	<i>0.168</i>	<i>0.167</i>	<i>0.174</i>	<i>0.162</i>	<b>0.673</b>	<i>0.659</i>	<i>0.672</i>
Other <sup>b</sup> .....	<b>0.139</b>	<b>0.156</b>	<b>0.173</b>	<b>0.160</b>	<i>0.161</i>	<i>0.164</i>	<i>0.171</i>	<i>0.177</i>	<i>0.154</i>	<i>0.164</i>	<i>0.173</i>	<i>0.180</i>	<b>0.628</b>	<i>0.673</i>	<i>0.670</i>
Subtotal .....	<b>0.404</b>	<b>0.395</b>	<b>0.425</b>	<b>0.417</b>	<i>0.416</i>	<i>0.416</i>	<i>0.429</i>	<i>0.415</i>	<i>0.409</i>	<i>0.415</i>	<i>0.438</i>	<i>0.427</i>	<b>1.641</b>	<i>1.676</i>	<i>1.688</i>
Total .....	<b>9.684</b>	<b>9.551</b>	<b>11.137</b>	<b>9.728</b>	<i>9.943</i>	<i>9.823</i>	<i>11.047</i>	<i>9.775</i>	<i>9.995</i>	<i>9.916</i>	<i>11.230</i>	<i>9.963</i>	<b>40.100</b>	<i>40.588</i>	<i>41.105</i>
(Physical Units)															
<b>Electric Power<sup>a</sup></b>															
Coal (million short tons) .....	<b>248.1</b>	<b>230.8</b>	<b>271.2</b>	<b>252.0</b>	<i>250.9</i>	<i>233.2</i>	<i>267.8</i>	<i>250.3</i>	<i>256.0</i>	<i>238.8</i>	<i>273.5</i>	<i>255.7</i>	<b>1002.2</b>	<i>1002.2</i>	<i>1024.0</i>
Petroleum (million barrels per day) .....	<b>0.614</b>	<b>0.494</b>	<b>0.596</b>	<b>0.443</b>	<i>0.754</i>	<i>0.500</i>	<i>0.576</i>	<i>0.496</i>	<i>0.608</i>	<i>0.474</i>	<i>0.645</i>	<i>0.535</i>	<b>0.537</b>	<i>0.581</i>	<i>0.566</i>
Natural Gas (trillion cubic feet).....	<b>0.983</b>	<b>1.071</b>	<b>1.638</b>	<b>0.996</b>	<i>0.964</i>	<i>1.247</i>	<i>1.660</i>	<i>0.999</i>	<i>0.942</i>	<i>1.172</i>	<i>1.643</i>	<i>1.012</i>	<b>4.688</b>	<i>4.869</i>	<i>4.769</i>
<b>Commercial</b>															
Coal (million short tons) .....	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<i>0.1</i>	<i>0.1</i>	<i>0.2</i>	<i>0.2</i>	<i>0.2</i>	<i>0.1</i>	<i>0.2</i>	<i>0.1</i>	<b>0.5</b>	<i>0.6</i>	<i>0.6</i>
Petroleum (million barrels per day) .....	<b>0.006</b>	<b>0.002</b>	<b>0.003</b>	<b>0.003</b>	<i>0.006</i>	<i>0.002</i>	<i>0.003</i>	<i>0.003</i>	<i>0.006</i>	<i>0.002</i>	<i>0.004</i>	<i>0.003</i>	<b>0.003</b>	<i>0.004</i>	<i>0.004</i>
Natural Gas (trillion cubic feet).....	<b>0.008</b>	<b>0.010</b>	<b>0.009</b>	<b>0.008</b>	<i>0.008</i>	<i>0.011</i>	<i>0.012</i>	<i>0.010</i>	<i>0.010</i>	<i>0.011</i>	<i>0.012</i>	<i>0.009</i>	<b>0.035</b>	<i>0.041</i>	<i>0.042</i>
<b>Industrial</b>															
Coal (million short tons) .....	<b>3.0</b>	<b>2.8</b>	<b>2.9</b>	<b>2.9</b>	<i>2.9</i>	<i>2.9</i>	<i>3.1</i>	<i>2.7</i>	<i>2.9</i>	<i>2.9</i>	<i>3.2</i>	<i>2.8</i>	<b>11.6</b>	<i>11.6</i>	<i>11.8</i>
Petroleum (million barrels per day) .....	<b>0.034</b>	<b>0.032</b>	<b>0.028</b>	<b>0.031</b>	<i>0.041</i>	<i>0.032</i>	<i>0.029</i>	<i>0.032</i>	<i>0.034</i>	<i>0.029</i>	<i>0.032</i>	<i>0.035</i>	<b>0.031</b>	<i>0.033</i>	<i>0.033</i>
Natural Gas (trillion cubic feet).....	<b>0.172</b>	<b>0.153</b>	<b>0.163</b>	<b>0.168</b>	<i>0.160</i>	<i>0.163</i>	<i>0.166</i>	<i>0.153</i>	<i>0.164</i>	<i>0.163</i>	<i>0.170</i>	<i>0.158</i>	<b>0.656</b>	<i>0.642</i>	<i>0.655</i>

<sup>a</sup>Electric utilities and independent power producers.

<sup>b</sup>"Other" includes other gaseous fuels, nuclear, hydroelectric, geothermal, wood, waste, wind and solar power sources.

Note: Commercial and industrial categories include electricity output from combined heat and power (CHP) facilities and some electric-only plants.

Notes: Minor discrepancies with other EIA published historical data are due to rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following report: *Electric Power Monthly*, DOE/EIA-0226. Projections: EIA, Short-Term Integrated Forecasting System database, and Office of Coal, Nuclear, Electric and Alternate Fuels (hydroelectric and nuclear).

**Table 11. U.S. Renewable Energy Use by Sector: Base Case**  
(Quadrillion Btu)

	Year				Annual Percentage Change		
	2002	2003	2004	2005	2002-2003	2003-2004	2004-2005
<b>Electricity Sector</b>							
Hydroelectric Power .....	<b>2.633</b>	<i>2.721</i>	<i>2.835</i>	<i>2.997</i>	3.3	4.2	5.7
Geothermal, Solar and Wind Energy .....	<b>0.415</b>	<i>0.390</i>	<i>0.431</i>	<i>0.450</i>	-6.0	10.5	4.4
Biofuels .....	<b>0.516</b>	<i>0.507</i>	<i>0.536</i>	<i>0.548</i>	-1.7	5.7	2.2
Total .....	<b>3.563</b>	<i>3.619</i>	<i>3.802</i>	<i>3.995</i>	1.6	5.1	5.1
<b>Other Sectors</b>							
Residential and Commercial .....	<b>0.539</b>	<i>0.532</i>	<i>0.580</i>	<i>0.600</i>	-1.3	9.0	3.4
Residential .....	<b>0.418</b>	<i>0.436</i>	<i>0.455</i>	<i>0.474</i>	4.3	4.4	4.2
Commercial .....	<b>0.121</b>	<i>0.097</i>	<i>0.126</i>	<i>0.126</i>	-19.8	29.9	0.0
Industrial .....	<b>1.792</b>	<i>1.800</i>	<i>1.881</i>	<i>1.873</i>	0.4	4.5	-0.4
Transportation .....	<b>0.175</b>	<i>0.239</i>	<i>0.265</i>	<i>0.275</i>	36.6	10.9	3.8
Total .....	<b>2.506</b>	<i>2.571</i>	<i>2.726</i>	<i>2.748</i>	2.6	6.0	0.8
Total Renewable Energy Demand .....	<b>6.069</b>	<i>6.190</i>	<i>6.527</i>	<i>6.743</i>	2.0	5.4	3.3

<sup>a</sup>Conventional hydroelectric power only. Hydroelectricity generated by pumped storage is not included in renewable energy.

<sup>b</sup>Also includes photovoltaic and solar thermal energy. Sharp declines since 1998 in the electric utility sector and corresponding increases in the nonutility sector for this category mostly reflect sale of geothermal facilities to the nonutility sector.

<sup>c</sup>Biofuels are fuelwood, wood byproducts, waste wood, municipal solid waste, manufacturing process waste, and alcohol fuels.

<sup>d</sup>Renewable energy includes minor components of non-marketed renewable energy, which is renewable energy that is neither bought nor sold, either directly or indirectly as inputs to marketed energy. EIA does not estimate or project total consumption of non-marketed renewable energy.

<sup>e</sup>Includes biofuels and solar energy consumed in the residential and commercial sectors.

<sup>f</sup>Consists primarily of biofuels for use other than in electricity cogeneration.

<sup>g</sup>Ethanol blended into gasoline.

Notes: Minor discrepancies with other published EIA historical data are due to independent rounding. Historical data are printed in bold; estimates and forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226 and *Renewable Energy Annual*, DOE/EIA-0603. Projections: EIA, Short-Term Integrated Forecasting System database, and Office of Coal, Nuclear, Electric and Alternate Fuels.

**Table A1. Annual U.S. Energy Supply and Demand: Base Case**

	Year														
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
<b>Real Gross Domestic Product (GDP)</b> (billion chained 2000 dollars) .....	<b>7101</b>	<b>7337</b>	<b>7533</b>	<b>7835</b>	<b>8032</b>	<b>8329</b>	<b>8704</b>	<b>9067</b>	<b>9470</b>	<b>9817</b>	<b>9867</b>	<b>10083</b>	<b>10398</b>	<i>10881</i>	<i>11226</i>
Imported Crude Oil Price <sup>a</sup> (nominal dollars per barrel) .....	<b>18.74</b>	<b>18.20</b>	<b>16.13</b>	<b>15.53</b>	<b>17.14</b>	<b>20.62</b>	<b>18.49</b>	<b>12.07</b>	<b>17.26</b>	<b>27.72</b>	<b>22.00</b>	<b>23.71</b>	<b>27.74</b>	<i>32.30</i>	<i>29.84</i>
<b>Petroleum Supply</b>															
Crude Oil Production <sup>b</sup> (million barrels per day) .....	<b>7.42</b>	<b>7.17</b>	<b>6.85</b>	<b>6.66</b>	<b>6.56</b>	<b>6.46</b>	<b>6.45</b>	<b>6.25</b>	<b>5.88</b>	<b>5.82</b>	<b>5.80</b>	<b>5.75</b>	<b>5.74</b>	<i>5.58</i>	<i>5.63</i>
Total Petroleum Net Imports (including SPR) (million barrels per day) .....	<b>6.63</b>	<b>6.94</b>	<b>7.62</b>	<b>8.05</b>	<b>7.89</b>	<b>8.50</b>	<b>9.16</b>	<b>9.76</b>	<b>9.91</b>	<b>10.42</b>	<b>10.90</b>	<b>10.54</b>	<b>11.32</b>	<i>11.66</i>	<i>11.93</i>
<b>Energy Demand</b>															
U.S. Petroleum (million barrels per day) .....	<b>16.77</b>	<b>17.10</b>	<b>17.24</b>	<b>17.72</b>	<b>17.72</b>	<b>18.31</b>	<b>18.62</b>	<b>18.92</b>	<b>19.52</b>	<b>19.70</b>	<b>19.65</b>	<b>19.76</b>	<b>20.07</b>	<i>20.40</i>	<i>20.82</i>
Natural Gas (trillion cubic feet) .....	<b>19.56</b>	<b>20.23</b>	<b>20.79</b>	<b>21.24</b>	<b>22.20</b>	<b>22.60</b>	<b>22.72</b>	<b>22.24</b>	<b>22.39</b>	<b>23.47</b>	<b>22.23</b>	<b>23.00</b>	<b>21.92</b>	<i>22.22</i>	<i>22.27</i>
Coal (million short tons).....	<b>899</b>	<b>908</b>	<b>944</b>	<b>951</b>	<b>962</b>	<b>1006</b>	<b>1030</b>	<b>1037</b>	<b>1039</b>	<b>1084</b>	<b>1060</b>	<b>1066</b>	<b>1094</b>	<i>1095</i>	<i>1117</i>
Electricity (billion kilowatthours)															
Retail Sales <sup>c</sup> .....	<b>2762</b>	<b>2763</b>	<b>2861</b>	<b>2935</b>	<b>3013</b>	<b>3101</b>	<b>3146</b>	<b>3264</b>	<b>3312</b>	<b>3421</b>	<b>3370</b>	<b>3463</b>	<b>3500</b>	<i>3562</i>	<i>3602</i>
Other Use/Sales <sup>d</sup> .....	<b>118</b>	<b>122</b>	<b>128</b>	<b>134</b>	<b>144</b>	<b>146</b>	<b>148</b>	<b>161</b>	<b>183</b>	<b>181</b>	<b>173</b>	<b>177</b>	<b>174</b>	<i>178</i>	<i>180</i>
Total .....	<b>2880</b>	<b>2886</b>	<b>2989</b>	<b>3069</b>	<b>3157</b>	<b>3247</b>	<b>3294</b>	<b>3425</b>	<b>3495</b>	<b>3603</b>	<b>3543</b>	<b>3639</b>	<b>3674</b>	<i>3740</i>	<i>3782</i>
Total Energy Demand <sup>e</sup> (quadrillion Btu) .....	<b>84.5</b>	<b>85.9</b>	<b>87.6</b>	<b>89.2</b>	<b>91.2</b>	<b>94.2</b>	<b>94.7</b>	<b>95.1</b>	<b>96.8</b>	<b>98.9</b>	<b>96.3</b>	<b>97.4</b>	<b>97.4</b>	<i>98.9</i>	<i>100.5</i>
Total Energy Demand per Dollar of GDP (thousand Btu per 1996 Dollar).....	<b>11.90</b>	<b>11.70</b>	<b>11.63</b>	<b>11.39</b>	<b>11.36</b>	<b>11.31</b>	<b>10.88</b>	<b>10.51</b>	<b>10.22</b>	<b>10.08</b>	<b>9.76</b>	<b>9.65</b>	<b>9.36</b>	<i>9.09</i>	<i>8.95</i>

<sup>a</sup>Refers to the imported cost of crude oil to U.S. refiners.

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

<sup>c</sup>Total of retail electricity sales by electric utilities and power marketers. Utility sales for historical periods are reported in Energy Information Administration (EIA) *Electric Power Monthly and Electric Power Annual*. Power marketers' sales for historical periods are reported in EIA's *Electric Sales and Revenue*, Appendix C.

<sup>d</sup>Defined as the sum of facility use of onsite net electricity generation plus direct sales of power by industrial- or commercial-sector generators to third parties, reported annually in Table 7.5 of the *Monthly Energy Review (MER)*. Data for 2003 are estimates.

<sup>e</sup>"Total Energy Demand" refers to the aggregate energy concept presented in EIA's *Annual Energy Review*, DOE/EIA-0384 (*AER*), Table 1.1. The conversion from physical units to Btu is calculated using a subset of conversion factors used in the calculations performed for gross energy consumption in EIA, *Monthly Energy Review (MER)*. Consequently, the historical data may not precisely match those published in the *MER* or the *AER*.

Notes: SPR: Strategic Petroleum Reserve. Minor discrepancies with other published EIA historical data are due to independent rounding. Historical data are printed in bold; forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: Latest data available from Bureau of Economic Analysis; EIA; latest data available from EIA databases supporting the following reports: *Petroleum Supply Monthly*, DOE/EIA-0109; *Petroleum Supply Annual*, DOE/EIA-0340/2; *Natural Gas Monthly*, DOE/EIA-0130; *Electric Power Monthly*, DOE/EIA-0226; *Quarterly Coal Report*, DOE/EIA-0121; *International Petroleum Monthly*, DOE/EIA-520, and *Weekly Petroleum Status Report* DOE/EIA-0208. Macroeconomic projections are based on Global Insight Forecast CONTROL0504.

**Table A2. Annual U.S. Macroeconomic and Weather Indicators: Base Case**

	Year														
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
<b>Macroeconomic</b>															
Real Gross Domestic Product (billion chained 2000 dollars).....	<b>7101</b>	<b>7337</b>	<b>7533</b>	<b>7835</b>	<b>8032</b>	<b>8329</b>	<b>8704</b>	<b>9067</b>	<b>9470</b>	<b>9817</b>	<b>9867</b>	<b>10083</b>	<b>10398</b>	<i>10881</i>	<i>11226</i>
GDP Implicit Price Deflator (Index, 2000=100).....	<b>84.5</b>	<b>86.4</b>	<b>88.4</b>	<b>90.3</b>	<b>92.1</b>	<b>93.9</b>	<b>95.4</b>	<b>96.5</b>	<b>97.9</b>	<b>100.0</b>	<b>102.4</b>	<b>103.9</b>	<b>105.7</b>	<i>108.0</i>	<i>110.2</i>
Real Disposable Personal Income (billion chained 2000 Dollars).....	<b>5352</b>	<b>5536</b>	<b>5594</b>	<b>5746</b>	<b>5906</b>	<b>6081</b>	<b>6296</b>	<b>6664</b>	<b>6862</b>	<b>7194</b>	<b>7320</b>	<b>7597</b>	<b>7798</b>	<i>8012</i>	<i>8204</i>
Manufacturing Production (Index, 1997=100).....	<b>72.4</b>	<b>75.3</b>	<b>78.1</b>	<b>83.1</b>	<b>87.8</b>	<b>92.1</b>	<b>100.0</b>	<b>106.8</b>	<b>112.3</b>	<b>117.7</b>	<b>113.1</b>	<b>112.5</b>	<b>112.6</b>	<i>118.2</i>	<i>124.2</i>
Real Fixed Investment (billion chained 2000 dollars).....	<b>829</b>	<b>878</b>	<b>953</b>	<b>1042</b>	<b>1110</b>	<b>1209</b>	<b>1321</b>	<b>1455</b>	<b>1576</b>	<b>1679</b>	<b>1626</b>	<b>1566</b>	<b>1635</b>	<i>1773</i>	<i>1826</i>
Real Exchange Rate (Index, 2000=1.000).....	<b>1.026</b>	<b>1.025</b>	<b>1.028</b>	<b>1.026</b>	<b>0.975</b>	<b>0.931</b>	<b>0.928</b>	<b>1.043</b>	<b>1.030</b>	<b>1.000</b>	<b>1.024</b>	<b>1.043</b>	<b>1.019</b>	<i>0.983</i>	<i>0.974</i>
Business Inventory Change (billion chained 2000 dollars).....	<b>-6.4</b>	<b>-4.5</b>	<b>3.4</b>	<b>11.5</b>	<b>13.4</b>	<b>9.7</b>	<b>20.7</b>	<b>18.6</b>	<b>17.0</b>	<b>7.9</b>	<b>-23.4</b>	<b>-7.5</b>	<b>-13.2</b>	<i>5.7</i>	<i>15.2</i>
Producer Price Index (index, 1982=1.000).....	<b>1.165</b>	<b>1.172</b>	<b>1.189</b>	<b>1.205</b>	<b>1.248</b>	<b>1.277</b>	<b>1.276</b>	<b>1.244</b>	<b>1.255</b>	<b>1.328</b>	<b>1.342</b>	<b>1.311</b>	<b>1.381</b>	<i>1.460</i>	<i>1.483</i>
Consumer Price Index (index, 1982-1984=1.000).....	<b>1.362</b>	<b>1.403</b>	<b>1.445</b>	<b>1.482</b>	<b>1.524</b>	<b>1.569</b>	<b>1.605</b>	<b>1.630</b>	<b>1.666</b>	<b>1.722</b>	<b>1.770</b>	<b>1.799</b>	<b>1.840</b>	<i>1.892</i>	<i>1.932</i>
Petroleum Product Price Index (index, 1982=1.000).....	<b>0.671</b>	<b>0.647</b>	<b>0.620</b>	<b>0.591</b>	<b>0.608</b>	<b>0.701</b>	<b>0.680</b>	<b>0.513</b>	<b>0.609</b>	<b>0.913</b>	<b>0.853</b>	<b>0.795</b>	<b>0.977</b>	<i>1.106</i>	<i>1.060</i>
Non-Farm Employment (millions).....	<b>108.4</b>	<b>108.7</b>	<b>110.8</b>	<b>114.3</b>	<b>117.3</b>	<b>119.7</b>	<b>122.8</b>	<b>125.9</b>	<b>129.0</b>	<b>131.8</b>	<b>131.8</b>	<b>130.3</b>	<b>129.9</b>	<i>131.1</i>	<i>133.3</i>
Commercial Employment (millions).....	<b>70.5</b>	<b>70.9</b>	<b>72.9</b>	<b>75.7</b>	<b>78.4</b>	<b>80.7</b>	<b>83.4</b>	<b>86.1</b>	<b>89.1</b>	<b>91.4</b>	<b>92.0</b>	<b>91.4</b>	<b>91.7</b>	<i>93.0</i>	<i>94.7</i>
Total Industrial Production (index, 1997=100.0).....	<b>76.1</b>	<b>78.2</b>	<b>80.8</b>	<b>85.2</b>	<b>89.3</b>	<b>93.1</b>	<b>100.0</b>	<b>105.9</b>	<b>110.6</b>	<b>115.4</b>	<b>111.5</b>	<b>110.9</b>	<b>111.2</b>	<i>116.1</i>	<i>120.7</i>
Housing Stock (millions).....	<b>101.8</b>	<b>102.6</b>	<b>103.8</b>	<b>105.1</b>	<b>106.7</b>	<b>108.0</b>	<b>109.4</b>	<b>111.1</b>	<b>112.7</b>	<b>113.3</b>	<b>114.7</b>	<b>115.7</b>	<b>117.1</b>	<i>118.5</i>	<i>119.9</i>
<b>Weather <sup>a</sup></b>															
Heating Degree-Days															
U.S.....	<b>4200</b>	<b>4431</b>	<b>4672</b>	<b>4472</b>	<b>4516</b>	<b>4690</b>	<b>4523</b>	<b>3946</b>	<b>4153</b>	<b>4447</b>	<b>4191</b>	<b>4280</b>	<b>4450</b>	<i>4398</i>	<i>4523</i>
New England.....	<b>6042</b>	<b>6018</b>	<b>5904</b>	<b>6748</b>	<b>6631</b>	<b>6750</b>	<b>6725</b>	<b>5742</b>	<b>6014</b>	<b>6585</b>	<b>6110</b>	<b>6099</b>	<b>6846</b>	<i>6701</i>	<i>6621</i>
Middle Atlantic.....	<b>5317</b>	<b>6108</b>	<b>6040</b>	<b>6083</b>	<b>5966</b>	<b>6118</b>	<b>5940</b>	<b>4923</b>	<b>5493</b>	<b>5944</b>	<b>5424</b>	<b>5372</b>	<b>6091</b>	<i>6145</i>	<i>5881</i>
U.S. Gas-Weighted.....	<b>4337</b>	<b>4458</b>	<b>4754</b>	<b>4659</b>	<b>4707</b>	<b>4980</b>	<b>4802</b>	<b>4183</b>	<b>4399</b>	<b>4680</b>	<b>4451</b>	<b>4560</b>	<b>4764</b>	<i>4811</i>	<i>4840</i>
Cooling Degree-Days (U.S.).....	<b>1331</b>	<b>1051</b>	<b>1222</b>	<b>1228</b>	<b>1293</b>	<b>1186</b>	<b>1167</b>	<b>1414</b>	<b>1301</b>	<b>1240</b>	<b>1256</b>	<b>1396</b>	<b>1293</b>	<i>1297</i>	<i>1237</i>

<sup>a</sup>Population-weighted degree-days. A degree-day indicates the temperature variation from 65 degrees Fahrenheit (calculated as the simple average of the daily minimum and maximum temperatures) weighted by 2000 population.

Notes: Minor discrepancies with other published EIA historical data are due to independent rounding. Historical data are printed in bold; forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: latest data available from: U.S. Department of Commerce, Bureau of Economic Analysis; U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA); Federal Reserve System, Statistical Release G.17; U.S. Department of Transportation; American Iron and Steel Institute. Macroeconomic projections are based on Global Insight Forecast CONTROL0504. Degree-day projections are from NOAA's Climate Prediction Center.

**Table A3. U.S. Energy Supply and Demand: Base Case**  
(Quadrillion Btu except where noted)

	Year														
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
<b>Production</b>															
Coal .....	21.59	21.63	20.25	22.11	22.03	22.68	23.21	23.94	23.19	22.62	23.05	22.56	22.05	22.57	23.19
Natural Gas.....	18.23	18.38	18.58	19.35	19.08	19.27	19.32	19.61	19.34	19.66	20.17	19.48	19.58	19.76	19.81
Crude Oil.....	15.70	15.22	14.49	14.10	13.89	13.72	13.66	13.24	12.45	12.36	12.28	12.16	12.15	11.85	11.93
Natural Gas Liquids .....	2.31	2.36	2.41	2.39	2.44	2.53	2.50	2.42	2.53	2.61	2.55	2.56	2.34	2.35	2.37
Nuclear .....	6.42	6.48	6.41	6.69	7.08	7.09	6.60	7.07	7.61	7.86	8.03	8.15	7.97	8.21	8.22
Hydroelectric.....	2.99	2.60	2.87	2.67	3.20	3.58	3.62	3.27	3.23	2.78	2.12	2.60	2.71	2.83	2.99
Other Renewables.....	3.14	3.29	3.27	3.38	3.46	3.55	3.43	3.26	3.33	3.35	3.12	3.38	3.39	3.61	3.66
Total.....	70.38	69.96	68.29	70.70	71.17	72.42	72.34	72.80	71.67	71.24	71.32	70.89	70.20	71.17	72.17
<b>Net Imports</b>															
Coal .....	-2.77	-2.59	-1.76	-1.66	-2.08	-2.17	-2.01	-1.87	-1.30	-1.21	-0.77	-0.61	-0.49	-0.52	-0.54
Natural Gas.....	1.67	1.94	2.25	2.52	2.74	2.85	2.90	3.06	3.50	3.62	3.69	3.59	3.32	3.24	3.24
Crude Oil.....	13.14	12.36	13.16	14.32	15.69	15.02	16.59	17.79	18.84	18.87	19.77	19.38	20.61	20.84	21.30
Petroleum Products .....	2.15	1.86	1.80	2.08	1.56	1.87	1.64	1.85	2.10	2.31	2.61	2.40	2.70	3.09	3.18
Electricity .....	0.07	0.09	0.09	0.15	0.13	0.14	0.12	0.09	0.10	0.12	0.08	0.08	0.02	0.03	0.02
Coal Coke.....	0.01	0.03	0.03	0.06	0.06	0.02	0.05	0.07	0.06	0.07	0.03	0.06	0.05	0.06	0.06
Total.....	14.27	13.70	15.58	17.47	18.11	17.73	19.29	20.99	23.29	23.77	25.40	24.89	26.21	26.74	27.27
<b>Adjustments <sup>a</sup></b> .....	-0.13	2.21	3.72	1.08	1.93	4.07	3.10	1.36	1.81	3.94	-0.40	1.57	0.97	1.04	1.03
<b>Demand</b>															
Coal .....	18.99	19.12	19.84	19.91	20.09	21.00	21.45	21.66	21.62	22.58	21.66	22.00	22.57	22.59	23.04
Natural Gas.....	19.72	20.15	20.83	21.35	21.84	22.78	23.20	23.33	22.93	23.01	24.04	24.88	23.72	24.03	24.07
Petroleum .....	32.85	33.53	33.84	34.67	34.55	35.76	36.27	36.93	37.96	38.40	38.33	38.30	39.02	39.68	40.49
Nuclear .....	6.42	6.48	6.41	6.69	7.08	7.09	6.60	7.07	7.61	7.86	8.03	8.15	7.97	8.21	8.22
Other.....	6.54	6.59	6.66	6.62	7.66	7.59	7.22	6.16	6.65	7.09	4.26	4.02	4.10	4.43	4.65
Total.....	84.52	85.87	87.58	89.25	91.22	94.22	94.73	95.15	96.77	98.94	96.32	97.35	97.37	98.95	100.47

<sup>a</sup>Balancing item. Includes stock changes, losses, gains, miscellaneous blending components, and unaccounted-for supply.

Sources: Historical data: *Annual Energy Review*, DOE/EIA-0384; projections generated by simulation of the Short-Term Integrated Forecasting System.



**Table A4. Annual Average U.S. Energy Prices: Base Case**  
(Nominal Dollars)

	Year														
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
<b>Crude Oil Prices</b> (dollars per barrel)															
Imported Average <sup>a</sup> .....	<b>18.74</b>	<b>18.20</b>	<b>16.13</b>	<b>15.53</b>	<b>17.14</b>	<b>20.62</b>	<b>18.49</b>	<b>12.07</b>	<b>17.26</b>	<b>27.72</b>	<b>22.00</b>	<b>23.71</b>	<b>27.74</b>	<i>32.30</i>	<i>29.84</i>
WTI <sup>b</sup> Spot Average .....	<b>21.60</b>	<b>20.54</b>	<b>18.49</b>	<b>17.16</b>	<b>18.41</b>	<b>22.11</b>	<b>20.61</b>	<b>14.45</b>	<b>19.25</b>	<b>30.29</b>	<b>25.95</b>	<b>26.12</b>	<b>31.12</b>	<i>36.20</i>	<i>33.51</i>
<b>Natural Gas</b> (dollars per thousand cubic feet)															
Average Wellhead .....	<b>1.64</b>	<b>1.74</b>	<b>2.04</b>	<b>1.85</b>	<b>1.55</b>	<b>2.17</b>	<b>2.32</b>	<b>1.96</b>	<b>2.19</b>	<b>3.70</b>	<b>4.01</b>	<b>2.95</b>	<b>4.98</b>	<i>5.74</i>	<i>5.75</i>
Composite Spot .....	<b>1.41</b>	<b>1.67</b>	<b>2.03</b>	<b>1.77</b>	<b>1.53</b>	<b>2.48</b>	<b>2.45</b>	<b>2.03</b>	<b>2.20</b>	<b>4.21</b>	<b>4.00</b>	<b>3.22</b>	<b>5.51</b>	<i>6.24</i>	<i>5.95</i>
<b>Petroleum Products</b>															
Gasoline Retail <sup>c</sup> (dollars per gallon)															
All Grades .....	<b>1.15</b>	<b>1.14</b>	<b>1.13</b>	<b>1.13</b>	<b>1.16</b>	<b>1.25</b>	<b>1.24</b>	<b>1.07</b>	<b>1.18</b>	<b>1.53</b>	<b>1.47</b>	<b>1.39</b>	<b>1.60</b>	<i>1.85</i>	<i>1.78</i>
Regular Unleaded .....	<b>1.10</b>	<b>1.09</b>	<b>1.07</b>	<b>1.08</b>	<b>1.11</b>	<b>1.20</b>	<b>1.20</b>	<b>1.03</b>	<b>1.14</b>	<b>1.49</b>	<b>1.43</b>	<b>1.34</b>	<b>1.56</b>	<i>1.81</i>	<i>1.73</i>
No. 2 Diesel Oil, Retail (dollars per gallon) .....	<b>1.13</b>	<b>1.11</b>	<b>1.11</b>	<b>1.11</b>	<b>1.11</b>	<b>1.24</b>	<b>1.19</b>	<b>1.04</b>	<b>1.12</b>	<b>1.49</b>	<b>1.40</b>	<b>1.32</b>	<b>1.51</b>	<i>1.65</i>	<i>1.58</i>
No. 2 Heating Oil, Wholesale (dollars per gallon) .....	<b>0.62</b>	<b>0.58</b>	<b>0.54</b>	<b>0.51</b>	<b>0.51</b>	<b>0.64</b>	<b>0.59</b>	<b>0.42</b>	<b>0.49</b>	<b>0.89</b>	<b>0.76</b>	<b>0.69</b>	<b>0.88</b>	<i>0.97</i>	<i>0.92</i>
No. 2 Heating Oil, Retail (dollars per gallon) .....	<b>0.98</b>	<b>0.93</b>	<b>0.90</b>	<b>0.87</b>	<b>0.86</b>	<b>0.98</b>	<b>0.97</b>	<b>0.84</b>	<b>0.87</b>	<b>1.29</b>	<b>1.23</b>	<b>1.11</b>	<b>1.32</b>	<i>1.40</i>	<i>1.35</i>
No. 6 Residual Fuel Oil, Retail <sup>d</sup> (dollars per barrel) .....	<b>14.32</b>	<b>14.21</b>	<b>14.00</b>	<b>14.79</b>	<b>16.49</b>	<b>19.01</b>	<b>17.82</b>	<b>12.83</b>	<b>16.02</b>	<b>25.34</b>	<b>22.24</b>	<b>23.81</b>	<b>29.40</b>	<i>31.32</i>	<i>30.38</i>
<b>Electric Power Sector</b> (dollars per million Btu)															
Coal .....	<b>1.45</b>	<b>1.41</b>	<b>1.38</b>	<b>1.36</b>	<b>1.32</b>	<b>1.29</b>	<b>1.27</b>	<b>1.25</b>	<b>1.22</b>	<b>1.20</b>	<b>1.23</b>	<b>1.25</b>	<b>1.27</b>	<i>1.33</i>	<i>1.32</i>
Heavy Fuel Oil <sup>e</sup> .....	<b>2.48</b>	<b>2.46</b>	<b>2.36</b>	<b>2.40</b>	<b>2.60</b>	<b>3.01</b>	<b>2.79</b>	<b>2.07</b>	<b>2.38</b>	<b>4.27</b>	<b>3.73</b>	<b>3.67</b>	<b>4.78</b>	<i>5.43</i>	<i>5.04</i>
Natural Gas .....	<b>2.15</b>	<b>2.33</b>	<b>2.56</b>	<b>2.23</b>	<b>1.98</b>	<b>2.64</b>	<b>2.76</b>	<b>2.38</b>	<b>2.57</b>	<b>4.34</b>	<b>4.44</b>	<b>3.54</b>	<b>5.39</b>	<i>6.11</i>	<i>6.28</i>
<b>Other Residential</b>															
Natural Gas (dollars per thousand cubic feet) .....	<b>5.82</b>	<b>5.89</b>	<b>6.17</b>	<b>6.41</b>	<b>6.06</b>	<b>6.35</b>	<b>6.95</b>	<b>6.83</b>	<b>6.69</b>	<b>7.77</b>	<b>9.63</b>	<b>7.91</b>	<b>9.49</b>	<i>10.47</i>	<i>10.67</i>
Electricity (cents per kilowatthour) .....	<b>8.05</b>	<b>8.23</b>	<b>8.34</b>	<b>8.40</b>	<b>8.40</b>	<b>8.36</b>	<b>8.43</b>	<b>8.26</b>	<b>8.16</b>	<b>8.24</b>	<b>8.62</b>	<b>8.45</b>	<b>8.71</b>	<i>8.96</i>	<i>9.16</i>

<sup>a</sup>Refiner acquisition cost (RAC) of imported crude oil.

<sup>b</sup>West Texas Intermediate.

<sup>c</sup>Average self-service cash prices.

<sup>d</sup>Average for all sulfur contents.

<sup>e</sup>Includes fuel oils No. 4, No. 5, and No. 6 and topped crude fuel oil prices.

Notes: Prices exclude taxes, except prices for gasoline, residential natural gas, and diesel. Minor discrepancies with other published EIA historical data are due to independent rounding. Historical data are printed in bold; forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System. Sources: Historical data: EIA; latest data available from EIA databases supporting the following reports: *Petroleum Marketing Monthly*, DOE/EIA-0380; *Natural Gas Monthly*, DOE/EIA-0130; *Monthly Energy Review*, DOE/EIA-0035; *Electric Power Monthly*, DOE/EIA-0226.

**Table A5. Annual U.S. Petroleum Supply and Demand: Base Case**  
(Million Barrels per Day, Except Closing Stocks)

	Year														
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
<b>Supply</b>															
Crude Oil Supply															
Domestic Production <sup>a</sup>	7.42	7.17	6.85	6.66	6.56	6.46	6.45	6.25	5.88	5.82	5.80	5.75	5.74	5.58	5.63
Alaska.....	1.80	1.71	1.58	1.56	1.48	1.39	1.30	1.17	1.05	0.97	0.96	0.98	0.97	0.95	0.90
Lower 48.....	5.62	5.46	5.26	5.10	5.08	5.07	5.16	5.08	4.83	4.85	4.84	4.76	4.76	4.63	4.74
Net Commercial Imports <sup>b</sup>	5.67	5.98	6.67	6.95	7.14	7.40	8.12	8.60	8.60	9.01	9.30	9.12	9.70	9.79	10.03
Net SPR Withdrawals.....	0.04	-0.01	-0.02	0.00	0.00	0.07	0.01	-0.02	0.02	0.08	-0.02	-0.12	-0.13	-0.13	-0.04
Net Commercial Withdrawals.....	0.00	0.02	-0.05	-0.01	0.09	0.05	-0.06	-0.05	0.11	0.00	-0.07	0.09	0.03	-0.03	0.00
Product Supplied and Losses.....	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unaccounted-for Crude Oil.....	0.20	0.26	0.17	0.27	0.19	0.22	0.14	0.11	0.19	0.15	0.12	0.11	-0.03	0.16	0.22
Total Crude Oil Supply.....	13.30	13.41	13.61	13.87	13.97	14.19	14.66	14.89	14.80	15.07	15.13	14.95	15.30	15.37	15.85
Other Supply															
NGL Production.....	1.66	1.70	1.74	1.73	1.76	1.83	1.82	1.76	1.85	1.91	1.87	1.88	1.72	1.72	1.74
Other Hydrocarbon and Alcohol Inputs.....	0.15	0.20	0.25	0.26	0.30	0.31	0.34	0.38	0.38	0.38	0.38	0.42	0.43	0.43	0.42
Crude Oil Product Supplied.....	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Processing Gain.....	0.71	0.77	0.77	0.77	0.77	0.84	0.85	0.89	0.89	0.95	0.90	0.96	0.97	0.98	0.97
Net Product Imports <sup>c</sup> .....	0.96	0.94	0.93	1.09	0.75	1.10	1.04	1.17	1.30	1.40	1.59	1.42	1.62	1.88	1.90
Product Stock Withdrawn.....	-0.04	0.06	-0.05	0.00	0.15	0.03	-0.09	-0.17	0.30	0.00	-0.23	0.15	0.03	0.03	-0.04
Total Supply.....	16.76	17.10	17.26	17.72	17.72	18.31	18.62	18.92	19.52	19.70	19.65	19.76	20.06	20.41	20.83
<b>Demand</b>															
Motor Gasoline <sup>d</sup> .....	7.23	7.38	7.48	7.60	7.79	7.89	8.02	8.25	8.43	8.47	8.61	8.85	8.94	9.10	9.30
Jet Fuel.....	1.47	1.45	1.47	1.53	1.51	1.58	1.60	1.62	1.67	1.73	1.66	1.61	1.57	1.64	1.67
Distillate Fuel Oil.....	2.92	2.98	3.04	3.16	3.21	3.37	3.44	3.46	3.57	3.72	3.85	3.78	3.93	4.04	4.12
Residual Fuel Oil.....	1.16	1.09	1.08	1.02	0.85	0.85	0.80	0.89	0.83	0.91	0.81	0.70	0.78	0.77	0.80
Other Oils <sup>e</sup> .....	3.99	4.20	4.17	4.41	4.36	4.63	4.77	4.69	5.01	4.87	4.73	4.82	4.86	4.86	4.93
Total Demand.....	16.77	17.10	17.24	17.72	17.72	18.31	18.62	18.92	19.52	19.70	19.65	19.76	20.07	20.40	20.82
Total Petroleum Net Imports.....	6.63	6.94	7.62	8.05	7.89	8.50	9.16	9.76	9.91	10.42	10.90	10.54	11.32	11.66	11.93
<b>Closing Stocks (million barrels)</b>															
Crude Oil (excluding SPR).....	325	318	335	337	303	284	305	324	284	286	312	278	268	278	278
Total Motor Gasoline.....	219	216	226	215	202	195	210	216	193	196	210	209	207	195	201
Jet Fuel.....	49	43	40	47	40	40	44	45	41	45	42	39	39	38	40
Distillate Fuel Oil.....	144	141	141	145	130	127	138	156	125	118	145	134	137	129	131
Residual Fuel Oil.....	50	43	44	42	37	46	40	45	36	36	41	31	38	37	37
Other Oils <sup>f</sup> .....	267	263	273	275	258	250	259	291	246	247	287	258	241	251	255

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

<sup>b</sup>Net imports equals gross imports plus SPR imports minus exports.

<sup>c</sup>Includes finished petroleum products, unfinished oils, gasoline blending components, and natural gas plant liquids for processing.

<sup>d</sup>For years prior to 1993, motor gasoline includes an estimate of fuel ethanol blended into gasoline and certain product reclassifications, not reported elsewhere in EIA. See Appendix B in EIA, *Short-Term Energy Outlook*, EIA/DOE-0202(93/3Q), for details on this adjustment.

<sup>e</sup>Includes crude oil product supplied, natural gas liquids, liquefied refinery gas, other liquids, and all finished petroleum products except motor gasoline, jet fuel, distillate, and residual fuel oil.

<sup>f</sup>Includes stocks of all other oils, such as aviation gasoline, kerosene, natural gas liquids (including ethane), aviation gasoline blending components, naphtha and other oils for petrochemical feedstock use, special naphthas, lube oils, wax, coke, asphalt, road oil, and miscellaneous oils.

SPR: Strategic Petroleum Reserve. NGL: Natural Gas Liquids

Notes: Minor discrepancies with other EIA published historical data are due to rounding, with the following exception: recent petroleum demand and supply data displayed here reflect the incorporation of resubmissions of the data as reported in EIA's *Petroleum Supply Monthly*, TableC1. Historical data are printed in bold; forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Petroleum Supply Monthly*, DOE/EIA-0109, and *Weekly Petroleum Status Report*, DOE/EIA-0208.

**Table A6. Annual U.S. Natural Gas Supply and Demand: Base Case**  
(Trillion Cubic Feet)

	Year														
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
<b>Supply</b>															
Total Dry Gas Production .....	<b>17.70</b>	<b>17.84</b>	<b>18.10</b>	<b>18.82</b>	<b>18.60</b>	<b>18.78</b>	<b>18.83</b>	<b>19.02</b>	<b>18.83</b>	<b>19.18</b>	<b>19.62</b>	<b>18.96</b>	<b>19.07</b>	<i>19.24</i>	<i>19.29</i>
Gross Imports .....	<b>1.77</b>	<b>2.14</b>	<b>2.35</b>	<b>2.62</b>	<b>2.84</b>	<b>2.94</b>	<b>2.99</b>	<b>3.15</b>	<b>3.59</b>	<b>3.78</b>	<b>4.02</b>	<b>3.93</b>	<b>3.92</b>	<i>3.92</i>	<i>4.00</i>
Gross Exports .....	<b>0.13</b>	<b>0.22</b>	<b>0.14</b>	<b>0.16</b>	<b>0.15</b>	<b>0.15</b>	<b>0.16</b>	<b>0.16</b>	<b>0.16</b>	<b>0.24</b>	<b>0.37</b>	<b>0.52</b>	<b>0.69</b>	<i>0.74</i>	<i>0.85</i>
Net Imports .....	<b>1.64</b>	<b>1.92</b>	<b>2.21</b>	<b>2.46</b>	<b>2.69</b>	<b>2.78</b>	<b>2.84</b>	<b>2.99</b>	<b>3.42</b>	<b>3.54</b>	<b>3.60</b>	<b>3.50</b>	<b>3.24</b>	<i>3.18</i>	<i>3.15</i>
Supplemental Gaseous Fuels.....	<b>0.11</b>	<b>0.12</b>	<b>0.12</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.08</b>	<b>0.08</b>	<b>0.08</b>	<b>0.09</b>	<b>0.09</b>	<b>0.07</b>	<b>0.06</b>	<i>0.07</i>	<i>0.07</i>
Total New Supply.....	<b>19.45</b>	<b>19.88</b>	<b>20.42</b>	<b>21.39</b>	<b>21.40</b>	<b>21.68</b>	<b>21.74</b>	<b>22.10</b>	<b>22.34</b>	<b>22.81</b>	<b>23.30</b>	<b>22.53</b>	<b>22.37</b>	<i>22.48</i>	<i>22.52</i>
Working Gas in Storage															
Opening .....	<b>2.85</b>	<b>2.82</b>	<b>2.60</b>	<b>2.32</b>	<b>2.61</b>	<b>2.15</b>	<b>2.17</b>	<b>2.17</b>	<b>2.73</b>	<b>2.52</b>	<b>1.72</b>	<b>2.90</b>	<b>2.38</b>	<i>2.56</i>	<i>2.55</i>
Closing .....	<b>2.82</b>	<b>2.60</b>	<b>2.32</b>	<b>2.61</b>	<b>2.15</b>	<b>2.17</b>	<b>2.17</b>	<b>2.73</b>	<b>2.52</b>	<b>1.72</b>	<b>2.90</b>	<b>2.38</b>	<b>2.56</b>	<i>2.55</i>	<i>2.53</i>
Net Withdrawals.....	<b>0.03</b>	<b>0.23</b>	<b>0.28</b>	<b>-0.28</b>	<b>0.45</b>	<b>-0.02</b>	<b>0.00</b>	<b>-0.56</b>	<b>0.21</b>	<b>0.80</b>	<b>-1.19</b>	<b>0.53</b>	<b>-0.19</b>	<i>0.02</i>	<i>0.02</i>
Total Supply.....	<b>19.48</b>	<b>20.11</b>	<b>20.70</b>	<b>21.11</b>	<b>21.85</b>	<b>21.66</b>	<b>21.74</b>	<b>21.54</b>	<b>22.54</b>	<b>23.61</b>	<b>22.12</b>	<b>23.06</b>	<b>22.18</b>	<i>22.50</i>	<i>22.53</i>
Balancing Item <sup>a</sup> .....	<b>0.08</b>	<b>0.12</b>	<b>0.09</b>	<b>0.13</b>	<b>0.35</b>	<b>0.94</b>	<b>0.98</b>	<b>0.70</b>	<b>-0.15</b>	<b>-0.15</b>	<b>0.11</b>	<b>-0.06</b>	<b>-0.26</b>	<i>-0.28</i>	<i>-0.26</i>
Total Primary Supply .....	<b>19.56</b>	<b>20.23</b>	<b>20.79</b>	<b>21.24</b>	<b>22.20</b>	<b>22.60</b>	<b>22.72</b>	<b>22.24</b>	<b>22.39</b>	<b>23.47</b>	<b>22.23</b>	<b>23.00</b>	<b>21.92</b>	<i>22.22</i>	<i>22.27</i>
<b>Demand</b>															
Residential.....	<b>4.56</b>	<b>4.69</b>	<b>4.96</b>	<b>4.85</b>	<b>4.85</b>	<b>5.24</b>	<b>4.98</b>	<b>4.52</b>	<b>4.73</b>	<b>4.99</b>	<b>4.77</b>	<b>4.89</b>	<b>5.11</b>	<i>5.06</i>	<i>5.08</i>
Commercial.....	<b>2.73</b>	<b>2.80</b>	<b>2.86</b>	<b>2.90</b>	<b>3.03</b>	<b>3.16</b>	<b>3.21</b>	<b>3.00</b>	<b>3.04</b>	<b>3.22</b>	<b>3.02</b>	<b>3.10</b>	<b>3.14</b>	<i>3.15</i>	<i>3.21</i>
Industrial .....	<b>8.36</b>	<b>8.70</b>	<b>8.87</b>	<b>8.91</b>	<b>9.38</b>	<b>9.68</b>	<b>9.71</b>	<b>9.49</b>	<b>9.16</b>	<b>9.40</b>	<b>8.47</b>	<b>8.67</b>	<b>8.11</b>	<i>8.25</i>	<i>8.32</i>
Lease and Plant Fuel.....	<b>1.13</b>	<b>1.17</b>	<b>1.17</b>	<b>1.12</b>	<b>1.22</b>	<b>1.25</b>	<b>1.20</b>	<b>1.17</b>	<b>1.08</b>	<b>1.15</b>	<b>1.12</b>	<b>1.11</b>	<b>1.12</b>	<i>1.14</i>	<i>1.14</i>
Other Industrial .....	<b>7.23</b>	<b>7.53</b>	<b>7.70</b>	<b>7.79</b>	<b>8.16</b>	<b>8.44</b>	<b>8.51</b>	<b>8.32</b>	<b>8.08</b>	<b>8.25</b>	<b>7.35</b>	<b>7.56</b>	<b>6.99</b>	<i>7.11</i>	<i>7.18</i>
CHP <sup>b</sup> .....	<b>1.06</b>	<b>1.11</b>	<b>1.12</b>	<b>1.18</b>	<b>1.26</b>	<b>1.29</b>	<b>1.28</b>	<b>1.35</b>	<b>1.40</b>	<b>1.39</b>	<b>1.31</b>	<b>1.24</b>	<b>1.14</b>	<i>1.12</i>	<i>1.14</i>
Non-CHP .....	<b>6.17</b>	<b>6.42</b>	<b>6.58</b>	<b>6.61</b>	<b>6.90</b>	<b>7.15</b>	<b>7.23</b>	<b>6.97</b>	<b>6.68</b>	<b>6.87</b>	<b>6.04</b>	<b>6.32</b>	<b>5.85</b>	<i>5.99</i>	<i>6.04</i>
Transportation <sup>c</sup> .....	<b>0.60</b>	<b>0.59</b>	<b>0.62</b>	<b>0.69</b>	<b>0.70</b>	<b>0.71</b>	<b>0.75</b>	<b>0.64</b>	<b>0.65</b>	<b>0.64</b>	<b>0.63</b>	<b>0.67</b>	<b>0.64</b>	<i>0.65</i>	<i>0.65</i>
Electric Power <sup>d</sup> .....	<b>3.32</b>	<b>3.45</b>	<b>3.47</b>	<b>3.90</b>	<b>4.24</b>	<b>3.81</b>	<b>4.06</b>	<b>4.59</b>	<b>4.82</b>	<b>5.21</b>	<b>5.34</b>	<b>5.67</b>	<b>4.93</b>	<i>5.11</i>	<i>5.01</i>
Total Demand .....	<b>19.56</b>	<b>20.23</b>	<b>20.79</b>	<b>21.24</b>	<b>22.20</b>	<b>22.60</b>	<b>22.72</b>	<b>22.24</b>	<b>22.39</b>	<b>23.47</b>	<b>22.23</b>	<b>23.00</b>	<b>21.92</b>	<i>22.22</i>	<i>22.27</i>

<sup>a</sup>The balancing item represents the difference between the sum of the components of natural gas supply and the sum of components of natural gas demand.

<sup>b</sup> Natural gas used for electricity generation and production of useful thermal output by combined heat and power (CHP) plants at industrial facilities. Includes a small amount of natural gas consumption at electricity-only plants in the industrial sector.

<sup>c</sup>Pipeline fuel use plus natural gas used as vehicle fuel.

<sup>d</sup>Natural gas used for electricity generation and (a limited amount of) useful thermal output by electric utilities and independent power producers.

Notes: Minor discrepancies with other EIA published historical data are due to rounding. Historical data are printed in bold; forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: EIA: latest data available from EIA databases supporting the following reports: *Natural Gas Monthly*, DOE/EIA-0130; *Electric Power Monthly*, DOE/EIA-0226; Projections: EIA, Short-Term Integrated Forecasting System database, and Office of Oil and Gas, Reserves and Production Division.

**Table A7. Annual U.S. Coal Supply and Demand: Base Case**  
(Million Short Tons)

	Year														
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
<b>Supply</b>															
Production.....	996.0	997.5	945.4	1033.5	1033.0	1063.9	1089.9	1117.5	1100.4	1073.6	1127.7	1094.3	1069.5	1094.4	1124.8
Appalachia.....	457.8	456.6	409.7	445.4	434.9	451.9	467.8	460.4	425.6	419.4	432.8	397.0	375.7	377.8	379.3
Interior.....	195.4	195.7	167.2	179.9	168.5	172.8	170.9	168.4	162.5	143.5	147.0	146.9	146.5	142.2	139.6
Western.....	342.8	345.3	368.5	408.3	429.6	439.1	451.3	488.8	512.3	510.7	547.9	550.4	547.3	574.3	605.8
Primary Stock Levels <sup>a</sup>															
Opening.....	29.0	33.0	34.0	25.3	33.2	34.4	28.6	34.0	36.5	39.5	31.9	35.9	43.3	36.8	34.7
Closing.....	33.0	34.0	25.3	33.2	34.4	28.6	34.0	36.5	39.5	31.9	35.9	43.3	36.8	34.7	35.1
Net Withdrawals.....	-4.0	-1.0	8.7	-7.9	-1.2	5.8	-5.3	-2.6	-2.9	7.6	-4.0	-7.4	6.5	2.1	-0.3
Imports.....	3.4	3.8	8.2	8.9	9.5	8.1	7.5	8.7	9.1	12.5	19.8	16.9	25.0	25.3	26.3
Exports.....	109.0	102.5	74.5	71.4	88.5	90.5	83.5	78.0	58.5	58.5	48.7	39.6	43.0	44.3	45.8
Total Net Domestic Supply.....	886.4	897.8	887.8	963.1	952.7	987.3	1008.5	1045.7	1048.1	1035.2	1094.8	1064.2	1058.0	1077.5	1105.0
Secondary Stock Levels <sup>b</sup>															
Opening.....	147.1	170.2	166.8	123.1	139.6	138.0	126.0	108.8	131.6	149.1	108.5	146.0	148.9	127.0	129.9
Closing.....	170.2	166.8	123.1	139.6	138.0	126.0	108.8	131.6	149.1	108.5	146.0	148.9	127.0	129.9	132.5
Net Withdrawals.....	-23.1	3.3	43.8	-16.5	1.5	12.0	17.2	-22.8	-17.5	40.7	-37.6	-2.9	21.9	-2.9	-2.7
Waste Coal Supplied to IPPs <sup>c</sup> .....	0.0	6.0	6.4	7.9	8.5	8.8	8.1	9.0	9.6	10.1	10.6	11.1	11.6	12.5	15.1
Total Supply.....	863.3	907.2	937.9	954.5	962.7	1008.1	1033.9	1031.8	1040.2	1086.0	1067.9	1072.4	1091.5	1087.1	1117.4
<b>Demand</b>															
Coke Plants.....	33.9	32.4	31.3	31.7	33.0	31.7	30.2	28.2	28.1	28.9	26.1	23.7	24.2	24.7	24.8
Electric Power Sector <sup>d</sup> .....	783.9	795.1	831.6	838.4	850.2	896.9	921.4	936.6	940.9	985.8	964.4	977.5	1004.3	1004.3	1026.1
Retail and General Industry.....	81.5	80.2	81.1	81.2	78.9	77.7	78.0	72.3	69.6	69.3	69.6	65.2	65.6	66.5	66.5
Residential and Commercial.....	6.1	6.2	6.2	6.0	5.8	6.0	6.5	4.9	4.9	4.1	4.4	4.4	4.4	4.6	4.4
Industrial.....	75.4	74.0	74.9	75.2	73.1	71.7	71.5	67.4	64.7	65.2	65.3	60.7	61.2	61.8	62.0
CHP <sup>e</sup> .....	27.0	28.2	28.9	29.7	29.4	29.4	29.9	28.6	27.8	28.0	25.8	26.2	26.7	27.7	28.0
Non-CHP.....	48.4	45.8	46.0	45.5	43.7	42.3	41.7	38.9	37.0	37.2	39.5	34.5	34.4	34.1	34.0
Total Demand <sup>f</sup> .....	899.2	907.7	944.1	951.3	962.1	1006.3	1029.5	1037.1	1038.6	1084.1	1060.1	1066.4	1094.1	1095.5	1117.4
Discrepancy <sup>g</sup> .....	-35.9	-0.5	-6.1	3.2	0.6	1.7	4.3	-5.3	1.6	1.9	7.7	6.1	-2.7	-8.4	0.0

<sup>a</sup>Primary stocks are held at the mines, preparation plants, and distribution points.

<sup>b</sup>Secondary stocks are held by users. It includes an estimate of stocks held at utility plants sold to nonutility generators.

<sup>c</sup>Estimated independent power producers (IPPs) consumption of waste coal. This item includes waste coal and coal slurry reprocessed into briquettes.

<sup>d</sup>Estimates of coal consumption by IPPs, supplied by the Office of Coal, Nuclear, Electric, and Alternate Fuels, EIA.

<sup>e</sup>Coal used for electricity generation and production of useful thermal output by combined heat and power (CHP) plants at industrial facilities. Includes a small amount of coal consumption at electricity-only plants in the industrial sector.

<sup>f</sup>Total Demand includes estimated IPP consumption.

<sup>g</sup>The discrepancy reflects an unaccounted-for shipper and receiver reporting difference, assumed to be zero in the forecast period. Prior to 1994, discrepancy may include some waste coal supplied to IPPs that has not been specifically identified.

Notes: Rows and columns may not add due to independent rounding. Minor discrepancies with other EIA published historical data are due to rounding. Historical data are printed in bold; forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System or by EIA's office of Coal, Nuclear, Electric and Alternate Fuels (coal production).

Sources: Historical data: EIA; latest data available from EIA databases supporting the following reports: *Quarterly Coal Report*, DOE/EIA-0121, and *Electric Power Monthly*, DOE/EIA-0226. Projections: EIA, Short-Term Integrated Forecasting System database, and Office of Coal, Nuclear, Electric and Alternate Fuels.

**Table A8. Annual U.S. Electricity Supply and Demand: Base Case**

(Billion Kilowatthours)

	Year														
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
<b>Net Electricity Generation</b>															
Electric Power Sector <sup>a</sup>															
Coal.....	<b>1568.8</b>	<b>1597.7</b>	<b>1665.5</b>	<b>1666.3</b>	<b>1686.1</b>	<b>1772.0</b>	<b>1820.8</b>	<b>1850.2</b>	<b>1858.6</b>	<b>1943.1</b>	<b>1882.8</b>	<b>1910.6</b>	<b>1948.0</b>	<i>1942.7</i>	<i>1976.7</i>
Petroleum.....	<b>112.8</b>	<b>92.2</b>	<b>105.4</b>	<b>98.7</b>	<b>68.1</b>	<b>74.8</b>	<b>86.5</b>	<b>122.2</b>	<b>111.5</b>	<b>105.2</b>	<b>119.1</b>	<b>89.7</b>	<b>112.5</b>	<i>122.4</i>	<i>118.8</i>
Natural Gas.....	<b>317.8</b>	<b>334.3</b>	<b>342.2</b>	<b>385.7</b>	<b>419.2</b>	<b>378.8</b>	<b>399.6</b>	<b>449.3</b>	<b>473.0</b>	<b>518.0</b>	<b>554.9</b>	<b>607.7</b>	<b>550.6</b>	<i>578.8</i>	<i>574.2</i>
Nuclear.....	<b>612.6</b>	<b>618.8</b>	<b>610.3</b>	<b>640.4</b>	<b>673.4</b>	<b>674.7</b>	<b>628.6</b>	<b>673.7</b>	<b>728.3</b>	<b>753.9</b>	<b>768.8</b>	<b>780.1</b>	<b>763.7</b>	<i>786.3</i>	<i>787.1</i>
Hydroelectric.....	<b>281.5</b>	<b>245.8</b>	<b>273.5</b>	<b>250.6</b>	<b>302.7</b>	<b>338.1</b>	<b>346.6</b>	<b>313.4</b>	<b>308.6</b>	<b>265.8</b>	<b>204.9</b>	<b>251.7</b>	<b>260.6</b>	<i>271.5</i>	<i>287.1</i>
Other <sup>b</sup> .....	<b>42.1</b>	<b>45.5</b>	<b>47.0</b>	<b>47.0</b>	<b>44.8</b>	<b>45.8</b>	<b>47.3</b>	<b>48.6</b>	<b>50.0</b>	<b>51.6</b>	<b>49.4</b>	<b>58.6</b>	<b>55.1</b>	<i>59.7</i>	<i>62.2</i>
Subtotal.....	<b>2935.6</b>	<b>2934.4</b>	<b>3043.9</b>	<b>3088.7</b>	<b>3194.2</b>	<b>3284.1</b>	<b>3329.4</b>	<b>3457.4</b>	<b>3530.0</b>	<b>3637.5</b>	<b>3580.1</b>	<b>3698.5</b>	<b>3690.7</b>	<i>3761.5</i>	<i>3806.2</i>
Other Sectors <sup>c</sup> .....	<b>138.2</b>	<b>149.5</b>	<b>153.3</b>	<b>158.8</b>	<b>159.3</b>	<b>160.0</b>	<b>162.8</b>	<b>162.9</b>	<b>164.8</b>	<b>164.6</b>	<b>156.6</b>	<b>160.0</b>	<b>157.3</b>	<i>161.5</i>	<i>163.0</i>
Total.....	<b>3073.8</b>	<b>3083.9</b>	<b>3197.2</b>	<b>3247.5</b>	<b>3353.5</b>	<b>3444.2</b>	<b>3492.2</b>	<b>3620.3</b>	<b>3694.8</b>	<b>3802.1</b>	<b>3736.6</b>	<b>3858.5</b>	<b>3848.0</b>	<i>3923.0</i>	<i>3969.2</i>
Net Imports.....	<b>19.6</b>	<b>25.4</b>	<b>27.8</b>	<b>44.8</b>	<b>39.2</b>	<b>40.2</b>	<b>34.1</b>	<b>25.9</b>	<b>29.0</b>	<b>33.8</b>	<b>22.0</b>	<b>22.8</b>	<b>6.4</b>	<i>8.4</i>	<i>6.7</i>
Total Supply.....	<b>3093.4</b>	<b>3109.3</b>	<b>3225.0</b>	<b>3292.3</b>	<b>3392.7</b>	<b>3484.4</b>	<b>3526.2</b>	<b>3646.2</b>	<b>3723.8</b>	<b>3835.9</b>	<b>3758.7</b>	<b>3881.3</b>	<b>3854.4</b>	<i>3931.4</i>	<i>3975.9</i>
Losses and Unaccounted for <sup>d</sup> .....	<b>213.4</b>	<b>223.7</b>	<b>236.0</b>	<b>223.7</b>	<b>235.4</b>	<b>237.4</b>	<b>232.2</b>	<b>221.0</b>	<b>229.2</b>	<b>233.0</b>	<b>216.1</b>	<b>242.1</b>	<b>180.8</b>	<i>191.3</i>	<i>193.7</i>
<b>Demand</b>															
Retail Sales <sup>e</sup>															
Residential.....	<b>955.4</b>	<b>935.9</b>	<b>994.8</b>	<b>1008.5</b>	<b>1042.5</b>	<b>1082.5</b>	<b>1075.9</b>	<b>1130.1</b>	<b>1144.9</b>	<b>1192.4</b>	<b>1202.6</b>	<b>1267.0</b>	<b>1279.9</b>	<i>1306.2</i>	<i>1322.8</i>
Commercial <sup>f</sup> .....	<b>855.2</b>	<b>850.0</b>	<b>884.7</b>	<b>913.1</b>	<b>953.1</b>	<b>980.1</b>	<b>1026.6</b>	<b>1078.0</b>	<b>1103.8</b>	<b>1159.3</b>	<b>1197.4</b>	<b>1218.2</b>	<b>1223.4</b>	<i>1243.0</i>	<i>1267.2</i>
Industrial.....	<b>946.6</b>	<b>972.7</b>	<b>977.2</b>	<b>1008.0</b>	<b>1012.7</b>	<b>1033.6</b>	<b>1038.2</b>	<b>1051.2</b>	<b>1058.2</b>	<b>1064.2</b>	<b>964.2</b>	<b>972.2</b>	<b>991.4</b>	<i>1007.3</i>	<i>1007.0</i>
Transportation <sup>g</sup> .....	<b>4.8</b>	<b>4.7</b>	<b>4.8</b>	<b>5.0</b>	<b>5.0</b>	<b>4.9</b>	<b>4.9</b>	<b>5.0</b>	<b>5.1</b>	<b>5.4</b>	<b>5.5</b>	<b>5.2</b>	<b>5.3</b>	<i>5.3</i>	<i>5.3</i>
Subtotal.....	<b>2762.0</b>	<b>2763.4</b>	<b>2861.5</b>	<b>2934.6</b>	<b>3013.3</b>	<b>3101.1</b>	<b>3145.6</b>	<b>3264.2</b>	<b>3312.1</b>	<b>3421.4</b>	<b>3369.8</b>	<b>3462.5</b>	<b>3500.0</b>	<i>3561.9</i>	<i>3602.3</i>
Other Use/Sales <sup>h</sup> .....	<b>118.1</b>	<b>122.3</b>	<b>127.5</b>	<b>134.1</b>	<b>144.1</b>	<b>145.9</b>	<b>148.4</b>	<b>160.9</b>	<b>182.5</b>	<b>181.5</b>	<b>172.8</b>	<b>176.6</b>	<b>173.7</b>	<i>178.3</i>	<i>180.0</i>
Total Demand.....	<b>2880.1</b>	<b>2885.6</b>	<b>2989.0</b>	<b>3068.7</b>	<b>3157.3</b>	<b>3247.0</b>	<b>3294.0</b>	<b>3425.1</b>	<b>3494.6</b>	<b>3602.9</b>	<b>3542.6</b>	<b>3639.1</b>	<b>3673.6</b>	<i>3740.2</i>	<i>3782.2</i>

<sup>a</sup>Electric Utilities and independent power producers.

<sup>b</sup>"Other" includes generation from other gaseous fuels, geothermal, wind, wood, waste, and solar sources.

<sup>c</sup>Electricity generation from combined heat and power facilities and electricity-only plants in the industrial and commercial sectors.

<sup>d</sup>Balancing item, mainly transmission and distribution losses.

<sup>e</sup>Total of retail electricity sales by electric utilities and power marketers. Utility sales for historical periods are reported in EIA'S *Electric Power Monthly* and *Electric Power Annual*. Power marketers' sales are reported annually in Appendix C of EIA's *Electric Sales and Revenue*. Quarterly data for power marketers (and thus retail sales totals) are imputed. Data for 2003 are estimated.

<sup>f</sup>Commercial sector, including public street and highway lighting, interdepartmental sales and other sales to public authorities. These items, along with transportation sector electricity were formerly included in an "Other" category, which is no longer provided. (See EIA 's Monthly Energy Review, Table 7.5, for a comparison of "Old Basis" and "New Basis" electricity retail sales.) Through 2003, data are estimated as the sum of "Old Basis Commercial" and approximately 95 percent of "Old Basis Other"; beginning in 2004, data are actual survey data.

<sup>g</sup>Transportation sector, including sales to railroads and railways. Through 2003, data are estimated as approximately 5 percent of "Old Basis Other"; beginning in 2004, data are actual survey data.

<sup>h</sup>Defined as the sum of facility use of onsite net electricity generation plus direct sales of power by industrial- or commercial-sector generators to third parties, reported annually in Table 7.5 of the *Monthly Energy Review* (MER). Data for 2002 are estimates.

Notes: Minor discrepancies with other EIA published historical data are due to rounding. Historical data are printed in bold; forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System and by EIA's office of Coal, Nuclear, Electric and Alternate Fuels (hydroelectric and nuclear).

Sources: Historical data: EIA: latest data available from EIA databases supporting the following report: *Electric Power Monthly*, DOE/EIA-0226. Projections: EIA, Short-Term Integrated Forecasting System database, and Office of Coal, Nuclear, Electric and Alternate Fuels.