



Independent Statistics & Analysis

U.S. Energy Information
Administration

July 2011



Short-Term Energy Outlook

July 12, 2011 Release

Highlights

- World crude oil prices initially fell following the June 23 announcement by the International Energy Agency (IEA) that its member countries would release up to 60 million barrels from strategic reserves but then rose above the pre-announcement levels in late June and early July. Attributing observed price changes since June 23 to the IEA announcement is difficult because other drivers, including changing expectations of world economic and crude oil consumption growth, uncertainty over oil supply disruptions, estimates of Organization of the Petroleum Exporting Countries (OPEC) spare production capacity, and other physical and financial factors are continually affecting oil prices. Although the IEA release will provide some additional supply, EIA expects oil markets to tighten through 2012. Given projected world oil demand growth and slowing growth in supply from countries that are not members of OPEC, the projected U.S. average refiner acquisition cost of crude oil rises from \$102 per barrel in 2011 to \$108 per barrel in 2012, about \$1 per barrel below last month's *Outlook*.
- The regular-grade gasoline monthly average retail price fell from \$3.91 per gallon in May to \$3.68 per gallon in June, reflecting the decline in crude oil prices from their April peak and a recovery from unexpected refinery outages and Mississippi River flooding. EIA expects regular-grade gasoline prices will average \$3.62 per gallon and \$3.51 per gallon over the third and fourth quarters of 2011, respectively.
- Natural gas working inventories ended June 2011 at 2.5 trillion cubic feet (Tcf), about 8 percent, or 214 billion cubic feet (Bcf), below the 2010 end-of-June level. EIA expects that working gas inventories will build strongly during the summer and approach record-high levels in the second half of 2011. The projected Henry Hub natural gas spot price averages \$4.27 per million British thermal units (MMBtu) in 2011, \$0.12 per MMBtu lower than the 2010 average. EIA expects the natural gas market to begin tightening in 2012, with the Henry Hub spot price increasing to an average of \$4.54 per MMBtu.

Global Crude Oil and Liquid Fuels

Crude Oil and Liquid Fuels Overview. EIA projects that total world oil consumption will grow by 1.4 million barrels per day (bbl/d) in 2011 and 1.6 million bbl/d in 2012. EIA still expects that the market will rely on both a drawdown of inventories and production increases in both non-OPEC and OPEC countries to meet projected demand growth. Projected supply from non-OPEC countries increases by an average of about 0.6 million bbl/d annually in 2011 and 2012. OPEC production, including both crude and non-crude liquids, increases by 0.3 and 0.9 million bbl/d in 2011 and 2012, respectively.

EIA expects the release of strategic reserves pursuant to the IEA's June 23 announcement to reduce the expected draw on commercial stocks during the rest of 2011. In last month's *Outlook*, commercial stocks held in Organisation for Economic Cooperation and Development (OECD) member countries, which fell by about 7 million barrels over the first 6 months of 2011, were forecast to fall by 127 million barrels over the last 6 months of this year because of the projected second-half increase in world consumption. In this *Outlook*, the second-half OECD commercial stock draw has been lowered to 71 million barrels.

The crude oil price outlook remains uncertain. Among the major uncertainties that could push oil prices above or below our current forecast are: risk of additional supply disruptions in producing regions, such as possible unrest in Sudan; the willingness and ability of key OPEC-member countries to increase and sustain higher production in response to the global increase in oil demand; the rate of global economic growth; and fiscal issues facing national and sub-national governments.

Global Crude Oil and Liquid Fuels Consumption. World crude oil and liquid fuels consumption grew to a record high 86.7 million bbl/d in 2010. EIA expects that world consumption will continue to grow by 1.4 million bbl/d in 2011 and by 1.6 million bbl/d in 2012, resulting in total world consumption of 89.7 million bbl/d in 2012 ([World Liquid Fuels Consumption Chart](#)). Countries outside the OECD will make up almost all of the growth in consumption over the next two years, with the largest increases coming from China, Brazil, and the Middle East. Among OECD countries, EIA expects that consumption will increase in the United States, Canada, Mexico, and South Korea over the next two years, offsetting declines in OECD Europe. Consumption in Japan is forecast to increase slightly in 2011 but then fall in 2012 as power plants recover from the impacts of the earthquake and tsunami.

Non-OPEC Supply. EIA projects that non-OPEC crude oil and liquid fuels production will increase by 540 thousand bbl/d in 2011 and by 740 thousand bbl/d in 2012 ([Non-OPEC Crude Oil and Liquid Fuels Production Growth Chart](#)). The greatest increases in non-OPEC oil production during 2011 occur in Canada (170 thousand bbl/d), China (140 thousand bbl/d), the United States (140 thousand bbl/d), Brazil (120 thousand bbl/d), and Colombia (120 thousand bbl/d). EIA has lowered the rate of production declines in the North Sea and Europe compared to the last *Outlook*. Increased taxes on production, particularly in the United Kingdom, are now expected to have less of an effect on total production. At the same time, EIA now expects that Azerbaijan's production will be lower compared to the previous *Outlook*, as continued problems with the production in the Azeri-Chirag-Guneshli field last longer than initially anticipated. In Russia, lack of reform of the tax regime likely will dampen any increase in oil production.

OPEC Supply. Forecast OPEC crude oil production declines by about 300 thousand bbl/d in 2011, but increases by 560 thousand bbl/d in 2012. EIA assumes that about one-half of Libya's pre-disruption production will resume by the end of 2012. The 12 members of OPEC produced an estimated 29.2 million bbl/d of crude oil in the second quarter of 2011 and EIA expects that their production will increase to an average 29.6 million bbl/d in the third quarter. EIA projects that OPEC surplus capacity will fall from 4.0 million bbl/d at the end of 2010 to 3.5 million bbl/d at the end of 2011, followed by a further decline to 3.1 million bbl/d by the end of 2012 ([OPEC Surplus Crude Oil Production Capacity Chart](#)). Forecast OPEC non-crude liquids production, which is not subject to production targets, increases by 0.6 million bbl/d in 2011 and by 0.4 million bbl/d in 2012.

OECD Petroleum Inventories. EIA expects that OECD commercial inventories will decline in both 2011 and 2012. Because of the IEA release of emergency stocks, the projected commercial stock declines are not as large as those in last month's *Outlook*. Projected onshore OECD stocks fall by about 78 million barrels in 2011, compared to 118 million barrels in last month's *Outlook*. Days of supply (total inventories divided by average daily consumption) drop from a relatively high 58.1 days during the fourth quarter of 2010 to 55.7 days in 2011 and 54.6 days of supply in 2012 ([Days of Supply of OECD Commercial Stocks Chart](#)).

Crude Oil Prices. WTI crude oil spot prices have fallen from an average of \$110 per barrel in April to \$96 per barrel in June. World crude oil prices initially fell following the IEA's June 23 announcement of releases from strategic reserves but then rose above their pre-announcement levels in late June and early July. Attributing observed price changes since June 23 to the IEA announcement is difficult because of other factors which continually affect oil prices, such as changing expectations of

world economic and crude oil demand growth, uncertainty over oil supply disruptions, estimates of OPEC spare production capacity, and other physical and financial market factors (see EIA's [What Drives Crude Oil Prices](#)).

EIA still expects oil markets to tighten as growing liquid fuels demand in emerging economies and slowing growth in non-OPEC supply maintain upward pressure on oil prices. EIA expects that WTI spot prices, which averaged \$79 per barrel in 2010, will average \$98 per barrel in 2011 and \$103 per barrel in 2012, while the U.S. composite refiner acquisition cost of crude oil is projected to average \$102 and \$108 per barrel for 2011 and 2012, respectively ([West Texas Intermediate Crude Oil Price Chart](#)).

Growing volumes of Canadian crude oil imported into the United States have contributed to high [storage levels at Cushing, Oklahoma](#), and a price discount for WTI compared with similar-quality world crudes such as Brent. The price discount for WTI is expected to persist until transportation bottlenecks restricting the movement of mid-continent crude oil to the Gulf Coast are relieved. Consequently, the projected U.S. refiner average acquisition cost of crude oil, which averaged almost \$2.70 per barrel below WTI in 2010, is about \$4 per barrel above WTI in 2011 and \$5 per barrel above WTI in 2012.

Energy price forecasts are highly uncertain ([Market Prices and Uncertainty Report](#)). WTI futures for September 2011 delivery over the 5-day period ending July 7 averaged \$96.93 per barrel and implied volatility averaged 28 percent, establishing the lower and upper limits of a 95-percent confidence interval for the market's expectations of monthly average WTI prices in July of \$81 per barrel and \$116 per barrel, respectively. Last year at this time, WTI for September 2010 delivery averaged \$77 per barrel and implied volatility averaged 35 percent. The corresponding lower and upper limits of the 95-percent confidence interval were \$60 per barrel and \$98 per barrel.

U.S. Crude Oil and Liquid Fuels

U.S. Liquid Fuels Consumption. Total consumption of liquid fuels in 2010 grew by 380 thousand bbl/d, or 2.0 percent, the fastest rate of growth since 2004 ([U.S. Liquid Fuels Consumption Growth Chart](#)). Distillate fuel oil accounted for over 40 percent of that increase, growing by 4.5 percent.

In contrast to 2010, projected total U.S. liquid fuels consumption in 2011 grows by just 30 thousand bbl/d (0.2 percent), down sharply from the 150 thousand bbl/d projected in the previous *Outlook*. At the beginning of this year, domestic liquid fuels markets remained strong. In the first quarter, total consumption increased by 270 thousand

bbl/d (1.4 percent) over the same period last year, led by distillate fuel oil (160 thousand bbl/d) and liquefied petroleum gas (70 thousand bbl/d), despite a fall in motor gasoline consumption (50 thousand bbl/d). Available data for the second quarter, however, point to a broad-based decline in liquids consumption brought about by moderation in economic growth and high prices, with total consumption and motor gasoline consumption down by 200 thousand bbl/d (1.0 percent) and 210 thousand bbl/d (2.3 percent) respectively relative to the year-ago quarter. Distillate fuel oil consumption, having grown strongly in the first quarter, remained flat in the second quarter. Forecast total liquids consumption in the third quarter are 60 thousand bbl/d (0.3 percent) below their level in the year-ago quarter, but by the fourth quarter liquid fuels are projected to resume their growth, increasing by 110 thousand bbl/d (0.6 percent) over the same period last year.

In 2012, total liquid fuels consumption is forecast to increase by 140 thousand bbl/d (0.7 percent) to 19.3 million bbl/d with motor gasoline consumption rising by 60 thousand bbl/d (0.7 percent) and distillate fuel consumption increasing by 70 thousand bbl/d (1.7 percent) as manufacturing activity continues to register strong growth.

U.S. Liquid Fuels Supply and Imports. Domestic crude oil production, which increased by 150 thousand bbl/d in 2010 to 5.5 million bbl/d, increases by a further 50 thousand bbl/d in both 2011 and 2012 ([U.S. Crude Oil Production Chart](#)). Lower-48 production grows by 260 thousand bbl/d in 2011 and 170 thousand bbl/d in 2012 as a result of increased oil-directed drilling activity.

Liquid fuel net imports (including both crude oil and refined products) fell from 57 percent of total U.S. consumption in 2008 to 49 percent in 2010, primarily because of the decline in consumption during the recession and rising domestic production. EIA forecasts that liquid fuel net imports will average 9.2 million bbl/d in 2011 and 9.4 million bbl/d in 2012, representing 48 percent and 49 percent of total consumption, respectively.

U.S. Petroleum Product Prices. EIA forecasts that the annual average regular-grade gasoline retail price will increase from \$2.78 per gallon in 2010 to \$3.56 per gallon in 2011 and to \$3.65 per gallon in 2012, both slight reductions from last month's *Outlook*. The sizable jump in retail prices this year reflects not only the higher average cost of crude oil compared to previous years, but also an increase in U.S. refining margins on gasoline (the difference between refinery wholesale gasoline prices and the average cost of crude oil) from an average of \$0.34 per gallon in 2010 to \$0.45 per gallon in 2011 and \$0.42 per gallon in 2012.

EIA expects that on-highway diesel fuel retail prices, which averaged \$2.99 per gallon in 2010, will average \$3.86 per gallon in 2011 and \$3.95 per gallon in 2012, relatively unchanged from the previous *Outlook*. Projected U.S. refining margins on diesel fuel increase from an average \$0.38 per gallon in 2010 to \$0.62 per gallon in 2011, then fall to \$0.55 per gallon in 2012.

Natural Gas

U.S. Natural Gas Consumption. EIA expects that total natural gas consumption will grow by 2.0 percent to 67.4 billion cubic feet per day (Bcf/d) in 2011 ([U.S. Total Natural Gas Consumption Chart](#)). Forecast industrial and electric power consumption are expected to rise in 2011 by 3.3 percent to 18.7 Bcf/d and 2.1 percent to 20.6 Bcf/d, respectively.

Projected total consumption drops slightly in 2012 to 67.3 Bcf/d, reflecting expected continued growth in the industrial and electric power sectors with a decline in residential and commercial consumption due to a forecast decline in heating degree-days in the Midwest and West.

U.S. Natural Gas Production and Imports. Marketed natural gas production is expected to average 65.4 Bcf/d in 2011, a 3.6 Bcf/d (5.8 percent) increase over 2010. Much of this growth is expected to occur during the first three quarters of the year, with a more moderate increase in the fourth quarter. Production growth is forecast to continue at a much slower pace in 2012, increasing 0.6 Bcf/d (0.9 percent) to average 66.0 Bcf/d.

Growing domestic natural gas production has reduced reliance on natural gas imports and contributed to increased exports. EIA expects that pipeline gross imports of natural gas will fall by 3.9 percent to 8.7 Bcf/d during 2011 and by 4.0 percent to 8.4 Bcf/d in 2012. Pipeline gross exports to Mexico and Canada are expected to average 4.2 Bcf/d in 2011 and 4.3 Bcf/d in 2012, compared to just 3.1 Bcf in 2010.

EIA projects that U.S. imports of liquefied natural gas (LNG) will fall from an average 1.2 Bcf/d in 2010 to 1.0 Bcf/d in both 2011 and 2012. Because of the earthquake in Japan and subsequent nuclear generation outages, Japan's demand for LNG as a replacement fuel for electric power generation is expected to increase, contributing to higher global LNG prices.

U.S. Natural Gas Inventories. On July 1, 2011, working natural gas in storage stood at 2,527 Bcf, 214 Bcf below last year's level in late June ([U.S. Working Natural Gas in Storage Chart](#)). EIA expects that inventories, though currently lower than last year,

will come close to last year's levels towards the end of the 2011 injection season. Projected inventories surpass 3.8 Tcf at the end of October 2011 because of current high production rates and a milder summer relative to last year.

U.S. Natural Gas Prices. The Henry Hub spot price averaged \$4.54 per MMBtu in June, 23 cents higher than the May average and 34 cents higher than forecast in last month's *Outlook* ([Henry Hub Natural Gas Price Chart](#)). EIA expects that the Henry Hub price will average \$4.26 per MMBtu over the second half of 2011, as the inventory deficit relative to last year narrows. EIA projects that the Henry Hub price will average \$4.54 per MMBtu in 2012, as slowing growth in production contributes to tighter domestic natural gas markets.

Uncertainty about natural gas prices is lower this year compared to last year at this time ([Market Prices and Uncertainty Report](#)). Natural gas futures for September 2011 delivery (for the 5-day period ending July 7) averaged \$4.28 per MMBtu, and the average implied volatility was 33 percent. The lower and upper bounds for the 95-percent confidence interval for September 2011 contracts are \$3.34 per MMBtu and \$5.48 per MMBtu. At this time last year, the September 2010 natural gas futures contract averaged \$4.66 per MMBtu and implied volatility averaged 33 percent. The corresponding lower and upper limits of the 95-percent confidence interval were \$3.22 per MMBtu and \$6.20 per MMBtu.

Electricity

U.S. Electricity Consumption. Retail sales of electricity to the residential sector during the first three months of 2011 were down 2.6 percent from the first quarter of 2010. According to the National Oceanic and Atmospheric Administration, cooling degree-days during the summer months of June, July, and August will likely be about 14 percent lower than the same period last year. Reduced cooling needs should lead to a 5.3-percent decline in residential electricity consumption during these 3 months compared with the same period last year. With increased electricity sales to the industrial and commercial sectors, EIA expects total consumption of electricity to show very little growth this year ([U.S. Total Electricity Consumption Chart](#)).

U.S. Electricity Generation. Year-over-year changes in fuel shares during the first quarter of 2011 varied widely between different areas of the country. Record levels of hydroelectric generation pushed the share of natural gas-fueled generation in the West Census Region down from 29 percent during the first three months of 2010 to 19 percent this year, which is the smallest first-quarter natural gas fuel share since 2000. In contrast, low marginal costs of natural gas relative to rising coal prices in the eastern United States have pushed up first-quarter natural gas generation in the

Northeast Census Region by nearly 6 percent. EIA expects the natural gas share of generation in the West will gradually rise later this year as the level of hydropower comes down. In addition, generators in the eastern United States will likely continue the trend of substituting natural gas for coal. U.S. electric power sector generation fueled by natural gas should increase by 1.6 percent during 2011 and by 1.2 percent next year ([U.S. Electric Power Sector Generation Growth Chart](#)).

U.S. Electricity Retail Prices. EIA expects the average U.S. residential electricity price to rise from 11.6 cents per kilowatthour in 2010 to 11.9 cents per kilowatthour this year, an increase of 2.9 percent ([U.S. Residential Electricity Prices Chart](#)).

Coal

U.S. Coal Consumption. EIA projects that coal consumption in the electric power sector will fall by 2.5 percent in 2011, as electricity demand remains flat and generation from natural gas and renewable energy sources increases. Forecast coal consumption in the electric power sector grows only 1.6 percent in 2012 ([U.S. Coal Consumption Growth Chart](#)).

U.S. Coal Supply. EIA expects that coal production will fall by 1.2 percent in 2011 despite a significant increase in coal exports. Combined primary and secondary coal inventories fall by almost 13 million short tons (mmst) in 2011 ([U.S. Electric Power Sector Coal Stocks Chart](#)). EIA projects a 1.8-percent increase in coal production for 2012 ([U.S. Annual Coal Production Chart](#)).

U.S. Coal Trade. U.S. coal exports rose by about 50 percent during the first quarter of 2011 compared to 2010. The first quarter export level of 26.6 mmst was the highest quarterly level since 1992. Despite signs of a slowing growth rate, with April 2011 exports 20 percent higher than in April 2010, EIA expects U.S. coal exports, while moderating, to remain elevated in 2011, reaching an annual level of 96 mmst. Forecast U.S. coal exports fall back to recent historical levels (about 83 mmst) in 2012 as supply from other major coal-exporting countries recovers from weather-related disruptions. EIA also expects the strong global demand for coal to continue to suppress coal imports, with imports projected below 19 mmst in both 2011 and 2012. U.S. coal imports averaged about 31 mmst annually from 2004 through 2009.

U.S. Coal Prices. Electric power sector delivered coal prices have been rising relatively steadily over the last 10 years, reflecting longer-term coal contracts initiated during a period of high energy prices, rising transportation costs, and increased consumption. EIA expects that this trend will continue in 2011, but the trend shifts in 2012, with the power sector coal price remaining relatively stable. The projected

power-sector delivered coal price, which averaged \$2.26 per MMBtu in 2010, averages \$2.32 per MMBtu in both 2011 and 2012.

U.S. Carbon Dioxide Emissions

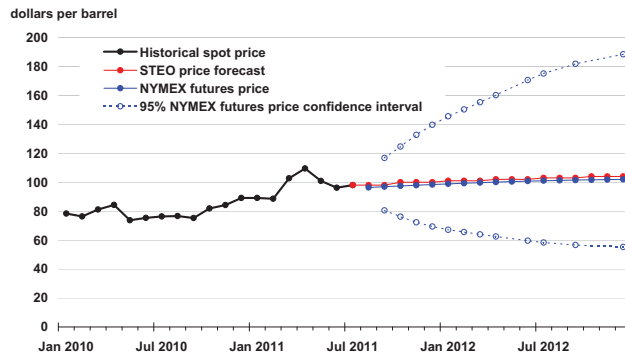
EIA estimates that fossil-fuel CO₂ emissions increased by 3.8 percent in 2010 ([U.S. Carbon Dioxide Emissions Growth Chart](#)). Forecast fossil-fuel CO₂ emissions remain flat in 2011, as emission increases from higher petroleum and natural gas consumption are offset by declines in coal consumption. Increases in hydroelectric generation and other renewable energy forms in 2011 also help to mitigate emissions growth. Expected increases in consumption in 2012 contribute to a 0.9-percent increase in fossil-fuel CO₂ emissions.



Short-Term Energy Outlook

Chart Gallery for July 2011

West Texas Intermediate (WTI) Crude Oil Price

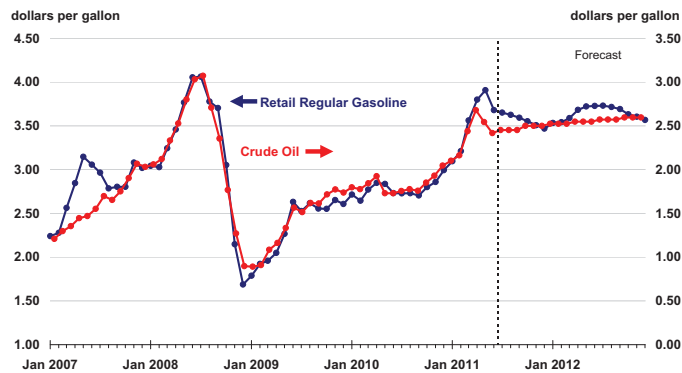


Note: Confidence interval derived from options market information for the 5 trading days ending July 7, 2011
Intervals not calculated for months with sparse trading in "near-the-money" options contracts

Source: Short-Term Energy Outlook, July 2011



U.S. Gasoline and Crude Oil Prices

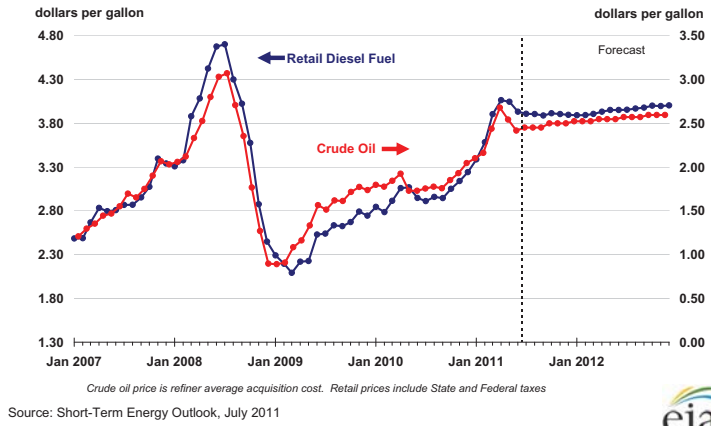


Crude oil price is refiner average acquisition cost. Retail prices include State and Federal taxes

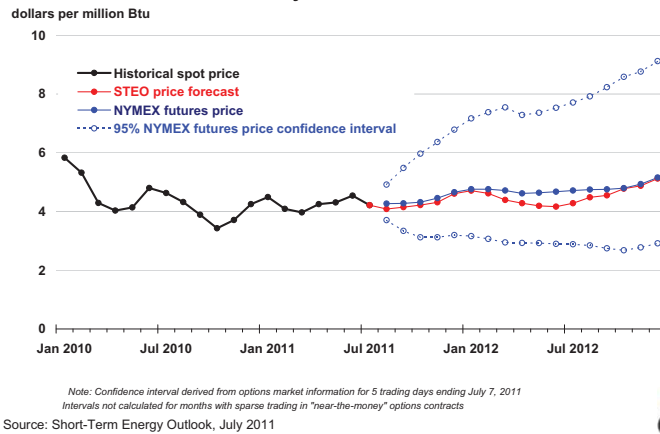
Source: Short-Term Energy Outlook, July 2011



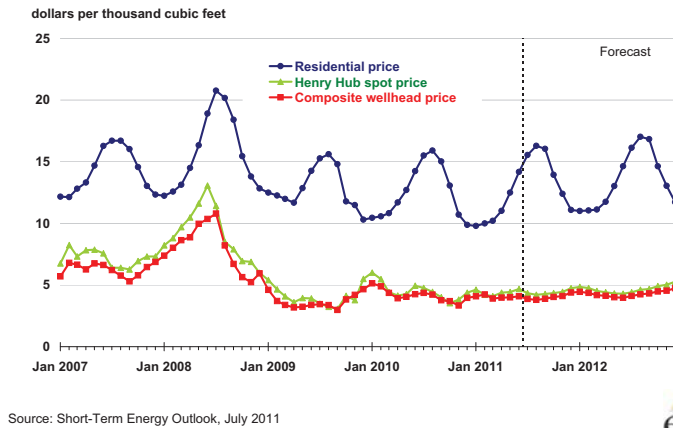
U.S. Diesel Fuel and Crude Oil Prices

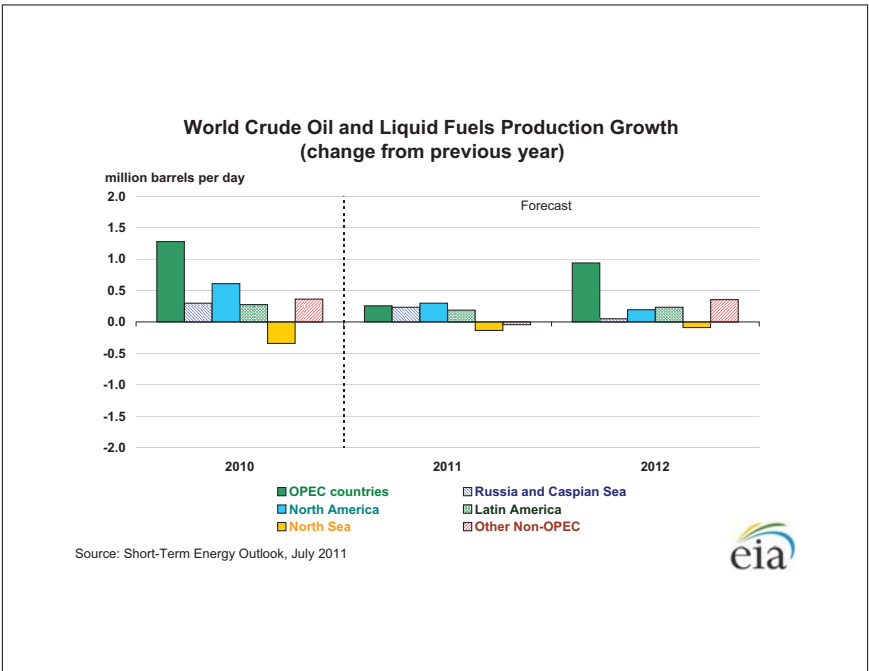
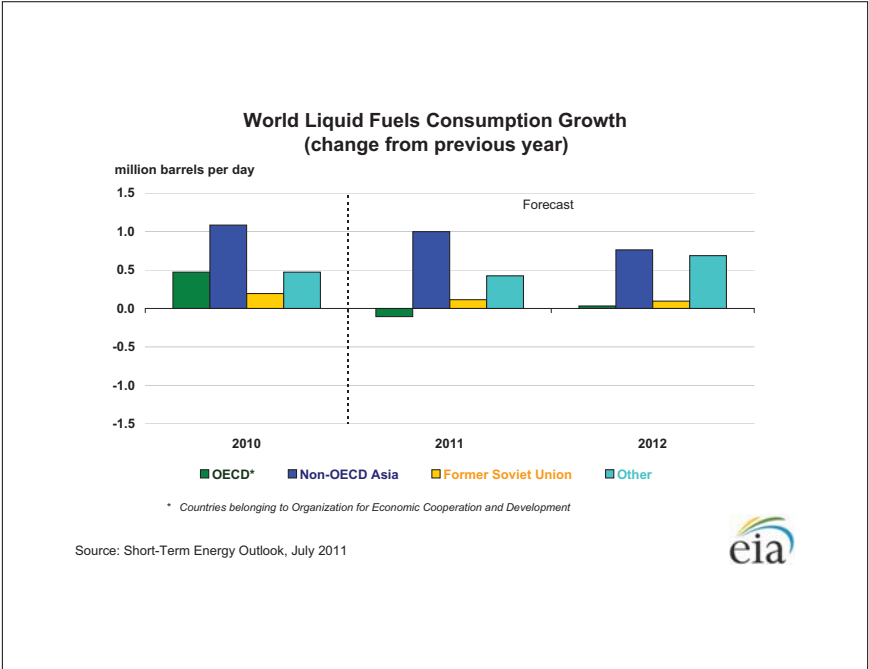
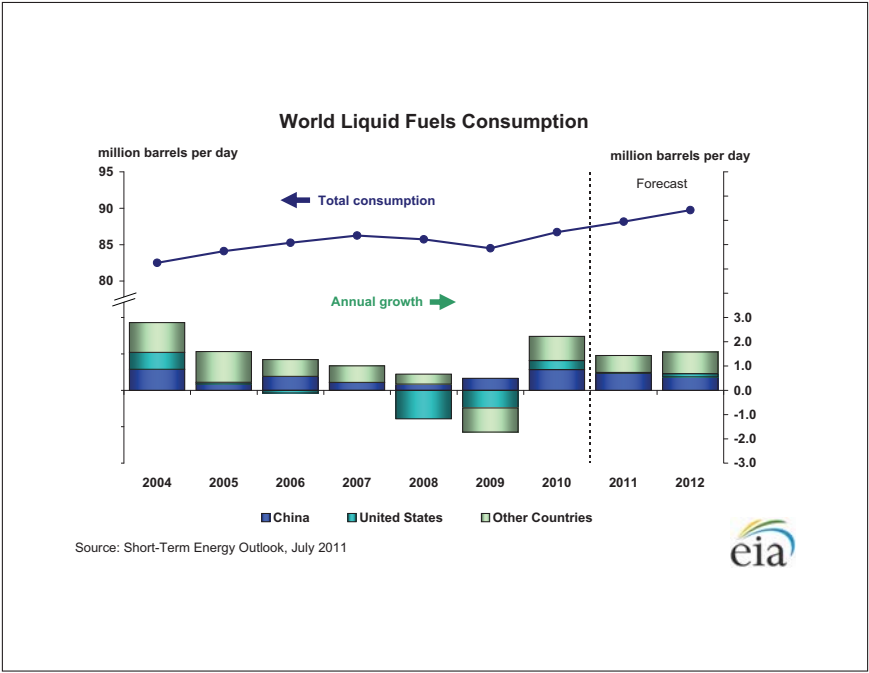


Henry Hub Natural Gas Price

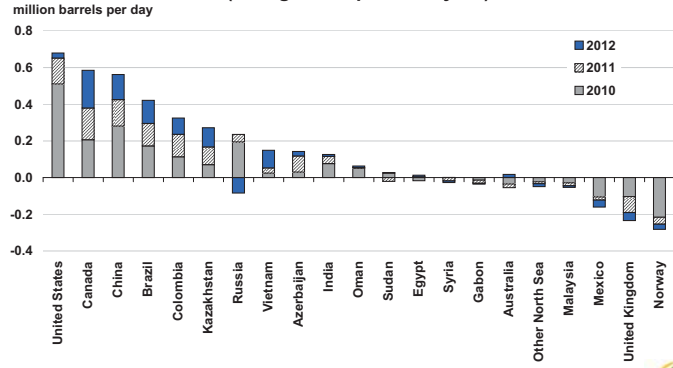


Natural Gas Prices





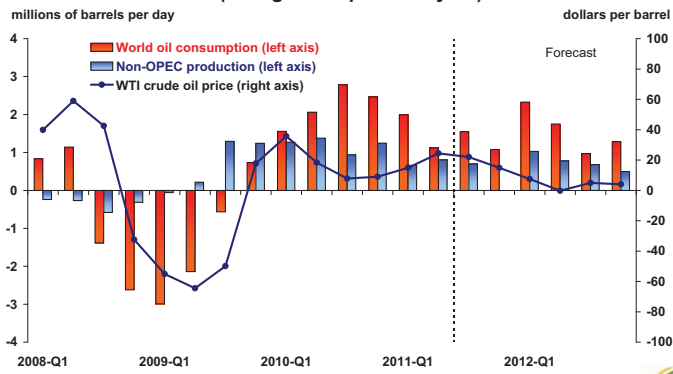
Non-OPEC Crude Oil and Liquid Fuels Production Growth (change from previous year)



Source: Short-Term Energy Outlook, July 2011



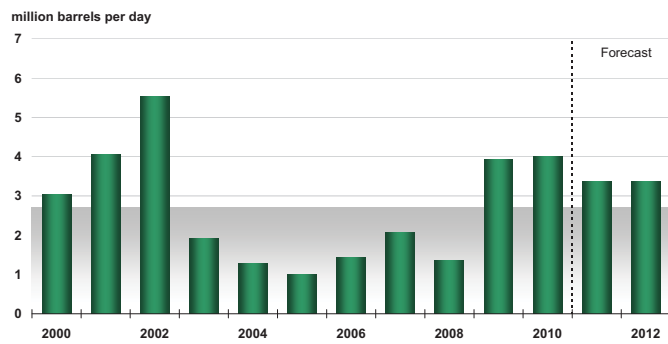
World Consumption and Non-OPEC Production (change from previous year)



Source: Short-Term Energy Outlook, July 2011



OPEC Surplus Crude Oil Production Capacity

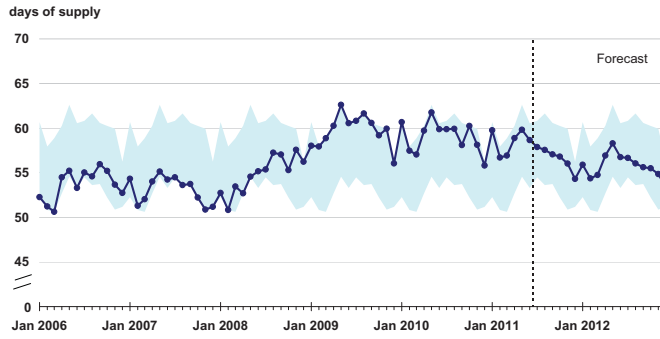


Note: Shaded area represents 2000-2010 average (2.7 million barrels per day)

Source: Short-Term Energy Outlook, July 2011



OECD Commercial Oil Stocks

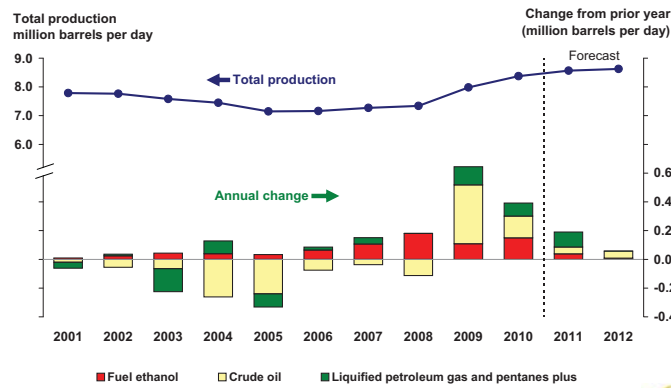


Note: Colored band represents the range between the minimum and maximum observed inventories from Jan. 2006 - Dec. 2010.

Source: Short-Term Energy Outlook, July 2011



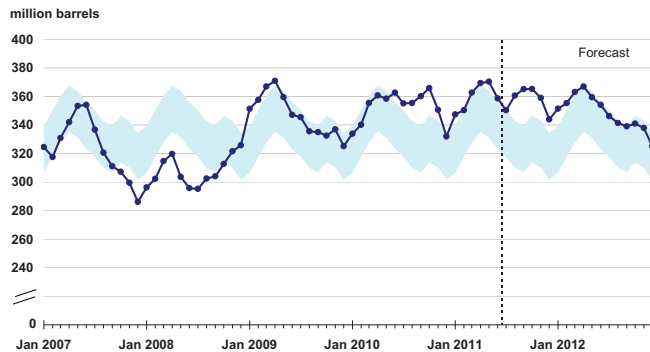
U.S. Crude Oil and Liquid Fuels Production



Source: Short-Term Energy Outlook, July 2011



U.S. Crude Oil Stocks

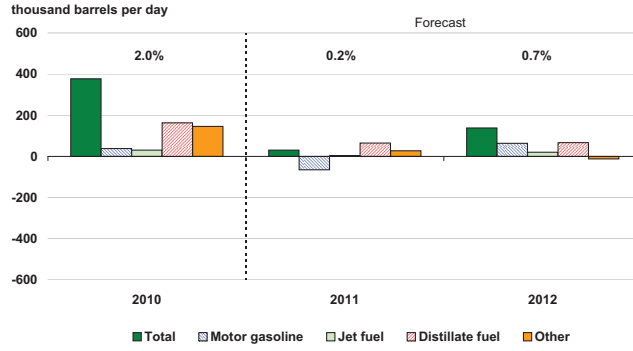


Note: Colored bands represent "normal" range published in EIA Weekly Petroleum Status Report, Appendix A.

Source: Short-Term Energy Outlook, July 2011



U.S. Liquid Fuels Consumption Growth (change from previous year)

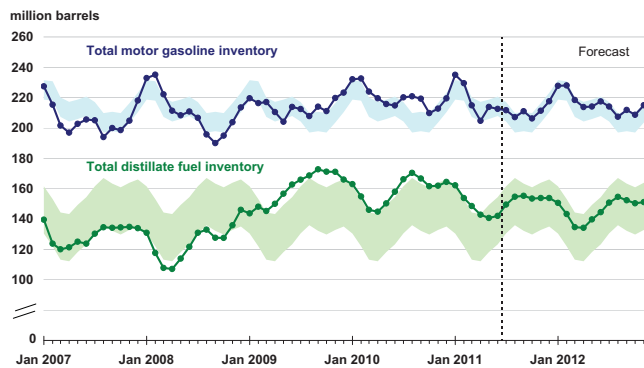


Note: Percent change labels refer to total petroleum products growth

Source: Short-Term Energy Outlook, July 2011



U.S. Gasoline and Distillate Inventories

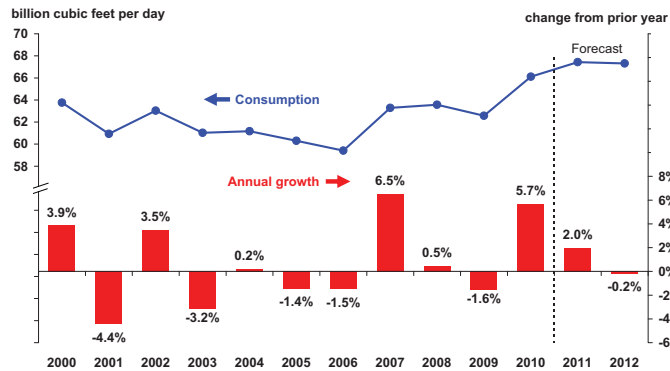


Note: Colored bands represent "normal" range published in EIA Weekly Petroleum Status Report, Appendix A.

Source: Short-Term Energy Outlook, July 2011



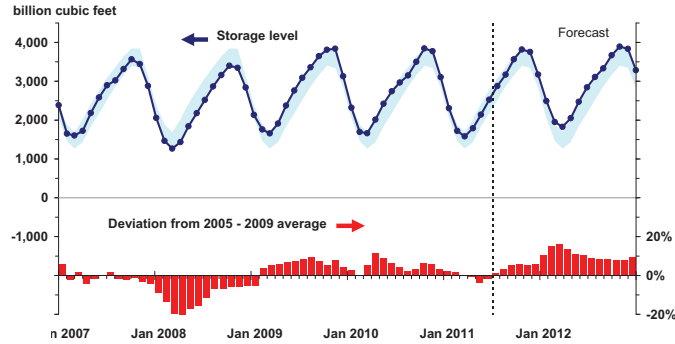
U.S. Total Natural Gas Consumption



Source: Short-Term Energy Outlook, July 2011



U.S. Working Natural Gas in Storage

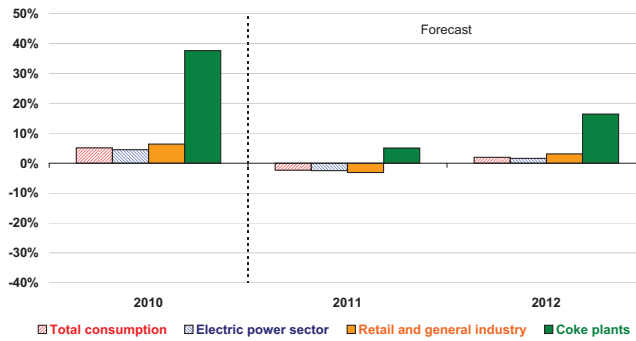


Note: Colored band around storage levels represents the range between the minimum and maximum from Jan. 2006 - Dec. 2010

Source: Short-Term Energy Outlook, July 2011



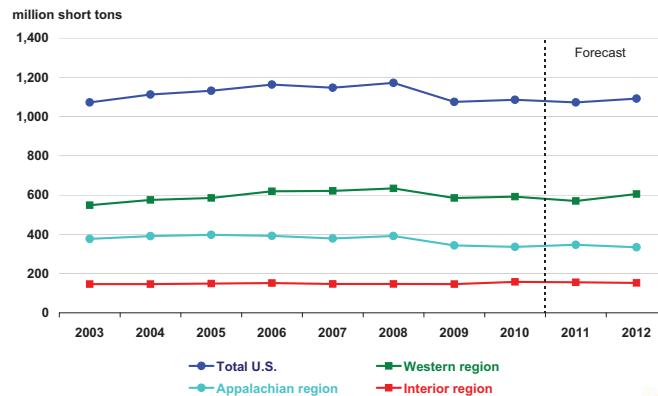
U.S. Coal Consumption Growth (change from previous year)



Source: Short-Term Energy Outlook, July 2011



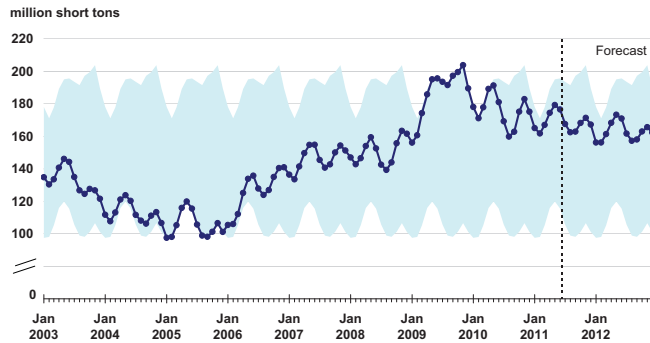
U.S. Annual Coal Production



Source: Short-Term Energy Outlook, July 2011



U.S. Electric Power Coal Stocks

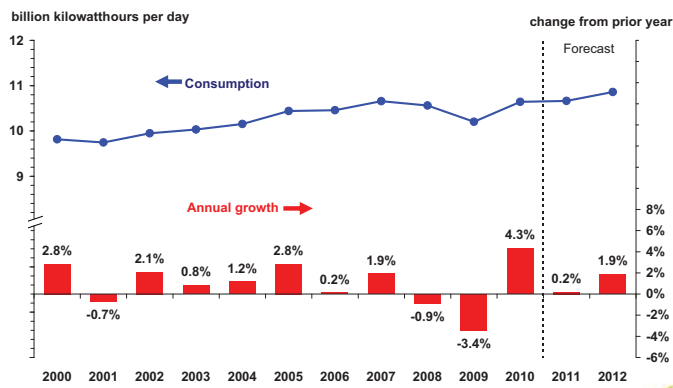


Note: Colored bands represent "normal" range published in EIA Weekly Petroleum Status Report, Appendix A.

Source: Short-Term Energy Outlook, July 2011



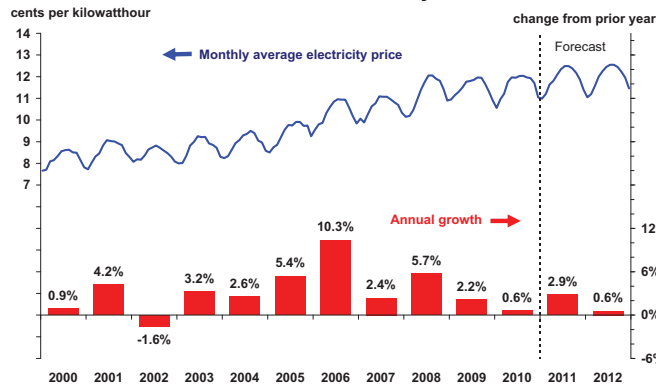
U.S. Total Electricity Consumption



Source: Short-Term Energy Outlook, July 2011



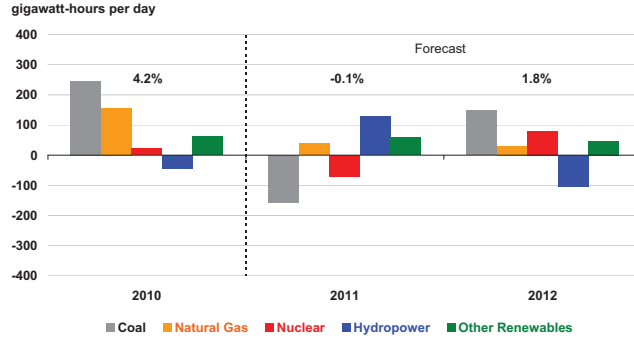
U.S. Residential Electricity Price



Source: Short-Term Energy Outlook, July 2011



U.S. Electric Power Sector Generation Growth (change from previous year)

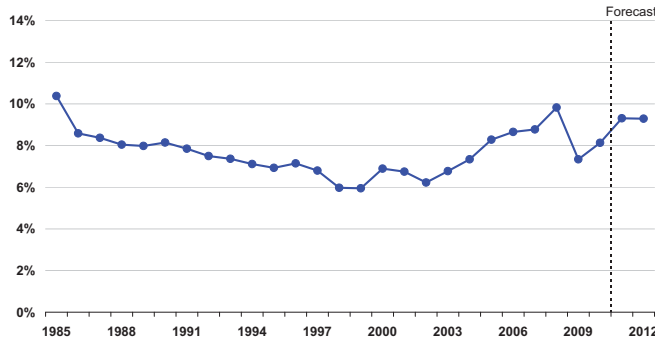


Note: Percent change labels refer to growth in total generation. Not all generation sources are shown.

Source: Short-Term Energy Outlook, July 2011



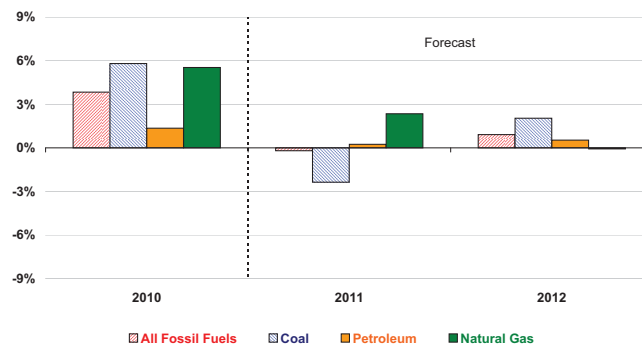
U.S. Annual Energy Expenditures Share of Gross Domestic Product



Source: Short-Term Energy Outlook, July 2011



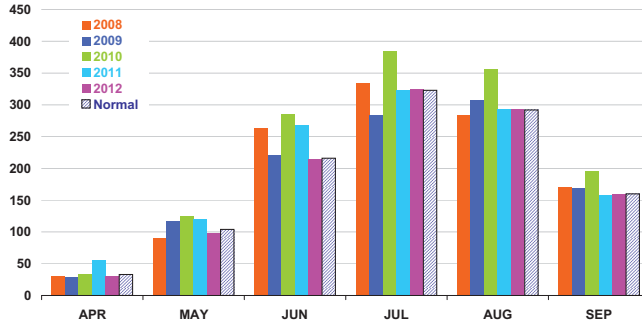
U.S. Carbon Dioxide Emissions Growth (change from previous year)



Source: Short-Term Energy Outlook, July 2011



U.S. Summer Cooling Degree-Days (population-weighted)

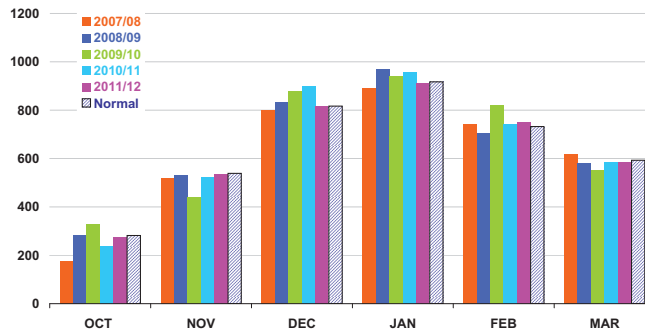


Data source: National Oceanic and Atmospheric Administration, National Weather Service
http://www.cpc.ncep.noaa.gov/products/analysis_monitoring/cdus/degree_days/

Source: Short-Term Energy Outlook, July 2011



U.S. Winter Heating Degree-Days (population-weighted)

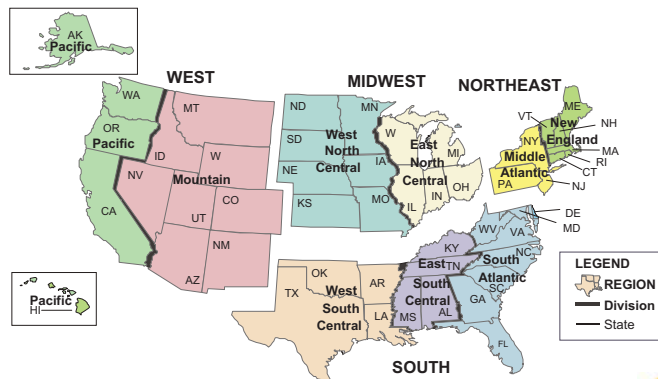


Data source: National Oceanic and Atmospheric Administration, National Weather Service
http://www.cpc.ncep.noaa.gov/products/analysis_monitoring/cdus/degree_days/

Source: Short-Term Energy Outlook, July 2011



U.S. Census Regions and Census Divisions



Source: Short-Term Energy Outlook, July 2011



Table SF01. U.S. Motor Gasoline Summer Outlook

Energy Information Administration/Short-Term Energy Outlook -- July 2011

| | 2010 | | | 2011 | | | Year-over-year Change (percent) | | |
|---|---------------|---------------|---------------|---------------|---------------|---------------|------------------------------------|-------------|-------------|
| | Q2 | Q3 | Season | Q2 | Q3 | Season | Q2 | Q3 | Season |
| Nominal Prices (dollars per gallon) | | | | | | | | | |
| WTI Crude Oil (Spot) ^a | 1.85 | 1.81 | 1.83 | <i>2.43</i> | <i>2.33</i> | <i>2.38</i> | <i>31.4</i> | <i>28.9</i> | <i>30.1</i> |
| Imported Crude Oil Price ^b | 1.77 | 1.75 | 1.76 | <i>2.55</i> | <i>2.45</i> | <i>2.50</i> | <i>43.9</i> | <i>40.5</i> | <i>42.1</i> |
| U.S. Refiner Average Crude Oil Cost | 1.79 | 1.76 | 1.78 | <i>2.54</i> | <i>2.45</i> | <i>2.50</i> | <i>41.8</i> | <i>39.1</i> | <i>40.4</i> |
| Wholesale Gasoline Price ^c | 2.18 | 2.10 | 2.14 | <i>3.05</i> | <i>2.94</i> | <i>2.99</i> | <i>40.3</i> | <i>39.9</i> | <i>40.1</i> |
| Wholesale Diesel Fuel Price ^c | 2.20 | 2.15 | 2.17 | <i>3.16</i> | <i>3.08</i> | <i>3.12</i> | <i>43.8</i> | <i>43.4</i> | <i>43.7</i> |
| Regular Gasoline Retail Price ^d | 2.81 | 2.72 | 2.76 | <i>3.80</i> | <i>3.62</i> | <i>3.71</i> | <i>35.3</i> | <i>33.1</i> | <i>34.2</i> |
| Diesel Fuel Retail Price ^d | 3.03 | 2.94 | 2.98 | <i>4.02</i> | <i>3.90</i> | <i>3.96</i> | <i>32.8</i> | <i>32.7</i> | <i>32.7</i> |
| Gasoline Consumption/Supply (million barrels per day) | | | | | | | | | |
| Total Consumption | 9.201 | 9.288 | 9.245 | <i>8.994</i> | <i>9.270</i> | <i>9.133</i> | <i>-2.3</i> | <i>-0.2</i> | <i>-1.2</i> |
| Total Refinery and Blender Output ^e | 7.604 | 7.699 | 7.652 | <i>7.530</i> | <i>7.695</i> | <i>7.613</i> | <i>-1.0</i> | <i>-0.1</i> | <i>-0.5</i> |
| Fuel Ethanol Blending | 0.858 | 0.879 | 0.868 | <i>0.863</i> | <i>0.857</i> | <i>0.860</i> | <i>0.7</i> | <i>-2.5</i> | <i>-0.9</i> |
| Total Stock Withdrawal ^f | 0.101 | -0.049 | 0.026 | <i>0.026</i> | <i>0.017</i> | <i>0.021</i> | | | |
| Net Imports ^f | 0.639 | 0.759 | 0.700 | <i>0.575</i> | <i>0.701</i> | <i>0.638</i> | <i>-10.0</i> | <i>-7.7</i> | <i>-8.8</i> |
| Refinery Utilization (percent) | 89.0 | 88.8 | 88.9 | <i>85.3</i> | <i>87.9</i> | <i>86.6</i> | | | |
| Gasoline Stocks, Including Blending Components (million barrels) | | | | | | | | | |
| Beginning | 224.0 | 214.8 | 224.0 | <i>214.9</i> | <i>212.5</i> | <i>214.9</i> | | | |
| Ending | 214.8 | 219.3 | 219.3 | <i>212.5</i> | <i>211.0</i> | <i>211.0</i> | | | |
| Economic Indicators (annualized billion 2000 dollars) | | | | | | | | | |
| Real GDP | 13,195 | 13,279 | 13,237 | <i>13,510</i> | <i>13,636</i> | <i>13,573</i> | <i>2.4</i> | <i>2.7</i> | <i>2.5</i> |
| Real Income | 10,252 | 10,277 | 10,264 | <i>10,342</i> | <i>10,403</i> | <i>10,372</i> | <i>0.9</i> | <i>1.2</i> | <i>1.1</i> |

^a Spot Price of West Texas Intermediate (WTI) crude oil.^b Cost of imported crude oil to U.S. refiners.^c Price product sold by refiners to resellers.^d Average pump price including taxes.^e Refinery and blender net production plus finished motor gasoline adjustment.^f Total stock withdrawal and net imports includes both finished gasoline and gasoline blend components.

GDP = gross domestic product.

Notes: Minor discrepancies with other Energy Information Administration (EIA) published historical data are due to rounding. Historical data are printed in bold. Forecasts are in italic. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.

Sources: Historical data: latest data available from: EIA *Petroleum Supply Monthly*, DOE/EIA-0109; Monthly Energy Review, DOE/EIA-0035; U.S. Department of Commerce, Bureau of Economic Analysis (GDP and income); Reuters News Service (WTI crude oil spotprice). Macroeconomic projections are based on IHS Global Insight Macroeconomic Forecast Model.

Table 1. U.S. Energy Markets Summary

Energy Information Administration/Short-Term Energy Outlook - July 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|--|---------------|---------------|---------------|---------------|---------------|--------|--------|--------|--------|--------|--------|--------|---------------|--------|--------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| Energy Supply | | | | | | | | | | | | | | | |
| Crude Oil Production (a) (million barrels per day) | 5.47 | 5.48 | 5.49 | 5.61 | 5.57 | 5.55 | 5.44 | 5.68 | 5.69 | 5.63 | 5.55 | 5.57 | 5.51 | 5.56 | 5.61 |
| Dry Natural Gas Production (billion cubic feet per day) | 57.93 | 58.56 | 59.28 | 60.66 | 61.05 | 62.99 | 62.91 | 63.07 | 63.09 | 62.89 | 62.89 | 63.34 | 59.12 | 62.51 | 63.05 |
| Coal Production (million short tons) | 265 | 265 | 278 | 277 | 271 | 256 | 273 | 272 | 281 | 264 | 274 | 273 | 1,085 | 1,072 | 1,091 |
| Energy Consumption | | | | | | | | | | | | | | | |
| Liquid Fuels (million barrels per day) | 18.82 | 19.01 | 19.49 | 19.26 | 19.09 | 18.82 | 19.43 | 19.37 | 19.20 | 19.14 | 19.49 | 19.43 | 19.15 | 19.18 | 19.32 |
| Natural Gas (billion cubic feet per day) | 83.41 | 54.42 | 57.93 | 68.95 | 83.91 | 56.68 | 57.85 | 71.53 | 82.90 | 56.01 | 58.75 | 71.64 | 66.12 | 67.43 | 67.32 |
| Coal (b) (million short tons) | 265 | 247 | 286 | 250 | 254 | 242 | 273 | 254 | 272 | 239 | 277 | 255 | 1,048 | 1,024 | 1,044 |
| Electricity (billion kilowatt hours per day) | 10.61 | 10.02 | 12.01 | 9.92 | 10.60 | 10.16 | 11.80 | 10.08 | 10.86 | 10.29 | 12.01 | 10.29 | 10.64 | 10.66 | 10.86 |
| Renewables (c) (quadrillion Btu) | 1.77 | 1.95 | 1.80 | 1.84 | 2.04 | 2.28 | 2.00 | 1.91 | 2.05 | 2.19 | 2.00 | 2.01 | 7.36 | 8.23 | 8.25 |
| Total Energy Consumption (d) (quadrillion Btu) | 25.75 | 22.95 | 24.63 | 25.03 | 25.97 | 23.50 | 24.50 | 25.09 | 26.47 | 23.48 | 24.75 | 25.32 | 98.37 | 99.06 | 100.01 |
| Energy Prices | | | | | | | | | | | | | | | |
| Crude Oil (e) (dollars per barrel) | 75.89 | 75.34 | 74.05 | 81.70 | 93.98 | 106.84 | 103.00 | 105.00 | 106.00 | 107.00 | 108.00 | 109.00 | 76.72 | 102.29 | 107.51 |
| Natural Gas Wellhead (dollars per thousand cubic feet) | 4.79 | 4.07 | 4.11 | 3.67 | 4.06 | 4.02 | 3.85 | 4.18 | 4.33 | 4.03 | 4.22 | 4.59 | 4.15 | 4.03 | 4.29 |
| Coal (dollars per million Btu) | 2.26 | 2.26 | 2.28 | 2.25 | 2.35 | 2.36 | 2.32 | 2.27 | 2.35 | 2.33 | 2.31 | 2.27 | 2.26 | 2.32 | 2.32 |
| Macroeconomic | | | | | | | | | | | | | | | |
| Real Gross Domestic Product (billion chained 2005 dollars - SAAR) | 13,139 | 13,195 | 13,279 | 13,381 | 13,442 | 13,510 | 13,636 | 13,741 | 13,821 | 13,891 | 13,975 | 14,081 | 13,248 | 13,582 | 13,942 |
| Percent change from prior year | 2.4 | 3.0 | 3.2 | 2.8 | 2.3 | 2.4 | 2.7 | 2.7 | 2.8 | 2.8 | 2.5 | 2.5 | 2.9 | 2.5 | 2.6 |
| GDP Implicit Price Deflator (Index, 2005=100) | 110.0 | 110.5 | 111.1 | 111.2 | 111.7 | 112.5 | 113.1 | 113.2 | 113.6 | 113.8 | 114.3 | 114.9 | 110.7 | 112.6 | 114.1 |
| Percent change from prior year | 0.5 | 0.8 | 1.2 | 1.3 | 1.6 | 1.8 | 1.8 | 1.9 | 1.7 | 1.2 | 1.1 | 1.4 | 1.0 | 1.8 | 1.4 |
| Real Disposable Personal Income (billion chained 2005 dollars - SAAR) | 10,113 | 10,252 | 10,277 | 10,305 | 10,326 | 10,342 | 10,403 | 10,467 | 10,435 | 10,514 | 10,550 | 10,592 | 10,237 | 10,384 | 10,523 |
| Percent change from prior year | 0.7 | 0.6 | 2.0 | 2.2 | 2.1 | 0.9 | 1.2 | 1.6 | 1.0 | 1.7 | 1.4 | 1.2 | 1.4 | 1.4 | 1.3 |
| Manufacturing Production Index (Index, 2007=100) | 85.0 | 86.9 | 88.1 | 89.0 | 90.6 | 91.0 | 92.8 | 94.2 | 95.3 | 95.9 | 96.7 | 97.6 | 87.3 | 92.2 | 96.4 |
| Percent change from prior year | 2.2 | 7.5 | 7.2 | 6.6 | 6.6 | 4.7 | 5.3 | 5.9 | 5.1 | 5.3 | 4.2 | 3.5 | 5.8 | 5.6 | 4.5 |
| Weather | | | | | | | | | | | | | | | |
| U.S. Heating Degree-Days | 2,311 | 422 | 68 | 1,659 | 2,285 | 515 | 99 | 1,627 | 2,243 | 537 | 97 | 1,618 | 4,460 | 4,526 | 4,495 |
| U.S. Cooling Degree-Days | 12 | 445 | 937 | 73 | 33 | 444 | 776 | 78 | 35 | 345 | 779 | 83 | 1,467 | 1,331 | 1,242 |

- = no data available

Prices are not adjusted for inflation.

(a) Includes lease condensate.

(b) Total consumption includes Independent Power Producer (IPP) consumption.

(c) Renewable energy includes minor components of non-marketed renewable energy that is neither bought nor sold, either directly or indirectly, as inputs to marketed energy.

EIA does not estimate or project end-use consumption of non-marketed renewable energy.

(d) The conversion from physical units to Btu is calculated using a subset of conversion factors used in the calculations of gross energy consumption in EIA's Monthly Energy Review (MER). Consequently, the historical data may not precisely match those published in the MER or the Annual Energy Review (AER).

(e) Refers to the refiner average acquisition cost (RAC) of crude oil.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Petroleum Supply Monthly*, DOE/EIA-0109;

Petroleum Supply Annual, DOE/EIA-0340/2; *Weekly Petroleum Status Report*, DOE/EIA-0208; *Petroleum Marketing Monthly*, DOE/EIA-0380; *Natural Gas Monthly*, DOE/EIA-0130;

Electric Power Monthly, DOE/EIA-0226; *Quarterly Coal Report*, DOE/EIA-0121; and *International Petroleum Monthly*, DOE/EIA-0520.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model. Macroeconomic projections are based on Global Insight Model of the U.S. Economy.

Weather projections from National Oceanic and Atmospheric Administration.

Table 2. U.S. Energy Prices

Energy Information Administration/Short-Term Energy Outlook - July 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|--|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|---------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| Crude Oil (dollars per barrel) | | | | | | | | | | | | | | | |
| West Texas Intermediate Spot Average | 78.64 | 77.79 | 76.05 | 85.10 | 93.50 | <i>102.22</i> | <i>98.00</i> | <i>100.00</i> | <i>101.00</i> | <i>102.00</i> | <i>103.00</i> | <i>104.00</i> | 79.40 | <i>98.43</i> | <i>102.50</i> |
| Imported Average | 75.28 | 74.33 | 73.32 | 81.03 | 94.23 | <i>106.97</i> | <i>103.00</i> | <i>105.00</i> | <i>106.00</i> | <i>107.00</i> | <i>108.00</i> | <i>109.00</i> | 75.87 | <i>102.38</i> | <i>107.50</i> |
| Refiner Average Acquisition Cost | 75.89 | 75.34 | 74.05 | 81.70 | 93.98 | <i>106.84</i> | <i>103.00</i> | <i>105.00</i> | <i>106.00</i> | <i>107.00</i> | <i>108.00</i> | <i>109.00</i> | 76.72 | <i>102.29</i> | <i>107.51</i> |
| Liquid Fuels (cents per gallon) | | | | | | | | | | | | | | | |
| Refiner Prices for Resale | | | | | | | | | | | | | | | |
| Gasoline | 211 | 218 | 210 | 227 | 267 | <i>305</i> | <i>294</i> | <i>286</i> | <i>290</i> | <i>304</i> | <i>303</i> | <i>294</i> | 217 | <i>288</i> | <i>298</i> |
| Diesel Fuel | 209 | 220 | 215 | 240 | 286 | <i>316</i> | <i>308</i> | <i>309</i> | <i>305</i> | <i>309</i> | <i>312</i> | <i>316</i> | 221 | <i>305</i> | <i>311</i> |
| Heating Oil | 205 | 212 | 204 | 234 | 275 | <i>307</i> | <i>299</i> | <i>304</i> | <i>303</i> | <i>304</i> | <i>306</i> | <i>313</i> | 215 | <i>293</i> | <i>306</i> |
| Refiner Prices to End Users | | | | | | | | | | | | | | | |
| Jet Fuel | 210 | 219 | 214 | 238 | 287 | <i>318</i> | <i>307</i> | <i>308</i> | <i>306</i> | <i>307</i> | <i>311</i> | <i>315</i> | 220 | <i>305</i> | <i>310</i> |
| No. 6 Residual Fuel Oil (a) | 172 | 170 | 166 | 182 | 218 | <i>243</i> | <i>239</i> | <i>242</i> | <i>242</i> | <i>242</i> | <i>245</i> | <i>251</i> | 173 | <i>235</i> | <i>245</i> |
| Retail Prices Including Taxes | | | | | | | | | | | | | | | |
| Gasoline Regular Grade (b) | 271 | 281 | 272 | 288 | 329 | <i>380</i> | <i>362</i> | <i>351</i> | <i>355</i> | <i>371</i> | <i>371</i> | <i>360</i> | 278 | <i>356</i> | <i>365</i> |
| Gasoline All Grades (b) | 277 | 286 | 277 | 294 | 335 | <i>385</i> | <i>368</i> | <i>357</i> | <i>361</i> | <i>377</i> | <i>377</i> | <i>366</i> | 283 | <i>361</i> | <i>370</i> |
| On-highway Diesel Fuel | 285 | 303 | 294 | 315 | 363 | <i>402</i> | <i>390</i> | <i>391</i> | <i>390</i> | <i>395</i> | <i>397</i> | <i>400</i> | 299 | <i>386</i> | <i>395</i> |
| Heating Oil | 292 | 292 | 282 | 310 | 359 | <i>393</i> | <i>385</i> | <i>396</i> | <i>402</i> | <i>400</i> | <i>398</i> | <i>410</i> | 297 | <i>376</i> | <i>404</i> |
| Natural Gas | | | | | | | | | | | | | | | |
| Average Wellhead (dollars per thousand cubic feet) | 4.79 | 4.07 | 4.11 | 3.67 | 4.06 | <i>4.02</i> | <i>3.85</i> | <i>4.18</i> | <i>4.33</i> | <i>4.03</i> | <i>4.22</i> | <i>4.59</i> | 4.15 | <i>4.03</i> | <i>4.29</i> |
| Henry Hub Spot (dollars per thousand cubic feet) | 5.30 | 4.45 | 4.41 | 3.91 | 4.31 | <i>4.50</i> | <i>4.27</i> | <i>4.51</i> | <i>4.71</i> | <i>4.34</i> | <i>4.57</i> | <i>5.07</i> | 4.52 | <i>4.40</i> | <i>4.67</i> |
| Henry Hub Spot (dollars per Million Btu) | 5.15 | 4.32 | 4.28 | 3.80 | 4.18 | <i>4.37</i> | <i>4.15</i> | <i>4.38</i> | <i>4.57</i> | <i>4.21</i> | <i>4.44</i> | <i>4.92</i> | 4.39 | <i>4.27</i> | <i>4.54</i> |
| End-Use Prices (dollars per thousand cubic feet) | | | | | | | | | | | | | | | |
| Industrial Sector | 6.51 | 4.98 | 5.07 | 4.89 | 5.40 | <i>5.24</i> | <i>5.36</i> | <i>5.80</i> | <i>6.17</i> | <i>5.37</i> | <i>5.49</i> | <i>6.22</i> | 5.40 | <i>5.46</i> | <i>5.83</i> |
| Commercial Sector | 9.30 | 9.25 | 9.63 | 8.66 | 8.74 | <i>9.13</i> | <i>9.62</i> | <i>9.76</i> | <i>9.65</i> | <i>9.67</i> | <i>10.16</i> | <i>10.26</i> | 9.14 | <i>9.22</i> | <i>9.90</i> |
| Residential Sector | 10.59 | 12.54 | 15.47 | 10.56 | 9.97 | <i>12.02</i> | <i>15.96</i> | <i>12.01</i> | <i>11.05</i> | <i>12.63</i> | <i>16.66</i> | <i>12.66</i> | 11.18 | <i>11.31</i> | <i>12.18</i> |
| Electricity | | | | | | | | | | | | | | | |
| Power Generation Fuel Costs (dollars per million Btu) | | | | | | | | | | | | | | | |
| Coal | 2.26 | 2.26 | 2.28 | 2.25 | 2.35 | <i>2.36</i> | <i>2.32</i> | <i>2.27</i> | <i>2.35</i> | <i>2.33</i> | <i>2.31</i> | <i>2.27</i> | 2.26 | <i>2.32</i> | <i>2.32</i> |
| Natural Gas | 6.06 | 4.89 | 4.88 | 4.69 | 5.05 | <i>4.93</i> | <i>4.96</i> | <i>5.21</i> | <i>5.48</i> | <i>5.07</i> | <i>5.30</i> | <i>5.65</i> | 5.08 | <i>5.03</i> | <i>5.36</i> |
| Residual Fuel Oil (c) | 12.10 | 12.36 | 12.36 | 14.19 | 15.88 | <i>18.18</i> | <i>18.11</i> | <i>18.24</i> | <i>18.52</i> | <i>18.75</i> | <i>18.82</i> | <i>18.92</i> | 12.63 | <i>17.74</i> | <i>18.76</i> |
| Distillate Fuel Oil | 15.84 | 16.48 | 16.18 | 17.94 | 20.99 | <i>23.49</i> | <i>23.17</i> | <i>23.39</i> | <i>23.24</i> | <i>23.33</i> | <i>23.63</i> | <i>24.04</i> | 16.60 | <i>22.73</i> | <i>23.58</i> |
| End-Use Prices (cents per kilowatthour) | | | | | | | | | | | | | | | |
| Industrial Sector | 6.53 | 6.75 | 7.17 | 6.67 | 6.68 | <i>6.83</i> | <i>7.26</i> | <i>6.77</i> | <i>6.66</i> | <i>6.85</i> | <i>7.29</i> | <i>6.80</i> | 6.79 | <i>6.89</i> | <i>6.91</i> |
| Commercial Sector | 9.87 | 10.30 | 10.71 | 10.06 | 10.01 | <i>10.47</i> | <i>11.01</i> | <i>10.32</i> | <i>10.12</i> | <i>10.56</i> | <i>11.08</i> | <i>10.39</i> | 10.26 | <i>10.48</i> | <i>10.56</i> |
| Residential Sector | 10.88 | 11.90 | 12.02 | 11.50 | 11.24 | <i>12.10</i> | <i>12.46</i> | <i>11.79</i> | <i>11.26</i> | <i>12.26</i> | <i>12.52</i> | <i>11.85</i> | 11.58 | <i>11.91</i> | <i>11.97</i> |

- = no data available

Prices are not adjusted for inflation.

(a) Average for all sulfur contents.

(b) Average self-service cash price.

(c) Includes fuel oils No. 4, No. 5, No. 6, and topped crude.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Prices exclude taxes unless otherwise noted

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Petroleum Marketing Monthly*, DOE/EIA-0380;

Weekly Petroleum Status Report, DOE/EIA-0208; *Natural Gas Monthly*, DOE/EIA-0130; *Electric Power Monthly*, DOE/EIA-0226; and *Monthly Energy Review*, DOE/EIA-0035.

 Natural gas Henry Hub and WTI crude oil spot prices from Reuter's News Service (<http://www.reuters.com>).

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 3a. International Crude Oil and Liquid Fuels Supply, Consumption, and Inventories
Energy Information Administration/Short-Term Energy Outlook - July 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|--|--------------|--------------|--------------|--------------|--------------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|-------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| Supply (million barrels per day) (a) | | | | | | | | | | | | | | | |
| OECD | 21.44 | 21.30 | 20.97 | 21.84 | 21.48 | 21.52 | 21.36 | 21.69 | 21.88 | 21.68 | 21.43 | 21.54 | 21.39 | 21.52 | 21.63 |
| U.S. (50 States) | 9.46 | 9.56 | 9.67 | 9.91 | 9.77 | 9.79 | 9.68 | 9.93 | 9.87 | 9.83 | 9.78 | 9.80 | 9.65 | 9.79 | 9.82 |
| Canada | 3.45 | 3.58 | 3.55 | 3.77 | 3.74 | 3.75 | 3.73 | 3.82 | 3.92 | 3.95 | 3.98 | 4.02 | 3.59 | 3.76 | 3.97 |
| Mexico | 2.95 | 2.87 | 2.87 | 2.89 | 2.91 | 2.92 | 2.86 | 2.83 | 2.87 | 2.85 | 2.83 | 2.81 | 2.90 | 2.88 | 2.84 |
| North Sea (b) | 4.08 | 3.74 | 3.36 | 3.76 | 3.61 | 3.58 | 3.57 | 3.62 | 3.71 | 3.56 | 3.33 | 3.43 | 3.73 | 3.60 | 3.51 |
| Other OECD | 1.51 | 1.55 | 1.53 | 1.50 | 1.45 | 1.49 | 1.52 | 1.48 | 1.50 | 1.49 | 1.51 | 1.48 | 1.52 | 1.48 | 1.50 |
| Non-OECD | 64.55 | 65.33 | 66.22 | 65.94 | 65.99 | 66.08 | 66.50 | 66.17 | 67.30 | 67.63 | 67.78 | 68.28 | 65.51 | 66.19 | 67.75 |
| OPEC | 34.51 | 35.02 | 35.71 | 35.35 | 35.32 | 35.19 | 35.69 | 35.44 | 36.00 | 36.13 | 36.36 | 36.90 | 35.15 | 35.41 | 36.35 |
| Crude Oil Portion | 29.40 | 29.65 | 30.15 | 29.85 | 29.78 | 29.17 | 29.61 | 29.32 | 29.75 | 29.83 | 30.01 | 30.53 | 29.77 | 29.47 | 30.03 |
| Other Liquids | 5.11 | 5.37 | 5.57 | 5.49 | 5.54 | 6.01 | 6.09 | 6.11 | 6.25 | 6.30 | 6.35 | 6.37 | 5.39 | 5.94 | 6.32 |
| Former Soviet Union | 13.11 | 13.15 | 13.18 | 13.23 | 13.28 | 13.51 | 13.41 | 13.37 | 13.61 | 13.52 | 13.37 | 13.24 | 13.17 | 13.39 | 13.43 |
| China | 4.16 | 4.23 | 4.31 | 4.39 | 4.36 | 4.42 | 4.43 | 4.45 | 4.51 | 4.56 | 4.57 | 4.58 | 4.27 | 4.42 | 4.55 |
| Other Non-OECD | 12.78 | 12.92 | 13.01 | 12.97 | 13.03 | 12.95 | 12.96 | 12.92 | 13.19 | 13.43 | 13.48 | 13.56 | 12.92 | 12.97 | 13.42 |
| Total World Supply | 86.00 | 86.63 | 87.19 | 87.78 | 87.47 | 87.60 | 87.87 | 87.86 | 89.18 | 89.32 | 89.21 | 89.82 | 86.90 | 87.70 | 89.38 |
| Non-OPEC Supply | 51.49 | 51.61 | 51.48 | 52.43 | 52.15 | 52.41 | 52.17 | 52.42 | 53.18 | 53.19 | 52.85 | 52.92 | 51.75 | 52.29 | 53.03 |
| Consumption (million barrels per day) (c) | | | | | | | | | | | | | | | |
| OECD | 45.79 | 45.09 | 46.55 | 46.67 | 46.09 | 44.67 | 46.14 | 46.78 | 46.60 | 44.94 | 45.79 | 46.49 | 46.03 | 45.92 | 45.96 |
| U.S. (50 States) | 18.82 | 19.01 | 19.49 | 19.26 | 19.09 | 18.82 | 19.43 | 19.37 | 19.20 | 19.14 | 19.49 | 19.43 | 19.15 | 19.18 | 19.32 |
| U.S. Territories | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| Canada | 2.19 | 2.21 | 2.29 | 2.27 | 2.27 | 2.18 | 2.29 | 2.28 | 2.30 | 2.21 | 2.32 | 2.32 | 2.24 | 2.26 | 2.29 |
| Europe | 14.18 | 14.12 | 14.79 | 14.69 | 14.05 | 14.00 | 14.46 | 14.58 | 14.10 | 13.75 | 14.21 | 14.32 | 14.45 | 14.27 | 14.09 |
| Japan | 4.79 | 4.04 | 4.33 | 4.54 | 4.83 | 3.95 | 4.33 | 4.65 | 4.93 | 4.00 | 4.03 | 4.40 | 4.42 | 4.44 | 4.34 |
| Other OECD | 5.55 | 5.44 | 5.38 | 5.64 | 5.59 | 5.45 | 5.36 | 5.64 | 5.80 | 5.57 | 5.47 | 5.76 | 5.50 | 5.51 | 5.65 |
| Non-OECD | 39.63 | 41.14 | 40.92 | 41.08 | 41.32 | 42.68 | 42.89 | 42.04 | 43.13 | 44.17 | 44.21 | 43.62 | 40.70 | 42.24 | 43.78 |
| Former Soviet Union | 4.32 | 4.34 | 4.49 | 4.45 | 4.42 | 4.47 | 4.62 | 4.58 | 4.50 | 4.55 | 4.71 | 4.67 | 4.40 | 4.52 | 4.61 |
| Europe | 0.79 | 0.77 | 0.83 | 0.83 | 0.78 | 0.76 | 0.81 | 0.81 | 0.79 | 0.77 | 0.82 | 0.82 | 0.80 | 0.79 | 0.80 |
| China | 8.88 | 9.31 | 8.89 | 9.60 | 9.65 | 10.11 | 10.02 | 9.71 | 10.32 | 10.58 | 10.44 | 10.34 | 9.17 | 9.87 | 10.42 |
| Other Asia | 9.81 | 9.93 | 9.47 | 9.69 | 10.18 | 10.20 | 9.74 | 9.97 | 10.40 | 10.42 | 9.95 | 10.18 | 9.72 | 10.02 | 10.24 |
| Other Non-OECD | 15.83 | 16.79 | 17.25 | 16.52 | 16.29 | 17.14 | 17.69 | 16.97 | 17.12 | 17.84 | 18.29 | 17.61 | 16.60 | 17.03 | 17.71 |
| Total World Consumption | 85.41 | 86.24 | 87.48 | 87.75 | 87.41 | 87.36 | 89.02 | 88.83 | 89.73 | 89.11 | 89.99 | 90.11 | 86.73 | 88.16 | 89.74 |
| Inventory Net Withdrawals (million barrels per day) | | | | | | | | | | | | | | | |
| U.S. (50 States) | -0.03 | -0.65 | -0.20 | 0.69 | 0.27 | -0.29 | -0.15 | 0.60 | 0.12 | -0.38 | -0.08 | 0.56 | -0.05 | 0.11 | 0.05 |
| Other OECD | -0.16 | -0.40 | 0.27 | 0.21 | 0.09 | 0.02 | 0.50 | 0.14 | 0.17 | 0.06 | 0.32 | -0.10 | -0.02 | 0.19 | 0.11 |
| Other Stock Draws and Balance | -0.39 | 0.66 | 0.22 | -0.92 | -0.42 | 0.03 | 0.81 | 0.22 | 0.26 | 0.11 | 0.54 | -0.16 | -0.11 | 0.16 | 0.19 |
| Total Stock Draw | -0.58 | -0.40 | 0.29 | -0.03 | -0.06 | -0.24 | 1.16 | 0.97 | 0.55 | -0.21 | 0.79 | 0.29 | -0.18 | 0.46 | 0.36 |
| End-of-period Inventories (million barrels) | | | | | | | | | | | | | | | |
| U.S. Commercial Inventory | 1,053 | 1,112 | 1,130 | 1,067 | 1,043 | 1,069 | 1,113 | 1,058 | 1,047 | 1,081 | 1,089 | 1,038 | 1,067 | 1,058 | 1,038 |
| OECD Commercial Inventory | 2,649 | 2,745 | 2,738 | 2,656 | 2,624 | 2,649 | 2,647 | 2,578 | 2,552 | 2,580 | 2,558 | 2,516 | 2,656 | 2,578 | 2,516 |

- = no data available

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

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

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

(a) Supply includes production of crude oil (including lease condensates), natural gas plant liquids, biofuels, other liquids, and refinery processing gains.

(b) Includes offshore supply from Denmark, Germany, the Netherlands, Norway, and the United Kingdom.

(c) Consumption of petroleum by the OECD countries is synonymous with "petroleum product supplied," defined in the glossary of the EIA *Petroleum Supply Monthly*, DOE/EIA-0109.

Consumption of petroleum by the non-OECD countries is "apparent consumption," which includes internal consumption, refinery fuel and loss, and bunkering.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Historical data: Latest data available from Energy Information Administration international energy statistics; and International Energy Agency, Monthly Oil Data Service, latest monthly release.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 3b. Non-OPEC Crude Oil and Liquid Fuels Supply (million barrels per day)

Energy Information Administration/Short-Term Energy Outlook - July 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| North America | 15.86 | 16.02 | 16.09 | 16.58 | 16.42 | <i>16.46</i> | <i>16.27</i> | <i>16.58</i> | <i>16.67</i> | <i>16.63</i> | <i>16.59</i> | <i>16.63</i> | 16.14 | <i>16.43</i> | <i>16.63</i> |
| Canada | 3.45 | 3.58 | 3.55 | 3.77 | 3.74 | <i>3.75</i> | <i>3.73</i> | <i>3.82</i> | <i>3.92</i> | <i>3.95</i> | <i>3.98</i> | <i>4.02</i> | 3.59 | <i>3.76</i> | <i>3.97</i> |
| Mexico | 2.95 | 2.87 | 2.87 | 2.89 | 2.91 | <i>2.92</i> | <i>2.86</i> | <i>2.83</i> | <i>2.87</i> | <i>2.85</i> | <i>2.83</i> | <i>2.81</i> | 2.90 | <i>2.88</i> | <i>2.84</i> |
| United States | 9.46 | 9.56 | 9.67 | 9.91 | 9.77 | <i>9.79</i> | <i>9.68</i> | <i>9.93</i> | <i>9.87</i> | <i>9.83</i> | <i>9.78</i> | <i>9.80</i> | 9.65 | <i>9.79</i> | <i>9.82</i> |
| Central and South America | 4.72 | 4.80 | 4.81 | 4.83 | 4.90 | <i>5.02</i> | <i>5.00</i> | <i>4.99</i> | <i>5.08</i> | <i>5.22</i> | <i>5.26</i> | <i>5.29</i> | 4.79 | <i>4.98</i> | <i>5.21</i> |
| Argentina | 0.80 | 0.79 | 0.79 | 0.75 | 0.76 | <i>0.74</i> | <i>0.73</i> | <i>0.73</i> | <i>0.74</i> | <i>0.74</i> | <i>0.75</i> | <i>0.74</i> | 0.78 | <i>0.74</i> | <i>0.74</i> |
| Brazil | 2.68 | 2.75 | 2.75 | 2.80 | 2.82 | <i>2.90</i> | <i>2.89</i> | <i>2.86</i> | <i>2.89</i> | <i>3.02</i> | <i>3.02</i> | <i>3.04</i> | 2.74 | <i>2.87</i> | <i>2.99</i> |
| Colombia | 0.77 | 0.79 | 0.80 | 0.83 | 0.88 | <i>0.93</i> | <i>0.93</i> | <i>0.95</i> | <i>0.98</i> | <i>1.00</i> | <i>1.02</i> | <i>1.05</i> | 0.80 | <i>0.92</i> | <i>1.01</i> |
| Other Central and S. America | 0.47 | 0.46 | 0.46 | 0.45 | 0.45 | <i>0.45</i> | <i>0.45</i> | <i>0.45</i> | <i>0.46</i> | <i>0.46</i> | <i>0.46</i> | <i>0.46</i> | 0.46 | <i>0.45</i> | <i>0.46</i> |
| Europe | 4.92 | 4.60 | 4.24 | 4.64 | 4.51 | <i>4.43</i> | <i>4.42</i> | <i>4.46</i> | <i>4.55</i> | <i>4.40</i> | <i>4.17</i> | <i>4.26</i> | 4.60 | <i>4.45</i> | <i>4.35</i> |
| Norway | 2.32 | 2.11 | 1.93 | 2.18 | 2.10 | <i>2.07</i> | <i>2.15</i> | <i>2.06</i> | <i>2.14</i> | <i>2.12</i> | <i>1.98</i> | <i>2.03</i> | 2.13 | <i>2.10</i> | <i>2.07</i> |
| United Kingdom (offshore) | 1.46 | 1.35 | 1.18 | 1.30 | 1.24 | <i>1.23</i> | <i>1.15</i> | <i>1.30</i> | <i>1.31</i> | <i>1.18</i> | <i>1.11</i> | <i>1.15</i> | 1.32 | <i>1.23</i> | <i>1.19</i> |
| Other North Sea | 0.30 | 0.29 | 0.25 | 0.28 | 0.27 | <i>0.28</i> | <i>0.27</i> | <i>0.26</i> | <i>0.26</i> | <i>0.26</i> | <i>0.25</i> | <i>0.24</i> | 0.28 | <i>0.27</i> | <i>0.25</i> |
| FSU and Eastern Europe | 13.11 | 13.15 | 13.18 | 13.23 | 13.28 | <i>13.51</i> | <i>13.41</i> | <i>13.37</i> | <i>13.61</i> | <i>13.52</i> | <i>13.37</i> | <i>13.24</i> | 13.17 | <i>13.39</i> | <i>13.43</i> |
| Azerbaijan | 1.00 | 1.05 | 1.05 | 1.06 | 1.00 | <i>1.16</i> | <i>1.18</i> | <i>1.17</i> | <i>1.19</i> | <i>1.19</i> | <i>1.14</i> | <i>1.09</i> | 1.04 | <i>1.13</i> | <i>1.15</i> |
| Kazakhstan | 1.61 | 1.57 | 1.61 | 1.66 | 1.67 | <i>1.72</i> | <i>1.71</i> | <i>1.72</i> | <i>1.79</i> | <i>1.81</i> | <i>1.82</i> | <i>1.83</i> | 1.61 | <i>1.71</i> | <i>1.81</i> |
| Russia | 10.10 | 10.14 | 10.14 | 10.13 | 10.22 | <i>10.23</i> | <i>10.13</i> | <i>10.09</i> | <i>10.23</i> | <i>10.14</i> | <i>10.03</i> | <i>9.94</i> | 10.13 | <i>10.17</i> | <i>10.08</i> |
| Turkmenistan | 0.20 | 0.20 | 0.20 | 0.21 | 0.21 | <i>0.21</i> | <i>0.21</i> | <i>0.21</i> | <i>0.21</i> | <i>0.21</i> | <i>0.21</i> | <i>0.22</i> | 0.20 | <i>0.21</i> | <i>0.21</i> |
| Other FSU/Eastern Europe | 0.41 | 0.39 | 0.38 | 0.39 | 0.39 | <i>0.40</i> | <i>0.39</i> | <i>0.39</i> | <i>0.39</i> | <i>0.39</i> | <i>0.38</i> | <i>0.38</i> | 0.39 | <i>0.39</i> | <i>0.38</i> |
| Middle East | 1.59 | 1.58 | 1.57 | 1.58 | 1.56 | <i>1.42</i> | <i>1.37</i> | <i>1.37</i> | <i>1.43</i> | <i>1.55</i> | <i>1.55</i> | <i>1.54</i> | 1.58 | <i>1.43</i> | <i>1.52</i> |
| Oman | 0.86 | 0.86 | 0.87 | 0.88 | 0.89 | <i>0.87</i> | <i>0.86</i> | <i>0.86</i> | <i>0.88</i> | <i>0.88</i> | <i>0.88</i> | <i>0.88</i> | 0.87 | <i>0.87</i> | <i>0.88</i> |
| Syria | 0.40 | 0.40 | 0.40 | 0.40 | 0.38 | <i>0.39</i> | <i>0.38</i> | <i>0.38</i> | <i>0.38</i> | <i>0.38</i> | <i>0.37</i> | <i>0.37</i> | 0.40 | <i>0.38</i> | <i>0.37</i> |
| Yemen | 0.27 | 0.26 | 0.25 | 0.25 | 0.24 | <i>0.10</i> | <i>0.07</i> | <i>0.08</i> | <i>0.12</i> | <i>0.24</i> | <i>0.25</i> | <i>0.25</i> | 0.26 | <i>0.12</i> | <i>0.21</i> |
| Asia and Oceania | 8.68 | 8.86 | 9.02 | 9.02 | 8.90 | <i>9.02</i> | <i>9.13</i> | <i>9.10</i> | <i>9.25</i> | <i>9.30</i> | <i>9.34</i> | <i>9.36</i> | 8.90 | <i>9.04</i> | <i>9.31</i> |
| Australia | 0.56 | 0.58 | 0.55 | 0.53 | 0.46 | <i>0.54</i> | <i>0.58</i> | <i>0.55</i> | <i>0.55</i> | <i>0.55</i> | <i>0.56</i> | <i>0.53</i> | 0.55 | <i>0.53</i> | <i>0.55</i> |
| China | 4.16 | 4.23 | 4.31 | 4.39 | 4.36 | <i>4.42</i> | <i>4.43</i> | <i>4.45</i> | <i>4.51</i> | <i>4.56</i> | <i>4.57</i> | <i>4.58</i> | 4.27 | <i>4.42</i> | <i>4.55</i> |
| India | 0.91 | 0.92 | 0.98 | 1.00 | 1.00 | <i>1.00</i> | <i>0.99</i> | <i>0.98</i> | <i>1.01</i> | <i>1.00</i> | <i>1.00</i> | <i>1.01</i> | 0.95 | <i>0.99</i> | <i>1.00</i> |
| Indonesia | 1.02 | 1.04 | 1.04 | 1.00 | 1.00 | <i>1.00</i> | <i>1.02</i> | <i>1.02</i> | <i>1.03</i> | <i>1.03</i> | <i>1.03</i> | <i>1.03</i> | 1.03 | <i>1.01</i> | <i>1.03</i> |
| Malaysia | 0.68 | 0.67 | 0.65 | 0.66 | 0.66 | <i>0.63</i> | <i>0.66</i> | <i>0.64</i> | <i>0.65</i> | <i>0.63</i> | <i>0.63</i> | <i>0.65</i> | 0.67 | <i>0.65</i> | <i>0.64</i> |
| Vietnam | 0.35 | 0.36 | 0.39 | 0.36 | 0.36 | <i>0.37</i> | <i>0.41</i> | <i>0.42</i> | <i>0.45</i> | <i>0.48</i> | <i>0.50</i> | <i>0.52</i> | 0.36 | <i>0.39</i> | <i>0.49</i> |
| Africa | 2.61 | 2.60 | 2.57 | 2.55 | 2.57 | <i>2.56</i> | <i>2.58</i> | <i>2.56</i> | <i>2.59</i> | <i>2.59</i> | <i>2.58</i> | <i>2.59</i> | 2.58 | <i>2.57</i> | <i>2.59</i> |
| Egypt | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | <i>0.68</i> | <i>0.67</i> | <i>0.67</i> | <i>0.68</i> | <i>0.68</i> | <i>0.68</i> | <i>0.68</i> | 0.66 | <i>0.67</i> | <i>0.68</i> |
| Equatorial Guinea | 0.33 | 0.33 | 0.32 | 0.31 | 0.31 | <i>0.31</i> | <i>0.30</i> | <i>0.29</i> | <i>0.29</i> | <i>0.29</i> | <i>0.29</i> | <i>0.29</i> | 0.32 | <i>0.30</i> | <i>0.29</i> |
| Gabon | 0.23 | 0.23 | 0.23 | 0.22 | 0.22 | <i>0.20</i> | <i>0.21</i> | <i>0.21</i> | <i>0.21</i> | <i>0.21</i> | <i>0.20</i> | <i>0.20</i> | 0.23 | <i>0.21</i> | <i>0.21</i> |
| Sudan | 0.51 | 0.51 | 0.51 | 0.51 | 0.49 | <i>0.49</i> | <i>0.49</i> | <i>0.48</i> | <i>0.49</i> | <i>0.49</i> | <i>0.49</i> | <i>0.49</i> | 0.51 | <i>0.49</i> | <i>0.49</i> |
| Total non-OPEC liquids | 51.49 | 51.61 | 51.48 | 52.43 | 52.15 | <i>52.41</i> | <i>52.17</i> | <i>52.42</i> | <i>53.18</i> | <i>53.19</i> | <i>52.85</i> | <i>52.92</i> | 51.75 | <i>52.29</i> | <i>53.03</i> |
| OPEC non-crude liquids | 5.11 | 5.37 | 5.57 | 5.49 | 5.54 | <i>6.01</i> | <i>6.09</i> | <i>6.11</i> | <i>6.25</i> | <i>6.30</i> | <i>6.35</i> | <i>6.37</i> | 5.39 | <i>5.94</i> | <i>6.32</i> |
| Non-OPEC + OPEC non-crude | 56.60 | 56.98 | 57.04 | 57.92 | 57.69 | <i>58.43</i> | <i>58.26</i> | <i>58.54</i> | <i>59.43</i> | <i>59.49</i> | <i>59.20</i> | <i>59.29</i> | 57.14 | <i>58.23</i> | <i>59.35</i> |

- = no data available

FSU = Former Soviet Union

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

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Supply includes production of crude oil (including lease condensates), natural gas plant liquids, biofuels, other liquids, and refinery processing gains.

Not all countries are shown in each region and sum of reported country volumes may not equal regional volumes.

Historical data: Latest data available from Energy Information Administration international energy statistics; and International Energy Agency, Monthly Oil Data Service, latest monthly release.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 3c. OPEC Crude Oil (excluding condensates) Supply (million barrels per day)

Energy Information Administration/Short-Term Energy Outlook - July 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| Crude Oil | | | | | | | | | | | | | | | |
| Algeria | 1.35 | 1.30 | 1.27 | 1.27 | 1.27 | 1.27 | - | - | - | - | - | - | 1.30 | - | - |
| Angola | 1.97 | 1.94 | 1.79 | 1.70 | 1.70 | 1.58 | - | - | - | - | - | - | 1.85 | - | - |
| Ecuador | 0.47 | 0.48 | 0.49 | 0.50 | 0.50 | 0.49 | - | - | - | - | - | - | 0.49 | - | - |
| Iran | 3.80 | 3.80 | 3.70 | 3.70 | 3.70 | 3.70 | - | - | - | - | - | - | 3.75 | - | - |
| Iraq | 2.42 | 2.37 | 2.32 | 2.40 | 2.53 | 2.53 | - | - | - | - | - | - | 2.37 | - | - |
| Kuwait | 2.30 | 2.23 | 2.30 | 2.30 | 2.33 | 2.50 | - | - | - | - | - | - | 2.28 | - | - |
| Libya | 1.65 | 1.65 | 1.65 | 1.65 | 1.09 | 0.20 | - | - | - | - | 1.09 | - | 1.65 | - | - |
| Nigeria | 2.03 | 1.95 | 2.08 | 2.12 | 2.13 | 2.15 | - | - | - | - | - | - | 2.05 | - | - |
| Qatar | 0.84 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | - | - | - | - | - | - | 0.85 | - | - |
| Saudi Arabia | 8.20 | 8.70 | 9.30 | 8.90 | 9.03 | 9.10 | - | - | - | - | - | - | 8.78 | - | - |
| United Arab Emirates | 2.30 | 2.30 | 2.30 | 2.30 | 2.43 | 2.60 | - | - | - | - | - | - | 2.30 | - | - |
| Venezuela | 2.07 | 2.09 | 2.10 | 2.17 | 2.20 | 2.20 | - | - | - | - | - | - | 2.11 | - | - |
| OPEC Total | 29.40 | 29.65 | 30.15 | 29.85 | 29.78 | 29.17 | 29.61 | 29.32 | 29.75 | 29.83 | 30.01 | 30.53 | 29.77 | 29.47 | 30.03 |
| Other Liquids | 5.11 | 5.37 | 5.57 | 5.49 | 5.54 | 6.01 | 6.09 | 6.11 | 6.25 | 6.30 | 6.35 | 6.37 | 5.39 | 5.94 | 6.32 |
| Total OPEC Supply | 34.51 | 35.02 | 35.71 | 35.35 | 35.32 | 35.19 | 35.69 | 35.44 | 36.00 | 36.13 | 36.36 | 36.90 | 35.15 | 35.41 | 36.35 |
| Crude Oil Production Capacity | | | | | | | | | | | | | | | |
| Algeria | 1.35 | 1.30 | 1.27 | 1.27 | 1.27 | 1.27 | - | - | - | - | - | - | 1.30 | - | - |
| Angola | 1.97 | 1.94 | 1.79 | 1.70 | 1.70 | 1.58 | - | - | - | - | - | - | 1.85 | - | - |
| Ecuador | 0.47 | 0.48 | 0.49 | 0.50 | 0.50 | 0.49 | - | - | - | - | - | - | 0.49 | - | - |
| Iran | 3.80 | 3.80 | 3.70 | 3.70 | 3.70 | 3.70 | - | - | - | - | - | - | 3.75 | - | - |
| Iraq | 2.42 | 2.37 | 2.32 | 2.40 | 2.53 | 2.53 | - | - | - | - | - | - | 2.37 | - | - |
| Kuwait | 2.60 | 2.60 | 2.60 | 2.60 | 2.62 | 2.64 | - | - | - | - | - | - | 2.60 | - | - |
| Libya | 1.65 | 1.65 | 1.65 | 1.65 | 1.09 | 0.20 | - | - | - | - | - | - | 1.65 | - | - |
| Nigeria | 2.03 | 1.95 | 2.08 | 2.12 | 2.13 | 2.15 | - | - | - | - | - | - | 2.05 | - | - |
| Qatar | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | - | - | - | - | - | - | 0.85 | - | - |
| Saudi Arabia | 12.00 | 12.25 | 12.25 | 12.25 | 12.25 | 12.25 | - | - | - | - | - | - | 12.19 | - | - |
| United Arab Emirates | 2.60 | 2.60 | 2.60 | 2.60 | 2.66 | 2.66 | - | - | - | - | - | - | 2.60 | - | - |
| Venezuela | 2.07 | 2.09 | 2.10 | 2.17 | 2.20 | 2.20 | - | - | - | - | - | - | 2.11 | - | - |
| OPEC Total | 33.69 | 33.85 | 33.70 | 33.81 | 33.48 | 32.53 | 32.62 | 32.77 | 33.20 | 33.28 | 33.46 | 33.64 | 33.76 | 32.85 | 33.39 |
| Surplus Crude Oil Production Capacity | | | | | | | | | | | | | | | |
| Algeria | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | - | - | - | - | 0.00 | - | - |
| Angola | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | - | - | - | - | 0.00 | - | - |
| Ecuador | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | - | - | - | - | 0.00 | - | - |
| Iran | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | - | - | - | - | 0.00 | - | - |
| Iraq | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | - | - | - | - | 0.00 | - | - |
| Kuwait | 0.30 | 0.37 | 0.30 | 0.30 | 0.29 | 0.14 | - | - | - | - | - | - | 0.32 | - | - |
| Libya | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | - | - | - | - | 0.00 | - | - |
| Nigeria | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | - | - | - | - | 0.00 | - | - |
| Qatar | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | - | - | - | - | 0.00 | - | - |
| Saudi Arabia | 3.80 | 3.55 | 2.95 | 3.35 | 3.22 | 3.15 | - | - | - | - | - | - | 3.41 | - | - |
| United Arab Emirates | 0.30 | 0.30 | 0.30 | 0.30 | 0.23 | 0.06 | - | - | - | - | - | - | 0.30 | - | - |
| Venezuela | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | - | - | - | - | - | - | 0.00 | - | - |
| OPEC Total | 4.29 | 4.19 | 3.55 | 3.95 | 3.70 | 3.35 | 3.02 | 3.45 | 3.45 | 3.45 | 3.45 | 3.11 | 3.99 | 3.38 | 3.36 |

- = no data available

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

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Historical data: Latest data available from Energy Information Administration international energy statistics; and International Energy Agency, Monthly Oil Data Service, latest monthly release.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 3d. World Liquid Fuels Consumption (million barrels per day)
Energy Information Administration/Short-Term Energy Outlook - July 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | 2010 | 2011 | 2012 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | |
| North America | 23.16 | 23.40 | 23.91 | 23.68 | 23.47 | <i>23.23</i> | <i>23.90</i> | <i>23.84</i> | <i>23.74</i> | <i>23.63</i> | <i>24.03</i> | <i>23.97</i> | 23.54 | <i>23.61</i> | <i>23.84</i> |
| Canada | 2.19 | 2.21 | 2.29 | 2.27 | 2.27 | <i>2.18</i> | <i>2.29</i> | <i>2.28</i> | <i>2.30</i> | <i>2.21</i> | <i>2.32</i> | <i>2.32</i> | 2.24 | <i>2.26</i> | <i>2.29</i> |
| Mexico | 2.14 | 2.17 | 2.12 | 2.14 | 2.10 | <i>2.22</i> | <i>2.17</i> | <i>2.18</i> | <i>2.23</i> | <i>2.27</i> | <i>2.21</i> | <i>2.22</i> | 2.14 | <i>2.17</i> | <i>2.23</i> |
| United States | 18.82 | 19.01 | 19.49 | 19.26 | 19.09 | <i>18.82</i> | <i>19.43</i> | <i>19.37</i> | <i>19.20</i> | <i>19.14</i> | <i>19.49</i> | <i>19.43</i> | 19.15 | <i>19.18</i> | <i>19.32</i> |
| Central and South America | 6.15 | 6.40 | 6.39 | 6.38 | 6.29 | <i>6.55</i> | <i>6.54</i> | <i>6.53</i> | <i>6.50</i> | <i>6.77</i> | <i>6.76</i> | <i>6.75</i> | 6.33 | <i>6.48</i> | <i>6.69</i> |
| Brazil | 2.51 | 2.61 | 2.67 | 2.64 | 2.63 | <i>2.74</i> | <i>2.80</i> | <i>2.77</i> | <i>2.78</i> | <i>2.89</i> | <i>2.96</i> | <i>2.93</i> | 2.61 | <i>2.73</i> | <i>2.89</i> |
| Europe | 14.97 | 14.90 | 15.62 | 15.52 | 14.83 | <i>14.76</i> | <i>15.27</i> | <i>15.39</i> | <i>14.89</i> | <i>14.52</i> | <i>15.03</i> | <i>15.14</i> | 15.25 | <i>15.07</i> | <i>14.90</i> |
| FSU and Eastern Europe | 4.32 | 4.34 | 4.49 | 4.45 | 4.42 | <i>4.47</i> | <i>4.62</i> | <i>4.58</i> | <i>4.50</i> | <i>4.55</i> | <i>4.71</i> | <i>4.67</i> | 4.40 | <i>4.52</i> | <i>4.61</i> |
| Russia | 2.92 | 2.94 | 3.04 | 3.00 | 2.95 | <i>3.01</i> | <i>3.10</i> | <i>3.06</i> | <i>2.99</i> | <i>3.04</i> | <i>3.14</i> | <i>3.10</i> | 2.98 | <i>3.03</i> | <i>3.07</i> |
| Middle East | 6.56 | 7.30 | 7.87 | 7.05 | 6.95 | <i>7.59</i> | <i>8.20</i> | <i>7.43</i> | <i>7.48</i> | <i>7.98</i> | <i>8.48</i> | <i>7.75</i> | 7.20 | <i>7.55</i> | <i>7.92</i> |
| Asia and Oceania | 26.89 | 26.57 | 25.96 | 27.35 | 28.17 | <i>27.51</i> | <i>27.29</i> | <i>27.81</i> | <i>29.24</i> | <i>28.32</i> | <i>27.70</i> | <i>28.47</i> | 26.69 | <i>27.69</i> | <i>28.43</i> |
| China | 8.88 | 9.31 | 8.89 | 9.60 | 9.65 | <i>10.11</i> | <i>10.02</i> | <i>9.71</i> | <i>10.32</i> | <i>10.58</i> | <i>10.44</i> | <i>10.34</i> | 9.17 | <i>9.87</i> | <i>10.42</i> |
| Japan | 4.79 | 4.04 | 4.33 | 4.54 | 4.83 | <i>3.95</i> | <i>4.33</i> | <i>4.65</i> | <i>4.93</i> | <i>4.00</i> | <i>4.03</i> | <i>4.40</i> | 4.42 | <i>4.44</i> | <i>4.34</i> |
| India | 3.36 | 3.33 | 3.05 | 3.30 | 3.54 | <i>3.41</i> | <i>3.13</i> | <i>3.37</i> | <i>3.66</i> | <i>3.52</i> | <i>3.24</i> | <i>3.49</i> | 3.26 | <i>3.36</i> | <i>3.48</i> |
| Africa | 3.37 | 3.34 | 3.25 | 3.34 | 3.29 | <i>3.24</i> | <i>3.20</i> | <i>3.26</i> | <i>3.38</i> | <i>3.33</i> | <i>3.29</i> | <i>3.36</i> | 3.32 | <i>3.25</i> | <i>3.34</i> |
| Total OECD Liquid Fuels Consumption | 45.79 | 45.09 | 46.55 | 46.67 | 46.09 | <i>44.67</i> | <i>46.14</i> | <i>46.78</i> | <i>46.60</i> | <i>44.94</i> | <i>45.79</i> | <i>46.49</i> | 46.03 | <i>45.92</i> | <i>45.96</i> |
| Total non-OECD Liquid Fuels Consumption | 39.63 | 41.14 | 40.92 | 41.08 | 41.32 | <i>42.68</i> | <i>42.89</i> | <i>42.04</i> | <i>43.13</i> | <i>44.17</i> | <i>44.21</i> | <i>43.62</i> | 40.70 | <i>42.24</i> | <i>43.78</i> |
| Total World Liquid Fuels Consumption | 85.41 | 86.24 | 87.48 | 87.75 | 87.41 | <i>87.36</i> | <i>89.02</i> | <i>88.83</i> | <i>89.73</i> | <i>89.11</i> | <i>89.99</i> | <i>90.11</i> | 86.73 | <i>88.16</i> | <i>89.74</i> |
| World Real Gross Domestic Product (a) | | | | | | | | | | | | | | | |
| Index, 2007 Q1 = 100 | 104.79 | 105.81 | 106.55 | 107.37 | 108.22 | <i>108.97</i> | <i>110.18</i> | <i>111.33</i> | <i>112.32</i> | <i>113.29</i> | <i>114.25</i> | <i>115.34</i> | 106.14 | <i>109.69</i> | <i>113.81</i> |
| Percent change from prior year | 4.0 | 4.5 | 4.2 | 3.8 | 3.3 | <i>3.0</i> | <i>3.4</i> | <i>3.7</i> | <i>3.8</i> | <i>4.0</i> | <i>3.7</i> | <i>3.6</i> | 4.1 | <i>3.3</i> | <i>3.8</i> |
| Real U.S. Dollar Exchange Rate (a) | | | | | | | | | | | | | | | |
| Index, January 2007 = 100 | 97.58 | 99.82 | 98.69 | 96.17 | 97.30 | <i>97.00</i> | <i>96.43</i> | <i>95.88</i> | <i>95.65</i> | <i>95.73</i> | <i>95.79</i> | <i>95.84</i> | 98.06 | <i>96.65</i> | <i>95.75</i> |
| Percent change from prior year | -6.4 | -1.1 | 0.7 | 0.8 | -0.3 | <i>-2.8</i> | <i>-2.3</i> | <i>-0.3</i> | <i>-1.7</i> | <i>-1.3</i> | <i>-0.7</i> | <i>0.0</i> | -1.6 | <i>-1.4</i> | <i>-0.9</i> |

- = no data available

FSU = Former Soviet Union

OECD = Organization for Economic Cooperation and Development: Australia, Austria, Belgium, Canada, Chile, the Czech Republic, Denmark, Finland,

France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Luxembourg, Mexico, the Netherlands, New Zealand, Norway, Poland, Portugal,

Slovakia, South Korea, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and the United States.

(a) Weighted geometric mean of real indices for various countries with weights equal to each country's share of world oil consumption in the base period. Exchange rate is measured in foreign currency per U.S. dollar.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Historical data: Latest data available from Energy Information Administration international energy statistics; and International Energy Agency, Monthly Oil Data Service, latest monthly release.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 4a. U.S. Crude Oil and Liquid Fuels Supply, Consumption, and Inventories
Energy Information Administration/Short-Term Energy Outlook - July 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| Supply (million barrels per day) | | | | | | | | | | | | | | | |
| Crude Oil Supply | | | | | | | | | | | | | | | |
| Domestic Production (a) | 5.47 | 5.48 | 5.49 | 5.61 | 5.57 | <i>5.55</i> | <i>5.44</i> | <i>5.68</i> | <i>5.69</i> | <i>5.63</i> | <i>5.55</i> | <i>5.57</i> | 5.51 | <i>5.56</i> | <i>5.61</i> |
| Alaska | 0.64 | 0.58 | 0.57 | 0.61 | 0.56 | <i>0.56</i> | <i>0.47</i> | <i>0.55</i> | <i>0.55</i> | <i>0.53</i> | <i>0.51</i> | <i>0.49</i> | 0.60 | <i>0.53</i> | <i>0.52</i> |
| Federal Gulf of Mexico (b) | 1.70 | 1.68 | 1.59 | 1.59 | 1.54 | <i>1.52</i> | <i>1.43</i> | <i>1.45</i> | <i>1.46</i> | <i>1.41</i> | <i>1.33</i> | <i>1.33</i> | 1.64 | <i>1.49</i> | <i>1.38</i> |
| Lower 48 States (excl GOM) | 3.12 | 3.22 | 3.34 | 3.41 | 3.47 | <i>3.47</i> | <i>3.53</i> | <i>3.68</i> | <i>3.68</i> | <i>3.68</i> | <i>3.71</i> | <i>3.75</i> | 3.27 | <i>3.54</i> | <i>3.71</i> |
| Crude Oil Net Imports (c) | 8.77 | 9.71 | 9.46 | 8.54 | 8.68 | <i>8.90</i> | <i>9.49</i> | <i>8.72</i> | <i>8.97</i> | <i>9.35</i> | <i>9.44</i> | <i>8.92</i> | 9.12 | <i>8.95</i> | <i>9.17</i> |
| SPR Net Withdrawals | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | <i>0.00</i> | <i>0.33</i> | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | 0.00 | <i>0.08</i> | <i>0.00</i> |
| Commercial Inventory Net Withdrawals | -0.34 | -0.08 | 0.03 | 0.31 | -0.34 | <i>0.04</i> | <i>-0.07</i> | <i>0.23</i> | <i>-0.21</i> | <i>0.10</i> | <i>0.16</i> | <i>0.15</i> | -0.02 | <i>-0.03</i> | <i>0.05</i> |
| Crude Oil Adjustment (d) | 0.08 | 0.14 | 0.14 | 0.07 | 0.31 | <i>0.17</i> | <i>0.03</i> | <i>-0.01</i> | <i>0.07</i> | <i>0.09</i> | <i>0.04</i> | <i>-0.01</i> | 0.11 | <i>0.13</i> | <i>0.05</i> |
| Total Crude Oil Input to Refineries | 13.98 | 15.24 | 15.13 | 14.53 | 14.23 | <i>14.72</i> | <i>15.21</i> | <i>14.61</i> | <i>14.52</i> | <i>15.17</i> | <i>15.20</i> | <i>14.63</i> | 14.72 | <i>14.70</i> | <i>14.88</i> |
| Other Supply | | | | | | | | | | | | | | | |
| Refinery Processing Gain | 1.02 | 1.06 | 1.09 | 1.09 | 1.03 | <i>1.02</i> | <i>1.03</i> | <i>1.04</i> | <i>1.00</i> | <i>1.03</i> | <i>1.05</i> | <i>1.05</i> | 1.06 | <i>1.03</i> | <i>1.03</i> |
| Natural Gas Liquids Production | 1.96 | 1.99 | 1.99 | 2.06 | 2.04 | <i>2.10</i> | <i>2.14</i> | <i>2.14</i> | <i>2.11</i> | <i>2.10</i> | <i>2.10</i> | <i>2.11</i> | 2.00 | <i>2.11</i> | <i>2.11</i> |
| Renewables and Oxygenate Production (e) | 0.86 | 0.89 | 0.91 | 0.95 | 0.95 | <i>0.94</i> | <i>0.93</i> | <i>0.93</i> | <i>0.94</i> | <i>0.94</i> | <i>0.94</i> | <i>0.94</i> | 0.90 | <i>0.94</i> | <i>0.94</i> |
| Fuel Ethanol Production | 0.83 | 0.84 | 0.87 | 0.91 | 0.91 | <i>0.89</i> | <i>0.90</i> | <i>0.90</i> | <i>0.91</i> | <i>0.91</i> | <i>0.91</i> | <i>0.91</i> | 0.86 | <i>0.90</i> | <i>0.91</i> |
| Petroleum Products Adjustment (f) | 0.14 | 0.15 | 0.19 | 0.20 | 0.18 | <i>0.18</i> | <i>0.14</i> | <i>0.13</i> | <i>0.13</i> | <i>0.13</i> | <i>0.13</i> | <i>0.13</i> | 0.17 | <i>0.16</i> | <i>0.13</i> |
| Product Net Imports (c) | 0.56 | 0.26 | 0.41 | 0.05 | 0.05 | <i>0.24</i> | <i>0.40</i> | <i>0.14</i> | <i>0.17</i> | <i>0.25</i> | <i>0.31</i> | <i>0.17</i> | 0.32 | <i>0.21</i> | <i>0.22</i> |
| Pentanes Plus | -0.03 | 0.00 | 0.00 | 0.00 | 0.01 | <i>0.02</i> | <i>-0.01</i> | <i>-0.01</i> | <i>-0.02</i> | <i>-0.01</i> | <i>-0.01</i> | <i>-0.01</i> | -0.01 | <i>0.00</i> | <i>-0.01</i> |
| Liquefied Petroleum Gas | 0.07 | -0.01 | -0.02 | 0.03 | 0.04 | <i>-0.05</i> | <i>0.02</i> | <i>-0.03</i> | <i>-0.01</i> | <i>-0.03</i> | <i>-0.02</i> | <i>-0.01</i> | 0.02 | <i>-0.01</i> | <i>-0.02</i> |
| Unfinished Oils | 0.53 | 0.58 | 0.66 | 0.68 | 0.62 | <i>0.70</i> | <i>0.70</i> | <i>0.64</i> | <i>0.62</i> | <i>0.64</i> | <i>0.72</i> | <i>0.64</i> | 0.61 | <i>0.66</i> | <i>0.66</i> |
| Other HC/Oxygenates | -0.03 | -0.05 | -0.07 | -0.05 | -0.10 | <i>-0.08</i> | <i>-0.09</i> | <i>-0.09</i> | <i>-0.08</i> | <i>-0.08</i> | <i>-0.08</i> | <i>-0.08</i> | -0.05 | <i>-0.09</i> | <i>-0.08</i> |
| Motor Gasoline Blend Comp. | 0.60 | 0.75 | 0.88 | 0.65 | 0.65 | <i>0.89</i> | <i>0.76</i> | <i>0.67</i> | <i>0.69</i> | <i>0.75</i> | <i>0.71</i> | <i>0.71</i> | 0.72 | <i>0.74</i> | <i>0.71</i> |
| Finished Motor Gasoline | -0.12 | -0.11 | -0.12 | -0.30 | -0.30 | <i>-0.31</i> | <i>-0.05</i> | <i>-0.19</i> | <i>-0.23</i> | <i>-0.13</i> | <i>-0.03</i> | <i>-0.21</i> | -0.16 | <i>-0.21</i> | <i>-0.15</i> |
| Jet Fuel | 0.02 | 0.00 | 0.02 | -0.01 | -0.04 | <i>0.01</i> | <i>0.00</i> | <i>0.01</i> | <i>0.00</i> | <i>0.01</i> | <i>0.01</i> | <i>0.01</i> | 0.01 | <i>-0.01</i> | <i>0.01</i> |
| Distillate Fuel Oil | -0.11 | -0.48 | -0.55 | -0.58 | -0.44 | <i>-0.63</i> | <i>-0.48</i> | <i>-0.40</i> | <i>-0.47</i> | <i>-0.45</i> | <i>-0.49</i> | <i>-0.36</i> | -0.43 | <i>-0.49</i> | <i>-0.44</i> |
| Residual Fuel Oil | -0.02 | -0.04 | -0.06 | 0.02 | 0.02 | <i>0.01</i> | <i>-0.04</i> | <i>-0.04</i> | <i>-0.02</i> | <i>-0.03</i> | <i>-0.06</i> | <i>-0.06</i> | -0.02 | <i>-0.01</i> | <i>-0.04</i> |
| Other Oils (g) | -0.35 | -0.38 | -0.34 | -0.39 | -0.39 | <i>-0.31</i> | <i>-0.40</i> | <i>-0.41</i> | <i>-0.31</i> | <i>-0.42</i> | <i>-0.44</i> | <i>-0.45</i> | -0.36 | <i>-0.38</i> | <i>-0.41</i> |
| Product Inventory Net Withdrawals | 0.30 | -0.57 | -0.22 | 0.38 | 0.61 | <i>-0.33</i> | <i>-0.41</i> | <i>0.37</i> | <i>0.33</i> | <i>-0.47</i> | <i>-0.25</i> | <i>0.40</i> | -0.03 | <i>0.06</i> | <i>0.00</i> |
| Total Supply | 18.83 | 19.01 | 19.49 | 19.26 | 19.09 | <i>18.87</i> | <i>19.44</i> | <i>19.37</i> | <i>19.20</i> | <i>19.14</i> | <i>19.49</i> | <i>19.43</i> | 19.15 | <i>19.19</i> | <i>19.32</i> |
| Consumption (million barrels per day) | | | | | | | | | | | | | | | |
| Natural Gas Liquids and Other Liquids | | | | | | | | | | | | | | | |
| Pentanes Plus | 0.08 | 0.07 | 0.10 | 0.08 | 0.10 | <i>0.11</i> | <i>0.10</i> | <i>0.10</i> | <i>0.08</i> | <i>0.08</i> | <i>0.09</i> | <i>0.10</i> | 0.08 | <i>0.10</i> | <i>0.09</i> |
| Liquefied Petroleum Gas | 2.38 | 1.80 | 1.99 | 2.25 | 2.45 | <i>1.89</i> | <i>2.01</i> | <i>2.24</i> | <i>2.40</i> | <i>1.92</i> | <i>2.02</i> | <i>2.26</i> | 2.10 | <i>2.15</i> | <i>2.15</i> |
| Unfinished Oils | 0.05 | 0.03 | 0.01 | -0.01 | 0.06 | <i>-0.01</i> | <i>0.00</i> | <i>0.01</i> | <i>0.01</i> | <i>0.00</i> | <i>0.00</i> | <i>0.02</i> | 0.02 | <i>0.02</i> | <i>0.01</i> |
| Finished Liquid Fuels | | | | | | | | | | | | | | | |
| Motor Gasoline | 8.65 | 9.20 | 9.29 | 8.99 | 8.60 | <i>8.99</i> | <i>9.27</i> | <i>9.00</i> | <i>8.71</i> | <i>9.12</i> | <i>9.29</i> | <i>9.01</i> | 9.03 | <i>8.97</i> | <i>9.03</i> |
| Jet Fuel | 1.39 | 1.44 | 1.47 | 1.40 | 1.36 | <i>1.43</i> | <i>1.48</i> | <i>1.43</i> | <i>1.41</i> | <i>1.46</i> | <i>1.49</i> | <i>1.44</i> | 1.42 | <i>1.43</i> | <i>1.45</i> |
| Distillate Fuel Oil | 3.79 | 3.70 | 3.75 | 3.94 | 3.95 | <i>3.70</i> | <i>3.78</i> | <i>4.01</i> | <i>3.99</i> | <i>3.81</i> | <i>3.82</i> | <i>4.07</i> | 3.79 | <i>3.86</i> | <i>3.92</i> |
| Residual Fuel Oil | 0.56 | 0.53 | 0.54 | 0.57 | 0.60 | <i>0.55</i> | <i>0.52</i> | <i>0.54</i> | <i>0.58</i> | <i>0.56</i> | <i>0.51</i> | <i>0.52</i> | 0.55 | <i>0.55</i> | <i>0.54</i> |
| Other Oils (f) | 1.92 | 2.24 | 2.34 | 2.04 | 1.96 | <i>2.16</i> | <i>2.28</i> | <i>2.03</i> | <i>2.02</i> | <i>2.20</i> | <i>2.27</i> | <i>2.01</i> | 2.14 | <i>2.11</i> | <i>2.12</i> |
| Total Consumption | 18.82 | 19.01 | 19.49 | 19.26 | 19.09 | <i>18.82</i> | <i>19.43</i> | <i>19.37</i> | <i>19.20</i> | <i>19.14</i> | <i>19.49</i> | <i>19.43</i> | 19.15 | <i>19.18</i> | <i>19.32</i> |
| Total Liquid Fuels Net Imports | 9.33 | 9.97 | 9.88 | 8.59 | 8.74 | <i>9.14</i> | <i>9.89</i> | <i>8.86</i> | <i>9.14</i> | <i>9.60</i> | <i>9.75</i> | <i>9.08</i> | 9.44 | <i>9.16</i> | <i>9.40</i> |
| End-of-period Inventories (million barrels) | | | | | | | | | | | | | | | |
| Commercial Inventory | | | | | | | | | | | | | | | |
| Crude Oil (excluding SPR) | 355.4 | 362.7 | 360.1 | 332.0 | 362.6 | <i>358.6</i> | <i>365.1</i> | <i>343.9</i> | <i>363.1</i> | <i>354.1</i> | <i>339.1</i> | <i>325.0</i> | 332.0 | <i>343.9</i> | <i>325.0</i> |
| Pentanes Plus | 9.4 | 11.5 | 11.9 | 12.5 | 10.8 | <i>11.5</i> | <i>12.5</i> | <i>10.2</i> | <i>9.8</i> | <i>11.8</i> | <i>12.8</i> | <i>10.3</i> | 12.5 | <i>10.2</i> | <i>10.3</i> |
| Liquefied Petroleum Gas | 73.2 | 121.8 | 141.2 | 108.8 | 68.7 | <i>108.8</i> | <i>141.4</i> | <i>108.6</i> | <i>76.6</i> | <i>116.3</i> | <i>142.4</i> | <i>107.2</i> | 108.8 | <i>108.6</i> | <i>107.2</i> |
| Unfinished Oils | 86.3 | 83.4 | 82.3 | 80.8 | 87.4 | <i>86.4</i> | <i>85.6</i> | <i>81.4</i> | <i>90.2</i> | <i>86.3</i> | <i>85.5</i> | <i>79.9</i> | 80.8 | <i>81.4</i> | <i>79.9</i> |
| Other HC/Oxygenates | 22.0 | 20.6 | 18.9 | 19.4 | 23.2 | <i>20.8</i> | <i>20.9</i> | <i>20.3</i> | <i>22.2</i> | <i>21.3</i> | <i>21.8</i> | <i>21.3</i> | 19.4 | <i>20.3</i> | <i>21.3</i> |
| Total Motor Gasoline | 224.0 | 214.8 | 219.3 | 219.5 | 214.9 | <i>212.5</i> | <i>211.0</i> | <i>217.6</i> | <i>218.4</i> | <i>217.5</i> | <i>211.9</i> | <i>220.2</i> | 219.5 | <i>217.6</i> | <i>220.2</i> |
| Finished Motor Gasoline | 81.9 | 71.8 | 70.2 | 63.4 | 60.8 | <i>56.8</i> | <i>56.9</i> | <i>57.2</i> | <i>54.9</i> | <i>58.0</i> | <i>57.8</i> | <i>58.2</i> | 63.4 | <i>57.2</i> | <i>58.2</i> |
| Motor Gasoline Blend Comp. | 142.1 | 143.0 | 149.1 | 156.1 | 154.1 | <i>155.8</i> | <i>154.1</i> | <i>160.3</i> | <i>163.6</i> | <i>159.5</i> | <i>154.0</i> | <i>162.0</i> | 156.1 | <i>160.3</i> | <i>162.0</i> |
| Jet Fuel | 41.9 | 44.9 | 46.8 | 43.2 | 40.0 | <i>43.3</i> | <i>43.7</i> | <i>41.8</i> | <i>41.9</i> | <i>42.5</i> | <i>43.7</i> | <i>41.2</i> | 43.2 | <i>41.8</i> | <i>41.2</i> |
| Distillate Fuel Oil | 146.0 | 157.9 | 166.7 | 164.5 | 148.5 | <i>142.1</i> | <i>155.3</i> | <i>153.8</i> | <i>134.7</i> | <i>144.5</i> | <i>152.4</i> | <i>151.5</i> | 164.5 | <i>153.8</i> | <i>151.5</i> |
| Residual Fuel Oil | 40.6 | 42.3 | 39.8 | 41.3 | 37.1 | <i>37.8</i> | <i>37.6</i> | <i>38.5</i> | <i>38.5</i> | <i>37.7</i> | <i>37.3</i> | <i>38.1</i> | 41.3 | <i>38.5</i> | <i>38.1</i> |
| Other Oils (f) | 54.0 | 52.2 | 43.2 | 45.1 | 49.6 | <i>47.5</i> | <i>40.3</i> | <i>41.9</i> | <i>51.7</i> | <i>49.2</i> | <i>42.2</i> | <i>43.2</i> | 45.1 | <i>41.9</i> | <i>43.2</i> |
| Total Commercial Inventory | 1,053 | 1,112 | 1,130 | 1,067 | 1,043 | <i>1,069</i> | <i>1,113</i> | <i>1,058</i> | <i>1,047</i> | <i>1,081</i> | <i>1,089</i> | <i>1,038</i> | 1,067 | <i>1,058</i> | <i>1,038</i> |
| Crude Oil in SPR | 727 | 727 | 727 | 727 | 727 | <i>727</i> | <i>697</i> | <i>697</i> | <i>697</i> | <i>697</i> | <i>697</i> | <i>697</i> | 727 | <i>697</i> | <i>697</i> |
| Heating Oil Reserve | 2.0 | 2.0 | 2.0 | 2.0 | | | | | | | | | | | |

Table 4b. U.S. Petroleum Refinery Balance (Million Barrels per Day, Except Utilization Factor)

Energy Information Administration/Short-Term Energy Outlook - July 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| Refinery and Blender Net Inputs | | | | | | | | | | | | | | | |
| Crude Oil | 13.98 | 15.24 | 15.13 | 14.53 | 14.23 | <i>14.72</i> | <i>15.21</i> | <i>14.61</i> | <i>14.52</i> | <i>15.17</i> | <i>15.20</i> | <i>14.63</i> | 14.72 | <i>14.70</i> | <i>14.88</i> |
| Pentanes Plus | 0.14 | 0.15 | 0.16 | 0.17 | 0.17 | <i>0.17</i> | <i>0.16</i> | <i>0.17</i> | <i>0.16</i> | <i>0.15</i> | <i>0.16</i> | <i>0.17</i> | 0.16 | <i>0.17</i> | <i>0.16</i> |
| Liquefied Petroleum Gas | 0.30 | 0.22 | 0.23 | 0.36 | 0.34 | <i>0.26</i> | <i>0.27</i> | <i>0.38</i> | <i>0.31</i> | <i>0.25</i> | <i>0.26</i> | <i>0.38</i> | 0.28 | <i>0.31</i> | <i>0.30</i> |
| Other Hydrocarbons/Oxygenates | 0.87 | 0.95 | 0.99 | 1.01 | 0.96 | <i>0.99</i> | <i>0.94</i> | <i>0.94</i> | <i>0.95</i> | <i>0.97</i> | <i>0.96</i> | <i>0.96</i> | 0.96 | <i>0.96</i> | <i>0.96</i> |
| Unfinished Oils | 0.42 | 0.58 | 0.66 | 0.70 | 0.48 | <i>0.72</i> | <i>0.71</i> | <i>0.67</i> | <i>0.51</i> | <i>0.68</i> | <i>0.73</i> | <i>0.68</i> | 0.59 | <i>0.65</i> | <i>0.65</i> |
| Motor Gasoline Blend Components | 0.47 | 0.70 | 0.85 | 0.62 | 0.60 | <i>0.85</i> | <i>0.73</i> | <i>0.59</i> | <i>0.62</i> | <i>0.74</i> | <i>0.75</i> | <i>0.61</i> | 0.66 | <i>0.69</i> | <i>0.68</i> |
| Aviation Gasoline Blend Components | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | <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> | 0.00 | <i>0.00</i> | <i>0.00</i> |
| Total Refinery and Blender Net Inputs | 16.17 | 17.86 | 18.02 | 17.38 | 16.78 | <i>17.70</i> | <i>18.01</i> | <i>17.37</i> | <i>17.06</i> | <i>17.97</i> | <i>18.05</i> | <i>17.43</i> | 17.36 | <i>17.47</i> | <i>17.63</i> |
| Refinery Processing Gain | 1.02 | 1.06 | 1.09 | 1.09 | 1.03 | <i>1.02</i> | <i>1.03</i> | <i>1.04</i> | <i>1.00</i> | <i>1.03</i> | <i>1.05</i> | <i>1.05</i> | 1.06 | <i>1.03</i> | <i>1.03</i> |
| Refinery and Blender Net Production | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gas | 0.57 | 0.85 | 0.75 | 0.44 | 0.52 | <i>0.82</i> | <i>0.77</i> | <i>0.43</i> | <i>0.53</i> | <i>0.83</i> | <i>0.77</i> | <i>0.43</i> | 0.65 | <i>0.63</i> | <i>0.64</i> |
| Finished Motor Gasoline | 8.58 | 9.09 | 9.35 | 9.16 | 8.76 | <i>9.19</i> | <i>9.22</i> | <i>9.12</i> | <i>8.84</i> | <i>9.18</i> | <i>9.25</i> | <i>9.16</i> | 9.05 | <i>9.08</i> | <i>9.11</i> |
| Jet Fuel | 1.35 | 1.47 | 1.47 | 1.38 | 1.37 | <i>1.46</i> | <i>1.48</i> | <i>1.41</i> | <i>1.41</i> | <i>1.45</i> | <i>1.49</i> | <i>1.40</i> | 1.42 | <i>1.43</i> | <i>1.44</i> |
| Distillate Fuel | 3.69 | 4.31 | 4.39 | 4.50 | 4.21 | <i>4.26</i> | <i>4.42</i> | <i>4.40</i> | <i>4.25</i> | <i>4.37</i> | <i>4.39</i> | <i>4.43</i> | 4.23 | <i>4.32</i> | <i>4.36</i> |
| Residual Fuel | 0.61 | 0.59 | 0.57 | 0.56 | 0.53 | <i>0.55</i> | <i>0.56</i> | <i>0.59</i> | <i>0.59</i> | <i>0.58</i> | <i>0.56</i> | <i>0.59</i> | 0.58 | <i>0.56</i> | <i>0.58</i> |
| Other Oils (a) | 2.39 | 2.60 | 2.58 | 2.45 | 2.41 | <i>2.44</i> | <i>2.60</i> | <i>2.46</i> | <i>2.43</i> | <i>2.59</i> | <i>2.64</i> | <i>2.48</i> | 2.51 | <i>2.48</i> | <i>2.53</i> |
| Total Refinery and Blender Net Production | 17.19 | 18.91 | 19.11 | 18.47 | 17.80 | <i>18.72</i> | <i>19.05</i> | <i>18.41</i> | <i>18.06</i> | <i>19.00</i> | <i>19.10</i> | <i>18.48</i> | 18.43 | <i>18.50</i> | <i>18.66</i> |
| Refinery Distillation Inputs | 14.32 | 15.65 | 15.62 | 15.05 | 14.69 | <i>15.11</i> | <i>15.55</i> | <i>14.98</i> | <i>14.86</i> | <i>15.48</i> | <i>15.53</i> | <i>14.99</i> | 15.16 | <i>15.08</i> | <i>15.22</i> |
| Refinery Operable Distillation Capacity | 17.58 | 17.59 | 17.59 | 17.59 | 17.70 | <i>17.71</i> | <i>17.70</i> | <i>17.70</i> | <i>17.70</i> | <i>17.70</i> | <i>17.70</i> | <i>17.70</i> | 17.59 | <i>17.70</i> | <i>17.70</i> |
| Refinery Distillation Utilization Factor | 0.81 | 0.89 | 0.89 | 0.86 | 0.83 | <i>0.85</i> | <i>0.88</i> | <i>0.85</i> | <i>0.84</i> | <i>0.87</i> | <i>0.88</i> | <i>0.85</i> | 0.86 | <i>0.85</i> | <i>0.86</i> |

- = no data available

(a) "Other Oils" includes aviation gasoline blend components, finished aviation gasoline, kerosene, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt and road oil, still gas, and miscellaneous products.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Petroleum Supply Monthly*, DOE/EIA-0109; *Petroleum Supply Annual*, DOE/EIA-0340/2; *Weekly Petroleum Status Report*, DOE/EIA-0208.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 4c. U.S. Regional Motor Gasoline Prices and Inventories
 Energy Information Administration/Short-Term Energy Outlook - July 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| Prices (cents per gallon) | | | | | | | | | | | | | | | |
| Refiner Wholesale Price | 211 | 218 | 210 | 227 | 267 | <i>305</i> | <i>294</i> | <i>286</i> | <i>290</i> | <i>304</i> | <i>303</i> | <i>294</i> | 217 | <i>288</i> | <i>298</i> |
| Gasoline Regular Grade Retail Prices Including Taxes | | | | | | | | | | | | | | | |
| PADD 1 | 271 | 278 | 265 | 288 | 329 | <i>377</i> | <i>361</i> | <i>350</i> | <i>355</i> | <i>368</i> | <i>369</i> | <i>359</i> | 275 | <i>355</i> | <i>363</i> |
| PADD 2 | 265 | 276 | 270 | 286 | 326 | <i>380</i> | <i>359</i> | <i>345</i> | <i>349</i> | <i>364</i> | <i>366</i> | <i>353</i> | 274 | <i>353</i> | <i>358</i> |
| PADD 3 | 259 | 269 | 257 | 272 | 314 | <i>365</i> | <i>345</i> | <i>336</i> | <i>342</i> | <i>357</i> | <i>355</i> | <i>345</i> | 264 | <i>340</i> | <i>349</i> |
| PADD 4 | 264 | 284 | 279 | 279 | 311 | <i>365</i> | <i>361</i> | <i>347</i> | <i>346</i> | <i>365</i> | <i>370</i> | <i>357</i> | 277 | <i>346</i> | <i>360</i> |
| PADD 5 | 294 | 304 | 304 | 311 | 353 | <i>400</i> | <i>387</i> | <i>377</i> | <i>382</i> | <i>402</i> | <i>400</i> | <i>388</i> | 303 | <i>380</i> | <i>393</i> |
| U.S. Average | 271 | 281 | 272 | 288 | 329 | <i>380</i> | <i>362</i> | <i>351</i> | <i>355</i> | <i>371</i> | <i>371</i> | <i>360</i> | 278 | <i>356</i> | <i>365</i> |
| Gasoline All Grades Including Taxes | 277 | 286 | 277 | 294 | 335 | <i>385</i> | <i>368</i> | <i>357</i> | <i>361</i> | <i>377</i> | <i>377</i> | <i>366</i> | 283 | <i>361</i> | <i>370</i> |
| End-of-period Inventories (million barrels) | | | | | | | | | | | | | | | |
| Total Gasoline Inventories | | | | | | | | | | | | | | | |
| PADD 1 | 56.6 | 59.9 | 55.3 | 52.7 | 55.0 | <i>55.3</i> | <i>55.5</i> | <i>56.9</i> | <i>56.7</i> | <i>57.5</i> | <i>55.8</i> | <i>57.9</i> | 52.7 | <i>56.9</i> | <i>57.9</i> |
| PADD 2 | 55.2 | 48.9 | 52.5 | 49.1 | 50.5 | <i>49.6</i> | <i>50.6</i> | <i>50.3</i> | <i>51.4</i> | <i>50.5</i> | <i>50.1</i> | <i>51.0</i> | 49.1 | <i>50.3</i> | <i>51.0</i> |
| PADD 3 | 74.2 | 72.5 | 73.9 | 78.4 | 70.3 | <i>71.2</i> | <i>69.9</i> | <i>72.9</i> | <i>73.9</i> | <i>72.9</i> | <i>70.6</i> | <i>73.8</i> | 78.4 | <i>72.9</i> | <i>73.8</i> |
| PADD 4 | 5.9 | 6.4 | 6.5 | 7.0 | 6.5 | <i>6.9</i> | <i>6.6</i> | <i>7.1</i> | <i>6.8</i> | <i>6.3</i> | <i>6.4</i> | <i>7.0</i> | 7.0 | <i>7.1</i> | <i>7.0</i> |
| PADD 5 | 32.1 | 27.2 | 31.1 | 32.3 | 32.7 | <i>29.5</i> | <i>28.3</i> | <i>30.4</i> | <i>29.7</i> | <i>30.3</i> | <i>29.0</i> | <i>30.4</i> | 32.3 | <i>30.4</i> | <i>30.4</i> |
| U.S. Total | 224.0 | 214.8 | 219.3 | 219.5 | 214.9 | <i>212.5</i> | <i>211.0</i> | <i>217.6</i> | <i>218.4</i> | <i>217.5</i> | <i>211.9</i> | <i>220.2</i> | 219.5 | <i>217.6</i> | <i>220.2</i> |
| Finished Gasoline Inventories | | | | | | | | | | | | | | | |
| U.S. Total | 81.9 | 71.8 | 70.2 | 63.4 | 60.8 | <i>56.8</i> | <i>56.9</i> | <i>57.2</i> | <i>54.9</i> | <i>58.0</i> | <i>57.8</i> | <i>58.2</i> | 63.4 | <i>57.2</i> | <i>58.2</i> |
| Gasoline Blending Components Inventories | | | | | | | | | | | | | | | |
| U.S. Total | 142.1 | 143.0 | 149.1 | 156.1 | 154.1 | <i>155.8</i> | <i>154.1</i> | <i>160.3</i> | <i>163.6</i> | <i>159.5</i> | <i>154.0</i> | <i>162.0</i> | 156.1 | <i>160.3</i> | <i>162.0</i> |

- = no data available

Prices are not adjusted for inflation.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Regions refer to Petroleum Administration for Defense Districts (PADD).

See "Petroleum for Administration Defense District" in EIA's Energy Glossary (<http://www.eia.doe.gov/glossary/index.html>) for a list of States in each region.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Petroleum Marketing Monthly*, DOE/EIA-0380; *Petroleum Supply Monthly*, DOE/EIA-0109; *Petroleum Supply Annual*, DOE/EIA-0340/2; and *Weekly Petroleum Status Report*, DOE/EIA-0208.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 5a. U.S. Natural Gas Supply, Consumption, and Inventories
 Energy Information Administration/Short-Term Energy Outlook - July 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|---|--------------|---------------|--------------|--------------|--------------|---------------|---------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| Supply (billion cubic feet per day) | | | | | | | | | | | | | | | |
| Total Marketed Production | 60.59 | 61.27 | 61.97 | 63.46 | 63.83 | <i>65.90</i> | <i>65.82</i> | <i>65.99</i> | <i>66.00</i> | <i>65.80</i> | <i>65.80</i> | <i>66.26</i> | 61.83 | <i>65.39</i> | <i>65.97</i> |
| Alaska | 1.16 | 0.98 | 0.89 | 1.11 | 1.12 | <i>1.02</i> | <i>0.95</i> | <i>1.07</i> | <i>1.14</i> | <i>0.94</i> | <i>0.97</i> | <i>1.09</i> | 1.03 | <i>1.04</i> | <i>1.03</i> |
| Federal GOM (a) | 6.67 | 6.22 | 5.94 | 5.82 | 5.60 | <i>5.59</i> | <i>5.19</i> | <i>5.41</i> | <i>5.51</i> | <i>5.40</i> | <i>5.09</i> | <i>5.20</i> | 6.16 | <i>5.45</i> | <i>5.30</i> |
| Lower 48 States (excl GOM) | 52.77 | 54.07 | 55.14 | 56.54 | 57.10 | <i>59.30</i> | <i>59.68</i> | <i>59.50</i> | <i>59.35</i> | <i>59.47</i> | <i>59.74</i> | <i>59.98</i> | 54.64 | <i>58.91</i> | <i>59.63</i> |
| Total Dry Gas Production | 57.93 | 58.56 | 59.28 | 60.66 | 61.05 | <i>62.99</i> | <i>62.91</i> | <i>63.07</i> | <i>63.09</i> | <i>62.89</i> | <i>62.89</i> | <i>63.34</i> | 59.12 | <i>62.51</i> | <i>63.05</i> |
| Gross Imports | 11.41 | 9.65 | 9.93 | 9.97 | 11.07 | <i>9.03</i> | <i>9.51</i> | <i>9.19</i> | <i>10.52</i> | <i>8.83</i> | <i>9.19</i> | <i>8.77</i> | 10.24 | <i>9.70</i> | <i>9.33</i> |
| Pipeline | 9.86 | 8.44 | 8.99 | 8.95 | 9.84 | <i>8.02</i> | <i>8.66</i> | <i>8.32</i> | <i>9.32</i> | <i>7.85</i> | <i>8.35</i> | <i>7.90</i> | 9.06 | <i>8.71</i> | <i>8.36</i> |
| LNG | 1.55 | 1.22 | 0.94 | 1.02 | 1.23 | <i>1.01</i> | <i>0.85</i> | <i>0.87</i> | <i>1.19</i> | <i>0.98</i> | <i>0.84</i> | <i>0.87</i> | 1.18 | <i>0.99</i> | <i>0.97</i> |
| Gross Exports | 3.12 | 2.77 | 2.71 | 3.85 | 4.50 | <i>4.20</i> | <i>3.99</i> | <i>4.23</i> | <i>4.55</i> | <i>4.25</i> | <i>4.05</i> | <i>4.29</i> | 3.11 | <i>4.23</i> | <i>4.28</i> |
| Net Imports | 8.29 | 6.89 | 7.22 | 6.12 | 6.57 | <i>4.83</i> | <i>5.52</i> | <i>4.96</i> | <i>5.97</i> | <i>4.58</i> | <i>5.14</i> | <i>4.48</i> | 7.12 | <i>5.47</i> | <i>5.04</i> |
| Supplemental Gaseous Fuels | 0.20 | 0.16 | 0.19 | 0.19 | 0.20 | <i>0.16</i> | <i>0.17</i> | <i>0.19</i> | <i>0.19</i> | <i>0.16</i> | <i>0.17</i> | <i>0.19</i> | 0.18 | <i>0.18</i> | <i>0.18</i> |
| Net Inventory Withdrawals | 16.26 | -11.94 | -8.22 | 4.08 | 16.97 | <i>-10.44</i> | <i>-11.28</i> | <i>4.27</i> | <i>14.77</i> | <i>-11.17</i> | <i>-8.97</i> | <i>4.17</i> | -0.01 | <i>-0.18</i> | <i>-0.31</i> |
| Total Supply | 82.67 | 53.67 | 58.47 | 71.05 | 84.80 | <i>57.54</i> | <i>57.31</i> | <i>72.49</i> | <i>84.01</i> | <i>56.47</i> | <i>59.24</i> | <i>72.17</i> | 66.41 | <i>67.98</i> | <i>67.96</i> |
| Balancing Item (b) | 0.75 | 0.75 | -0.53 | -2.10 | -0.89 | <i>-0.86</i> | <i>0.54</i> | <i>-0.96</i> | <i>-1.11</i> | <i>-0.46</i> | <i>-0.49</i> | <i>-0.53</i> | -0.29 | <i>-0.54</i> | <i>-0.65</i> |
| Total Primary Supply | 83.41 | 54.42 | 57.93 | 68.95 | 83.91 | <i>56.68</i> | <i>57.85</i> | <i>71.53</i> | <i>82.90</i> | <i>56.01</i> | <i>58.75</i> | <i>71.64</i> | 66.12 | <i>67.43</i> | <i>67.32</i> |
| Consumption (billion cubic feet per day) | | | | | | | | | | | | | | | |
| Residential | 26.69 | 7.33 | 3.76 | 16.70 | 26.18 | <i>7.51</i> | <i>3.64</i> | <i>17.60</i> | <i>25.14</i> | <i>6.99</i> | <i>3.62</i> | <i>17.59</i> | 13.57 | <i>13.68</i> | <i>13.32</i> |
| Commercial | 14.81 | 5.73 | 4.24 | 10.45 | 14.67 | <i>5.75</i> | <i>3.95</i> | <i>10.53</i> | <i>14.11</i> | <i>5.48</i> | <i>3.92</i> | <i>10.58</i> | 8.78 | <i>8.70</i> | <i>8.51</i> |
| Industrial | 19.70 | 17.12 | 17.01 | 18.53 | 20.22 | <i>17.86</i> | <i>17.47</i> | <i>19.17</i> | <i>20.60</i> | <i>18.05</i> | <i>17.76</i> | <i>19.34</i> | 18.08 | <i>18.67</i> | <i>18.94</i> |
| Electric Power (c) | 16.37 | 19.11 | 27.66 | 17.62 | 16.79 | <i>20.07</i> | <i>27.21</i> | <i>18.35</i> | <i>16.74</i> | <i>19.94</i> | <i>27.88</i> | <i>18.25</i> | 20.21 | <i>20.63</i> | <i>20.71</i> |
| Lease and Plant Fuel | 3.58 | 3.62 | 3.66 | 3.75 | 3.77 | <i>3.89</i> | <i>3.89</i> | <i>3.89</i> | <i>3.90</i> | <i>3.88</i> | <i>3.88</i> | <i>3.91</i> | 3.65 | <i>3.86</i> | <i>3.89</i> |
| Pipeline and Distribution Use | 2.18 | 1.43 | 1.52 | 1.81 | 2.20 | <i>1.52</i> | <i>1.61</i> | <i>1.89</i> | <i>2.33</i> | <i>1.58</i> | <i>1.60</i> | <i>1.89</i> | 1.73 | <i>1.80</i> | <i>1.85</i> |
| Vehicle Use | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | <i>0.09</i> | <i>0.09</i> | <i>0.09</i> | <i>0.09</i> | <i>0.09</i> | <i>0.09</i> | <i>0.09</i> | 0.09 | <i>0.09</i> | <i>0.09</i> |
| Total Consumption | 83.41 | 54.42 | 57.93 | 68.95 | 83.91 | <i>56.68</i> | <i>57.85</i> | <i>71.53</i> | <i>82.90</i> | <i>56.01</i> | <i>58.75</i> | <i>71.64</i> | 66.12 | <i>67.43</i> | <i>67.32</i> |
| End-of-period Inventories (billion cubic feet) | | | | | | | | | | | | | | | |
| Working Gas Inventory | 1,662 | 2,741 | 3,500 | 3,107 | 1,581 | <i>2,527</i> | <i>3,565</i> | <i>3,172</i> | <i>1,828</i> | <i>2,844</i> | <i>3,669</i> | <i>3,286</i> | 3,107 | <i>3,172</i> | <i>3,286</i> |
| Producing Region (d) | 627 | 962 | 1,092 | 1,077 | 738 | <i>987</i> | <i>1,159</i> | <i>1,088</i> | <i>791</i> | <i>1,046</i> | <i>1,159</i> | <i>1,100</i> | 1,077 | <i>1,088</i> | <i>1,100</i> |
| East Consuming Region (d) | 744 | 1,330 | 1,913 | 1,591 | 618 | <i>1,189</i> | <i>1,930</i> | <i>1,678</i> | <i>769</i> | <i>1,385</i> | <i>2,023</i> | <i>1,744</i> | 1,591 | <i>1,678</i> | <i>1,744</i> |
| West Consuming Region (d) | 291 | 450 | 495 | 439 | 225 | <i>351</i> | <i>477</i> | <i>405</i> | <i>268</i> | <i>414</i> | <i>487</i> | <i>442</i> | 439 | <i>405</i> | <i>442</i> |

- = no data available

(a) Marketed production from U.S. Federal leases in the Gulf of Mexico.

(b) 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.

(c) Natural gas used for electricity generation and (a limited amount of) useful thermal output by electric utilities and independent power producers.

(d) For a list of States in each inventory region refer to *Methodology for EIA Weekly Underground Natural Gas Storage Estimates* (<http://tonto.eia.doe.gov/oog/info/ngs/methodology.html>).

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

LNG: liquefied natural gas.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Natural Gas Monthly*, DOE/EIA-0130; and *Electric Power Monthly*, DOE/EIA-0226.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 5b. U.S. Regional Natural Gas Prices (dollars per thousand cubic feet)

Energy Information Administration/Short-Term Energy Outlook - July 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| Wholesale/Spot | | | | | | | | | | | | | | | |
| U.S. Average Wellhead | 4.79 | 4.07 | 4.11 | 3.67 | 4.06 | <i>4.02</i> | <i>3.85</i> | <i>4.18</i> | <i>4.33</i> | <i>4.03</i> | <i>4.22</i> | <i>4.59</i> | 4.15 | <i>4.03</i> | <i>4.29</i> |
| Henry Hub Spot Price | 5.30 | 4.45 | 4.41 | 3.91 | 4.31 | <i>4.50</i> | <i>4.27</i> | <i>4.51</i> | <i>4.71</i> | <i>4.34</i> | <i>4.57</i> | <i>5.07</i> | 4.52 | <i>4.40</i> | <i>4.67</i> |
| Residential | | | | | | | | | | | | | | | |
| New England | 14.33 | 15.56 | 17.73 | 14.29 | 13.99 | <i>14.57</i> | <i>17.35</i> | <i>14.90</i> | <i>14.53</i> | <i>15.48</i> | <i>18.40</i> | <i>15.76</i> | 14.78 | <i>14.60</i> | <i>15.32</i> |
| Middle Atlantic | 12.79 | 15.17 | 18.46 | 12.74 | 11.85 | <i>13.89</i> | <i>18.20</i> | <i>14.33</i> | <i>13.19</i> | <i>14.56</i> | <i>18.63</i> | <i>14.76</i> | 13.46 | <i>13.28</i> | <i>14.20</i> |
| E. N. Central | 9.54 | 12.24 | 16.66 | 9.37 | 8.87 | <i>11.05</i> | <i>16.46</i> | <i>10.72</i> | <i>9.86</i> | <i>11.81</i> | <i>17.24</i> | <i>11.34</i> | 10.24 | <i>10.16</i> | <i>11.00</i> |
| W. N. Central | 9.09 | 11.89 | 16.50 | 9.34 | 8.84 | <i>11.17</i> | <i>17.08</i> | <i>10.01</i> | <i>9.11</i> | <i>11.72</i> | <i>18.02</i> | <i>10.74</i> | 9.91 | <i>9.96</i> | <i>10.42</i> |
| S. Atlantic | 12.61 | 18.74 | 24.07 | 12.28 | 11.97 | <i>17.35</i> | <i>24.41</i> | <i>15.46</i> | <i>13.60</i> | <i>18.20</i> | <i>25.14</i> | <i>16.33</i> | 13.71 | <i>14.46</i> | <i>15.72</i> |
| E. S. Central | 10.50 | 14.81 | 17.75 | 10.73 | 9.91 | <i>13.81</i> | <i>18.22</i> | <i>12.77</i> | <i>12.12</i> | <i>15.19</i> | <i>19.40</i> | <i>13.84</i> | 11.33 | <i>11.59</i> | <i>13.34</i> |
| W. S. Central | 9.72 | 13.93 | 18.19 | 10.22 | 8.60 | <i>14.28</i> | <i>18.50</i> | <i>11.43</i> | <i>10.38</i> | <i>14.32</i> | <i>19.31</i> | <i>12.21</i> | 10.94 | <i>10.80</i> | <i>12.07</i> |
| Mountain | 9.24 | 9.83 | 13.03 | 9.25 | 8.87 | <i>9.45</i> | <i>12.68</i> | <i>9.39</i> | <i>8.43</i> | <i>9.40</i> | <i>13.36</i> | <i>10.04</i> | 9.63 | <i>9.42</i> | <i>9.44</i> |
| Pacific | 10.43 | 10.47 | 11.10 | 9.89 | 9.98 | <i>10.41</i> | <i>10.42</i> | <i>10.27</i> | <i>10.53</i> | <i>10.38</i> | <i>11.12</i> | <i>10.92</i> | 10.37 | <i>10.20</i> | <i>10.68</i> |
| U.S. Average | 10.59 | 12.54 | 15.47 | 10.56 | 9.97 | <i>12.02</i> | <i>15.96</i> | <i>12.01</i> | <i>11.05</i> | <i>12.63</i> | <i>16.66</i> | <i>12.66</i> | 11.18 | <i>11.31</i> | <i>12.18</i> |
| Commercial | | | | | | | | | | | | | | | |
| New England | 11.68 | 11.68 | 11.45 | 11.01 | 11.14 | <i>11.23</i> | <i>11.60</i> | <i>12.10</i> | <i>12.27</i> | <i>12.34</i> | <i>12.32</i> | <i>12.71</i> | 11.47 | <i>11.46</i> | <i>12.40</i> |
| Middle Atlantic | 10.76 | 9.77 | 9.51 | 9.70 | 9.85 | <i>9.55</i> | <i>9.64</i> | <i>10.94</i> | <i>10.80</i> | <i>10.32</i> | <i>10.20</i> | <i>11.30</i> | 10.15 | <i>10.08</i> | <i>10.78</i> |
| E. N. Central | 8.85 | 9.24 | 9.67 | 8.14 | 8.42 | <i>8.95</i> | <i>9.41</i> | <i>8.96</i> | <i>9.04</i> | <i>9.44</i> | <i>9.87</i> | <i>9.49</i> | 8.76 | <i>8.74</i> | <i>9.29</i> |
| W. N. Central | 8.36 | 8.38 | 9.54 | 7.70 | 7.92 | <i>8.20</i> | <i>9.34</i> | <i>8.16</i> | <i>8.35</i> | <i>8.46</i> | <i>9.99</i> | <i>8.63</i> | 8.28 | <i>8.14</i> | <i>8.57</i> |
| S. Atlantic | 10.53 | 10.74 | 10.74 | 9.50 | 9.80 | <i>10.53</i> | <i>10.86</i> | <i>11.09</i> | <i>10.92</i> | <i>11.21</i> | <i>11.57</i> | <i>11.68</i> | 10.28 | <i>10.53</i> | <i>11.29</i> |
| E. S. Central | 9.42 | 10.12 | 10.23 | 9.08 | 8.80 | <i>9.57</i> | <i>10.47</i> | <i>10.64</i> | <i>10.22</i> | <i>10.68</i> | <i>11.12</i> | <i>11.31</i> | 9.51 | <i>9.57</i> | <i>10.67</i> |
| W. S. Central | 8.48 | 9.06 | 9.17 | 7.62 | 7.34 | <i>8.40</i> | <i>9.18</i> | <i>8.99</i> | <i>8.51</i> | <i>8.82</i> | <i>9.66</i> | <i>9.58</i> | 8.48 | <i>8.22</i> | <i>8.99</i> |
| Mountain | 8.33 | 8.11 | 8.89 | 8.12 | 7.99 | <i>7.91</i> | <i>8.59</i> | <i>8.53</i> | <i>8.39</i> | <i>8.29</i> | <i>9.20</i> | <i>8.99</i> | 8.29 | <i>8.20</i> | <i>8.63</i> |
| Pacific | 9.48 | 8.97 | 9.21 | 9.10 | 9.15 | <i>8.88</i> | <i>8.66</i> | <i>9.33</i> | <i>9.35</i> | <i>8.70</i> | <i>8.96</i> | <i>9.78</i> | 9.21 | <i>9.06</i> | <i>9.26</i> |
| U.S. Average | 9.30 | 9.25 | 9.63 | 8.66 | 8.74 | <i>9.13</i> | <i>9.62</i> | <i>9.76</i> | <i>9.65</i> | <i>9.67</i> | <i>10.16</i> | <i>10.26</i> | 9.14 | <i>9.22</i> | <i>9.90</i> |
| Industrial | | | | | | | | | | | | | | | |
| New England | 11.41 | 9.74 | 9.07 | 10.21 | 10.67 | <i>10.39</i> | <i>10.38</i> | <i>11.38</i> | <i>12.35</i> | <i>11.33</i> | <i>10.76</i> | <i>12.19</i> | 10.37 | <i>10.78</i> | <i>11.84</i> |
| Middle Atlantic | 10.04 | 9.01 | 9.01 | 9.54 | 9.58 | <i>8.77</i> | <i>8.73</i> | <i>10.26</i> | <i>10.44</i> | <i>8.79</i> | <i>8.72</i> | <i>10.78</i> | 9.60 | <i>9.48</i> | <i>9.98</i> |
| E. N. Central | 7.98 | 7.01 | 6.96 | 6.88 | 7.39 | <i>7.20</i> | <i>7.28</i> | <i>7.40</i> | <i>7.90</i> | <i>7.27</i> | <i>7.46</i> | <i>7.94</i> | 7.38 | <i>7.34</i> | <i>7.75</i> |
| W. N. Central | 6.73 | 5.65 | 5.59 | 5.74 | 6.28 | <i>5.40</i> | <i>5.26</i> | <i>6.02</i> | <i>6.62</i> | <i>5.36</i> | <i>5.53</i> | <i>6.41</i> | 6.01 | <i>5.78</i> | <i>6.06</i> |
| S. Atlantic | 7.61 | 6.14 | 6.28 | 6.09 | 6.52 | <i>6.46</i> | <i>7.17</i> | <i>7.68</i> | <i>7.71</i> | <i>6.82</i> | <i>7.42</i> | <i>8.24</i> | 6.61 | <i>6.98</i> | <i>7.58</i> |
| E. S. Central | 7.21 | 5.64 | 5.61 | 5.44 | 5.83 | <i>5.91</i> | <i>6.42</i> | <i>7.13</i> | <i>7.49</i> | <i>6.28</i> | <i>6.73</i> | <i>7.59</i> | 6.06 | <i>6.34</i> | <i>7.06</i> |
| W. S. Central | 5.58 | 4.36 | 4.59 | 3.98 | 4.24 | <i>4.61</i> | <i>4.78</i> | <i>4.71</i> | <i>4.81</i> | <i>4.71</i> | <i>4.89</i> | <i>5.12</i> | 4.62 | <i>4.60</i> | <i>4.88</i> |
| Mountain | 7.32 | 6.36 | 6.59 | 6.40 | 6.81 | <i>6.18</i> | <i>6.67</i> | <i>7.68</i> | <i>7.95</i> | <i>6.83</i> | <i>7.21</i> | <i>8.21</i> | 6.72 | <i>6.87</i> | <i>7.63</i> |
| Pacific | 7.77 | 7.01 | 7.01 | 6.92 | 7.23 | <i>6.72</i> | <i>6.63</i> | <i>7.80</i> | <i>8.18</i> | <i>6.79</i> | <i>6.62</i> | <i>8.15</i> | 7.21 | <i>7.12</i> | <i>7.53</i> |
| U.S. Average | 6.51 | 4.98 | 5.07 | 4.89 | 5.40 | <i>5.24</i> | <i>5.36</i> | <i>5.80</i> | <i>6.17</i> | <i>5.37</i> | <i>5.49</i> | <i>6.22</i> | 5.40 | <i>5.46</i> | <i>5.83</i> |

- = no data available

Prices are not adjusted for inflation.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Regions refer to U.S. Census divisions.

 See "Census division" in EIA's Energy Glossary (<http://www.eia.doe.gov/glossary/index.html>) for a list of States in each region.

Historical data: Latest data available from Energy Information Administration databases supporting the *Natural Gas Monthly*, DOE/EIA-0130.

 Natural gas Henry Hub spot price from Reuter's News Service (<http://www.reuters.com>).

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 6. U.S. Coal Supply, Consumption, and Inventories
 Energy Information Administration/Short-Term Energy Outlook - July 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| Supply (million short tons) | | | | | | | | | | | | | | | |
| Production | 265.3 | 265.1 | 278.2 | 276.6 | 271.2 | <i>256.2</i> | <i>273.2</i> | <i>271.7</i> | <i>280.8</i> | <i>263.7</i> | <i>274.0</i> | <i>272.8</i> | 1085.3 | <i>1072.3</i> | <i>1091.4</i> |
| Appalachia | 84.4 | 84.4 | 83.5 | 83.8 | 87.5 | <i>82.7</i> | <i>88.3</i> | <i>87.9</i> | <i>83.9</i> | <i>81.2</i> | <i>84.4</i> | <i>84.3</i> | 336.1 | <i>346.4</i> | <i>333.9</i> |
| Interior | 37.7 | 37.8 | 41.4 | 40.7 | 38.8 | <i>37.9</i> | <i>39.7</i> | <i>39.5</i> | <i>39.9</i> | <i>37.7</i> | <i>37.1</i> | <i>37.5</i> | 157.6 | <i>156.0</i> | <i>152.2</i> |
| Western | 143.3 | 142.8 | 153.3 | 152.1 | 145.0 | <i>135.7</i> | <i>145.1</i> | <i>144.3</i> | <i>157.0</i> | <i>144.8</i> | <i>152.5</i> | <i>151.0</i> | 591.6 | <i>570.1</i> | <i>605.2</i> |
| Primary Inventory Withdrawals | -2.4 | 1.5 | 6.2 | 0.3 | 4.8 | <i>-1.7</i> | <i>1.0</i> | <i>1.2</i> | <i>-4.6</i> | <i>0.5</i> | <i>3.8</i> | <i>-0.2</i> | 5.6 | <i>5.2</i> | <i>-0.5</i> |
| Imports | 4.8 | 5.1 | 4.7 | 4.8 | 3.4 | <i>3.6</i> | <i>5.0</i> | <i>4.7</i> | <i>4.5</i> | <i>4.4</i> | <i>5.2</i> | <i>4.8</i> | 19.4 | <i>16.7</i> | <i>18.8</i> |
| Exports | 17.8 | 22.0 | 21.1 | 20.9 | 26.6 | <i>25.5</i> | <i>22.1</i> | <i>21.9</i> | <i>18.6</i> | <i>22.2</i> | <i>21.5</i> | <i>20.6</i> | 81.7 | <i>96.1</i> | <i>82.8</i> |
| Metallurgical Coal | 14.2 | 15.6 | 13.0 | 13.3 | 17.2 | <i>17.1</i> | <i>15.1</i> | <i>14.9</i> | <i>14.5</i> | <i>15.2</i> | <i>13.4</i> | <i>13.6</i> | 56.1 | <i>64.2</i> | <i>56.8</i> |
| Steam Coal | 3.6 | 6.4 | 8.0 | 7.6 | 9.5 | <i>8.4</i> | <i>7.0</i> | <i>7.0</i> | <i>4.1</i> | <i>6.9</i> | <i>8.1</i> | <i>6.9</i> | 25.6 | <i>31.9</i> | <i>26.1</i> |
| Total Primary Supply | 249.9 | 249.7 | 268.0 | 260.8 | 252.8 | <i>247.5</i> | <i>257.0</i> | <i>255.7</i> | <i>262.1</i> | <i>246.4</i> | <i>261.5</i> | <i>256.8</i> | 1028.5 | <i>1013.1</i> | <i>1026.8</i> |
| Secondary Inventory Withdrawals | 13.1 | -3.8 | 18.1 | -12.5 | 9.3 | <i>-10.2</i> | <i>13.1</i> | <i>-4.7</i> | <i>6.7</i> | <i>-10.3</i> | <i>12.3</i> | <i>-4.6</i> | 14.9 | <i>7.5</i> | <i>4.2</i> |
| Waste Coal (a) | 3.1 | 3.3 | 3.2 | 3.2 | 3.2 | <i>3.2</i> | <i>3.2</i> | <i>3.2</i> | <i>3.2</i> | <i>3.2</i> | <i>3.2</i> | <i>3.2</i> | 12.7 | <i>12.7</i> | <i>12.8</i> |
| Total Supply | 266.1 | 249.1 | 289.4 | 251.6 | 265.3 | <i>240.5</i> | <i>273.3</i> | <i>254.2</i> | <i>272.1</i> | <i>239.3</i> | <i>277.0</i> | <i>255.4</i> | 1056.1 | <i>1033.3</i> | <i>1043.8</i> |
| Consumption (million short tons) | | | | | | | | | | | | | | | |
| Coke Plants | 4.9 | 5.4 | 5.5 | 5.4 | 5.4 | <i>5.1</i> | <i>6.0</i> | <i>5.7</i> | <i>6.4</i> | <i>6.1</i> | <i>6.9</i> | <i>6.3</i> | 21.1 | <i>22.2</i> | <i>25.8</i> |
| Electric Power Sector (b) | 246.3 | 229.8 | 267.9 | 231.6 | 235.1 | <i>225.1</i> | <i>255.2</i> | <i>235.8</i> | <i>252.5</i> | <i>220.7</i> | <i>257.6</i> | <i>235.7</i> | 975.6 | <i>951.2</i> | <i>966.5</i> |
| Retail and Other Industry | 13.4 | 12.3 | 12.8 | 13.2 | 13.0 | <i>12.0</i> | <i>12.2</i> | <i>12.8</i> | <i>13.1</i> | <i>12.5</i> | <i>12.6</i> | <i>13.4</i> | 51.6 | <i>50.0</i> | <i>51.5</i> |
| Residential and Commercial | 1.0 | 0.6 | 0.6 | 0.8 | 1.1 | <i>0.6</i> | <i>0.6</i> | <i>0.8</i> | <i>1.0</i> | <i>0.8</i> | <i>0.8</i> | <i>1.2</i> | 3.1 | <i>3.1</i> | <i>3.9</i> |
| Other Industrial | 12.4 | 11.7 | 12.1 | 12.4 | 11.9 | <i>11.4</i> | <i>11.6</i> | <i>11.9</i> | <i>12.1</i> | <i>11.7</i> | <i>11.7</i> | <i>12.1</i> | 48.5 | <i>46.9</i> | <i>47.6</i> |
| Total Consumption | 264.6 | 247.4 | 286.1 | 250.1 | 254.0 | <i>242.2</i> | <i>273.3</i> | <i>254.2</i> | <i>272.1</i> | <i>239.3</i> | <i>277.0</i> | <i>255.4</i> | 1048.3 | <i>1023.7</i> | <i>1043.8</i> |
| Discrepancy (c) | 1.5 | 1.7 | 3.2 | 1.4 | 11.3 | <i>-1.7</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> | 7.8 | <i>9.6</i> | <i>0.0</i> |
| End-of-period Inventories (million short tons) | | | | | | | | | | | | | | | |
| Primary Inventories (d) | 50.2 | 48.7 | 42.4 | 42.2 | 37.3 | <i>39.1</i> | <i>38.1</i> | <i>36.9</i> | <i>41.5</i> | <i>41.0</i> | <i>37.2</i> | <i>37.4</i> | 42.2 | <i>36.9</i> | <i>37.4</i> |
| Secondary Inventories | 184.0 | 187.8 | 169.7 | 182.2 | 172.9 | <i>183.1</i> | <i>170.0</i> | <i>174.7</i> | <i>168.0</i> | <i>178.2</i> | <i>165.9</i> | <i>170.5</i> | 182.2 | <i>174.7</i> | <i>170.5</i> |
| Electric Power Sector | 177.8 | 181.1 | 162.8 | 175.2 | 167.0 | <i>176.5</i> | <i>162.9</i> | <i>167.2</i> | <i>161.4</i> | <i>170.9</i> | <i>158.1</i> | <i>162.3</i> | 175.2 | <i>167.2</i> | <i>162.3</i> |
| Retail and General Industry | 4.2 | 4.3 | 4.5 | 4.5 | 3.8 | <i>4.1</i> | <i>4.7</i> | <i>4.9</i> | <i>4.2</i> | <i>4.5</i> | <i>5.1</i> | <i>5.5</i> | 4.5 | <i>4.9</i> | <i>5.5</i> |
| Coke Plants | 1.6 | 2.0 | 1.9 | 1.9 | 1.6 | <i>2.0</i> | <i>2.0</i> | <i>2.0</i> | <i>1.8</i> | <i>2.2</i> | <i>2.1</i> | <i>2.2</i> | 1.9 | <i>2.0</i> | <i>2.2</i> |
| Coal Market Indicators | | | | | | | | | | | | | | | |
| Coal Miner Productivity | | | | | | | | | | | | | | | |
| (Tons per hour) | 5.58 | 5.58 | 5.59 | 5.60 | 5.57 | <i>5.57</i> | <i>5.57</i> | <i>5.57</i> | <i>5.70</i> | <i>5.70</i> | <i>5.70</i> | <i>5.70</i> | 5.59 | <i>5.57</i> | <i>5.70</i> |
| Total Raw Steel Production | | | | | | | | | | | | | | | |
| (Million short tons per day) | 0.234 | 0.253 | 0.245 | 0.237 | 0.257 | <i>0.263</i> | <i>0.265</i> | <i>0.249</i> | <i>0.259</i> | <i>0.274</i> | <i>0.266</i> | <i>0.251</i> | 0.242 | <i>0.258</i> | <i>0.262</i> |
| Cost of Coal to Electric Utilities | | | | | | | | | | | | | | | |
| (Dollars per million Btu) | 2.26 | 2.26 | 2.28 | 2.25 | 2.35 | <i>2.36</i> | <i>2.32</i> | <i>2.27</i> | <i>2.35</i> | <i>2.33</i> | <i>2.31</i> | <i>2.27</i> | 2.26 | <i>2.32</i> | <i>2.32</i> |

- = no data available

(a) Waste coal includes waste coal and coal slurry reprocessed into briquettes.

(b) Coal used for electricity generation and (a limited amount of) useful thermal output by electric utilities and independent power producers.

(c) The discrepancy reflects an unaccounted-for shipper and receiver reporting difference, assumed to be zero in the forecast period.

(d) Primary stocks are held at the mines and distribution points.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Quarterly Coal Report*, DOE/EIA-0121; and *Electric Power Monthly*, DOE/EIA-0226.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 7a. U.S. Electricity Industry Overview

Energy Information Administration/Short-Term Energy Outlook - July 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| Electricity Supply (billion kilowatthours per day) | | | | | | | | | | | | | | | |
| Electricity Generation | 11.01 | 10.90 | 12.65 | 10.58 | 11.04 | <i>10.96</i> | <i>12.39</i> | <i>10.71</i> | <i>11.32</i> | <i>11.08</i> | <i>12.66</i> | <i>10.92</i> | 11.29 | <i>11.28</i> | <i>11.50</i> |
| Electric Power Sector (a) | 10.61 | 10.50 | 12.22 | 10.19 | 10.65 | <i>10.58</i> | <i>11.95</i> | <i>10.29</i> | <i>10.90</i> | <i>10.66</i> | <i>12.21</i> | <i>10.50</i> | 10.88 | <i>10.87</i> | <i>11.07</i> |
| Industrial Sector | 0.38 | 0.38 | 0.40 | 0.37 | 0.37 | <i>0.37</i> | <i>0.41</i> | <i>0.39</i> | <i>0.41</i> | <i>0.39</i> | <i>0.42</i> | <i>0.40</i> | 0.38 | <i>0.38</i> | <i>0.41</i> |
| Commercial Sector | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | 0.02 | <i>0.02</i> | <i>0.02</i> |
| Net Imports | 0.12 | 0.07 | 0.06 | 0.04 | 0.08 | <i>0.08</i> | <i>0.11</i> | <i>0.08</i> | <i>0.08</i> | <i>0.08</i> | <i>0.11</i> | <i>0.07</i> | 0.07 | <i>0.08</i> | <i>0.08</i> |
| Total Supply | 11.13 | 10.97 | 12.71 | 10.62 | 11.12 | <i>11.04</i> | <i>12.49</i> | <i>10.78</i> | <i>11.40</i> | <i>11.16</i> | <i>12.77</i> | <i>10.99</i> | 11.36 | <i>11.36</i> | <i>11.58</i> |
| Losses and Unaccounted for (b) ... | 0.52 | 0.95 | 0.70 | 0.70 | 0.52 | <i>0.88</i> | <i>0.69</i> | <i>0.70</i> | <i>0.55</i> | <i>0.87</i> | <i>0.76</i> | <i>0.71</i> | 0.72 | <i>0.70</i> | <i>0.72</i> |
| Electricity Consumption (billion kilowatthours per day) | | | | | | | | | | | | | | | |
| Retail Sales | 10.25 | 9.66 | 11.62 | 9.56 | 10.25 | <i>9.81</i> | <i>11.41</i> | <i>9.71</i> | <i>10.47</i> | <i>9.92</i> | <i>11.61</i> | <i>9.90</i> | 10.27 | <i>10.30</i> | <i>10.47</i> |
| Residential Sector | 4.26 | 3.41 | 4.74 | 3.48 | 4.15 | <i>3.46</i> | <i>4.47</i> | <i>3.50</i> | <i>4.20</i> | <i>3.42</i> | <i>4.54</i> | <i>3.58</i> | 3.97 | <i>3.90</i> | <i>3.94</i> |
| Commercial Sector | 3.45 | 3.57 | 4.09 | 3.45 | 3.45 | <i>3.59</i> | <i>4.06</i> | <i>3.50</i> | <i>3.51</i> | <i>3.65</i> | <i>4.12</i> | <i>3.55</i> | 3.64 | <i>3.65</i> | <i>3.71</i> |
| Industrial Sector | 2.51 | 2.66 | 2.76 | 2.61 | 2.62 | <i>2.74</i> | <i>2.85</i> | <i>2.68</i> | <i>2.73</i> | <i>2.83</i> | <i>2.92</i> | <i>2.75</i> | 2.64 | <i>2.72</i> | <i>2.81</i> |
| Transportation Sector | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | 0.02 | <i>0.02</i> | <i>0.02</i> |
| Direct Use (c) | 0.37 | 0.36 | 0.39 | 0.36 | 0.35 | <i>0.35</i> | <i>0.39</i> | <i>0.37</i> | <i>0.39</i> | <i>0.37</i> | <i>0.40</i> | <i>0.38</i> | 0.37 | <i>0.37</i> | <i>0.39</i> |
| Total Consumption | 10.61 | 10.02 | 12.01 | 9.92 | 10.60 | <i>10.16</i> | <i>11.80</i> | <i>10.08</i> | <i>10.86</i> | <i>10.29</i> | <i>12.01</i> | <i>10.29</i> | 10.64 | <i>10.66</i> | <i>10.86</i> |
| Prices | | | | | | | | | | | | | | | |
| Power Generation Fuel Costs (dollars per million Btu) | | | | | | | | | | | | | | | |
| Coal | 2.26 | 2.26 | 2.28 | 2.25 | 2.35 | <i>2.36</i> | <i>2.32</i> | <i>2.27</i> | <i>2.35</i> | <i>2.33</i> | <i>2.31</i> | <i>2.27</i> | 2.26 | <i>2.32</i> | <i>2.32</i> |
| Natural Gas | 6.06 | 4.89 | 4.88 | 4.69 | 5.05 | <i>4.93</i> | <i>4.96</i> | <i>5.21</i> | <i>5.48</i> | <i>5.07</i> | <i>5.30</i> | <i>5.65</i> | 5.08 | <i>5.03</i> | <i>5.36</i> |
| Residual Fuel Oil | 12.10 | 12.36 | 12.36 | 14.19 | 15.88 | <i>18.18</i> | <i>18.11</i> | <i>18.24</i> | <i>18.52</i> | <i>18.75</i> | <i>18.82</i> | <i>18.92</i> | 12.63 | <i>17.74</i> | <i>18.76</i> |
| Distillate Fuel Oil | 15.84 | 16.48 | 16.18 | 17.94 | 20.99 | <i>23.49</i> | <i>23.17</i> | <i>23.39</i> | <i>23.24</i> | <i>23.33</i> | <i>23.63</i> | <i>24.04</i> | 16.60 | <i>22.73</i> | <i>23.58</i> |
| End-Use Prices (cents per kilowatthour) | | | | | | | | | | | | | | | |
| Residential Sector | 10.88 | 11.90 | 12.02 | 11.50 | 11.24 | <i>12.10</i> | <i>12.46</i> | <i>11.79</i> | <i>11.26</i> | <i>12.26</i> | <i>12.52</i> | <i>11.85</i> | 11.58 | <i>11.91</i> | <i>11.97</i> |
| Commercial Sector | 9.87 | 10.30 | 10.71 | 10.06 | 10.01 | <i>10.47</i> | <i>11.01</i> | <i>10.32</i> | <i>10.12</i> | <i>10.56</i> | <i>11.08</i> | <i>10.39</i> | 10.26 | <i>10.48</i> | <i>10.56</i> |
| Industrial Sector | 6.53 | 6.75 | 7.17 | 6.67 | 6.68 | <i>6.83</i> | <i>7.26</i> | <i>6.77</i> | <i>6.66</i> | <i>6.85</i> | <i>7.29</i> | <i>6.80</i> | 6.79 | <i>6.89</i> | <i>6.91</i> |

- = no data available

Prices are not adjusted for inflation.

(a) Electric utilities and independent power producers.

(b) Includes transmission and distribution losses, data collection time-frame differences, and estimation error.

(c) Direct Use represents commercial and industrial facility use of onsite net electricity generation; and electrical sales or transfers to adjacent or collocated facilities for which revenue information is not available. See Table 7.6 of the EIA *Monthly Energy Review*.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226; and *Electric Power Annual*, DOE/EIA-0348.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 7b. U.S. Regional Electricity Retail Sales (Million Kilowatthours per Day)

Energy Information Administration/Short-Term Energy Outlook - July 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|------------------------------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| Residential Sector | | | | | | | | | | | | | | | |
| New England | 141 | 114 | 150 | 122 | 145 | 116 | 142 | 123 | 145 | 117 | 144 | 125 | 132 | 131 | 133 |
| Middle Atlantic | 394 | 326 | 444 | 335 | 405 | 332 | 414 | 340 | 407 | 331 | 419 | 345 | 375 | 373 | 376 |
| E. N. Central | 579 | 456 | 639 | 481 | 577 | 456 | 595 | 487 | 584 | 462 | 610 | 494 | 539 | 529 | 537 |
| W. N. Central | 337 | 250 | 350 | 261 | 331 | 254 | 330 | 270 | 335 | 260 | 340 | 277 | 300 | 296 | 303 |
| S. Atlantic | 1,129 | 878 | 1,232 | 891 | 1,042 | 893 | 1,148 | 883 | 1,073 | 866 | 1,153 | 899 | 1,032 | 991 | 998 |
| E. S. Central | 405 | 291 | 428 | 294 | 373 | 290 | 398 | 289 | 377 | 286 | 401 | 301 | 354 | 337 | 341 |
| W. S. Central | 595 | 514 | 771 | 467 | 574 | 537 | 720 | 470 | 566 | 500 | 735 | 485 | 587 | 576 | 572 |
| Mountain | 243 | 227 | 325 | 225 | 248 | 226 | 319 | 233 | 252 | 232 | 325 | 241 | 255 | 257 | 263 |
| Pacific contiguous | 424 | 346 | 391 | 390 | 441 | 347 | 395 | 393 | 445 | 351 | 400 | 400 | 388 | 394 | 399 |
| AK and HI | 15 | 13 | 13 | 15 | 15 | 13 | 14 | 15 | 15 | 14 | 14 | 15 | 14 | 14 | 14 |
| Total | 4,261 | 3,414 | 4,742 | 3,482 | 4,152 | 3,465 | 4,475 | 3,503 | 4,199 | 3,419 | 4,541 | 3,582 | 3,975 | 3,898 | 3,936 |
| Commercial Sector | | | | | | | | | | | | | | | |
| New England | 123 | 120 | 137 | 119 | 123 | 121 | 137 | 121 | 128 | 123 | 138 | 122 | 125 | 126 | 128 |
| Middle Atlantic | 443 | 434 | 506 | 425 | 435 | 429 | 494 | 429 | 450 | 437 | 498 | 433 | 452 | 447 | 455 |
| E. N. Central | 490 | 491 | 555 | 481 | 497 | 489 | 546 | 485 | 500 | 501 | 552 | 490 | 504 | 504 | 511 |
| W. N. Central | 266 | 267 | 302 | 261 | 268 | 266 | 302 | 266 | 271 | 273 | 306 | 269 | 274 | 276 | 280 |
| S. Atlantic | 792 | 852 | 965 | 804 | 789 | 859 | 965 | 821 | 815 | 873 | 984 | 837 | 853 | 859 | 877 |
| E. S. Central | 220 | 228 | 271 | 213 | 216 | 228 | 264 | 214 | 217 | 229 | 267 | 216 | 233 | 231 | 232 |
| W. S. Central | 442 | 479 | 578 | 450 | 447 | 490 | 565 | 457 | 445 | 494 | 576 | 465 | 487 | 490 | 495 |
| Mountain | 234 | 251 | 285 | 241 | 237 | 256 | 289 | 247 | 243 | 262 | 295 | 252 | 253 | 257 | 263 |
| Pacific contiguous | 420 | 432 | 478 | 442 | 425 | 431 | 483 | 440 | 428 | 438 | 489 | 445 | 443 | 445 | 450 |
| AK and HI | 17 | 16 | 17 | 17 | 18 | 17 | 17 | 17 | 17 | 17 | 18 | 18 | 17 | 17 | 17 |
| Total | 3,447 | 3,571 | 4,092 | 3,453 | 3,454 | 3,586 | 4,063 | 3,497 | 3,514 | 3,646 | 4,122 | 3,548 | 3,642 | 3,651 | 3,708 |
| Industrial Sector | | | | | | | | | | | | | | | |
| New England | 76 | 77 | 83 | 76 | 75 | 79 | 83 | 79 | 78 | 80 | 83 | 79 | 78 | 79 | 80 |
| Middle Atlantic | 178 | 186 | 192 | 181 | 195 | 196 | 203 | 191 | 197 | 202 | 208 | 196 | 184 | 196 | 200 |
| E. N. Central | 523 | 544 | 551 | 534 | 539 | 553 | 568 | 545 | 565 | 572 | 580 | 557 | 538 | 551 | 569 |
| W. N. Central | 222 | 235 | 245 | 233 | 233 | 241 | 254 | 244 | 243 | 249 | 262 | 250 | 234 | 243 | 251 |
| S. Atlantic | 360 | 397 | 406 | 379 | 377 | 409 | 416 | 389 | 394 | 417 | 423 | 395 | 385 | 398 | 407 |
| E. S. Central | 336 | 334 | 334 | 334 | 343 | 334 | 342 | 346 | 359 | 356 | 358 | 363 | 334 | 341 | 359 |
| W. S. Central | 397 | 432 | 464 | 421 | 420 | 459 | 477 | 437 | 441 | 469 | 487 | 446 | 429 | 448 | 461 |
| Mountain | 195 | 209 | 232 | 207 | 204 | 223 | 239 | 212 | 211 | 231 | 247 | 219 | 211 | 220 | 227 |
| Pacific contiguous | 214 | 228 | 245 | 229 | 221 | 235 | 254 | 228 | 228 | 238 | 256 | 230 | 229 | 235 | 238 |
| AK and HI | 13 | 14 | 14 | 14 | 14 | 14 | 15 | 14 | 13 | 14 | 15 | 14 | 14 | 14 | 14 |
| Total | 2,514 | 2,655 | 2,765 | 2,607 | 2,620 | 2,742 | 2,851 | 2,685 | 2,731 | 2,829 | 2,920 | 2,751 | 2,636 | 2,725 | 2,808 |
| Total All Sectors (a) | | | | | | | | | | | | | | | |
| New England | 342 | 312 | 371 | 318 | 345 | 318 | 363 | 324 | 353 | 322 | 367 | 328 | 336 | 337 | 343 |
| Middle Atlantic | 1,027 | 957 | 1,152 | 952 | 1,047 | 967 | 1,123 | 972 | 1,067 | 982 | 1,138 | 987 | 1,022 | 1,027 | 1,044 |
| E. N. Central | 1,594 | 1,492 | 1,746 | 1,498 | 1,614 | 1,500 | 1,711 | 1,519 | 1,651 | 1,536 | 1,743 | 1,542 | 1,583 | 1,586 | 1,618 |
| W. N. Central | 825 | 752 | 897 | 755 | 832 | 761 | 887 | 780 | 849 | 782 | 908 | 797 | 808 | 815 | 834 |
| S. Atlantic | 2,286 | 2,130 | 2,606 | 2,078 | 2,211 | 2,164 | 2,532 | 2,096 | 2,285 | 2,160 | 2,564 | 2,135 | 2,275 | 2,251 | 2,286 |
| E. S. Central | 960 | 854 | 1,032 | 842 | 932 | 852 | 1,004 | 849 | 953 | 871 | 1,026 | 881 | 922 | 909 | 933 |
| W. S. Central | 1,433 | 1,425 | 1,813 | 1,338 | 1,441 | 1,486 | 1,763 | 1,364 | 1,453 | 1,464 | 1,798 | 1,396 | 1,503 | 1,514 | 1,528 |
| Mountain | 672 | 687 | 842 | 673 | 688 | 705 | 848 | 693 | 707 | 724 | 868 | 713 | 719 | 734 | 753 |
| Pacific contiguous | 1,061 | 1,008 | 1,117 | 1,063 | 1,089 | 1,016 | 1,135 | 1,063 | 1,103 | 1,030 | 1,148 | 1,078 | 1,063 | 1,076 | 1,090 |
| AK and HI | 45 | 43 | 44 | 45 | 46 | 44 | 45 | 46 | 46 | 44 | 46 | 47 | 45 | 46 | 46 |
| Total | 10,246 | 9,660 | 11,620 | 9,562 | 10,247 | 9,812 | 11,410 | 9,707 | 10,468 | 9,916 | 11,606 | 9,903 | 10,274 | 10,296 | 10,475 |

- = no data available

(a) Total retail sales to all sectors includes residential, commercial, industrial, and transportation sector sales.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Retail Sales represents total retail electricity sales by electric utilities and power marketers.

Regions refer to U.S. Census divisions.

 See "Census division" in EIA's Energy Glossary (<http://www.eia.doe.gov/glossary/index.html>) for a list of States in each region.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226; and *Electric Power Annual*, DOE/EIA-0348.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 7c. U.S. Regional Electricity Prices (Cents per Kilowatthour)
 Energy Information Administration/Short-Term Energy Outlook - July 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| Residential Sector | | | | | | | | | | | | | | | |
| New England | 16.56 | 16.60 | 16.46 | 16.43 | 15.99 | <i>16.14</i> | <i>16.27</i> | <i>16.28</i> | <i>16.35</i> | <i>16.29</i> | <i>16.46</i> | <i>16.55</i> | 16.51 | <i>16.17</i> | <i>16.41</i> |
| Middle Atlantic | 14.82 | 16.16 | 16.65 | 15.39 | 15.20 | <i>16.34</i> | <i>17.37</i> | <i>15.76</i> | <i>15.35</i> | <i>16.66</i> | <i>17.73</i> | <i>16.11</i> | 15.79 | <i>16.19</i> | <i>16.48</i> |
| E. N. Central | 10.50 | 11.88 | 11.82 | 11.38 | 11.01 | <i>12.01</i> | <i>12.09</i> | <i>11.64</i> | <i>11.03</i> | <i>12.06</i> | <i>12.11</i> | <i>11.72</i> | 11.39 | <i>11.68</i> | <i>11.72</i> |
| W. N. Central | 8.33 | 10.08 | 10.61 | 9.45 | 9.06 | <i>10.61</i> | <i>11.13</i> | <i>9.70</i> | <i>9.03</i> | <i>10.62</i> | <i>11.16</i> | <i>9.79</i> | 9.61 | <i>10.12</i> | <i>10.14</i> |
| S. Atlantic | 10.46 | 11.31 | 11.42 | 10.94 | 10.86 | <i>11.55</i> | <i>11.93</i> | <i>11.38</i> | <i>10.71</i> | <i>11.66</i> | <i>11.91</i> | <i>11.36</i> | 11.03 | <i>11.45</i> | <i>11.41</i> |
| E. S. Central | 8.81 | 9.90 | 10.02 | 10.05 | 9.77 | <i>10.43</i> | <i>10.48</i> | <i>10.34</i> | <i>9.56</i> | <i>10.41</i> | <i>10.37</i> | <i>10.19</i> | 9.66 | <i>10.24</i> | <i>10.12</i> |
| W. S. Central | 10.28 | 11.00 | 10.79 | 10.46 | 10.08 | <i>10.97</i> | <i>11.21</i> | <i>10.63</i> | <i>10.31</i> | <i>11.13</i> | <i>11.13</i> | <i>10.58</i> | 10.64 | <i>10.76</i> | <i>10.81</i> |
| Mountain | 9.71 | 10.83 | 11.22 | 9.97 | 9.76 | <i>10.93</i> | <i>11.33</i> | <i>10.28</i> | <i>9.86</i> | <i>11.22</i> | <i>11.59</i> | <i>10.45</i> | 10.50 | <i>10.63</i> | <i>10.84</i> |
| Pacific | 12.03 | 12.47 | 13.37 | 12.20 | 12.02 | <i>12.59</i> | <i>13.77</i> | <i>12.27</i> | <i>12.07</i> | <i>12.86</i> | <i>14.02</i> | <i>12.39</i> | 12.51 | <i>12.65</i> | <i>12.81</i> |
| U.S. Average | 10.88 | 11.90 | 12.02 | 11.50 | 11.24 | <i>12.10</i> | <i>12.46</i> | <i>11.79</i> | <i>11.26</i> | <i>12.26</i> | <i>12.52</i> | <i>11.85</i> | 11.58 | <i>11.91</i> | <i>11.97</i> |
| Commercial Sector | | | | | | | | | | | | | | | |
| New England | 15.27 | 14.71 | 15.33 | 14.46 | 14.41 | <i>14.45</i> | <i>15.12</i> | <i>14.62</i> | <i>14.78</i> | <i>14.76</i> | <i>15.41</i> | <i>14.86</i> | 14.96 | <i>14.66</i> | <i>14.97</i> |
| Middle Atlantic | 13.23 | 13.93 | 14.60 | 13.43 | 13.23 | <i>13.93</i> | <i>15.15</i> | <i>13.55</i> | <i>13.36</i> | <i>14.12</i> | <i>15.36</i> | <i>13.76</i> | 13.83 | <i>14.01</i> | <i>14.19</i> |
| E. N. Central | 9.17 | 9.51 | 9.59 | 9.28 | 9.29 | <i>9.62</i> | <i>9.78</i> | <i>9.50</i> | <i>9.34</i> | <i>9.62</i> | <i>9.78</i> | <i>9.50</i> | 9.40 | <i>9.56</i> | <i>9.57</i> |
| W. N. Central | 7.08 | 7.93 | 8.60 | 7.58 | 7.60 | <i>8.47</i> | <i>8.91</i> | <i>7.76</i> | <i>7.59</i> | <i>8.46</i> | <i>8.93</i> | <i>7.77</i> | 7.83 | <i>8.21</i> | <i>8.21</i> |
| S. Atlantic | 9.13 | 9.33 | 9.42 | 9.35 | 9.45 | <i>9.55</i> | <i>9.82</i> | <i>9.72</i> | <i>9.44</i> | <i>9.63</i> | <i>9.85</i> | <i>9.74</i> | 9.31 | <i>9.65</i> | <i>9.67</i> |
| E. S. Central | 8.86 | 9.33 | 9.54 | 9.75 | 9.67 | <i>9.78</i> | <i>9.80</i> | <i>9.77</i> | <i>9.57</i> | <i>9.78</i> | <i>9.83</i> | <i>9.83</i> | 9.38 | <i>9.76</i> | <i>9.76</i> |
| W. S. Central | 8.95 | 8.80 | 8.74 | 8.53 | 8.57 | <i>8.80</i> | <i>9.01</i> | <i>8.61</i> | <i>8.79</i> | <i>8.83</i> | <i>9.00</i> | <i>8.65</i> | 8.75 | <i>8.76</i> | <i>8.83</i> |
| Mountain | 8.20 | 9.04 | 9.25 | 8.40 | 8.32 | <i>9.04</i> | <i>9.29</i> | <i>8.72</i> | <i>8.39</i> | <i>9.10</i> | <i>9.32</i> | <i>8.75</i> | 8.76 | <i>8.87</i> | <i>8.92</i> |
| Pacific | 10.78 | 12.20 | 14.05 | 11.40 | 10.97 | <i>12.52</i> | <i>14.21</i> | <i>11.93</i> | <i>11.23</i> | <i>12.76</i> | <i>14.43</i> | <i>12.07</i> | 12.17 | <i>12.47</i> | <i>12.68</i> |
| U.S. Average | 9.87 | 10.30 | 10.71 | 10.06 | 10.01 | <i>10.47</i> | <i>11.01</i> | <i>10.32</i> | <i>10.12</i> | <i>10.56</i> | <i>11.08</i> | <i>10.39</i> | 10.26 | <i>10.48</i> | <i>10.56</i> |
| Industrial Sector | | | | | | | | | | | | | | | |
| New England | 12.33 | 12.91 | 12.78 | 12.62 | 12.76 | <i>12.58</i> | <i>12.81</i> | <i>12.61</i> | <i>12.83</i> | <i>12.57</i> | <i>12.80</i> | <i>12.65</i> | 12.66 | <i>12.69</i> | <i>12.71</i> |
| Middle Atlantic | 8.50 | 8.52 | 8.71 | 8.30 | 8.68 | <i>8.48</i> | <i>8.81</i> | <i>8.20</i> | <i>8.34</i> | <i>8.52</i> | <i>8.86</i> | <i>8.28</i> | 8.51 | <i>8.55</i> | <i>8.51</i> |
| E. N. Central | 6.34 | 6.48 | 6.71 | 6.52 | 6.46 | <i>6.46</i> | <i>6.85</i> | <i>6.56</i> | <i>6.40</i> | <i>6.46</i> | <i>6.83</i> | <i>6.53</i> | 6.51 | <i>6.58</i> | <i>6.56</i> |
| W. N. Central | 5.43 | 5.74 | 6.45 | 5.67 | 5.79 | <i>6.14</i> | <i>6.72</i> | <i>5.81</i> | <i>5.67</i> | <i>6.13</i> | <i>6.69</i> | <i>5.80</i> | 5.84 | <i>6.12</i> | <i>6.08</i> |
| S. Atlantic | 6.45 | 6.53 | 7.00 | 6.54 | 6.57 | <i>6.80</i> | <i>7.22</i> | <i>6.78</i> | <i>6.58</i> | <i>6.73</i> | <i>7.23</i> | <i>6.85</i> | 6.64 | <i>6.85</i> | <i>6.85</i> |
| E. S. Central | 5.31 | 5.85 | 6.33 | 5.97 | 5.89 | <i>6.04</i> | <i>6.39</i> | <i>6.00</i> | <i>5.78</i> | <i>6.03</i> | <i>6.45</i> | <i>6.05</i> | 5.87 | <i>6.08</i> | <i>6.08</i> |
| W. S. Central | 6.08 | 6.00 | 6.14 | 5.80 | 5.81 | <i>5.89</i> | <i>6.15</i> | <i>5.86</i> | <i>6.07</i> | <i>5.98</i> | <i>6.19</i> | <i>5.92</i> | 6.01 | <i>5.94</i> | <i>6.04</i> |
| Mountain | 5.69 | 6.17 | 6.87 | 5.65 | 5.63 | <i>5.98</i> | <i>6.61</i> | <i>5.78</i> | <i>5.75</i> | <i>6.21</i> | <i>6.84</i> | <i>5.93</i> | 6.13 | <i>6.03</i> | <i>6.21</i> |
| Pacific | 7.29 | 7.84 | 8.73 | 7.68 | 7.39 | <i>7.87</i> | <i>8.60</i> | <i>7.80</i> | <i>7.31</i> | <i>7.93</i> | <i>8.72</i> | <i>7.90</i> | 7.91 | <i>7.94</i> | <i>7.99</i> |
| U.S. Average | 6.53 | 6.75 | 7.17 | 6.67 | 6.68 | <i>6.83</i> | <i>7.26</i> | <i>6.77</i> | <i>6.66</i> | <i>6.85</i> | <i>7.29</i> | <i>6.80</i> | 6.79 | <i>6.89</i> | <i>6.91</i> |
| All Sectors (a) | | | | | | | | | | | | | | | |
| New England | 15.12 | 14.92 | 15.19 | 14.74 | 14.66 | <i>14.57</i> | <i>15.02</i> | <i>14.73</i> | <i>14.97</i> | <i>14.75</i> | <i>15.20</i> | <i>14.93</i> | 15.00 | <i>14.75</i> | <i>14.97</i> |
| Middle Atlantic | 13.01 | 13.63 | 14.40 | 13.13 | 13.13 | <i>13.64</i> | <i>14.80</i> | <i>13.25</i> | <i>13.17</i> | <i>13.80</i> | <i>15.01</i> | <i>13.46</i> | 13.58 | <i>13.74</i> | <i>13.89</i> |
| E. N. Central | 8.72 | 9.13 | 9.50 | 8.97 | 8.94 | <i>9.18</i> | <i>9.61</i> | <i>9.13</i> | <i>8.93</i> | <i>9.17</i> | <i>9.61</i> | <i>9.14</i> | 9.09 | <i>9.23</i> | <i>9.22</i> |
| W. N. Central | 7.14 | 7.96 | 8.80 | 7.64 | 7.66 | <i>8.45</i> | <i>9.11</i> | <i>7.82</i> | <i>7.61</i> | <i>8.43</i> | <i>9.12</i> | <i>7.85</i> | 7.91 | <i>8.28</i> | <i>8.27</i> |
| S. Atlantic | 9.37 | 9.63 | 9.99 | 9.52 | 9.62 | <i>9.86</i> | <i>10.35</i> | <i>9.88</i> | <i>9.54</i> | <i>9.88</i> | <i>10.35</i> | <i>9.89</i> | 9.64 | <i>9.94</i> | <i>9.93</i> |
| E. S. Central | 7.60 | 8.16 | 8.70 | 8.36 | 8.30 | <i>8.53</i> | <i>8.91</i> | <i>8.43</i> | <i>8.13</i> | <i>8.46</i> | <i>8.86</i> | <i>8.39</i> | 8.21 | <i>8.55</i> | <i>8.47</i> |
| W. S. Central | 8.71 | 8.74 | 8.95 | 8.35 | 8.35 | <i>8.69</i> | <i>9.14</i> | <i>8.43</i> | <i>8.55</i> | <i>8.70</i> | <i>9.11</i> | <i>8.45</i> | 8.71 | <i>8.68</i> | <i>8.73</i> |
| Mountain | 8.02 | 8.76 | 9.35 | 8.08 | 8.03 | <i>8.68</i> | <i>9.30</i> | <i>8.35</i> | <i>8.13</i> | <i>8.86</i> | <i>9.47</i> | <i>8.46</i> | 8.60 | <i>8.63</i> | <i>8.77</i> |
| Pacific | 10.57 | 11.30 | 12.64 | 10.89 | 10.76 | <i>11.45</i> | <i>12.79</i> | <i>11.16</i> | <i>10.75</i> | <i>11.67</i> | <i>13.00</i> | <i>11.29</i> | 11.37 | <i>11.56</i> | <i>11.70</i> |
| U.S. Average | 9.47 | 9.89 | 10.40 | 9.66 | 9.66 | <i>10.03</i> | <i>10.64</i> | <i>9.87</i> | <i>9.67</i> | <i>10.09</i> | <i>10.69</i> | <i>9.92</i> | 9.88 | <i>10.07</i> | <i>10.11</i> |

- = no data available

Prices are not adjusted for inflation.

(a) Volume-weighted average of retail prices to residential, commercial, industrial, and transportation sectors.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Regions refer to U.S. Census divisions.

See "Census division" in EIA's Energy Glossary (<http://www.eia.doe.gov/glossary/index.html>) for a list of States in each region.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226; and *Electric Power Annual*, DOE/EIA-0348.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 7d. U.S. Electricity Generation by Fuel and Sector (Billion Kilowatthours per day)

Energy Information Administration/Short-Term Energy Outlook - July 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|--------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| Electric Power Sector (a) | | | | | | | | | | | | | | | |
| Coal | 5.181 | 4.750 | 5.450 | 4.688 | 4.887 | <i>4.575</i> | <i>5.153</i> | <i>4.819</i> | <i>5.281</i> | <i>4.597</i> | <i>5.282</i> | <i>4.866</i> | 5.017 | <i>4.859</i> | <i>5.007</i> |
| Natural Gas | 2.011 | 2.306 | 3.329 | 2.188 | 2.059 | <i>2.404</i> | <i>3.282</i> | <i>2.243</i> | <i>2.059</i> | <i>2.415</i> | <i>3.391</i> | <i>2.251</i> | 2.461 | <i>2.500</i> | <i>2.530</i> |
| Other Gases | 0.009 | 0.009 | 0.008 | 0.006 | 0.008 | <i>0.009</i> | <i>0.007</i> | <i>0.006</i> | <i>0.006</i> | <i>0.006</i> | <i>0.006</i> | <i>0.005</i> | 0.008 | <i>0.007</i> | <i>0.006</i> |
| Petroleum | 0.094 | 0.095 | 0.111 | 0.078 | 0.082 | <i>0.095</i> | <i>0.105</i> | <i>0.076</i> | <i>0.086</i> | <i>0.087</i> | <i>0.101</i> | <i>0.080</i> | 0.094 | <i>0.090</i> | <i>0.089</i> |
| Residual Fuel Oil | 0.034 | 0.042 | 0.054 | 0.027 | 0.025 | <i>0.039</i> | <i>0.049</i> | <i>0.024</i> | <i>0.029</i> | <i>0.035</i> | <i>0.046</i> | <i>0.026</i> | 0.039 | <i>0.034</i> | <i>0.034</i> |
| Distillate Fuel Oil | 0.023 | 0.016 | 0.019 | 0.020 | 0.017 | <i>0.017</i> | <i>0.014</i> | <i>0.015</i> | <i>0.016</i> | <i>0.015</i> | <i>0.015</i> | <i>0.017</i> | 0.020 | <i>0.016</i> | <i>0.016</i> |
| Petroleum Coke | 0.034 | 0.034 | 0.035 | 0.028 | 0.037 | <i>0.038</i> | <i>0.040</i> | <i>0.035</i> | <i>0.037</i> | <i>0.035</i> | <i>0.037</i> | <i>0.034</i> | 0.033 | <i>0.038</i> | <i>0.036</i> |
| Other Petroleum | 0.003 | 0.002 | 0.002 | 0.003 | 0.003 | <i>0.001</i> | <i>0.003</i> | <i>0.002</i> | <i>0.004</i> | <i>0.002</i> | <i>0.003</i> | <i>0.002</i> | 0.002 | <i>0.002</i> | <i>0.003</i> |
| Nuclear | 2.249 | 2.116 | 2.314 | 2.164 | 2.258 | <i>1.957</i> | <i>2.257</i> | <i>2.093</i> | <i>2.230</i> | <i>2.181</i> | <i>2.321</i> | <i>2.152</i> | 2.211 | <i>2.141</i> | <i>2.221</i> |
| Pumped Storage Hydroelectric | -0.008 | -0.008 | -0.015 | -0.014 | -0.011 | <i>-0.015</i> | <i>-0.018</i> | <i>-0.015</i> | <i>-0.016</i> | <i>-0.015</i> | <i>-0.019</i> | <i>-0.015</i> | -0.011 | <i>-0.015</i> | <i>-0.016</i> |
| Other Fuels (b) | 0.017 | 0.020 | 0.020 | 0.019 | 0.017 | <i>0.020</i> | <i>0.020</i> | <i>0.020</i> | <i>0.020</i> | <i>0.021</i> | <i>0.021</i> | <i>0.020</i> | 0.019 | <i>0.019</i> | <i>0.021</i> |
| Renewables: | | | | | | | | | | | | | | | |
| Conventional Hydroelectric | 0.697 | 0.797 | 0.658 | 0.647 | 0.900 | <i>1.046</i> | <i>0.758</i> | <i>0.611</i> | <i>0.754</i> | <i>0.842</i> | <i>0.668</i> | <i>0.639</i> | 0.700 | <i>0.828</i> | <i>0.725</i> |
| Geothermal | 0.044 | 0.043 | 0.042 | 0.043 | 0.046 | <i>0.043</i> | <i>0.043</i> | <i>0.043</i> | <i>0.044</i> | <i>0.043</i> | <i>0.044</i> | <i>0.044</i> | 0.043 | <i>0.044</i> | <i>0.044</i> |
| Solar | 0.001 | 0.005 | 0.005 | 0.002 | 0.003 | <i>0.007</i> | <i>0.007</i> | <i>0.002</i> | <i>0.003</i> | <i>0.009</i> | <i>0.009</i> | <i>0.003</i> | 0.004 | <i>0.005</i> | <i>0.006</i> |
| Wind | 0.235 | 0.291 | 0.221 | 0.290 | 0.329 | <i>0.363</i> | <i>0.258</i> | <i>0.318</i> | <i>0.348</i> | <i>0.399</i> | <i>0.304</i> | <i>0.370</i> | 0.259 | <i>0.317</i> | <i>0.355</i> |
| Wood and Wood Waste | 0.032 | 0.029 | 0.034 | 0.030 | 0.030 | <i>0.026</i> | <i>0.033</i> | <i>0.032</i> | <i>0.035</i> | <i>0.032</i> | <i>0.037</i> | <i>0.036</i> | 0.032 | <i>0.030</i> | <i>0.035</i> |
| Other Renewables | 0.042 | 0.045 | 0.044 | 0.045 | 0.042 | <i>0.046</i> | <i>0.047</i> | <i>0.044</i> | <i>0.046</i> | <i>0.048</i> | <i>0.050</i> | <i>0.046</i> | 0.044 | <i>0.045</i> | <i>0.047</i> |
| Subtotal Electric Power Sector | 10.605 | 10.497 | 12.221 | 10.187 | 10.650 | <i>10.576</i> | <i>11.952</i> | <i>10.293</i> | <i>10.896</i> | <i>10.664</i> | <i>12.215</i> | <i>10.498</i> | 10.880 | <i>10.870</i> | <i>11.070</i> |
| Commercial Sector (c) | | | | | | | | | | | | | | | |
| Coal | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 | <i>0.002</i> | <i>0.003</i> | <i>0.003</i> | <i>0.003</i> | <i>0.003</i> | <i>0.003</i> | <i>0.003</i> | 0.003 | <i>0.003</i> | <i>0.003</i> |
| Natural Gas | 0.011 | 0.011 | 0.014 | 0.012 | 0.011 | <i>0.011</i> | <i>0.013</i> | <i>0.011</i> | <i>0.011</i> | <i>0.011</i> | <i>0.013</i> | <i>0.012</i> | 0.012 | <i>0.012</i> | <i>0.012</i> |
| Petroleum | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | <i>0.000</i> | <i>0.000</i> | <i>0.000</i> | <i>0.000</i> | <i>0.000</i> | <i>0.000</i> | <i>0.000</i> | 0.000 | <i>0.000</i> | <i>0.000</i> |
| Other Fuels (b) | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | <i>0.002</i> | <i>0.002</i> | <i>0.002</i> | <i>0.002</i> | <i>0.002</i> | <i>0.002</i> | <i>0.002</i> | 0.002 | <i>0.002</i> | <i>0.002</i> |
| Renewables (d) | 0.004 | 0.005 | 0.005 | 0.005 | 0.004 | <i>0.005</i> | <i>0.005</i> | <i>0.004</i> | <i>0.004</i> | <i>0.005</i> | <i>0.005</i> | <i>0.005</i> | 0.005 | <i>0.005</i> | <i>0.005</i> |
| Subtotal Commercial Sector | 0.022 | 0.022 | 0.025 | 0.022 | 0.022 | <i>0.021</i> | <i>0.023</i> | <i>0.021</i> | <i>0.022</i> | <i>0.022</i> | <i>0.024</i> | <i>0.022</i> | 0.023 | <i>0.022</i> | <i>0.023</i> |
| Industrial Sector (c) | | | | | | | | | | | | | | | |
| Coal | 0.052 | 0.047 | 0.055 | 0.048 | 0.049 | <i>0.040</i> | <i>0.045</i> | <i>0.043</i> | <i>0.045</i> | <i>0.042</i> | <i>0.046</i> | <i>0.044</i> | 0.051 | <i>0.044</i> | <i>0.044</i> |
| Natural Gas | 0.216 | 0.211 | 0.228 | 0.211 | 0.209 | <i>0.212</i> | <i>0.244</i> | <i>0.227</i> | <i>0.240</i> | <i>0.225</i> | <i>0.250</i> | <i>0.232</i> | 0.216 | <i>0.223</i> | <i>0.237</i> |
| Other Gases | 0.022 | 0.023 | 0.024 | 0.022 | 0.022 | <i>0.023</i> | <i>0.025</i> | <i>0.023</i> | <i>0.024</i> | <i>0.025</i> | <i>0.026</i> | <i>0.024</i> | 0.023 | <i>0.023</i> | <i>0.025</i> |
| Petroleum | 0.007 | 0.007 | 0.007 | 0.006 | 0.006 | <i>0.006</i> | <i>0.007</i> | <i>0.006</i> | <i>0.007</i> | <i>0.006</i> | <i>0.007</i> | <i>0.007</i> | 0.006 | <i>0.006</i> | <i>0.007</i> |
| Other Fuels (b) | 0.009 | 0.010 | 0.011 | 0.009 | 0.008 | <i>0.009</i> | <i>0.011</i> | <i>0.010</i> | <i>0.009</i> | <i>0.010</i> | <i>0.011</i> | <i>0.010</i> | 0.010 | <i>0.010</i> | <i>0.010</i> |
| Renewables: | | | | | | | | | | | | | | | |
| Conventional Hydroelectric | 0.006 | 0.005 | 0.003 | 0.004 | 0.005 | <i>0.005</i> | <i>0.003</i> | <i>0.004</i> | <i>0.006</i> | <i>0.006</i> | <i>0.003</i> | <i>0.004</i> | 0.004 | <i>0.004</i> | <i>0.005</i> |
| Wood and Wood Waste | 0.072 | 0.072 | 0.075 | 0.072 | 0.067 | <i>0.070</i> | <i>0.076</i> | <i>0.075</i> | <i>0.074</i> | <i>0.074</i> | <i>0.078</i> | <i>0.077</i> | 0.072 | <i>0.072</i> | <i>0.076</i> |
| Other Renewables (e) | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | <i>0.002</i> | <i>0.002</i> | <i>0.002</i> | <i>0.002</i> | <i>0.002</i> | <i>0.002</i> | <i>0.002</i> | 0.002 | <i>0.002</i> | <i>0.002</i> |
| Subtotal Industrial Sector | 0.384 | 0.377 | 0.404 | 0.374 | 0.368 | <i>0.367</i> | <i>0.413</i> | <i>0.391</i> | <i>0.407</i> | <i>0.391</i> | <i>0.422</i> | <i>0.400</i> | 0.385 | <i>0.385</i> | <i>0.405</i> |
| Total All Sectors | 11.011 | 10.897 | 12.650 | 10.583 | 11.039 | <i>10.964</i> | <i>12.387</i> | <i>10.705</i> | <i>11.325</i> | <i>11.077</i> | <i>12.661</i> | <i>10.920</i> | 11.288 | <i>11.276</i> | <i>11.497</i> |

- = no data available

(a) Electric utilities and independent power producers.

(b) "Other" includes non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tires and miscellaneous technologies.

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

(d) "Renewables" in commercial sector includes wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy and wind.

(e) "Other Renewables" in industrial sector includes black liquor, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy and wind.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Values of 0.000 may indicate positive levels of generation that are less than 0.0005 billion kilowatthours per day.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226; and *Electric Power Annual*, DOE/EIA-0348.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 7e. U.S. Fuel Consumption for Electricity Generation by Sector
 Energy Information Administration/Short-Term Energy Outlook - July 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| Electric Power Sector (a) | | | | | | | | | | | | | | | |
| Coal (mmst/d) | 2.72 | 2.51 | 2.90 | 2.51 | 2.60 | <i>2.46</i> | <i>2.76</i> | <i>2.55</i> | <i>2.76</i> | <i>2.42</i> | <i>2.79</i> | <i>2.55</i> | 2.66 | <i>2.60</i> | <i>2.63</i> |
| Natural Gas (bcf/d) | 15.48 | 18.25 | 26.72 | 16.78 | 15.83 | <i>19.17</i> | <i>26.21</i> | <i>17.29</i> | <i>15.65</i> | <i>18.91</i> | <i>26.75</i> | <i>17.16</i> | 19.33 | <i>19.65</i> | <i>19.63</i> |
| Petroleum (mmb/d) (b) | 0.17 | 0.17 | 0.20 | 0.14 | 0.15 | <i>0.17</i> | <i>0.19</i> | <i>0.14</i> | <i>0.16</i> | <i>0.16</i> | <i>0.18</i> | <i>0.15</i> | 0.17 | <i>0.16</i> | <i>0.16</i> |
| Residual Fuel Oil (mmb/d) | 0.06 | 0.07 | 0.09 | 0.04 | 0.04 | <i>0.06</i> | <i>0.08</i> | <i>0.04</i> | <i>0.05</i> | <i>0.06</i> | <i>0.08</i> | <i>0.04</i> | 0.07 | <i>0.06</i> | <i>0.06</i> |
| Distillate Fuel Oil (mmb/d) | 0.04 | 0.03 | 0.04 | 0.04 | 0.03 | <i>0.03</i> | <i>0.03</i> | <i>0.03</i> | <i>0.03</i> | <i>0.03</i> | <i>0.03</i> | <i>0.03</i> | 0.04 | <i>0.03</i> | <i>0.03</i> |
| Petroleum Coke (mmst/d) | 0.07 | 0.07 | 0.07 | 0.05 | 0.07 | <i>0.07</i> | <i>0.08</i> | <i>0.07</i> | <i>0.07</i> | <i>0.07</i> | <i>0.07</i> | <i>0.07</i> | 0.06 | <i>0.07</i> | <i>0.07</i> |
| Other Petroleum (mmb/d) | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | <i>0.00</i> | <i>0.01</i> | <i>0.00</i> | <i>0.01</i> | <i>0.00</i> | <i>0.01</i> | <i>0.00</i> | 0.00 | <i>0.00</i> | <i>0.01</i> |
| Commercial Sector (c) | | | | | | | | | | | | | | | |
| Coal (mmst/d) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | <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> | 0.00 | <i>0.00</i> | <i>0.00</i> |
| Natural Gas (bcf/d) | 0.09 | 0.09 | 0.11 | 0.10 | 0.09 | <i>0.09</i> | <i>0.10</i> | <i>0.09</i> | <i>0.09</i> | <i>0.09</i> | <i>0.10</i> | <i>0.09</i> | 0.10 | <i>0.09</i> | <i>0.09</i> |
| Petroleum (mmb/d) (b) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | <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> | 0.00 | <i>0.00</i> | <i>0.00</i> |
| Industrial Sector (c) | | | | | | | | | | | | | | | |
| Coal (mmst/d) | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | 0.02 | <i>0.02</i> | <i>0.02</i> |
| Natural Gas (bcf/d) | 1.48 | 1.44 | 1.57 | 1.44 | 1.48 | <i>1.49</i> | <i>1.74</i> | <i>1.63</i> | <i>1.70</i> | <i>1.62</i> | <i>1.79</i> | <i>1.67</i> | 1.48 | <i>1.58</i> | <i>1.70</i> |
| Petroleum (mmb/d) (b) | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | <i>0.01</i> | <i>0.01</i> | <i>0.01</i> | <i>0.01</i> | <i>0.01</i> | <i>0.01</i> | <i>0.01</i> | 0.01 | <i>0.01</i> | <i>0.01</i> |
| Total All Sectors | | | | | | | | | | | | | | | |
| Coal (mmst/d) | 2.75 | 2.53 | 2.93 | 2.53 | 2.62 | <i>2.48</i> | <i>2.78</i> | <i>2.57</i> | <i>2.78</i> | <i>2.43</i> | <i>2.81</i> | <i>2.57</i> | 2.68 | <i>2.61</i> | <i>2.65</i> |
| Natural Gas (bcf/d) | 17.05 | 19.79 | 28.40 | 18.32 | 17.40 | <i>20.74</i> | <i>28.05</i> | <i>19.01</i> | <i>17.44</i> | <i>20.62</i> | <i>28.65</i> | <i>18.92</i> | 20.91 | <i>21.32</i> | <i>21.42</i> |
| Petroleum (mmb/d) (b) | 0.18 | 0.18 | 0.21 | 0.15 | 0.16 | <i>0.18</i> | <i>0.20</i> | <i>0.15</i> | <i>0.17</i> | <i>0.17</i> | <i>0.19</i> | <i>0.16</i> | 0.18 | <i>0.17</i> | <i>0.17</i> |
| End-of-period Fuel Inventories Held by Electric Power Sector | | | | | | | | | | | | | | | |
| Coal (mmst) | 177.8 | 181.1 | 162.8 | 175.2 | 167.0 | <i>176.5</i> | <i>162.9</i> | <i>167.2</i> | <i>161.4</i> | <i>170.9</i> | <i>158.1</i> | <i>162.3</i> | 175.2 | <i>167.2</i> | <i>162.3</i> |
| Residual Fuel Oil (mmb) | 18.7 | 17.4 | 17.4 | 16.7 | 15.6 | <i>15.5</i> | <i>14.2</i> | <i>15.1</i> | <i>15.2</i> | <i>16.0</i> | <i>14.5</i> | <i>14.7</i> | 16.7 | <i>15.1</i> | <i>14.7</i> |
| Distillate Fuel Oil (mmb) | 17.3 | 17.2 | 17.0 | 17.1 | 16.8 | <i>16.3</i> | <i>16.5</i> | <i>16.7</i> | <i>16.2</i> | <i>16.2</i> | <i>16.3</i> | <i>16.6</i> | 17.1 | <i>16.7</i> | <i>16.6</i> |
| Petroleum Coke (mmb) | 5.8 | 5.5 | 6.1 | 5.4 | 2.8 | <i>3.3</i> | <i>3.3</i> | <i>3.1</i> | <i>3.2</i> | <i>3.1</i> | <i>3.2</i> | <i>3.0</i> | 5.4 | <i>3.1</i> | <i>3.0</i> |

- = no data available

(a) Electric utilities and independent power producers.

(b) Petroleum category may include petroleum coke, which is converted from short tons to barrels by multiplying by 5.

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

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Physical Units: mmst/d = million short tons per day; mmb/d = million barrels per day; bcf/d = billion cubic feet per day; mmb = million barrels.

Values of 0.00 may indicate positive levels of fuel consumption that are less than 0.005 units per day.

Historical data: Latest data available from Energy Information Administration databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226; and *Electric Power Annual*, DOE/EIA-0348.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 8. U.S. Renewable Energy Supply and Consumption (Quadrillion Btu)

Energy Information Administration/Short-Term Energy Outlook - July 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|-------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------|-------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| Supply | | | | | | | | | | | | | | | |
| Hydroelectric Power (a) | 0.618 | 0.713 | 0.593 | 0.585 | 0.795 | <i>0.943</i> | <i>0.690</i> | <i>0.558</i> | <i>0.682</i> | <i>0.760</i> | <i>0.609</i> | <i>0.583</i> | 2.509 | 2.986 | 2.634 |
| Geothermal | 0.053 | 0.053 | 0.053 | 0.054 | 0.055 | <i>0.098</i> | <i>0.099</i> | <i>0.098</i> | <i>0.098</i> | <i>0.096</i> | <i>0.100</i> | <i>0.100</i> | 0.212 | 0.350 | 0.394 |
| Solar | 0.025 | 0.029 | 0.029 | 0.026 | 0.026 | <i>0.030</i> | <i>0.030</i> | <i>0.026</i> | <i>0.027</i> | <i>0.032</i> | <i>0.032</i> | <i>0.027</i> | 0.109 | 0.113 | 0.118 |
| Wind | 0.208 | 0.261 | 0.200 | 0.263 | 0.292 | <i>0.326</i> | <i>0.234</i> | <i>0.288</i> | <i>0.312</i> | <i>0.357</i> | <i>0.275</i> | <i>0.336</i> | 0.933 | 1.140 | 1.281 |
| Wood | 0.490 | 0.491 | 0.508 | 0.497 | 0.478 | <i>0.479</i> | <i>0.520</i> | <i>0.514</i> | <i>0.510</i> | <i>0.506</i> | <i>0.537</i> | <i>0.529</i> | 1.986 | 1.992 | 2.081 |
| Ethanol (b) | 0.267 | 0.274 | 0.284 | 0.298 | 0.293 | <i>0.290</i> | <i>0.294</i> | <i>0.295</i> | <i>0.294</i> | <i>0.295</i> | <i>0.299</i> | <i>0.298</i> | 1.122 | 1.172 | 1.185 |
| Biodiesel (b) | 0.013 | 0.011 | 0.009 | 0.007 | 0.014 | <i>0.024</i> | <i>0.026</i> | <i>0.027</i> | <i>0.026</i> | <i>0.026</i> | <i>0.027</i> | <i>0.028</i> | 0.040 | 0.091 | 0.107 |
| Other Renewables | 0.110 | 0.115 | 0.114 | 0.115 | 0.111 | <i>0.118</i> | <i>0.123</i> | <i>0.117</i> | <i>0.117</i> | <i>0.125</i> | <i>0.129</i> | <i>0.121</i> | 0.454 | 0.469 | 0.492 |
| Total | 1.784 | 1.946 | 1.791 | 1.844 | 2.065 | <i>2.299</i> | <i>2.016</i> | <i>1.924</i> | <i>2.066</i> | <i>2.198</i> | <i>2.007</i> | <i>2.021</i> | 7.365 | 8.304 | 8.292 |
| Consumption | | | | | | | | | | | | | | | |
| Electric Power Sector | | | | | | | | | | | | | | | |
| Hydroelectric Power (a) | 0.618 | 0.715 | 0.596 | 0.587 | 0.798 | <i>0.938</i> | <i>0.687</i> | <i>0.554</i> | <i>0.676</i> | <i>0.755</i> | <i>0.606</i> | <i>0.579</i> | 2.516 | 2.977 | 2.616 |
| Geothermal | 0.038 | 0.038 | 0.038 | 0.039 | 0.041 | <i>0.083</i> | <i>0.084</i> | <i>0.084</i> | <i>0.083</i> | <i>0.081</i> | <i>0.085</i> | <i>0.085</i> | 0.153 | 0.291 | 0.335 |
| Solar | 0.001 | 0.005 | 0.005 | 0.002 | 0.003 | <i>0.006</i> | <i>0.006</i> | <i>0.002</i> | <i>0.003</i> | <i>0.008</i> | <i>0.008</i> | <i>0.002</i> | 0.013 | 0.017 | 0.021 |
| Wind | 0.208 | 0.261 | 0.200 | 0.263 | 0.292 | <i>0.326</i> | <i>0.234</i> | <i>0.288</i> | <i>0.312</i> | <i>0.357</i> | <i>0.275</i> | <i>0.336</i> | 0.933 | 1.140 | 1.281 |
| Wood | 0.048 | 0.044 | 0.049 | 0.046 | 0.045 | <i>0.038</i> | <i>0.049</i> | <i>0.048</i> | <i>0.052</i> | <i>0.047</i> | <i>0.056</i> | <i>0.054</i> | 0.189 | 0.181 | 0.209 |
| Other Renewables | 0.060 | 0.064 | 0.063 | 0.064 | 0.061 | <i>0.066</i> | <i>0.069</i> | <i>0.065</i> | <i>0.066</i> | <i>0.069</i> | <i>0.072</i> | <i>0.067</i> | 0.252 | 0.261 | 0.275 |
| Subtotal | 0.975 | 1.127 | 0.952 | 1.001 | 1.239 | <i>1.446</i> | <i>1.129</i> | <i>1.041</i> | <i>1.192</i> | <i>1.318</i> | <i>1.103</i> | <i>1.124</i> | 4.055 | 4.855 | 4.737 |
| Industrial Sector | | | | | | | | | | | | | | | |
| Hydroelectric Power (a) | 0.005 | 0.005 | 0.003 | 0.003 | 0.005 | <i>0.005</i> | <i>0.003</i> | <i>0.004</i> | <i>0.005</i> | <i>0.005</i> | <i>0.003</i> | <i>0.004</i> | 0.016 | 0.016 | 0.017 |
| Geothermal | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | <i>0.001</i> | <i>0.001</i> | <i>0.001</i> | <i>0.001</i> | <i>0.001</i> | <i>0.001</i> | <i>0.001</i> | 0.004 | 0.004 | 0.004 |
| Wood and Wood Waste | 0.321 | 0.324 | 0.335 | 0.326 | 0.312 | <i>0.318</i> | <i>0.350</i> | <i>0.344</i> | <i>0.336</i> | <i>0.336</i> | <i>0.358</i> | <i>0.353</i> | 1.307 | 1.325 | 1.384 |
| Other Renewables | 0.041 | 0.042 | 0.042 | 0.042 | 0.041 | <i>0.043</i> | <i>0.046</i> | <i>0.045</i> | <i>0.043</i> | <i>0.047</i> | <i>0.048</i> | <i>0.046</i> | 0.168 | 0.176 | 0.183 |
| Subtotal | 0.372 | 0.376 | 0.385 | 0.378 | 0.363 | <i>0.371</i> | <i>0.404</i> | <i>0.398</i> | <i>0.390</i> | <i>0.394</i> | <i>0.414</i> | <i>0.407</i> | 1.511 | 1.536 | 1.604 |
| Commercial Sector | | | | | | | | | | | | | | | |
| Hydroelectric Power (a) | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | <i>0.000</i> | <i>0.000</i> | <i>0.000</i> | <i>0.000</i> | <i>0.000</i> | <i>0.000</i> | <i>0.000</i> | 0.001 | 0.001 | 0.001 |
| Geothermal | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | <i>0.005</i> | <i>0.005</i> | <i>0.005</i> | <i>0.005</i> | <i>0.005</i> | <i>0.005</i> | <i>0.005</i> | 0.019 | 0.018 | 0.018 |
| Wood and Wood Waste | 0.017 | 0.018 | 0.018 | 0.018 | 0.017 | <i>0.016</i> | <i>0.017</i> | <i>0.017</i> | <i>0.017</i> | <i>0.017</i> | <i>0.018</i> | <i>0.017</i> | 0.070 | 0.067 | 0.070 |
| Other Renewables | 0.008 | 0.009 | 0.008 | 0.008 | 0.008 | <i>0.009</i> | <i>0.008</i> | <i>0.008</i> | <i>0.008</i> | <i>0.009</i> | <i>0.009</i> | <i>0.008</i> | 0.034 | 0.033 | 0.034 |
| Subtotal | 0.031 | 0.033 | 0.032 | 0.032 | 0.031 | <i>0.031</i> | <i>0.030</i> | <i>0.030</i> | <i>0.031</i> | <i>0.032</i> | <i>0.032</i> | <i>0.032</i> | 0.127 | 0.123 | 0.128 |
| Residential Sector | | | | | | | | | | | | | | | |
| Geothermal | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | <i>0.009</i> | <i>0.009</i> | <i>0.009</i> | <i>0.009</i> | <i>0.009</i> | <i>0.009</i> | <i>0.009</i> | 0.037 | 0.037 | 0.037 |
| Biomass | 0.104 | 0.105 | 0.106 | 0.106 | 0.104 | <i>0.105</i> | <i>0.105</i> | <i>0.105</i> | <i>0.105</i> | <i>0.105</i> | <i>0.105</i> | <i>0.105</i> | 0.420 | 0.418 | 0.419 |
| Solar | 0.024 | 0.024 | 0.024 | 0.024 | 0.024 | <i>0.024</i> | <i>0.024</i> | <i>0.024</i> | <i>0.024</i> | <i>0.024</i> | <i>0.024</i> | <i>0.024</i> | 0.097 | 0.096 | 0.096 |
| Subtotal | 0.136 | 0.138 | 0.140 | 0.140 | 0.136 | <i>0.138</i> | <i>0.138</i> | <i>0.138</i> | <i>0.138</i> | <i>0.138</i> | <i>0.138</i> | <i>0.138</i> | 0.554 | 0.551 | 0.552 |
| Transportation Sector | | | | | | | | | | | | | | | |
| Ethanol (b) | 0.256 | 0.278 | 0.288 | 0.296 | 0.263 | <i>0.280</i> | <i>0.281</i> | <i>0.285</i> | <i>0.276</i> | <i>0.288</i> | <i>0.286</i> | <i>0.289</i> | 1.118 | 1.109 | 1.140 |
| Biodiesel (b) | 0.012 | 0.010 | 0.010 | 0.008 | 0.015 | <i>0.022</i> | <i>0.024</i> | <i>0.025</i> | <i>0.026</i> | <i>0.026</i> | <i>0.027</i> | <i>0.027</i> | 0.040 | 0.086 | 0.106 |
| Total Consumption | 1.773 | 1.949 | 1.796 | 1.843 | 2.036 | <i>2.279</i> | <i>2.001</i> | <i>1.912</i> | <i>2.048</i> | <i>2.191</i> | <i>1.995</i> | <i>2.012</i> | 7.361 | 8.228 | 8.247 |

- = no data available

(a) Conventional hydroelectric power only. Hydroelectricity generated by pumped storage is not included in renewable energy.

(b) Fuel ethanol and biodiesel supply represents domestic production only. Fuel ethanol and biodiesel consumption in the transportation sector includes production, stock change, and imports less exports. Some biodiesel may be consumed in the residential s

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Historical data: Latest data available from EIA databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226 and *Renewable Energy Annual*, DOE/EIA-0603; *Petroleum Supply Monthly*, DOE/EIA-0109.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.

Table 9a. U.S. Macroeconomic Indicators and CO₂ Emissions
Energy Information Administration/Short-Term Energy Outlook - July 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| Macroeconomic | | | | | | | | | | | | | | | |
| Real Gross Domestic Product | | | | | | | | | | | | | | | |
| (billion chained 2005 dollars - SAAR) | 13,139 | 13,195 | 13,279 | 13,381 | 13,442 | <i>13,510</i> | <i>13,636</i> | <i>13,741</i> | <i>13,821</i> | <i>13,891</i> | <i>13,975</i> | <i>14,081</i> | 13,248 | <i>13,582</i> | <i>13,942</i> |
| Real Disposable Personal Income | | | | | | | | | | | | | | | |
| (billion chained 2005 Dollars - SAAR) | 10,113 | 10,252 | 10,277 | 10,305 | 10,326 | <i>10,342</i> | <i>10,403</i> | <i>10,467</i> | <i>10,435</i> | <i>10,514</i> | <i>10,550</i> | <i>10,592</i> | 10,237 | <i>10,384</i> | <i>10,523</i> |
| Real Fixed Investment | | | | | | | | | | | | | | | |
| (billion chained 2005 dollars-SAAR) | 1,631 | 1,703 | 1,709 | 1,737 | 1,746 | <i>1,774</i> | <i>1,821</i> | <i>1,879</i> | <i>1,905</i> | <i>1,936</i> | <i>1,985</i> | <i>2,052</i> | 1,695 | <i>1,805</i> | <i>1,969</i> |
| Business Inventory Change | | | | | | | | | | | | | | | |
| (billion chained 2005 dollars-SAAR) | 21.04 | -3.40 | 29.63 | 25.20 | 36.05 | <i>27.13</i> | <i>24.78</i> | <i>22.32</i> | <i>16.87</i> | <i>14.10</i> | <i>11.15</i> | <i>12.68</i> | 18.12 | <i>27.57</i> | <i>13.70</i> |
| Housing Stock | | | | | | | | | | | | | | | |
| (millions) | 123.5 | 123.6 | 123.6 | 123.5 | 123.5 | <i>123.5</i> | <i>123.5</i> | <i>123.5</i> | <i>123.5</i> | <i>123.5</i> | <i>123.6</i> | <i>123.6</i> | 123.5 | <i>123.5</i> | <i>123.6</i> |
| Non-Farm Employment | | | | | | | | | | | | | | | |
| (millions) | 129.3 | 130.0 | 129.9 | 130.1 | 130.6 | <i>131.2</i> | <i>131.7</i> | <i>132.3</i> | <i>132.8</i> | <i>133.3</i> | <i>133.8</i> | <i>134.2</i> | 129.8 | <i>131.4</i> | <i>133.5</i> |
| Commercial Employment | | | | | | | | | | | | | | | |
| (millions) | 87.3 | 87.6 | 87.9 | 88.2 | 88.6 | <i>89.2</i> | <i>89.8</i> | <i>90.4</i> | <i>91.0</i> | <i>91.4</i> | <i>91.8</i> | <i>92.2</i> | 87.8 | <i>89.5</i> | <i>91.6</i> |
| Industrial Production Indices (Index, 2007=100) | | | | | | | | | | | | | | | |
| Total Industrial Production | 88.0 | 89.5 | 91.0 | 91.7 | 92.7 | <i>93.2</i> | <i>94.3</i> | <i>95.4</i> | <i>96.2</i> | <i>96.6</i> | <i>97.2</i> | <i>97.9</i> | 90.1 | <i>93.9</i> | <i>97.0</i> |
| Manufacturing | 85.0 | 86.9 | 88.1 | 89.0 | 90.6 | <i>91.0</i> | <i>92.8</i> | <i>94.2</i> | <i>95.3</i> | <i>95.9</i> | <i>96.7</i> | <i>97.6</i> | 87.3 | <i>92.2</i> | <i>96.4</i> |
| Food | 100.6 | 101.4 | 103.3 | 103.9 | 103.2 | <i>103.6</i> | <i>104.0</i> | <i>104.5</i> | <i>105.0</i> | <i>105.6</i> | <i>106.2</i> | <i>106.7</i> | 102.3 | <i>103.8</i> | <i>105.9</i> |
| Paper | 88.7 | 89.5 | 88.8 | 89.1 | 89.7 | <i>90.1</i> | <i>90.6</i> | <i>91.0</i> | <i>91.4</i> | <i>91.9</i> | <i>92.5</i> | <i>93.2</i> | 89.0 | <i>90.3</i> | <i>92.2</i> |
| Chemicals | 86.9 | 86.3 | 86.5 | 87.0 | 88.2 | <i>89.4</i> | <i>90.1</i> | <i>90.8</i> | <i>91.4</i> | <i>92.0</i> | <i>92.8</i> | <i>93.5</i> | 86.7 | <i>89.6</i> | <i>92.4</i> |
| Petroleum | 92.9 | 96.9 | 98.0 | 98.0 | 96.1 | <i>95.4</i> | <i>95.6</i> | <i>95.7</i> | <i>95.8</i> | <i>96.0</i> | <i>96.3</i> | <i>96.5</i> | 96.5 | <i>95.7</i> | <i>96.1</i> |
| Stone, Clay, Glass | 64.6 | 68.0 | 68.8 | 69.1 | 67.6 | <i>68.3</i> | <i>68.6</i> | <i>69.5</i> | <i>70.6</i> | <i>72.2</i> | <i>74.1</i> | <i>76.1</i> | 67.6 | <i>68.5</i> | <i>73.2</i> |
| Primary Metals | 81.7 | 84.1 | 82.1 | 85.3 | 90.4 | <i>90.4</i> | <i>91.2</i> | <i>91.7</i> | <i>91.7</i> | <i>92.5</i> | <i>93.7</i> | <i>95.0</i> | 83.3 | <i>90.9</i> | <i>93.2</i> |
| Resins and Synthetic Products | 76.0 | 74.7 | 78.1 | 79.1 | 78.8 | <i>80.2</i> | <i>80.7</i> | <i>80.9</i> | <i>81.1</i> | <i>81.5</i> | <i>82.2</i> | <i>82.9</i> | 77.0 | <i>80.2</i> | <i>81.9</i> |
| Agricultural Chemicals | 100.9 | 93.2 | 89.5 | 92.5 | 97.7 | <i>98.0</i> | <i>98.3</i> | <i>98.6</i> | <i>98.8</i> | <i>98.9</i> | <i>99.3</i> | <i>99.5</i> | 94.0 | <i>98.2</i> | <i>99.1</i> |
| Natural Gas-weighted (a) | 85.5 | 86.2 | 86.6 | 87.5 | 88.7 | <i>89.1</i> | <i>89.5</i> | <i>89.9</i> | <i>90.1</i> | <i>90.7</i> | <i>91.5</i> | <i>92.2</i> | 86.5 | <i>89.3</i> | <i>91.1</i> |
| Price Indexes | | | | | | | | | | | | | | | |
| Consumer Price Index (all urban consumers) | | | | | | | | | | | | | | | |
| (index, 1982-1984=1.00) | 2.18 | 2.17 | 2.18 | 2.19 | 2.22 | <i>2.25</i> | <i>2.26</i> | <i>2.27</i> | <i>2.28</i> | <i>2.28</i> | <i>2.29</i> | <i>2.31</i> | 2.18 | <i>2.25</i> | <i>2.29</i> |
| Producer Price Index: All Commodities | | | | | | | | | | | | | | | |
| (index, 1982=1.00) | 1.85 | 1.83 | 1.82 | 1.90 | 1.99 | <i>2.02</i> | <i>2.02</i> | <i>2.04</i> | <i>2.04</i> | <i>2.03</i> | <i>2.04</i> | <i>2.06</i> | 1.85 | <i>2.02</i> | <i>2.04</i> |
| Producer Price Index: Petroleum | | | | | | | | | | | | | | | |
| (index, 1982=1.00) | 2.17 | 2.26 | 2.20 | 2.38 | 2.77 | <i>3.14</i> | <i>3.03</i> | <i>3.00</i> | <i>3.01</i> | <i>3.10</i> | <i>3.11</i> | <i>3.09</i> | 2.25 | <i>2.99</i> | <i>3.08</i> |
| GDP Implicit Price Deflator | | | | | | | | | | | | | | | |
| (index, 2005=100) | 110.0 | 110.5 | 111.1 | 111.2 | 111.7 | <i>112.5</i> | <i>113.1</i> | <i>113.2</i> | <i>113.6</i> | <i>113.8</i> | <i>114.3</i> | <i>114.9</i> | 110.7 | <i>112.6</i> | <i>114.1</i> |
| Miscellaneous | | | | | | | | | | | | | | | |
| Vehicle Miles Traveled (b) | | | | | | | | | | | | | | | |
| (million miles/day) | 7,663 | 8,555 | 8,523 | 8,127 | 7,652 | <i>8,445</i> | <i>8,525</i> | <i>8,150</i> | <i>7,799</i> | <i>8,583</i> | <i>8,538</i> | <i>8,172</i> | 8,219 | <i>8,195</i> | <i>8,273</i> |
| Air Travel Capacity | | | | | | | | | | | | | | | |
| (Available ton-miles/day, thousands) | 491 | 530 | 546 | 526 | 519 | <i>538</i> | <i>550</i> | <i>542</i> | <i>538</i> | <i>553</i> | <i>563</i> | <i>555</i> | 523 | <i>537</i> | <i>552</i> |
| Aircraft Utilization | | | | | | | | | | | | | | | |
| (Revenue ton-miles/day, thousands) | 293 | 330 | 341 | 323 | 307 | <i>340</i> | <i>350</i> | <i>333</i> | <i>319</i> | <i>350</i> | <i>357</i> | <i>340</i> | 322 | <i>333</i> | <i>341</i> |
| Airline Ticket Price Index | | | | | | | | | | | | | | | |
| (index, 1982-1984=100) | 266.4 | 282.0 | 282.2 | 282.2 | 298.2 | <i>310.0</i> | <i>317.9</i> | <i>328.5</i> | <i>328.0</i> | <i>322.4</i> | <i>313.6</i> | <i>313.2</i> | 278.2 | <i>313.6</i> | <i>319.3</i> |
| Raw Steel Production | | | | | | | | | | | | | | | |
| (million short tons per day) | 0.234 | 0.253 | 0.245 | 0.237 | 0.257 | <i>0.263</i> | <i>0.265</i> | <i>0.249</i> | <i>0.259</i> | <i>0.274</i> | <i>0.266</i> | <i>0.251</i> | 0.242 | <i>0.258</i> | <i>0.262</i> |
| Carbon Dioxide (CO₂) Emissions (million metric tons) | | | | | | | | | | | | | | | |
| Petroleum | 569 | 586 | 600 | 596 | 575 | <i>587</i> | <i>598</i> | <i>597</i> | <i>584</i> | <i>587</i> | <i>600</i> | <i>599</i> | 2,351 | <i>2,357</i> | <i>2,369</i> |
| Natural Gas | 401 | 263 | 283 | 338 | 403 | <i>277</i> | <i>284</i> | <i>351</i> | <i>403</i> | <i>272</i> | <i>288</i> | <i>352</i> | 1,285 | <i>1,316</i> | <i>1,315</i> |
| Coal | 501 | 469 | 542 | 473 | 483 | <i>458</i> | <i>516</i> | <i>481</i> | <i>515</i> | <i>454</i> | <i>524</i> | <i>484</i> | 1,985 | <i>1,938</i> | <i>1,977</i> |
| Total Fossil Fuels | 1,471 | 1,318 | 1,425 | 1,406 | 1,461 | <i>1,322</i> | <i>1,397</i> | <i>1,429</i> | <i>1,501</i> | <i>1,312</i> | <i>1,412</i> | <i>1,435</i> | 5,621 | <i>5,610</i> | <i>5,661</i> |

- = no data available

(a) Natural gas share weights of individual sector indices based on EIA *Manufacturing Energy Consumption Survey*, 2002.

(b) Total highway travel includes gasoline and diesel fuel vehicles.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Historical data: Latest data available from U.S. Department of Commerce, Bureau of Economic Analysis; Federal Reserve System, Statistical release G17; Federal Highway Administration; and Federal Aviation Administration.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Macroeconomic projections are based on the Global Insight Model of the U.S. Economy and Regional Economic Information and simulation of the EIA Regional Short-Term Energy Model.

Table 9b. U.S. Regional Macroeconomic Data

Energy Information Administration/Short-Term Energy Outlook - July 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| Real Gross State Product (Billion \$2005) | | | | | | | | | | | | | | | |
| New England | 717 | 720 | 726 | 730 | 733 | 736 | 743 | 748 | 751 | 754 | 758 | 762 | 723 | 740 | 756 |
| Middle Atlantic | 1,937 | 1,944 | 1,952 | 1,966 | 1,975 | 1,984 | 2,002 | 2,017 | 2,026 | 2,036 | 2,046 | 2,060 | 1,950 | 1,994 | 2,042 |
| E. N. Central | 1,820 | 1,828 | 1,836 | 1,845 | 1,852 | 1,858 | 1,873 | 1,888 | 1,899 | 1,908 | 1,917 | 1,928 | 1,832 | 1,868 | 1,913 |
| W. N. Central | 861 | 865 | 871 | 877 | 880 | 884 | 892 | 898 | 903 | 907 | 912 | 918 | 868 | 888 | 910 |
| S. Atlantic | 2,401 | 2,410 | 2,426 | 2,444 | 2,455 | 2,470 | 2,494 | 2,514 | 2,530 | 2,545 | 2,562 | 2,584 | 2,420 | 2,483 | 2,555 |
| E. S. Central | 616 | 617 | 620 | 625 | 628 | 630 | 636 | 641 | 645 | 649 | 653 | 658 | 620 | 634 | 651 |
| W. S. Central | 1,509 | 1,520 | 1,534 | 1,550 | 1,560 | 1,570 | 1,587 | 1,601 | 1,613 | 1,624 | 1,635 | 1,650 | 1,528 | 1,579 | 1,630 |
| Mountain | 875 | 878 | 885 | 892 | 896 | 901 | 909 | 916 | 922 | 927 | 933 | 941 | 882 | 906 | 931 |
| Pacific | 2,344 | 2,353 | 2,368 | 2,389 | 2,401 | 2,414 | 2,437 | 2,456 | 2,468 | 2,479 | 2,495 | 2,517 | 2,363 | 2,427 | 2,490 |
| Industrial Output, Manufacturing (Index, Year 2007=100) | | | | | | | | | | | | | | | |
| New England | 87.2 | 89.1 | 90.4 | 91.4 | 93.0 | 93.2 | 94.8 | 96.2 | 97.0 | 97.2 | 97.7 | 98.2 | 89.5 | 94.3 | 97.5 |
| Middle Atlantic | 85.3 | 87.0 | 88.1 | 89.0 | 90.6 | 90.9 | 92.5 | 93.8 | 94.5 | 95.0 | 95.7 | 96.4 | 87.4 | 91.9 | 95.4 |
| E. N. Central | 81.4 | 83.9 | 85.2 | 85.7 | 87.3 | 87.7 | 89.2 | 90.4 | 91.4 | 92.2 | 93.0 | 94.0 | 84.0 | 88.7 | 92.6 |
| W. N. Central | 87.7 | 90.0 | 91.5 | 92.3 | 94.1 | 94.5 | 96.2 | 97.5 | 98.6 | 99.4 | 100.3 | 101.4 | 90.4 | 95.6 | 99.9 |
| S. Atlantic | 82.2 | 83.6 | 84.5 | 84.9 | 86.3 | 86.6 | 88.1 | 89.4 | 90.2 | 90.8 | 91.6 | 92.4 | 83.8 | 87.6 | 91.2 |
| E. S. Central | 82.1 | 84.0 | 85.1 | 85.6 | 87.2 | 87.8 | 89.7 | 91.4 | 92.6 | 93.7 | 94.9 | 96.2 | 84.2 | 89.0 | 94.4 |
| W. S. Central | 88.2 | 90.7 | 92.6 | 93.8 | 95.5 | 96.0 | 98.0 | 99.7 | 100.9 | 101.7 | 102.6 | 103.6 | 91.3 | 97.3 | 102.2 |
| Mountain | 83.9 | 85.8 | 87.0 | 88.1 | 90.1 | 90.5 | 92.4 | 93.9 | 95.0 | 95.5 | 96.3 | 97.0 | 86.2 | 91.7 | 96.0 |
| Pacific | 86.8 | 88.0 | 88.7 | 89.7 | 91.6 | 92.1 | 94.0 | 95.7 | 96.8 | 97.2 | 97.8 | 98.5 | 88.3 | 93.4 | 97.6 |
| Real Personal Income (Billion \$2005) | | | | | | | | | | | | | | | |
| New England | 630 | 643 | 644 | 646 | 650 | 651 | 655 | 659 | 658 | 663 | 666 | 669 | 641 | 654 | 664 |
| Middle Atlantic | 1,697 | 1,726 | 1,727 | 1,733 | 1,747 | 1,750 | 1,764 | 1,778 | 1,777 | 1,794 | 1,804 | 1,815 | 1,721 | 1,760 | 1,798 |
| E. N. Central | 1,571 | 1,594 | 1,603 | 1,606 | 1,619 | 1,620 | 1,627 | 1,634 | 1,630 | 1,642 | 1,649 | 1,657 | 1,593 | 1,625 | 1,645 |
| W. N. Central | 720 | 727 | 733 | 738 | 746 | 749 | 753 | 755 | 755 | 761 | 764 | 768 | 729 | 751 | 762 |
| S. Atlantic | 2,092 | 2,118 | 2,128 | 2,134 | 2,153 | 2,159 | 2,176 | 2,194 | 2,196 | 2,215 | 2,227 | 2,242 | 2,118 | 2,170 | 2,220 |
| E. S. Central | 552 | 561 | 564 | 566 | 571 | 572 | 576 | 579 | 578 | 584 | 587 | 591 | 561 | 574 | 585 |
| W. S. Central | 1,238 | 1,256 | 1,266 | 1,275 | 1,288 | 1,294 | 1,305 | 1,316 | 1,318 | 1,330 | 1,339 | 1,349 | 1,259 | 1,301 | 1,334 |
| Mountain | 722 | 730 | 733 | 736 | 742 | 745 | 750 | 756 | 757 | 764 | 769 | 775 | 730 | 748 | 766 |
| Pacific | 1,905 | 1,924 | 1,930 | 1,940 | 1,957 | 1,963 | 1,977 | 1,992 | 1,992 | 2,008 | 2,019 | 2,033 | 1,924 | 1,972 | 2,013 |
| Households (Thousands) | | | | | | | | | | | | | | | |
| New England | 5,498 | 5,498 | 5,498 | 5,498 | 5,497 | 5,493 | 5,495 | 5,500 | 5,508 | 5,518 | 5,529 | 5,542 | 5,498 | 5,500 | 5,542 |
| Middle Atlantic | 15,217 | 15,210 | 15,224 | 15,231 | 15,240 | 15,241 | 15,252 | 15,268 | 15,285 | 15,307 | 15,329 | 15,352 | 15,231 | 15,268 | 15,352 |
| E. N. Central | 17,732 | 17,725 | 17,710 | 17,697 | 17,687 | 17,672 | 17,674 | 17,682 | 17,707 | 17,741 | 17,776 | 17,815 | 17,697 | 17,682 | 17,815 |
| W. N. Central | 8,065 | 8,068 | 8,077 | 8,085 | 8,094 | 8,100 | 8,113 | 8,131 | 8,153 | 8,178 | 8,204 | 8,229 | 8,085 | 8,131 | 8,229 |
| S. Atlantic | 22,256 | 22,294 | 22,315 | 22,342 | 22,374 | 22,403 | 22,449 | 22,508 | 22,579 | 22,666 | 22,760 | 22,861 | 22,342 | 22,508 | 22,861 |
| E. S. Central | 7,100 | 7,107 | 7,113 | 7,117 | 7,123 | 7,125 | 7,134 | 7,151 | 7,170 | 7,191 | 7,215 | 7,240 | 7,117 | 7,151 | 7,240 |
| W. S. Central | 12,841 | 12,871 | 12,896 | 12,921 | 12,950 | 12,976 | 13,016 | 13,067 | 13,125 | 13,186 | 13,248 | 13,316 | 12,921 | 13,067 | 13,316 |
| Mountain | 7,926 | 7,942 | 7,961 | 7,980 | 7,998 | 8,015 | 8,038 | 8,069 | 8,107 | 8,148 | 8,189 | 8,233 | 7,980 | 8,069 | 8,233 |
| Pacific | 16,950 | 16,969 | 16,997 | 17,033 | 17,056 | 17,075 | 17,108 | 17,153 | 17,209 | 17,273 | 17,338 | 17,401 | 17,033 | 17,153 | 17,401 |
| Total Non-farm Employment (Millions) | | | | | | | | | | | | | | | |
| New England | 6.7 | 6.7 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.9 | 6.9 | 6.9 | 6.9 | 6.7 | 6.8 | 6.9 |
| Middle Atlantic | 17.9 | 18.0 | 17.9 | 17.9 | 18.0 | 18.1 | 18.2 | 18.2 | 18.3 | 18.4 | 18.4 | 18.5 | 17.9 | 18.1 | 18.4 |
| E. N. Central | 19.9 | 20.0 | 20.0 | 20.0 | 20.0 | 20.1 | 20.2 | 20.2 | 20.3 | 20.4 | 20.4 | 20.5 | 20.0 | 20.1 | 20.4 |
| W. N. Central | 9.8 | 9.8 | 9.8 | 9.8 | 9.9 | 9.9 | 10.0 | 10.0 | 10.0 | 10.1 | 10.1 | 10.1 | 9.8 | 9.9 | 10.1 |
| S. Atlantic | 24.6 | 24.8 | 24.8 | 24.8 | 24.8 | 25.0 | 25.1 | 25.2 | 25.3 | 25.4 | 25.5 | 25.6 | 24.7 | 25.0 | 25.5 |
| E. S. Central | 7.3 | 7.3 | 7.3 | 7.3 | 7.4 | 7.4 | 7.4 | 7.5 | 7.5 | 7.5 | 7.6 | 7.6 | 7.3 | 7.4 | 7.5 |
| W. S. Central | 14.8 | 14.9 | 14.9 | 15.0 | 15.1 | 15.2 | 15.3 | 15.4 | 15.4 | 15.5 | 15.6 | 15.6 | 14.9 | 15.2 | 15.5 |
| Mountain | 9.0 | 9.0 | 9.0 | 9.0 | 9.1 | 9.1 | 9.2 | 9.2 | 9.2 | 9.3 | 9.3 | 9.4 | 9.0 | 9.1 | 9.3 |
| Pacific | 19.1 | 19.2 | 19.1 | 19.2 | 19.3 | 19.4 | 19.4 | 19.5 | 19.6 | 19.7 | 19.7 | 19.8 | 19.2 | 19.4 | 19.7 |

- = no data available

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Regions refer to U.S. Census divisions.

 See "Census division" in EIA's Energy Glossary (<http://www.eia.doe.gov/glossary/index.html>) for a list of States in each region.

Historical data: Latest data available from U.S. Department of Commerce, Bureau of Economic Analysis; Federal Reserve System, Statistical release G17.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Macroeconomic projections are based on the Global Insight Model of the U.S. Economy.

Table 9c. U.S. Regional Weather Data

Energy Information Administration/Short-Term Energy Outlook - July 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|--|-------|-----|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| Heating Degree-days | | | | | | | | | | | | | | | |
| New England | 2,948 | 634 | 135 | 2,265 | 3,314 | 837 | 180 | 2,250 | 3,218 | 921 | 174 | 2,252 | 5,982 | 6,581 | 6,565 |
| Middle Atlantic | 2,805 | 477 | 61 | 2,085 | 3,023 | 606 | 121 | 2,047 | 2,956 | 739 | 119 | 2,045 | 5,428 | 5,797 | 5,859 |
| E. N. Central | 3,217 | 523 | 134 | 2,353 | 3,306 | 751 | 153 | 2,303 | 3,209 | 783 | 156 | 2,299 | 6,228 | 6,513 | 6,447 |
| W. N. Central | 3,475 | 536 | 153 | 2,434 | 3,517 | 769 | 183 | 2,510 | 3,352 | 726 | 183 | 2,495 | 6,598 | 6,979 | 6,756 |
| South Atlantic | 1,804 | 144 | 6 | 1,243 | 1,501 | 179 | 25 | 1,055 | 1,531 | 244 | 24 | 1,040 | 3,197 | 2,760 | 2,839 |
| E. S. Central | 2,297 | 169 | 19 | 1,487 | 1,866 | 247 | 32 | 1,374 | 1,904 | 295 | 32 | 1,359 | 3,973 | 3,519 | 3,590 |
| W. S. Central | 1,608 | 79 | 6 | 832 | 1,273 | 101 | 8 | 883 | 1,258 | 107 | 9 | 878 | 2,525 | 2,265 | 2,252 |
| Mountain | 2,313 | 780 | 84 | 1,768 | 2,338 | 776 | 179 | 1,932 | 2,336 | 730 | 164 | 1,940 | 4,945 | 5,225 | 5,170 |
| Pacific | 1,312 | 678 | 71 | 1,122 | 1,481 | 672 | 108 | 1,143 | 1,436 | 557 | 105 | 1,118 | 3,183 | 3,404 | 3,216 |
| U.S. Average | 2,311 | 422 | 68 | 1,659 | 2,285 | 515 | 99 | 1,627 | 2,243 | 537 | 97 | 1,618 | 4,460 | 4,526 | 4,495 |
| Heating Degree-days, 30-year Normal (a) | | | | | | | | | | | | | | | |
| New England | 3,219 | 930 | 190 | 2,272 | 3,219 | 930 | 190 | 2,272 | 3,219 | 930 | 190 | 2,272 | 6,611 | 6,611 | 6,611 |
| Middle Atlantic | 2,968 | 752 | 127 | 2,064 | 2,968 | 752 | 127 | 2,064 | 2,968 | 752 | 127 | 2,064 | 5,911 | 5,911 | 5,911 |
| E. N. Central | 3,227 | 798 | 156 | 2,316 | 3,227 | 798 | 156 | 2,316 | 3,227 | 798 | 156 | 2,316 | 6,497 | 6,497 | 6,497 |
| W. N. Central | 3,326 | 729 | 183 | 2,512 | 3,326 | 729 | 183 | 2,512 | 3,326 | 729 | 183 | 2,512 | 6,750 | 6,750 | 6,750 |
| South Atlantic | 1,523 | 247 | 25 | 1,058 | 1,523 | 247 | 25 | 1,058 | 1,523 | 247 | 25 | 1,058 | 2,853 | 2,853 | 2,853 |
| E. S. Central | 1,895 | 299 | 33 | 1,377 | 1,895 | 299 | 33 | 1,377 | 1,895 | 299 | 33 | 1,377 | 3,604 | 3,604 | 3,604 |
| W. S. Central | 1,270 | 112 | 9 | 896 | 1,270 | 112 | 9 | 896 | 1,270 | 112 | 9 | 896 | 2,287 | 2,287 | 2,287 |
| Mountain | 2,321 | 741 | 183 | 1,964 | 2,321 | 741 | 183 | 1,964 | 2,321 | 741 | 183 | 1,964 | 5,209 | 5,209 | 5,209 |
| Pacific | 1,419 | 556 | 108 | 1,145 | 1,419 | 556 | 108 | 1,145 | 1,419 | 556 | 108 | 1,145 | 3,228 | 3,228 | 3,228 |
| U.S. Average | 2,242 | 543 | 101 | 1,638 | 2,242 | 543 | 101 | 1,638 | 2,242 | 543 | 101 | 1,638 | 4,524 | 4,524 | 4,524 |
| Cooling Degree-days | | | | | | | | | | | | | | | |
| New England | 0 | 129 | 549 | 5 | 0 | 128 | 357 | 0 | 0 | 69 | 364 | 1 | 683 | 485 | 434 |
| Middle Atlantic | 0 | 261 | 714 | 1 | 0 | 235 | 519 | 6 | 0 | 141 | 526 | 5 | 976 | 760 | 672 |
| E. N. Central | 0 | 282 | 693 | 4 | 0 | 246 | 504 | 8 | 1 | 199 | 502 | 8 | 980 | 758 | 710 |
| W. N. Central | 1 | 320 | 769 | 3 | 1 | 307 | 649 | 12 | 3 | 263 | 650 | 15 | 1,093 | 969 | 931 |
| South Atlantic | 34 | 772 | 1,310 | 162 | 99 | 792 | 1,087 | 210 | 114 | 572 | 1,095 | 223 | 2,278 | 2,188 | 2,004 |
| E. S. Central | 8 | 679 | 1,280 | 37 | 9 | 666 | 1,006 | 63 | 31 | 463 | 1,011 | 66 | 2,005 | 1,744 | 1,571 |
| W. S. Central | 27 | 950 | 1,586 | 198 | 113 | 1,087 | 1,444 | 180 | 84 | 789 | 1,428 | 190 | 2,761 | 2,824 | 2,491 |
| Mountain | 11 | 370 | 924 | 72 | 11 | 324 | 844 | 68 | 15 | 376 | 861 | 78 | 1,377 | 1,247 | 1,330 |
| Pacific | 7 | 120 | 548 | 55 | 2 | 80 | 507 | 41 | 7 | 150 | 513 | 55 | 730 | 630 | 725 |
| U.S. Average | 12 | 445 | 937 | 73 | 33 | 444 | 776 | 78 | 35 | 345 | 779 | 83 | 1,467 | 1,331 | 1,242 |
| Cooling Degree-days, 30-year Normal (a) | | | | | | | | | | | | | | | |
| New England | 0 | 81 | 361 | 1 | 0 | 81 | 361 | 1 | 0 | 81 | 361 | 1 | 443 | 443 | 443 |
| Middle Atlantic | 0 | 151 | 508 | 7 | 0 | 151 | 508 | 7 | 0 | 151 | 508 | 7 | 666 | 666 | 666 |
| E. N. Central | 1 | 208 | 511 | 10 | 1 | 208 | 511 | 10 | 1 | 208 | 511 | 10 | 730 | 730 | 730 |
| W. N. Central | 3 | 270 | 661 | 14 | 3 | 270 | 661 | 14 | 3 | 270 | 661 | 14 | 948 | 948 | 948 |
| South Atlantic | 113 | 576 | 1,081 | 213 | 113 | 576 | 1,081 | 213 | 113 | 576 | 1,081 | 213 | 1,983 | 1,983 | 1,983 |
| E. S. Central | 29 | 469 | 1,002 | 66 | 29 | 469 | 1,002 | 66 | 29 | 469 | 1,002 | 66 | 1,566 | 1,566 | 1,566 |
| W. S. Central | 80 | 790 | 1,424 | 185 | 80 | 790 | 1,424 | 185 | 80 | 790 | 1,424 | 185 | 2,479 | 2,479 | 2,479 |
| Mountain | 17 | 383 | 839 | 68 | 17 | 383 | 839 | 68 | 17 | 383 | 839 | 68 | 1,307 | 1,307 | 1,307 |
| Pacific | 10 | 171 | 526 | 49 | 10 | 171 | 526 | 49 | 10 | 171 | 526 | 49 | 756 | 756 | 756 |
| U.S. Average | 34 | 353 | 775 | 80 | 34 | 353 | 775 | 80 | 34 | 353 | 775 | 80 | 1,242 | 1,242 | 1,242 |

- = no data available

(a) 30-year normal represents average over 1971 - 2000, reported by National Oceanic and Atmospheric Administration.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Regions refer to U.S. Census divisions.

See "Census division" in EIA's Energy Glossary (<http://www.eia.doe.gov/glossary/index.html>) for a list of States in each region.

Historical data: Latest data available from U.S. Department of Commerce, National Oceanic and Atmospheric Association (NOAA).

Minor discrepancies with published historical data are due to independent rounding.

Projections: Based on forecasts by the NOAA Climate Prediction Center.