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Energy Information Administration

**February 2011**

# Short-Term Energy Outlook

**February 8, 2011 Release**

## Highlights

- EIA expects the price of WTI crude oil to average about $93 per barrel in 2011, $14 higher than the average price last year. For 2012, EIA projects that WTI prices will continue to rise, averaging $98 per barrel. EIA's forecast assumes U.S. real gross domestic product (GDP) grows 3.0 percent in 2011 and 2.8 percent in 2012, while world real GDP (weighted by oil consumption) grows by 3.9 percent and 4.0 percent, respectively, in 2011 and 2012.

- EIA expects regular-grade motor gasoline retail prices to average $3.15 per gallon in 2011, 37 cents per gallon higher than the 2010 average, and $3.30 per gallon in 2012, with prices forecast to average about 5 cents per gallon higher in each year during the peak driving season (April through September). There is regional variation in the forecast, with average expected prices on the West Coast about 25 cents per gallon above the national average during the peak driving season. There is also significant uncertainty surrounding the forecast, with the current market prices of futures and options contracts for gasoline suggesting a 35 percent probability that the national monthly average retail price for regular gasoline could exceed $3.50 per gallon during summer 2011 and about a 10 percent probability that it could exceed $4.00 per gallon. Rising crude oil prices are the primary reason for higher retail prices, but higher refining margins are also expected to contribute.

- EIA estimates that natural gas working inventories ended January 2011 at 2.3 trillion cubic feet (Tcf), about 30 billion cubic feet (Bcf) or 1 percent below the 2010 end-of-January level. Inventories are expected to remain high through 2011. The projected Henry Hub natural gas spot price averages $4.16 per million Btu (MMBtu) for 2011, $0.22 per MMBtu lower than the 2010 average. EIA expects the natural gas market to begin to tighten in 2012, with the Henry Hub spot price increasing to an average of $4.58 per MMBtu.

- EIA forecasts average household expenditures for space-heating fuels to total $991 during this 2010-2011 winter season, $24 higher than last year. EIA projects higher expenditures for heating oil and propane, flat expenditures for electricity, but lower expenditures for natural gas. A forecast of milder weather in the South and the West compared with the 2009-2010 winter leads to lower fuel consumption in those areas.

## Global Crude Oil and Liquid Fuels

***Crude Oil and Liquid Fuels Overview.*** EIA expects a continued tightening of world oil markets over the next two years. World oil consumption grows by an annual average of 1.5 million barrels per day (bbl/d) through 2012 while the growth in supply from non-Organization of the Petroleum Exporting Countries (non-OPEC) countries averages about 0.3 million bbl/d this year and remains flat in 2012. Consequently, EIA expects the market will rely on both inventories and significant increases in the production of crude oil and non-crude liquids in OPEC member countries to meet world demand growth. While on-shore commercial oil inventories in the Organization for Economic Cooperation and Development (OECD) countries remained high last year, floating oil storage fell sharply in 2010, and EIA expects that OECD oil inventories will decline over the forecast period to close to the middle of the previous 5-year range by the end of 2012.

There are many significant uncertainties that could push oil prices higher or lower than current expectations. Among the uncertainties are decisions by key OPEC member countries regarding their production response to the global recovery in oil demand; the rate of economic recovery, both domestically and globally; fiscal issues facing national and sub-national governments; and China's efforts to address concerns regarding its growth and inflation rates. In addition, even though Egypt is not a major supplier of crude oil or natural gas to world markets, the recent unrest in that country raises the concern that unrest could spread to other countries in the region with a larger role in supplying world energy markets or that key transit routes for energy and other goods could be disrupted.

***Global Crude Oil and Liquid Fuels Consumption.*** World crude oil and liquid fuels consumption grew by an estimated 2.4 million bbl/d in 2010, to 86.7 million bbl/d, the second largest annual increase in at least 30 years. This growth more than offset the losses of the previous two years and surpassed the 2007 level of 86.3 million bbl/d reached prior to the economic downturn. EIA expects that world liquid fuels consumption will grow by 1.5 million bbl/d in 2011 and by an additional 1.6 million bbl/d in 2012. Non-OECD countries make up almost all of the growth in consumption

over the next 2 years, with the largest contributions coming from China, Brazil, and the Middle East. Among the OECD regions, EIA expects that only North America will show oil consumption growth over the next 2 years, which will be offset by continued declines in OECD Europe and Asia.

***Non-OPEC Supply.*** EIA projects non-OPEC crude oil and liquid fuels production will increase by 310,000 bbl/d in 2011, then decline slightly in 2012. Increases in non-OPEC oil production will be concentrated in a few countries, particularly in China and Brazil, where EIA expects each to show annual average production growth of 170,000 bbl/d in 2011. In 2012, EIA expects Canadian production growth to average 170,000 bbl/d while China and Brazil grow by 130,000 and 110,000 bbl/d, respectively. Other non-OPEC production is expected to decline. EIA expects Mexico's production will fall by about 210,000 bbl/d in 2011, followed by a further decline of 80,000 bbl/d in 2012. Similarly, production from the North Sea falls by 220,000 bbl/d and 160,000 bbl/d in 2011 and 2012, respectively. Projected U.S. crude oil production declines by 50,000 bbl/d in 2011 and by a further 190,000 bbl/d in 2012.

***OPEC Supply.*** Forecast OPEC crude oil production increases by 0.4 million bbl/d in 2011, followed by a further increase of 1.2 million bbl/d in 2012. These production increases are in response to the increase in global demand for oil and limited growth in supplies originating in non-OPEC countries. Non-crude liquids production is expected to increase by 0.7 and 0.4 million bbl/d in 2011 and 2012, respectively. EIA expects that OPEC surplus production capacity will remain above 4 million bbl/d during the next 2 years.

***OECD Petroleum Inventories.*** Onshore commercial oil inventories in the OECD countries remained high last year, but reports indicate floating oil storage fell sharply. Now that floating storage has been reduced, EIA expects that OECD onshore inventories will decline over the forecast period. Projected OECD stocks fall by about 55 million barrels in 2011, followed by an additional 60 million barrel decline in 2012. Days-of-supply (total inventories divided by average daily consumption) drops from 57 days to 55 days between December 2010 and the end of 2012, which is close to the middle of the previous 5-year range.

***Crude Oil Prices.*** WTI crude oil spot prices averaged $89 per barrel in January, about the same as the December average, while over the same time period the estimated average cost of all crude oil to U.S. refineries increased by about $1 per barrel. Growing volumes of Canadian crude oil imported into the United States contributed to record-high storage levels at Cushing, Oklahoma, and a price discount for WTI compared with similar quality world crudes such as Brent crude oil. Projected WTI

spot prices rise to an average of $95 per barrel in December 2011 and continue to increase to $99 per barrel by the fourth quarter of 2012.

Energy price forecasts are uncertain (Energy Price Volatility and Forecast Uncertainty). WTI futures for April 2011 delivery over the 5-day period ending February 3 averaged $93 per barrel, and implied volatility averaged 30 percent. This makes the lower and upper limits of the 95-percent confidence interval $76 per barrel and $114 per barrel, respectively, for WTI delivered in April 2011. Last year at this time, WTI for April 2010 delivery averaged $75 per barrel and implied volatility averaged 34 percent, with the limits of the 95-percent confidence interval at $60 per barrel and $94 per barrel. Based on WTI futures and options prices, the probability that the monthly average price of WTI crude oil will exceed $100 per barrel in December 2011 is about 44 percent. Conversely, the probability that the monthly average December 2011 WTI price will fall below $85 per barrel is about 32 percent.

**U.S. Crude Oil and Liquid Fuels**

***U.S. Liquid Fuels Consumption.*** Total consumption of petroleum and non-petroleum liquid fuels increased by 360,000 bbl/d (1.9 percent) to 19.1 million bbl/d in 2010 (U.S. Liquid Fuels Consumption Growth Chart). The major sources of this consumption growth were distillate fuel oil (diesel fuel and heating oil), which grew by 140,000 bbl/d (3.8 percent), and motor gasoline, which increased by 60,000 bbl/d (0.6 percent). Projected total U.S. liquid fuels consumption increases by 140,000 bbl/d (0.8 percent) in 2011 and a further 170,000 bbl/d (0.9 percent), to 19.5 million bbl/d, in 2012. Motor gasoline and distillate fuel account for much of the growth in consumption.

***U.S. Liquid Fuels Supply and Imports.*** Domestic crude oil production, which increased by 150,000 bbl/d in 2010 to 5.51 million bbl/d, declines by 50,000 bbl/d in 2011 and by a further 190,000 bbl/d in 2012 (U.S. Crude Oil Production Chart). The 2011 forecast includes production declines in Alaska of 60,000 bbl/d in 2011 and an additional decline of 20,000 bbl/d in 2012 because of the ongoing decline in production from the maturing Alaskan oil fields. EIA expects production from the Federal Gulf of Mexico (GOM) to fall by 250,000 bbl/d each year over the next 2 years. The production declines in Alaska and the GOM are partially offset by projected increases in lower-48 non-GOM production of 250,000-bbl/d in 2011 and 80,000 bbl/d in 2012.

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 9.6 million bbl/d in 2011 and 10.0

million bbl/d in 2012, comprising 50 percent and 51 percent of total consumption, respectively.

EIA expects slow growth in fuel ethanol production over the next 2 years. Ethanol production increases by a projected 50,000 bbl/d to 910,000 bbl/d in 2011 and then grows by an additional 10,000 bbl/d in 2012.

***U.S. Petroleum Product Prices.*** Projected regular-grade gasoline retail prices rise from an average of $2.78 per gallon in 2010 to $3.15 per gallon in 2011 and $3.30 per gallon in 2012. There is regional variation in the forecast, with average expected prices on the West Coast about 25 cents per gallon above the national average.

On-highway diesel fuel retail prices, which averaged $2.99 per gallon in 2010, will average $3.43 per gallon and $3.51 per gallon, respectively, in 2011 and 2012. Rising crude oil prices are the primary reason for higher retail prices, but higher gasoline and distillate refining margins are also expected to contribute to higher retail prices.

The projected monthly average regular gasoline price peaks this year at $3.24 per gallon in July. New York Harbor RBOB (reformulated gasoline blendstock for oxygenate blending) futures contracts for July 2011 delivery over the 5-day period ending February 3 averaged $2.65 per gallon and implied volatility averaged 30 percent. The probability the RBOB futures price will exceed $2.80 per gallon (and the U.S. average regular gasoline retail price exceed $3.50 per gallon) in July 2011 is about 35 percent. The probability the RBOB futures price will exceed $3.30 per gallon (and the gasoline retail price exceed $4.00 per gallon) in July 2011 is about 10 percent.

**Natural Gas**

***U.S. Natural Gas Consumption.*** EIA expects that total natural gas consumption will remain flat from 2010 to 2011. Reported residential and commercial consumption are expected to decline by 0.3 percent and 2.4 percent, respectively, primarily because of changes to EIA's methodology for collecting and reporting natural gas consumption data (see *Changes in Natural Gas Monthly Consumption Data Collection and the Short-Term Energy Outlook*). Industrial consumption rises from 18.0 billion cubic feet per day (Bcf/d) in 2010 to 18.3 Bcf/d in 2011 as the natural-gas weighted industrial production index increases 2.4 percent year over year.

Total consumption grows 1 percent in 2012, from 66.2 Bcf/d to 66.8 Bcf/d. Increases in natural gas consumption in the electric power sector (2.9 percent) and industrial sector (1.2 percent) are partially offset by slight declines in residential and commercial consumption. EIA expects electric power sector and industrial sector consumption to grow by 2.9 percent and 1.2 percent, respectively, in 2012.

***U.S. Natural Gas Production and Imports.*** Total marketed natural gas production grew strongly throughout 2010 (4.4 percent), increasing from 59.7 Bcf/d in January to an estimated 63.7 Bcf/d in December. Year-over-year growth in 2011 is expected to slow considerably to just 0.8 percent as an increase of 1.0 Bcf/d in the lower-48 states is partially offset by a decline of 0.4 Bcf/d in the GOM.

The latest EIA data for monthly natural gas production in the *Natural Gas Monthly*, showed an increase in lower-48 states' production for November 2010, reversing October's decline. Modest declines are expected to resume and continue through 2011, however, because of a falling drilling rig count in response to lower prices. The number of rigs drilling for natural gas reported by Baker Hughes Inc. increased from a low of 665 in July 2009 to 973 in April 2010. Over the following 6 months the natural gas rig count stayed relatively unchanged. However, over the last 3 months the rig count has fallen, dropping to 911 rigs as of February 4. The large price difference between petroleum liquids and natural gas on an energy-equivalent basis contributes to an expected shift towards drilling for liquids rather than for dry gas.

Increasing consumption, especially in the electric power sector, contributes to higher prices and more economic incentive for producers to resume drilling. Total domestic natural gas production increases 1.1 percent in 2012. Lower-48 production is expected to increase throughout 2012 from 55.0 Bcf/d in January to 57.4 Bcf/d in December, which would be strong growth, but significantly less than during 2010. Federal GOM production declines slightly, by 0.4 percent (0.02 Bcf/d) in 2012.

EIA expects gross pipeline imports of 8.7 Bcf/d in 2011 and 8.2 Bcf/d in 2012, year-over-year decreases of 4.2 and 5.5 percent, respectively. Projected imports of liquefied natural gas (LNG) average 1.1 Bcf/d in 2011, a 4.4-percent decrease from 2010 levels. LNG imports in 2012 grow modestly to 1.2 Bcf/d. High domestic production, high inventories, and low U.S. prices relative to European and Asian markets should continue to discourage LNG imports.

***U.S. Natural Gas Inventories.*** On January 28, 2011, working natural gas in storage stood at 2,353 Bcf, slightly below last year's level at this time (U.S. Working Natural Gas in Storage Chart). At the end of the winter heating season (March 31, 2011), EIA expects that about 1,651 Bcf of working natural gas will remain in storage, which is a downward revision of about 120 Bcf from last month's Outlook. Colder-than-normal weather east of the Rocky Mountains in January contributed to a larger-than-expected draw on inventories. EIA expects near-record high inventories to continue through most of 2011. Falling production and greater consumption contribute to lower inventories in the second half of 2012.

***U.S. Natural Gas Prices.*** The Henry Hub spot price averaged $4.49 per MMBtu in January, 2011, $0.24 per MMBtu greater than the average spot price in December 2010 (Henry Hub Natural Gas Price Chart). EIA expects that the Henry Hub spot price will average $4.16 per MMBtu in 2011, a drop of $0.22 per MMBtu from the 2010 average. EIA expects the natural gas market to begin to tighten in 2012, with the Henry Hub spot price increasing to an average of $4.58 per MMBtu.

Uncertainty over future natural gas prices is slightly lower this year compared with last year at this time. Natural gas futures for April 2011 delivery (for the 5-day period ending February 3) averaged $4.39 per MMBtu, and the average implied volatility over the same period was 34 percent. This produced lower and upper bounds for the 95-percent confidence interval for April 2011 contracts of $3.40 per MMBtu and $5.66 per MMBtu, respectively. At this time last year, the natural gas April 2010 futures contract averaged $5.35 per MMBtu and implied volatility averaged 46 percent. The corresponding lower and upper limits of the 95-percent confidence interval were $3.80 per MMBtu and $7.50 per MMBtu.

**Electricity**

***U.S. Electricity Consumption.*** EIA expects total U.S. consumption of electricity in 2011 to remain at about the same level as consumption during 2010. Retail sales of electricity to the residential sector this year will fall 2.0 percent in response to the assumed 16-percent decline in cooling degree-days. Consumption should grow by 2.5 percent during 2012 (U.S. Total Electricity Consumption Chart). During 2012, EIA's assumption of a relatively strong increase in the number of households leads to a 2.3-percent increase in residential electricity sales. Continued robust growth in manufacturing output should drive growth in industrial electricity sales of 1.7 percent during 2011 and 2.3 percent in 2012.

***U.S. Electricity Generation.*** Projected total generation by the electric power sector decreases by 0.2 percent in 2011, which is the same year-over-year decline as projected in last month's *Outlook*. However, EIA has lowered its projections for growth in hydroelectric power this year to 0.9 percent compared to 6.0 percent in the last *Outlook*. This downward revision in hydro generation will be offset by natural gas-fired generation, which is now expected to grow slightly during 2011. During 2012, EIA expects a 2.5-percent increase in total electric power sector generation, which will be fueled primarily by increased generation from coal, natural gas, and non-hydropower renewables (U.S. Electric Power Sector Generation Growth Chart).

***U.S. Electricity Retail Prices.*** EIA expects the U.S. retail price for electricity distributed to the residential sector to rise slightly (0.6 percent) during 2011, after a

small increase of 0.7 percent during 2010. The U.S. residential price increases by about 0.7 percent in 2012. These price increases are relatively small compared with the average annual growth rate of 3.5 percent over the period of 2000-2009 (U.S. Residential Electricity Prices Chart). The effect of lower generation fuel costs should be more evident in retail electricity prices for the industrial sector, which are expected to fall about 2 percent this year after a similar rise last year. Projected industrial electricity prices should rise 0.8 percent in 2012.

**Coal**

***U.S. Coal Consumption.*** EIA estimates that coal consumption in the electric power sector grew by nearly 5 percent in 2010, primarily the result of higher electricity consumption because of the very warm summer. EIA projects that coal consumption in the electric power sector will decrease by 0.7 percent in 2011, as increases in generation from natural gas, nuclear, and wind back out coal. In 2012, projected electricity generation increases by 2.5 percent and coal consumption in the electric power sector grows by 3.4 percent (U.S. Coal Consumption Growth Chart).

***U.S. Coal Supply.*** Coal production during the first 6 months of 2010 fell by 2.5 percent from the same period last year despite a 5.4-percent increase in U.S. coal consumption. A drawdown in stocks, particularly in the electric power sector, met the demand increase (U.S. Electric Power Sector Coal Stocks Chart). Estimated coal production increases in the second half of 2010 contributed to 2010 annual growth of 1.0 percent. EIA projects coal production in 2011 will remain relatively flat as coal consumption shows little change (U.S. Annual Coal Production Chart). The projected increase in coal consumption in 2012 leads to a forecast 3.6 percent increase in coal production.

***U.S. Coal Trade.*** Strong global demand for coal, particularly metallurgical coal used to produce steel, resulted in sharp increases in U.S. coal exports in 2010 to an average of 7.3 percent of production. Metallurgical coal exports nearly doubled in the first half of 2010 compared with the first half of 2009, and metallurgical coal's share of total coal exports has grown from 52 percent in 2008 to almost 70 percent in 2010. Flooding in Australia has greatly affected the amount of metallurgical coal available on the world market, and EIA expects U.S. metallurgical coal exports to increase in 2011 by 7.3 percent. In 2012, forecast U.S. coal exports fall back to more recent levels (about 80 million short tons) as other major coal-exporting countries increase their supply to the global coal market.

***U.S. Coal Prices.*** Coal prices have been rising relatively steadily over the last 10 years reflecting longer-term power sector coal contracts initiated during a period of high

energy prices, rising transportation costs, and increased consumption. However, EIA expects that the power sector coal price will show little change over 2011 and 2012 as coal competes with natural gas for market share in the power sector. The projected power sector-delivered coal price, which averaged $2.26 per MMBtu in 2010, averages $2.23 per MMBtu in both 2011 and 2012.

**U.S. Carbon Dioxide Emissions**

EIA estimates that fossil-fuel $CO_2$ emissions increased by 3.6 percent in 2010 (U.S. Carbon Dioxide Emissions Growth Chart). Coal- and natural gas-related $CO_2$ emissions rose as a result of increased usage of both fuels for electricity generation and higher consumption of natural gas in the industrial sector.

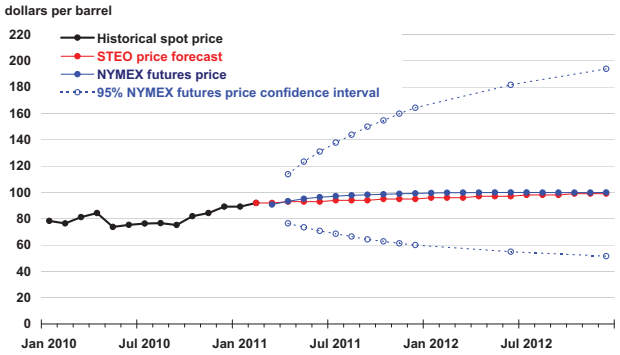
Projected increases for consumption of petroleum--primarily in the transportation sector--and natural gas are offset by declines in coal consumption in the electric power sector in 2011. As a result, forecast fossil-fuel $CO_2$ emissions remain relatively flat in 2011. The forecast resumption of growth in electricity generation and improvement in economic growth in 2012 contribute to a 2.0-percent increase in fossil-fuel $CO_2$ emissions. Projected fossil-fuel $CO_2$ emissions in 2012 remain below the levels seen since 1999 and 4.3 percent below 2005 emissions.

U.S. Energy Information Administration

# Short-Term Energy Outlook

## Chart Gallery for February 2011

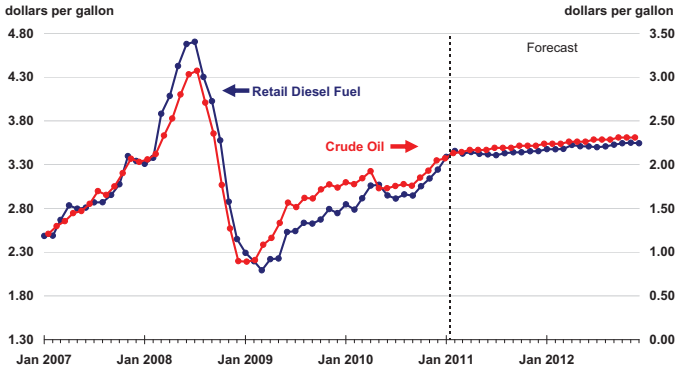
### West Texas Intermediate (WTI) Crude Oil Price




*Note: Confidence interval derived from options market information for the 5 trading days ending February 3, 2011*
*Intervals not calculated for months with sparse trading in "near-the-money" options contracts*

Source: Short-Term Energy Outlook, February 2011

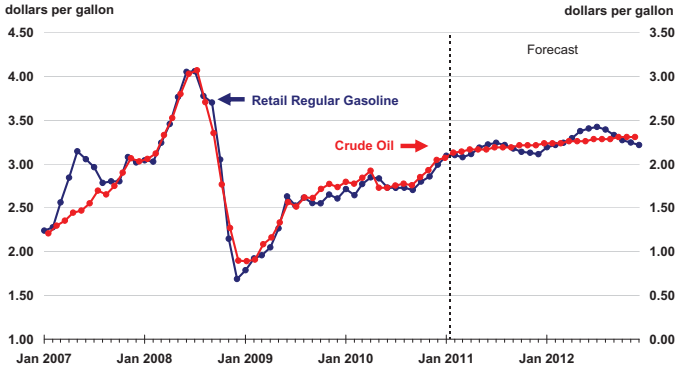
### U.S. Diesel Fuel and Crude Oil Prices




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

Source: Short-Term Energy Outlook, February 2011

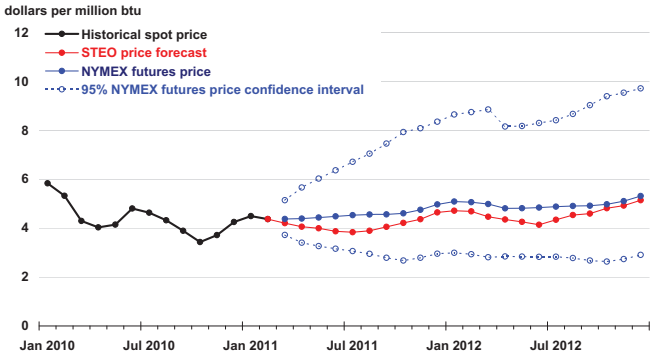
## U.S. Gasoline and Crude Oil Prices




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

Source: Short-Term Energy Outlook, February 2011

## Henry Hub Natural Gas Price




*Note: Confidence interval derived from options market information for 5 trading days ending February 3, 2011*
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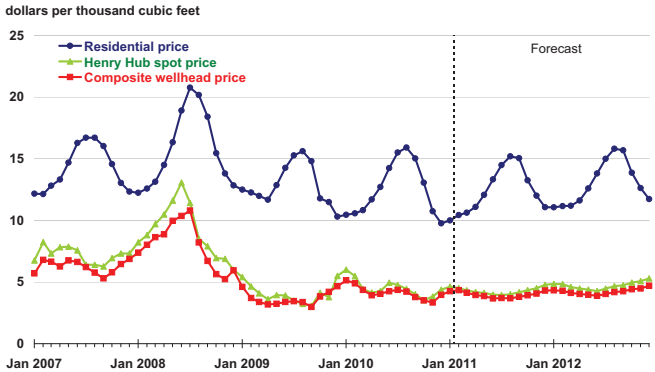
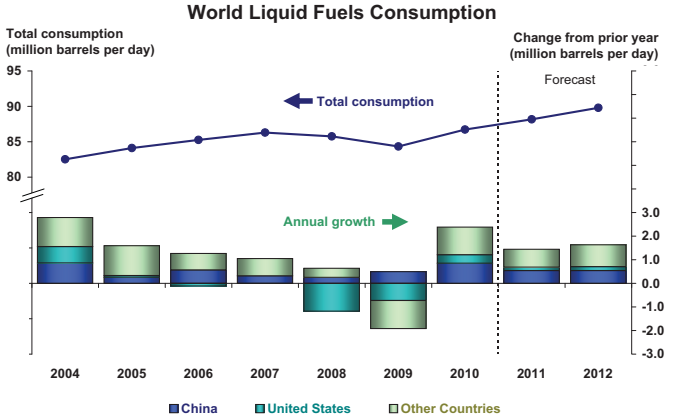
Source: Short-Term Energy Outlook, February 2011

## Natural Gas Prices



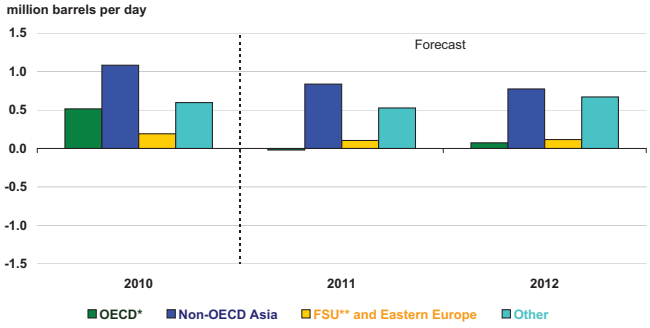

Source: Short-Term Energy Outlook, February 2011

## World Liquid Fuels Consumption




Source: Short-Term Energy Outlook, February 2011

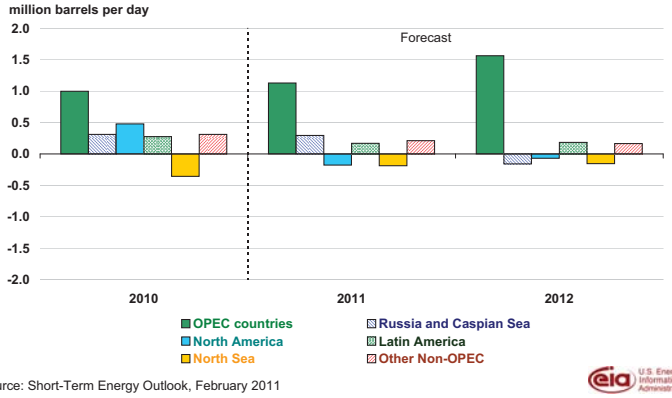
## World Liquid Fuels Consumption Growth
## (change from previous year)




* Countries belonging to Organization for Economic Cooperation and Development
** Former Soviet Union

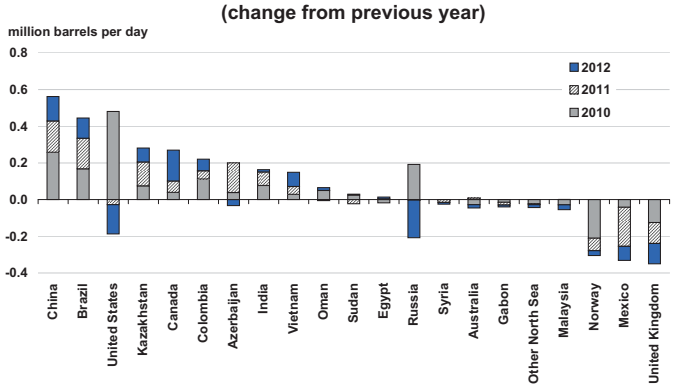
Source: Short-Term Energy Outlook, February 2011

## World Crude Oil and Liquid Fuels Production Growth
## (change from previous year)



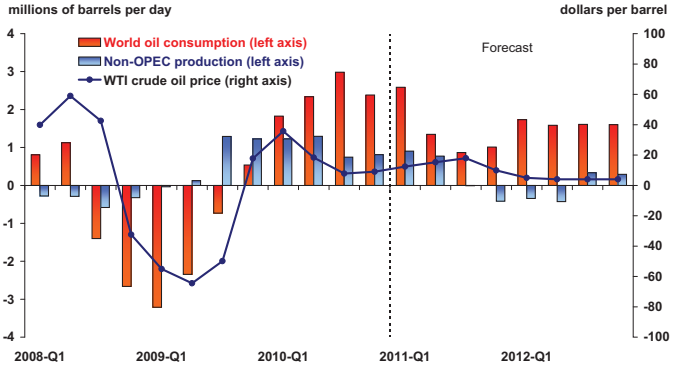

Source: Short-Term Energy Outlook, February 2011

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



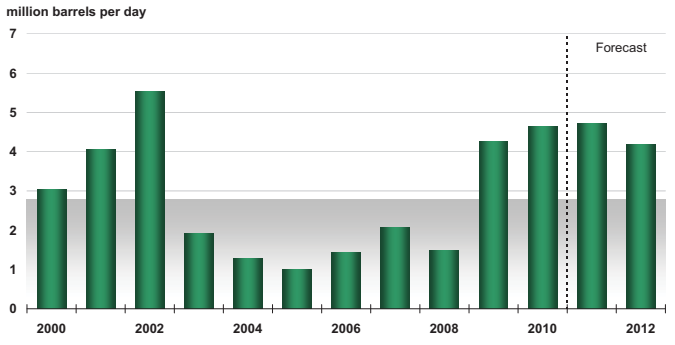

Source: Short-Term Energy Outlook, February 2011

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




Source: Short-Term Energy Outlook, February 2011

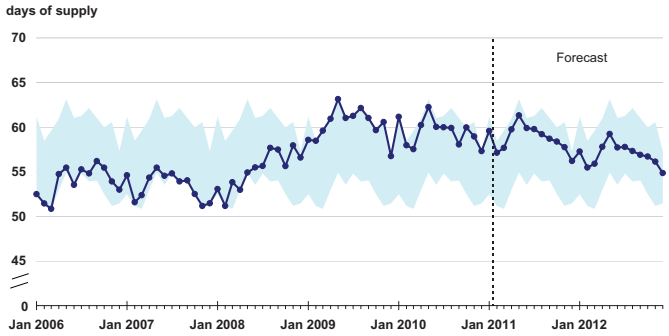
## OPEC Surplus Crude Oil Production Capacity




*Note: Shaded area represents 2000-2010 average (2.8 million barrels per day)*

Source: Short-Term Energy Outlook, February 2011

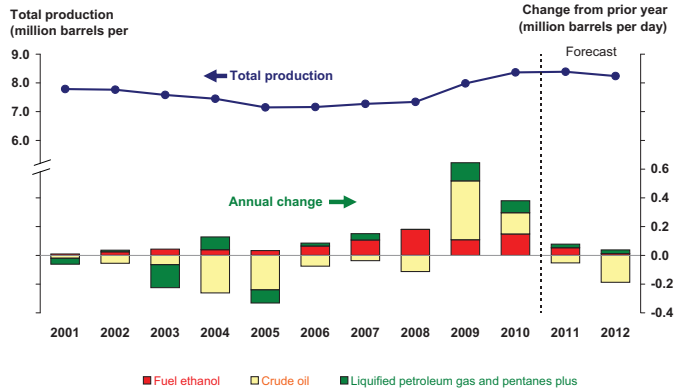
## OECD Commercial Oil Stocks




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

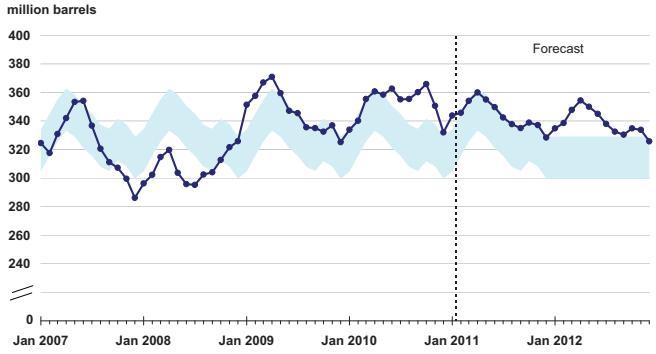
Source: Short-Term Energy Outlook, February 2011

## U.S. Crude Oil and Liquid Fuels Production




Source: Short-Term Energy Outlook, February 2011

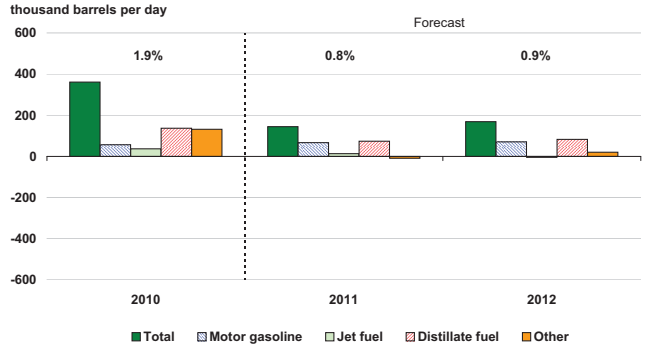
## U.S. Crude Oil Stocks




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

Source: Short-Term Energy Outlook, February 2011

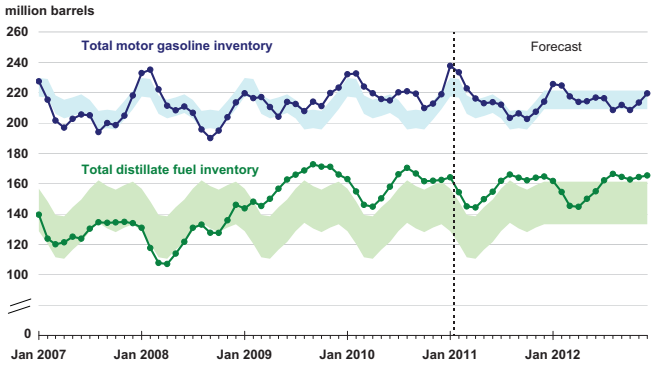
## U.S. Liquid Fuels Consumption Growth
## (change from previous year)




*Note: Percent change labels refer to total petroleum products growth*

Source: Short-Term Energy Outlook, February 2011

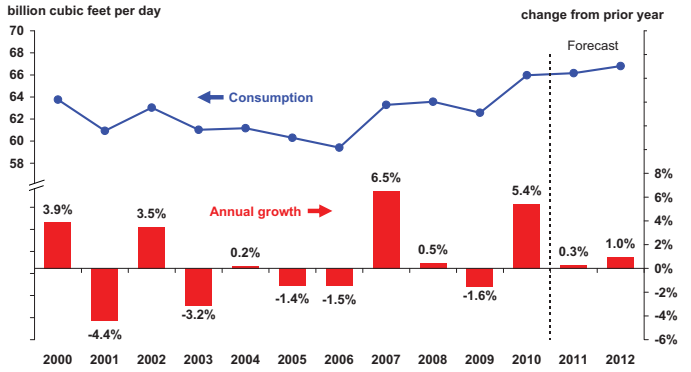
## U.S. Gasoline and Distillate Inventories




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

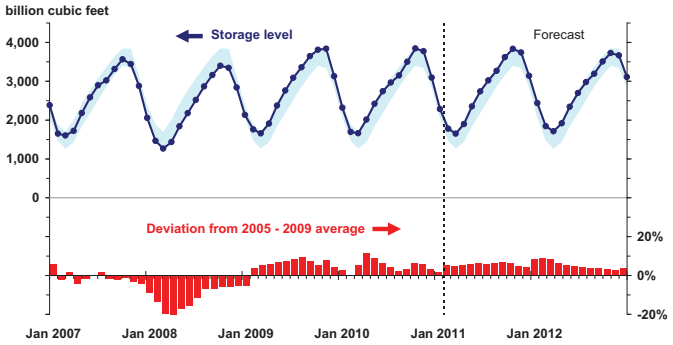
Source: Short-Term Energy Outlook, February 2011

## U.S. Total Natural Gas Consumption




Source: Short-Term Energy Outlook, February 2011

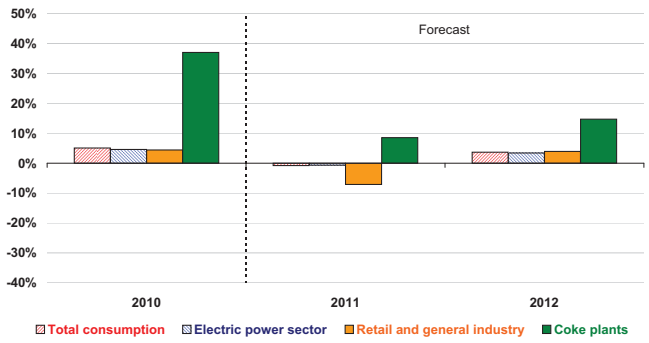
## U.S. Working Natural Gas in Storage




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

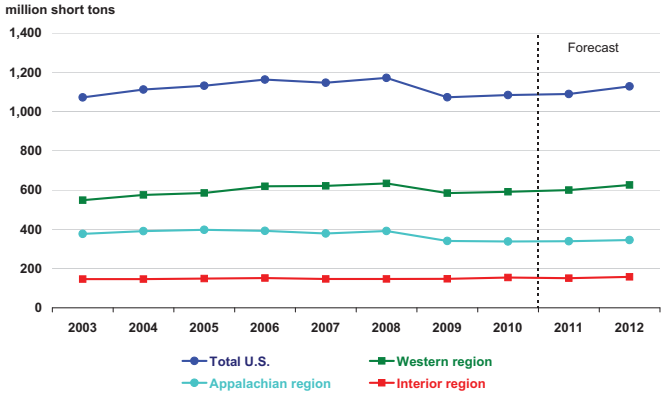
Source: Short-Term Energy Outlook, February 2011

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



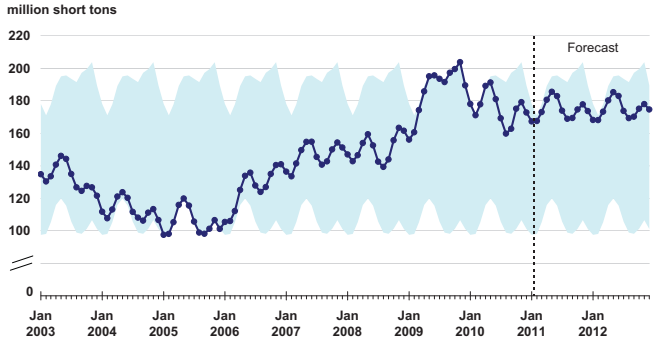

Source: Short-Term Energy Outlook, February 2011

## U.S. Annual Coal Production




Source: Short-Term Energy Outlook, February 2011

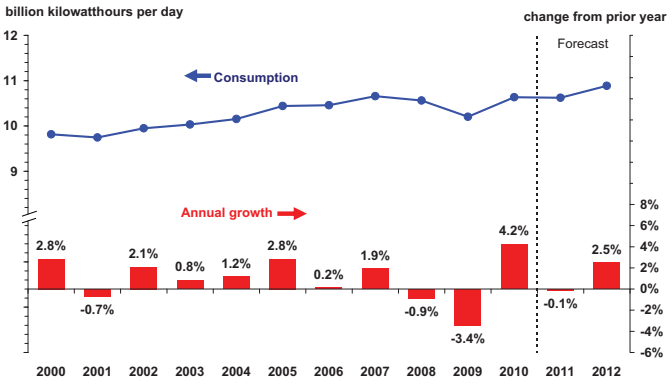
## U.S. Electric Power Coal Stocks




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

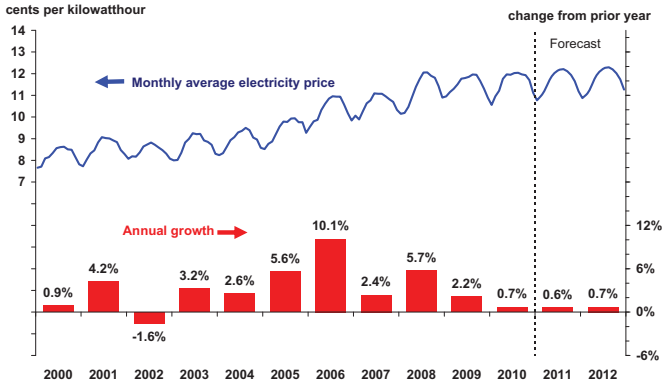
Source: Short-Term Energy Outlook, February 2011

## U.S. Total Electricity Consumption



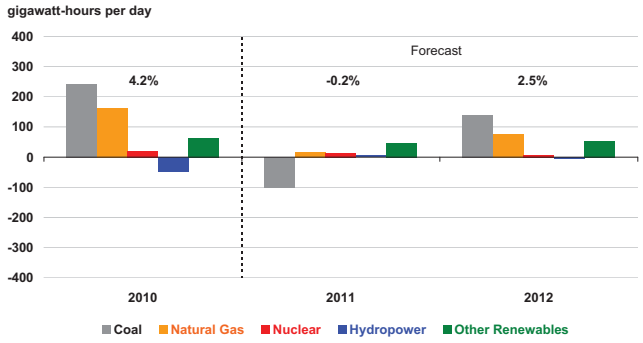

Source: Short-Term Energy Outlook, February 2011

## U.S. Residential Electricity Price




Source: Short-Term Energy Outlook, February 2011

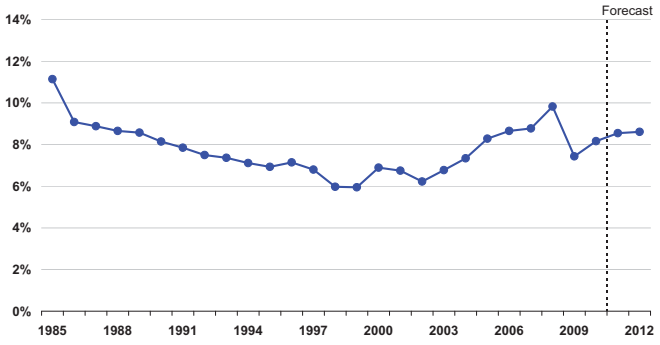
## U.S. Electric Power Sector Generation Growth
## (change from previous year)




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

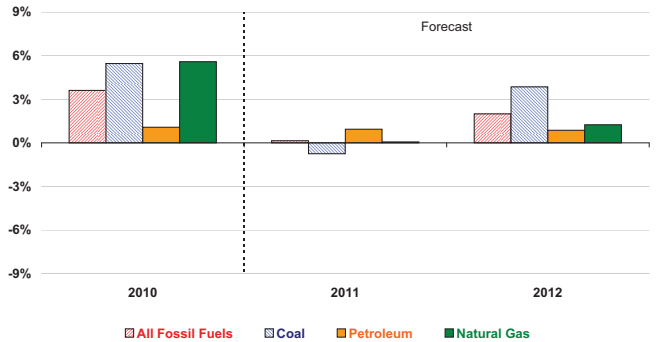
Source: Short-Term Energy Outlook, February 2011

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



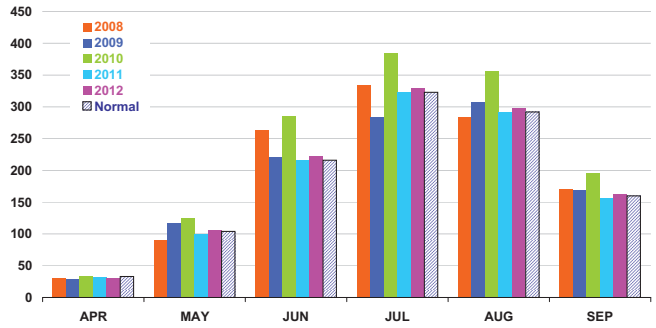

Source: Short-Term Energy Outlook, February 2011

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




Source: Short-Term Energy Outlook, February 2011

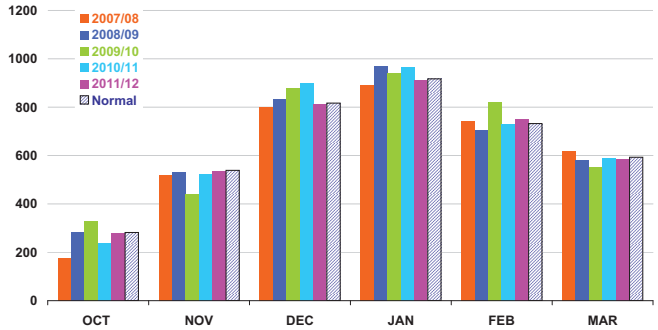
## U.S. Summer Cooling Degree-Days (population-weighted)




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, February 2011

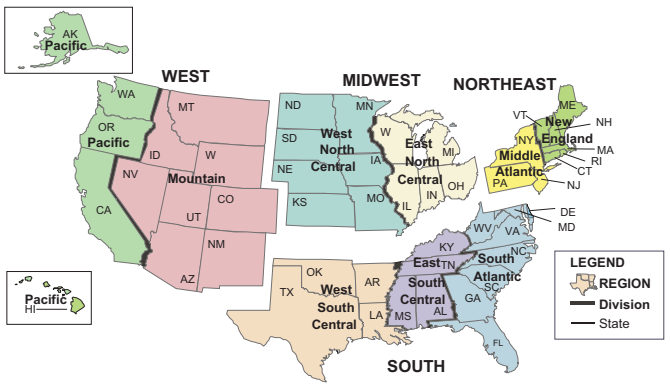
## U.S. Winter Heating Degree-Days (population-weighted)




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, February 2011

## U.S. Census Regions and Census Divisions




Source: Short-Term Energy Outlook, February 2011

**Table WF01. Average Consumer Prices* and Expenditures for Heating Fuels During the Winter**

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

| Fuel / Region | Winter of | | | | | | | Forecast | |
|---|---|---|---|---|---|---|---|---|---|
| | 04-05 | 05-06 | 06-07 | 07-08 | 08-09 | Avg.04-09 | 09-10 | 10-11 | % Change |
| **Natural Gas** | | | | | | | | | |
| Households (thousands) | 56,106 | 56,367 | 56,588 | 56,767 | 56,650 | 56,496 | 56,636 | 56,944 | 0.5 |
| **Northeast** | | | | | | | | | |
| Consumption (mcf**) | 80.4 | 74.6 | 75.5 | 75.9 | 81.4 | 77.6 | 76.7 | 81.4 | 6.1 |
| Price ($/mcf) | 12.65 | 16.36 | 14.74 | 15.17 | 15.82 | 14.93 | 13.32 | 12.93 | -3.0 |
| Expenditures ($) | 1,017 | 1,221 | 1,112 | 1,152 | 1,287 | 1,158 | 1,022 | 1,052 | 2.9 |
| **Midwest** | | | | | | | | | |
| Consumption (mcf) | 81.4 | 78.7 | 81.1 | 84.8 | 87.5 | 82.7 | 85.2 | 86.0 | 0.9 |
| Price ($/mcf) | 10.04 | 13.46 | 11.06 | 11.39 | 11.46 | 11.47 | 9.44 | 9.23 | -2.3 |
| Expenditures ($) | 818 | 1,059 | 897 | 966 | 1,003 | 948 | 805 | 793 | -1.5 |
| **South** | | | | | | | | | |
| Consumption (mcf) | 52.0 | 52.0 | 52.8 | 51.5 | 54.7 | 52.6 | 61.8 | 57.4 | -7.1 |
| Price ($/mcf) | 12.18 | 16.48 | 13.56 | 14.15 | 14.04 | 14.08 | 11.51 | 11.76 | 2.2 |
| Expenditures ($) | 634 | 856 | 716 | 730 | 768 | 741 | 712 | 675 | -5.1 |
| **West** | | | | | | | | | |
| Consumption (mcf) | 49.7 | 49.7 | 50.2 | 52.4 | 49.9 | 50.4 | 51.7 | 50.6 | -2.1 |
| Price ($/mcf) | 10.18 | 12.96 | 11.20 | 11.31 | 10.86 | 11.30 | 9.92 | 9.39 | -5.3 |
| Expenditures ($) | 506 | 644 | 562 | 592 | 542 | 569 | 513 | 475 | -7.2 |
| **U.S. Average** | | | | | | | | | |
| Consumption (mcf) | 66.0 | 64.1 | 65.3 | 66.8 | 68.9 | 66.2 | 69.4 | 69.2 | -0.4 |
| Price ($/mcf) | 11.05 | 14.57 | 12.35 | 12.71 | 12.86 | 12.70 | 10.83 | 10.60 | -2.1 |
| Expenditures ($) | 729 | 934 | 806 | 850 | 886 | 841 | 752 | 733 | -2.5 |
| **Heating Oil** | | | | | | | | | |
| Households (thousands) | 9,056 | 8,710 | 8,489 | 8,201 | 7,805 | 8,452 | 7,509 | 7,258 | -3.3 |
| **Northeast** | | | | | | | | | |
| Consumption (gallons) | 723.1 | 668.9 | 676.1 | 684.0 | 732.6 | 697.0 | 685.0 | 729.1 | 6.4 |
| Price ($/gallon) | 1.94 | 2.45 | 2.51 | 3.31 | 2.66 | 2.57 | 2.84 | 3.33 | 17.4 |
| Expenditures ($) | 1,401 | 1,641 | 1,696 | 2,267 | 1,951 | 1,791 | 1,946 | 2,431 | 24.9 |
| **Midwest** | | | | | | | | | |
| Consumption (gallons) | 538.7 | 517.5 | 536.3 | 564.2 | 586.0 | 548.5 | 567.1 | 573.6 | 1.1 |
| Price ($/gallon) | 1.84 | 2.37 | 2.39 | 3.31 | 2.23 | 2.43 | 2.60 | 3.12 | 20.3 |
| Expenditures ($) | 991 | 1,227 | 1,280 | 1,870 | 1,304 | 1,334 | 1,473 | 1,792 | 21.7 |
| **South** | | | | | | | | | |
| Consumption (gallons) | 513.2 | 507.1 | 494.3 | 484.7 | 551.4 | 510.2 | 594.3 | 587.5 | -1.1 |
| Price ($/gallon) | 1.95 | 2.46 | 2.38 | 3.34 | 2.57 | 2.53 | 2.85 | 3.27 | 14.8 |
| Expenditures ($) | 999 | 1,249 | 1,177 | 1,620 | 1,419 | 1,293 | 1,692 | 1,920 | 13.5 |
| **West** | | | | | | | | | |
| Consumption (gallons) | 443.5 | 438.2 | 436.8 | 468.4 | 439.9 | 445.4 | 440.9 | 435.1 | -1.3 |
| Price ($/gallon) | 1.99 | 2.49 | 2.60 | 3.40 | 2.39 | 2.58 | 2.89 | 3.33 | 15.0 |
| Expenditures ($) | 883 | 1,091 | 1,134 | 1,591 | 1,051 | 1,150 | 1,275 | 1,447 | 13.5 |
| **U.S. Average** | | | | | | | | | |
| Consumption (gallons) | 692.1 | 648.4 | 653.9 | 662.3 | 709.4 | 673.2 | 675.0 | 710.0 | 5.2 |
| Price ($/gallon) | 1.93 | 2.45 | 2.49 | 3.32 | 2.63 | 2.56 | 2.83 | 3.32 | 17.2 |
| Expenditures ($) | 1,337 | 1,590 | 1,628 | 2,197 | 1,867 | 1,724 | 1,910 | 2,356 | 23.3 |

**Table WF01. Average Consumer Prices* and Expenditures for Heating Fuels During the Winter**

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

| Fuel / Region | Winter of | | | | | | | Forecast | |
|---|---|---|---|---|---|---|---|---|---|
| | 04-05 | 05-06 | 06-07 | 07-08 | 08-09 | Avg.04-09 | 09-10 | 10-11 | % Change |
| **Propane** | | | | | | | | | |
| Households (thousands) | 6,775 | 6,559 | 6,354 | 6,033 | 5,859 | 6,316 | 5,756 | 5,559 | -3.4 |
| Northeast | | | | | | | | | |
| Consumption (gallons) | 932.0 | 865.5 | 874.0 | 882.6 | 942.8 | 899.4 | 885.7 | 939.1 | 6.0 |
| Price ($/gallon) | 1.88 | 2.20 | 2.30 | 2.78 | 2.72 | 2.37 | 2.73 | 3.02 | 10.9 |
| Expenditures ($) | 1,751 | 1,903 | 2,006 | 2,454 | 2,561 | 2,135 | 2,414 | 2,839 | 17.6 |
| Midwest | | | | | | | | | |
| Consumption (gallons) | 900.3 | 872.6 | 900.5 | 944.8 | 969.2 | 917.5 | 951.4 | 953.4 | 0.2 |
| Price ($/gallon) | 1.42 | 1.67 | 1.74 | 2.12 | 2.14 | 1.83 | 1.84 | 2.09 | 13.6 |
| Expenditures ($) | 1,282 | 1,453 | 1,569 | 2,004 | 2,074 | 1,676 | 1,754 | 1,997 | 13.9 |
| South | | | | | | | | | |
| Consumption (gallons) | 629.6 | 632.0 | 635.6 | 622.1 | 666.7 | 637.2 | 743.7 | 699.3 | -6.0 |
| Price ($/gallon) | 1.79 | 2.11 | 2.16 | 2.66 | 2.49 | 2.24 | 2.53 | 2.72 | 7.7 |
| Expenditures ($) | 1,126 | 1,336 | 1,375 | 1,653 | 1,662 | 1,430 | 1,878 | 1,902 | 1.3 |
| West | | | | | | | | | |
| Consumption (gallons) | 735.7 | 735.4 | 744.0 | 777.0 | 732.5 | 744.9 | 768.3 | 744.4 | -3.1 |
| Price ($/gallon) | 1.78 | 2.08 | 2.16 | 2.64 | 2.31 | 2.20 | 2.44 | 2.64 | 8.5 |
| Expenditures ($) | 1,308 | 1,532 | 1,609 | 2,051 | 1,694 | 1,639 | 1,872 | 1,967 | 5.1 |
| U.S. Average | | | | | | | | | |
| Consumption (gallons) | 772.6 | 760.6 | 774.9 | 794.4 | 820.7 | 784.6 | 842.2 | 832.8 | -1.1 |
| Price ($/gallon) | 1.65 | 1.95 | 2.01 | 2.45 | 2.35 | 2.09 | 2.26 | 2.50 | 10.5 |
| Expenditures ($) | 1,275 | 1,481 | 1,560 | 1,947 | 1,932 | 1,639 | 1,906 | 2,083 | 9.3 |
| **Electricity** | | | | | | | | | |
| Households (thousands) | 35,701 | 36,506 | 37,292 | 38,217 | 39,030 | 37,349 | 39,776 | 40,470 | 1.7 |
| Northeast | | | | | | | | | |
| Consumption (kwh***) | 9,625 | 9,146 | 9,209 | 9,256 | 9,691 | 9,385 | 9,300 | 9,678 | 4.1 |
| Price ($/kwh) | 0.117 | 0.133 | 0.139 | 0.144 | 0.151 | 0.137 | 0.152 | 0.155 | 1.8 |
| Expenditures ($) | 1,127 | 1,214 | 1,280 | 1,335 | 1,467 | 1,284 | 1,416 | 1,500 | 5.9 |
| Midwest | | | | | | | | | |
| Consumption (kwh) | 10,621 | 10,405 | 10,618 | 10,951 | 11,145 | 10,748 | 11,003 | 11,026 | 0.2 |
| Price ($/kwh) | 0.077 | 0.081 | 0.085 | 0.089 | 0.098 | 0.086 | 0.098 | 0.101 | 3.2 |
| Expenditures ($) | 817 | 839 | 906 | 977 | 1,087 | 925 | 1,082 | 1,119 | 3.4 |
| South | | | | | | | | | |
| Consumption (kwh) | 7,993 | 7,974 | 7,992 | 7,915 | 8,208 | 8,017 | 8,667 | 8,424 | -2.8 |
| Price ($/kwh) | 0.082 | 0.092 | 0.096 | 0.098 | 0.109 | 0.096 | 0.103 | 0.104 | 0.5 |
| Expenditures ($) | 652 | 736 | 769 | 779 | 893 | 766 | 897 | 875 | -2.4 |
| West | | | | | | | | | |
| Consumption (kwh) | 7,888 | 7,866 | 7,897 | 8,105 | 7,864 | 7,924 | 8,020 | 7,917 | -1.3 |
| Price ($/kwh) | 0.092 | 0.097 | 0.102 | 0.104 | 0.106 | 0.100 | 0.111 | 0.113 | 1.0 |
| Expenditures ($) | 726 | 761 | 808 | 840 | 837 | 795 | 894 | 891 | -0.3 |
| U.S. Average | | | | | | | | | |
| Consumption (kwh) | 8,249 | 8,169 | 8,216 | 8,251 | 8,441 | 8,265 | 8,707 | 8,562 | -1.7 |
| Price ($/kwh) | 0.088 | 0.096 | 0.101 | 0.104 | 0.112 | 0.100 | 0.110 | 0.112 | 1.6 |
| Expenditures ($) | 723 | 788 | 830 | 858 | 946 | 829 | 961 | 960 | -0.1 |
| **Average Expenditures ($)** | 813 | 971 | 923 | 1,014 | 1,033 | 951 | 967 | 991 | 2.5 |
| **Heating Degree-Days** | | | | | | | | | |
| Northeast | 5,181 | 4,744 | 4,804 | 4,849 | 5,252 | 4,966 | 4,889 | 5,241 | 7.2 |
| Midwest | 5,354 | 5,145 | 5,334 | 5,620 | 5,827 | 5,456 | 5,657 | 5,708 | 0.9 |
| South | 2,383 | 2,373 | 2,401 | 2,337 | 2,550 | 2,409 | 2,930 | 2,716 | -7.3 |
| West | 2,927 | 2,919 | 2,946 | 3,119 | 2,920 | 2,966 | 3,048 | 2,972 | -2.5 |
| U.S. Average | 3,723 | 3,586 | 3,657 | 3,746 | 3,904 | 3,723 | 3,960 | 3,944 | -0.4 |

Note: Winter covers the period October 1 through March 31. Fuel consumption per household is based only on households that use that fuel as the primary space-heating fuel. Included in fuel consumption is consumption for water heating, appliances, and lighting (electricity). Per household consumption based on an average of EIA 2001 and 2005 Residential Energy Consumption Surveys corrected for actual and projected heating degree-days.

* Prices include taxes

** thousand cubic feet

*** kilowatthour

**Table 1. U.S. Energy Markets Summary**

Energy Information Administration/Short-Term Energy Outlook - February 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** | **5.60** | *5.54* | *5.50* | *5.37* | *5.42* | *5.36* | *5.31* | *5.20* | *5.21* | **5.51** | *5.46* | *5.27* |
| Dry Natural Gas Production | | | | | | | | | | | | | | | |
| (billion cubic feet per day) | **57.93** | **58.56** | **59.28** | **60.50** | *60.09* | *59.75* | *59.19* | *59.11* | *59.13* | *59.80* | *60.56* | *61.27* | **59.08** | *59.53* | *60.19* |
| Coal Production | | | | | | | | | | | | | | | |
| (million short tons) | **265** | **265** | **278** | **275** | *269* | *266* | *277* | *278* | *291* | *271* | *283* | *283* | **1,084** | *1,090* | *1,128* |
| **Energy Consumption** | | | | | | | | | | | | | | | |
| Liquid Fuels | | | | | | | | | | | | | | | |
| (million barrels per day) | **18.82** | **19.01** | **19.49** | **19.20** | *19.13* | *19.23* | *19.42* | *19.33* | *19.43* | *19.33* | *19.54* | *19.48* | **19.13** | *19.28* | *19.45* |
| Natural Gas | | | | | | | | | | | | | | | |
| (billion cubic feet per day) | **83.41** | **54.42** | **57.91** | **68.40** | *83.04* | *54.76* | *56.88* | *70.23* | *82.36* | *55.64* | *58.25* | *71.03* | **65.97** | *66.17* | *66.81* |
| Coal (b) | | | | | | | | | | | | | | | |
| (million short tons) | **265** | **247** | **286** | **250** | *264* | *238* | *278* | *260* | *278* | *247* | *287* | *266* | **1,048** | *1,040* | *1,078* |
| Electricity | | | | | | | | | | | | | | | |
| (billion kilowatt hours per day) | **10.62** | **10.02** | **12.01** | **9.89** | *10.60* | *10.08* | *11.78* | *10.02* | *10.85* | *10.33* | *12.09* | *10.27* | **10.64** | *10.62* | *10.89* |
| Renewables (c) | | | | | | | | | | | | | | | |
| (quadrillion Btu) | **1.80** | **1.98** | **1.82** | **1.85** | *1.91* | *2.13* | *1.92* | *1.82* | *1.98* | *2.15* | *1.98* | *1.94* | **7.45** | *7.79* | *8.06* |
| Total Energy Consumption (d) | | | | | | | | | | | | | | | |
| (quadrillion Btu) | **25.75** | **22.92** | **24.50** | **24.76** | *25.99* | *23.27* | *24.45* | *25.01* | *26.55* | *23.64* | *24.88* | *25.39* | **97.94** | *98.71* | *100.47* |
| **Energy Prices** | | | | | | | | | | | | | | | |
| Crude Oil (e) | | | | | | | | | | | | | | | |
| (dollars per barrel) | **75.89** | **75.34** | **74.05** | **81.70** | *88.81* | *91.00* | *92.00* | *93.00* | *94.00* | *95.00* | *96.00* | *97.00* | **76.72** | *91.23* | *95.51* |
| Natural Gas Wellhead | | | | | | | | | | | | | | | |
| (dollars per thousand cubic feet) | **4.79** | **4.07** | **4.12** | **3.61** | *4.23* | *3.82* | *3.72* | *4.10* | *4.24* | *3.96* | *4.16* | *4.53* | **4.14** | *3.97* | *4.22* |
| Coal | | | | | | | | | | | | | | | |
| (dollars per million Btu) | **2.26** | **2.26** | **2.28** | **2.24** | *2.26* | *2.26* | *2.22* | *2.19* | *2.23* | *2.24* | *2.23* | *2.21* | **2.26** | *2.23* | *2.23* |
| **Macroeconomic** | | | | | | | | | | | | | | | |
| Real Gross Domestic Product | | | | | | | | | | | | | | | |
| (billion chained 2005 dollars - SAAR) | **13,139** | **13,195** | **13,279** | **13,399** | *13,514* | *13,610* | *13,683* | *13,788* | *13,860* | *13,963* | *14,084* | *14,225* | **13,253** | *13,649* | *14,033* |
| Percent change from prior year | **2.4** | **3.0** | **3.2** | **2.9** | *2.9* | *3.1* | *3.0* | *2.9* | *2.6* | *2.6* | *2.9* | *3.2* | **2.9** | *3.0* | *2.8* |
| GDP Implicit Price Deflator | | | | | | | | | | | | | | | |
| (Index, 2005=100) | **110.0** | **110.5** | **111.1** | **111.1** | *111.6* | *111.7* | *112.1* | *112.5* | *112.9* | *113.2* | *113.6* | *114.0* | **110.6** | *112.0* | *113.4* |
| Percent change from prior year | **0.5** | **0.8** | **1.2** | **1.3** | *1.5* | *1.1* | *0.9* | *1.3* | *1.1* | *1.3* | *1.4* | *1.4* | **0.9** | *1.2* | *1.3* |
| Real Disposable Personal Income | | | | | | | | | | | | | | | |
| (billion chained 2005 dollars - SAAR) | **10,113** | **10,252** | **10,275** | **10,307** | *10,386* | *10,472* | *10,528* | *10,583* | *10,499* | *10,567* | *10,615* | *10,683* | **10,237** | *10,492* | *10,591* |
| Percent change from prior year | **0.7** | **0.6** | **1.9** | **2.2** | *2.7* | *2.1* | *2.5* | *2.7* | *1.1* | *0.9* | *0.8* | *0.9* | **1.4** | *2.5* | *0.9* |
| Manufacturing Production Index | | | | | | | | | | | | | | | |
| (Index, 2007=100) | **88.5** | **90.6** | **91.6** | **92.5** | *93.7* | *94.5* | *95.4* | *96.3* | *97.2* | *98.2* | *99.4* | *100.7* | **90.8** | *95.0* | *98.9* |
| Percent change from prior year | **3.9** | **8.8** | **7.2** | **6.3** | *5.8* | *4.3* | *4.1* | *4.1* | *3.8* | *3.9* | *4.2* | *4.7* | **6.5** | *4.6* | *4.1* |
| **Weather** | | | | | | | | | | | | | | | |
| U.S. Heating Degree-Days | **2,311** | **422** | **68** | **1,659** | *2,285* | *540* | *100* | *1,632* | *2,250* | *534* | *98* | *1,618* | **4,460** | *4,557* | *4,500* |
| U.S. Cooling Degree-Days | **12** | **445** | **937** | **73** | *31* | *348* | *772* | *77* | *35* | *358* | *790* | *83* | **1,467** | *1,228* | *1,266* |

- = 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 - February 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** | *91.06* | *93.00* | *94.00* | *95.00* | *96.00* | *97.00* | *98.00* | *99.00* | **79.40** | *93.26* | *97.50* |
| Imported Average | **75.28** | **74.33** | **73.32** | **80.81** | *87.80* | *90.00* | *91.00* | *92.00* | *93.00* | *94.00* | *95.00* | *96.00* | **75.81** | *90.23* | *94.51* |
| Refiner Average Acquisition Cost | **75.89** | **75.34** | **74.05** | **81.70** | *88.81* | *91.00* | *92.00* | *93.00* | *94.00* | *95.00* | *96.00* | *97.00* | **76.72** | *91.23* | *95.51* |
| **Liquid Fuels** (cents per gallon) | | | | | | | | | | | | | | | |
| **Refiner Prices for Resale** | | | | | | | | | | | | | | | |
| Gasoline | **211** | **218** | **210** | **228** | *246* | *255* | *256* | *250* | *260* | *272* | *272* | *260* | **217** | *252* | *266* |
| Diesel Fuel | **209** | **220** | **215** | **240** | *265* | *264* | *263* | *264* | *269* | *272* | *271* | *273* | **221** | *264* | *271* |
| Heating Oil | **205** | **212** | **204** | **236** | *261* | *254* | *253* | *259* | *267* | *265* | *263* | *271* | **215** | *258* | *267* |
| **Refiner Prices to End Users** | | | | | | | | | | | | | | | |
| Jet Fuel | **210** | **219** | **214** | **239** | *266* | *263* | *262* | *264* | *270* | *271* | *270* | *273* | **221** | *263* | *271* |
| No. 6 Residual Fuel Oil (a) | **172** | **170** | **166** | **180** | *197* | *204* | *209* | *216* | *221* | *221* | *223* | *228* | **172** | *206* | *223* |
| Propane to Petrochemical Sector | **123** | **109** | **107** | **126** | *134* | *128* | *125* | *132* | *137* | *131* | *132* | *139* | **118** | *130* | *135* |
| **Retail Prices Including Taxes** | | | | | | | | | | | | | | | |
| Gasoline Regular Grade (b) | **271** | **281** | **272** | **289** | *309* | *318* | *321* | *313* | *322* | *336* | *338* | *325* | **278** | *315* | *330* |
| Gasoline All Grades (b) | **277** | **286** | **277** | **294** | *314* | *323* | *327* | *318* | *327* | *341* | *344* | *330* | **284** | *320* | *336* |
| On-highway Diesel Fuel | **285** | **303** | **294** | **315** | *342* | *343* | *343* | *345* | *348* | *351* | *351* | *355* | **299** | *343* | *351* |
| Heating Oil | **290** | **288** | **276** | **314** | *344* | *330* | *325* | *344* | *358* | *347* | *339* | *359* | **297** | *341* | *355* |
| Propane | **240** | **233** | **211** | **238** | *259* | *255* | *229* | *252* | *269* | *264* | *239* | *264* | **235** | *253* | *263* |
| **Natural Gas** | | | | | | | | | | | | | | | |
| Average Wellhead (dollars per thousand cubic feet) | **4.79** | **4.07** | **4.12** | **3.61** | *4.23* | *3.82* | *3.72* | *4.10* | *4.24* | *3.96* | *4.16* | *4.53* | **4.14** | *3.97* | *4.22* |
| Henry Hub Spot (dollars per thousand cubic feet) | **5.30** | **4.45** | **4.41** | **3.91** | *4.48* | *4.09* | *4.04* | *4.54* | *4.76* | *4.37* | *4.62* | *5.10* | **4.52** | *4.29* | *4.71* |
| Henry Hub Spot (dollars per Million Btu) | **5.15** | **4.32** | **4.28** | **3.80** | *4.35* | *3.97* | *3.92* | *4.40* | *4.62* | *4.25* | *4.49* | *4.96* | **4.39** | *4.16* | *4.58* |
| **End-Use Prices** (dollars per thousand cubic feet) | | | | | | | | | | | | | | | |
| Industrial Sector | **6.51** | **4.98** | **5.07** | **4.96** | *6.02* | *5.12* | *5.05* | *5.83* | *6.24* | *5.38* | *5.45* | *6.24* | **5.41** | *5.54* | *5.86* |
| Commercial Sector | **9.30** | **9.25** | **9.63** | **8.64** | *9.00* | *8.85* | *9.41* | *9.58* | *9.66* | *9.19* | *9.86* | *10.10* | **9.14** | *9.20* | *9.74* |
| Residential Sector | **10.59** | **12.54** | **15.47** | **10.52** | *10.30* | *11.76* | *14.91* | *11.75* | *11.12* | *12.28* | *15.50* | *12.40* | **11.17** | *11.29* | *12.01* |
| **Electricity** | | | | | | | | | | | | | | | |
| **Power Generation Fuel Costs** (dollars per million Btu) | | | | | | | | | | | | | | | |
| Coal | **2.26** | **2.26** | **2.28** | **2.24** | *2.26* | *2.26* | *2.22* | *2.19* | *2.23* | *2.24* | *2.23* | *2.21* | **2.26** | *2.23* | *2.23* |
| Natural Gas | **6.06** | **4.89** | **4.88** | **4.48** | *5.14* | *4.80* | *4.75* | *5.14* | *5.39* | *4.98* | *5.22* | *5.61* | **5.03** | *4.93* | *5.28* |
| Residual Fuel Oil (c) | **12.10** | **12.36** | **12.36** | **13.35** | *13.79* | *14.46* | *14.62* | *14.76* | *15.02* | *15.25* | *15.31* | *15.41* | **12.49** | *14.39* | *15.24* |
| Distillate Fuel Oil | **15.84** | **16.48** | **16.18** | **17.97** | *19.95* | *19.59* | *19.68* | *20.04* | *20.49* | *20.39* | *20.39* | *20.97* | **16.53** | *19.81* | *20.55* |
| **End-Use Prices** (cents per kilowatthour) | | | | | | | | | | | | | | | |
| Industrial Sector | **6.54** | **6.77** | **7.19** | **6.68** | *6.39* | *6.64* | *7.04* | *6.53* | *6.44* | *6.68* | *7.09* | *6.59* | **6.80** | *6.66* | *6.71* |
| Commercial Sector | **9.82** | **10.25** | **10.65** | **10.05** | *9.81* | *10.25* | *10.75* | *10.10* | *9.87* | *10.30* | *10.80* | *10.15* | **10.21** | *10.25* | *10.30* |
| Residential Sector | **10.88** | **11.90** | **12.02** | **11.53** | *10.96* | *11.88* | *12.17* | *11.56* | *11.04* | *11.97* | *12.26* | *11.64* | **11.58** | *11.65* | *11.74* |

- = 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 - February 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 | **21.34** | **21.13** | **20.85** | **21.31** | *21.16* | *20.91* | *20.41* | *20.62* | *20.79* | *20.53* | *20.32* | *20.49* | **21.16** | *20.77* | *20.53* |
| U.S. (50 States) | **9.46** | **9.56** | **9.67** | **9.80** | *9.63* | *9.64* | *9.54* | *9.57* | *9.46* | *9.46* | *9.39* | *9.42* | **9.62** | *9.59* | *9.43* |
| Canada | **3.29** | **3.30** | **3.35** | **3.40** | *3.44* | *3.36* | *3.36* | *3.42* | *3.55* | *3.49* | *3.57* | *3.65* | **3.33** | *3.40* | *3.56* |
| Mexico | **3.02** | **2.99** | **2.97** | **2.86** | *2.81* | *2.82* | *2.70* | *2.66* | *2.71* | *2.72* | *2.65* | *2.60* | **2.96** | *2.75* | *2.67* |
| North Sea (b) | **4.08** | **3.74** | **3.34** | **3.72** | *3.75* | *3.58* | *3.30* | *3.49* | *3.57* | *3.38* | *3.20* | *3.34* | **3.72** | *3.53* | *3.37* |
| Other OECD | **1.51** | **1.54** | **1.52** | **1.54** | *1.53* | *1.52* | *1.51* | *1.48* | *1.50* | *1.49* | *1.50* | *1.47* | **1.53** | *1.51* | *1.49* |
| Non-OECD | **64.55** | **65.00** | **65.37** | **65.80** | *66.80* | *67.24* | *66.91* | *67.08* | *68.17* | *68.56* | *69.12* | *69.26* | **65.19** | *67.01* | *68.78* |
| OPEC | **34.51** | **34.77** | **35.00** | **35.20** | *35.66* | *36.02* | *36.11* | *36.21* | *37.02* | *37.38* | *37.90* | *37.96* | **34.87** | *36.00* | *37.56* |
| Crude Oil Portion | **29.40** | **29.44** | **29.50** | **29.48** | *29.64* | *29.88* | *29.94* | *29.95* | *30.56* | *30.86* | *31.30* | *31.37* | **29.45** | *29.85* | *31.03* |
| Other Liquids | **5.11** | **5.33** | **5.50** | **5.73** | *6.02* | *6.14* | *6.17* | *6.26* | *6.45* | *6.52* | *6.60* | *6.59* | **5.42** | *6.15* | *6.54* |
| Former Soviet Union | **13.11** | **13.17** | **13.21** | **13.27** | *13.55* | *13.56* | *13.39* | *13.38* | *13.35* | *13.31* | *13.29* | *13.26* | **13.19** | *13.47* | *13.30* |
| China | **4.16** | **4.20** | **4.26** | **4.37** | *4.39* | *4.44* | *4.40* | *4.45* | *4.51* | *4.56* | *4.57* | *4.58* | **4.25** | *4.42* | *4.55* |
| Other Non-OECD | **12.78** | **12.87** | **12.89** | **12.96** | *13.20* | *13.23* | *13.01* | *13.04* | *13.30* | *13.32* | *13.37* | *13.46* | **12.87** | *13.12* | *13.36* |
| Total World Supply | **85.90** | **86.14** | **86.22** | **87.11** | *87.96* | *88.16* | *87.32* | *87.70* | *88.96* | *89.09* | *89.44* | *89.74* | **86.35** | *87.78* | *89.31* |
| Non-OPEC Supply | **51.39** | **51.37** | **51.22** | **51.91** | *52.29* | *52.14* | *51.21* | *51.50* | *51.95* | *51.71* | *51.55* | *51.79* | **51.47** | *51.78* | *51.75* |
| **Consumption (million barrels per day) (c)** | | | | | | | | | | | | | | | |
| OECD | **45.78** | **45.10** | **46.52** | **46.33** | *46.44* | *45.06* | *45.75* | *46.41* | *46.63* | *45.07* | *45.78* | *46.47* | **45.94** | *45.92* | *45.99* |
| U.S. (50 States) | **18.82** | **19.01** | **19.49** | **19.20** | *19.13* | *19.23* | *19.42* | *19.33* | *19.43* | *19.33* | *19.54* | *19.48* | **19.13** | *19.28* | *19.45* |
| 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** | **2.23** | **2.26** | **2.26** | *2.27* | *2.19* | *2.30* | *2.29* | *2.32* | *2.22* | *2.34* | *2.33* | **2.24** | *2.26* | *2.30* |
| Europe | **14.17** | **14.11** | **14.79** | **14.57** | *14.32* | *13.97* | *14.43* | *14.55* | *14.21* | *13.86* | *14.31* | *14.43* | **14.41** | *14.32* | *14.20* |
| Japan | **4.79** | **4.04** | **4.33** | **4.44** | *4.76* | *3.94* | *3.97* | *4.34* | *4.59* | *3.80* | *3.83* | *4.19* | **4.40** | *4.25* | *4.10* |
| Other OECD | **5.55** | **5.44** | **5.38** | **5.60** | *5.69* | *5.46* | *5.37* | *5.64* | *5.82* | *5.58* | *5.49* | *5.77* | **5.49** | *5.54* | *5.67* |
| Non-OECD | **39.69** | **41.23** | **41.02** | **41.16** | *41.62* | *42.61* | *42.66* | *42.09* | *43.16* | *44.19* | *44.24* | *43.64* | **40.78** | *42.25* | *43.81* |
| Former Soviet Union | **4.31** | **4.33** | **4.48** | **4.44** | *4.42* | *4.47* | *4.62* | *4.58* | *4.52* | *4.57* | *4.73* | *4.69* | **4.39** | *4.53* | *4.63* |
| Europe | **0.79** | **0.77** | **0.83** | **0.83** | *0.76* | *0.74* | *0.79* | *0.79* | *0.77* | *0.76* | *0.81* | *0.81* | **0.80** | *0.77* | *0.79* |
| China | **8.88** | **9.31** | **8.89** | **9.60** | *9.61* | *9.86* | *9.73* | *9.64* | *10.15* | *10.41* | *10.27* | *10.17* | **9.17** | *9.71* | *10.25* |
| Other Asia | **9.77** | **9.89** | **9.43** | **9.66** | *10.14* | *10.17* | *9.71* | *9.93* | *10.39* | *10.41* | *9.94* | *10.16* | **9.69** | *9.99* | *10.22* |
| Other Non-OECD | **15.94** | **16.92** | **17.40** | **16.64** | *16.68* | *17.37* | *17.80* | *17.15* | *17.32* | *18.04* | *18.50* | *17.81* | **16.73** | *17.25* | *17.92* |
| Total World Consumption | **85.47** | **86.33** | **87.54** | **87.49** | *88.06* | *87.67* | *88.41* | *88.51* | *89.79* | *89.26* | *90.02* | *90.11* | **86.72** | *88.16* | *89.79* |
| **Inventory Net Withdrawals (million barrels per day)** | | | | | | | | | | | | | | | |
| U.S. (50 States) | **-0.03** | **-0.65** | **-0.20** | **0.71** | *0.10* | *-0.40* | *-0.10* | *0.43* | *0.10* | *-0.46* | *-0.11* | *0.40* | **-0.04** | *0.01* | *-0.02* |
| Other OECD | **-0.18** | **-0.21** | **0.54** | **-0.31** | *0.00* | *-0.03* | *0.46* | *0.14* | *0.28* | *0.23* | *0.26* | *-0.02* | **-0.04** | *0.14* | *0.19* |
| Other Stock Draws and Balance | **-0.21** | **1.05** | **0.98** | **-0.03** | *0.00* | *-0.05* | *0.74* | *0.22* | *0.44* | *0.40* | *0.43* | *-0.02* | **0.45** | *0.23* | *0.31* |
| Total Stock Draw | **-0.43** | **0.19** | **1.32** | **0.38** | *0.10* | *-0.48* | *1.09* | *0.80* | *0.83* | *0.16* | *0.57* | *0.36* | **0.37** | *0.38* | *0.48* |
| **End-of-period Inventories (million barrels)** | | | | | | | | | | | | | | | |
| U.S. Commercial Inventory | **1,053** | **1,112** | **1,130** | **1,065** | *1,056* | *1,092* | *1,102* | *1,062* | *1,052* | *1,095* | *1,105* | *1,068* | **1,065** | *1,062* | *1,068* |
| OECD Commercial Inventory | **2,671** | **2,753** | **2,735** | **2,697** | *2,688* | *2,727* | *2,695* | *2,642* | *2,607* | *2,628* | *2,615* | *2,580* | **2,697** | *2,642* | *2,580* |

- = no data available

OECD = Organization for Economic Cooperation and Development: Australia, Austria, Belgium, Canada, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Luxembourg, Mexico, the Netherlands, New Zealand, Norway, Poland, Portugal, 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 databases supporting the *International Petroleum Monthly* ; 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 - February 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| **North America** | **15.76** | **15.85** | **15.99** | **16.06** | *15.88* | *15.81* | *15.60* | *15.65* | *15.72* | *15.66* | *15.61* | *15.67* | **15.91** | *15.74* | *15.67* |
| Canada | **3.29** | **3.30** | **3.35** | **3.40** | *3.44* | *3.36* | *3.36* | *3.42* | *3.55* | *3.49* | *3.57* | *3.65* | **3.33** | *3.40* | *3.56* |
| Mexico | **3.02** | **2.99** | **2.97** | **2.86** | *2.81* | *2.82* | *2.70* | *2.66* | *2.71* | *2.72* | *2.65* | *2.60* | **2.96** | *2.75* | *2.67* |
| United States | **9.46** | **9.56** | **9.67** | **9.80** | *9.63* | *9.64* | *9.54* | *9.57* | *9.46* | *9.46* | *9.39* | *9.42* | **9.62** | *9.59* | *9.43* |
| **Central and South America** | **4.72** | **4.80** | **4.78** | **4.84** | *4.95* | *5.00* | *4.93* | *4.95* | *5.07* | *5.12* | *5.16* | *5.20* | **4.79** | *4.96* | *5.14* |
| Argentina | **0.80** | **0.79** | **0.79** | **0.76** | *0.76* | *0.76* | *0.75* | *0.75* | *0.76* | *0.76* | *0.76* | *0.75* | **0.78** | *0.76* | *0.76* |
| Brazil | **2.68** | **2.75** | **2.73** | **2.80** | *2.91* | *2.94* | *2.88* | *2.89* | *2.97* | *3.01* | *3.03* | *3.06* | **2.74** | *2.91* | *3.02* |
| Colombia | **0.77** | **0.79** | **0.81** | **0.82** | *0.83* | *0.84* | *0.84* | *0.86* | *0.89* | *0.89* | *0.91* | *0.93* | **0.80** | *0.84* | *0.91* |
| Other Central and S. America | **0.47** | **0.46** | **0.46** | **0.46** | *0.45* | *0.45* | *0.45* | *0.45* | *0.46* | *0.46* | *0.46* | *0.46* | **0.47** | *0.45* | *0.46* |
| **Europe** | **4.92** | **4.61** | **4.22** | **4.58** | *4.59* | *4.42* | *4.12* | *4.31* | *4.40* | *4.20* | *4.03* | *4.16* | **4.58** | *4.36* | *4.20* |
| Norway | **2.32** | **2.11** | **1.93** | **2.20** | *2.17* | *2.09* | *1.97* | *2.06* | *2.14* | *2.03* | *1.98* | *2.03* | **2.14** | *2.07* | *2.04* |
| United Kingdom (offshore) | **1.46** | **1.35** | **1.16** | **1.23** | *1.29* | *1.21* | *1.06* | *1.16* | *1.17* | *1.09* | *0.97* | *1.06* | **1.30** | *1.18* | *1.07* |
| Other North Sea | **0.30** | **0.29** | **0.25** | **0.28** | *0.28* | *0.28* | *0.27* | *0.27* | *0.27* | *0.26* | *0.25* | *0.25* | **0.28** | *0.27* | *0.26* |
| **FSU and Eastern Europe** | **13.11** | **13.17** | **13.21** | **13.27** | *13.55* | *13.56* | *13.39* | *13.38* | *13.35* | *13.31* | *13.29* | *13.26* | **13.19** | *13.47* | *13.30* |
| Azerbaijan | **1.00** | **1.05** | **1.05** | **1.09** | *1.22* | *1.23* | *1.20* | *1.19* | *1.23* | *1.20* | *1.15* | *1.13* | **1.05** | *1.21* | *1.18* |
| Kazakhstan | **1.61** | **1.57** | **1.62** | **1.66** | *1.74* | *1.75* | *1.73* | *1.75* | *1.80* | *1.81* | *1.83* | *1.84* | **1.61** | *1.74* | *1.82* |
| Russia | **10.10** | **10.14** | **10.14** | **10.12** | *10.18* | *10.18* | *10.06* | *10.06* | *9.92* | *9.90* | *9.93* | *9.91* | **10.12** | *10.12* | *9.91* |
| Turkmenistan | **0.20** | **0.21** | **0.20** | **0.20** | *0.21* | *0.21* | *0.21* | *0.21* | *0.21* | *0.21* | *0.21* | *0.22* | **0.20** | *0.21* | *0.21* |
| Other FSU/Eastern Europe | **0.41** | **0.41** | **0.40** | **0.40** | *0.40* | *0.40* | *0.39* | *0.39* | *0.39* | *0.39* | *0.39* | *0.38* | **0.40** | *0.39* | *0.39* |
| **Middle East** | **1.59** | **1.58** | **1.58** | **1.58** | *1.57* | *1.56* | *1.53* | *1.53* | *1.56* | *1.55* | *1.54* | *1.54* | **1.58** | *1.55* | *1.55* |
| Oman | **0.86** | **0.86** | **0.87** | **0.87** | *0.87* | *0.87* | *0.85* | *0.85* | *0.88* | *0.87* | *0.87* | *0.87* | **0.87** | *0.86* | *0.87* |
| Syria | **0.40** | **0.40** | **0.40** | **0.40** | *0.39* | *0.39* | *0.38* | *0.38* | *0.38* | *0.38* | *0.37* | *0.37* | **0.40** | *0.39* | *0.38* |
| Yemen | **0.27** | **0.26** | **0.26** | **0.26** | *0.26* | *0.25* | *0.24* | *0.25* | *0.25* | *0.24* | *0.24* | *0.24* | **0.26** | *0.25* | *0.25* |
| **Asia and Oceania** | **8.68** | **8.77** | **8.86** | **8.99** | *9.14* | *9.16* | *9.07* | *9.10* | *9.25* | *9.29* | *9.33* | *9.35* | **8.83** | *9.12* | *9.31* |
| Australia | **0.56** | **0.58** | **0.54** | **0.57** | *0.58* | *0.58* | *0.58* | *0.55* | *0.55* | *0.55* | *0.56* | *0.53* | **0.56** | *0.57* | *0.55* |
| China | **4.16** | **4.20** | **4.26** | **4.37** | *4.39* | *4.44* | *4.40* | *4.45* | *4.51* | *4.56* | *4.57* | *4.58* | **4.25** | *4.42* | *4.55* |
| India | **0.91** | **0.92** | **0.98** | **1.01** | *1.04* | *1.04* | *1.02* | *1.02* | *1.04* | *1.04* | *1.04* | *1.04* | **0.96** | *1.03* | *1.04* |
| Indonesia | **1.02** | **1.04** | **1.02** | **1.00** | *1.03* | *1.03* | *1.02* | *1.02* | *1.03* | *1.03* | *1.03* | *1.03* | **1.02** | *1.03* | *1.03* |
| Malaysia | **0.68** | **0.67** | **0.65** | **0.66** | *0.69* | *0.67* | *0.66* | *0.64* | *0.65* | *0.63* | *0.63* | *0.65* | **0.67** | *0.67* | *0.64* |
| Vietnam | **0.35** | **0.36** | **0.39** | **0.37** | *0.40* | *0.41* | *0.40* | *0.42* | *0.45* | *0.48* | *0.50* | *0.52* | **0.37** | *0.41* | *0.49* |
| **Africa** | **2.61** | **2.60** | **2.57** | **2.58** | *2.60* | *2.63* | *2.57* | *2.56* | *2.60* | *2.59* | *2.58* | *2.59* | **2.59** | *2.59* | *2.59* |
| Egypt | **0.66** | **0.66** | **0.66** | **0.66** | *0.66* | *0.67* | *0.66* | *0.67* | *0.68* | *0.68* | *0.68* | *0.68* | **0.66** | *0.67* | *0.68* |
| Equatorial Guinea | **0.33** | **0.33** | **0.32** | **0.32** | *0.31* | *0.31* | *0.30* | *0.29* | *0.29* | *0.30* | *0.30* | *0.29* | **0.33** | *0.30* | *0.30* |
| Gabon | **0.23** | **0.23** | **0.23** | **0.22** | *0.22* | *0.22* | *0.21* | *0.21* | *0.21* | *0.20* | *0.20* | *0.20* | **0.23** | *0.21* | *0.20* |
| Sudan | **0.51** | **0.51** | **0.51** | **0.51** | *0.49* | *0.49* | *0.48* | *0.48* | *0.49* | *0.49* | *0.49* | *0.49* | **0.51** | *0.49* | *0.49* |
| **Total non-OPEC liquids** | **51.39** | **51.37** | **51.22** | **51.91** | *52.29* | *52.14* | *51.21* | *51.50* | *51.95* | *51.71* | *51.55* | *51.79* | **51.47** | *51.78* | *51.75* |
| **OPEC non-crude liquids** | **5.11** | **5.33** | **5.50** | **5.73** | *6.02* | *6.14* | *6.17* | *6.26* | *6.45* | *6.52* | *6.60* | *6.59* | **5.42** | *6.15* | *6.54* |
| **Non-OPEC + OPEC non-crude** | **56.50** | **56.70** | **56.72** | **57.64** | *58.31* | *58.28* | *57.38* | *57.75* | *58.40* | *58.23* | *58.14* | *58.38* | **56.89** | *57.93* | *58.29* |

- = 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 databases supporting the *International Petroleum Monthly* ; 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 and Liquid Fuels Supply (million barrels per day)**

Energy Information Administration/Short-Term Energy Outlook - February 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** | **1.35** | **1.35** | **1.35** | - | - | - | - | - | - | - | - | **1.35** | - | - |
| Angola | **1.97** | **1.94** | **1.79** | **1.70** | - | - | - | - | - | - | - | - | **1.85** | - | - |
| Ecudaor | **0.47** | **0.48** | **0.49** | **0.48** | - | - | - | - | - | - | - | - | **0.48** | - | - |
| Iran | **3.80** | **3.80** | **3.70** | **3.70** | - | - | - | - | - | - | - | - | **3.75** | - | - |
| Iraq | **2.42** | **2.37** | **2.32** | **2.37** | - | - | - | - | - | - | - | - | **2.37** | - | - |
| Kuwait | **2.30** | **2.30** | **2.30** | **2.30** | - | - | - | - | - | - | - | - | **2.30** | - | - |
| Libya | **1.65** | **1.65** | **1.65** | **1.65** | - | - | - | - | - | - | - | - | **1.65** | - | - |
| Nigeria | **2.03** | **1.95** | **2.08** | **2.12** | - | - | - | - | - | - | - | - | **2.05** | - | - |
| Qatar | **0.84** | **0.85** | **0.85** | **0.85** | - | - | - | - | - | - | - | - | **0.85** | - | - |
| Saudi Arabia | **8.20** | **8.37** | **8.57** | **8.57** | - | - | - | - | - | - | - | - | **8.43** | - | - |
| United Arab Emirates | **2.30** | **2.30** | **2.30** | **2.30** | - | - | - | - | - | - | - | - | **2.30** | - | - |
| Venezuela | **2.07** | **2.09** | **2.10** | **2.10** | - | - | - | - | - | - | - | - | **2.09** | - | - |
| OPEC Total | **29.40** | **29.44** | **29.50** | **29.48** | *29.64* | *29.88* | *29.94* | *29.95* | *30.56* | *30.86* | *31.30* | *31.37* | **29.45** | *29.85* | *31.03* |
| **Other Liquids** | **5.11** | **5.33** | **5.50** | **5.73** | *6.02* | *6.14* | *6.17* | *6.26* | *6.45* | *6.52* | *6.60* | *6.59* | **5.42** | *6.15* | *6.54* |
| **Total OPEC Supply** | **34.51** | **34.77** | **35.00** | **35.20** | *35.66* | *36.02* | *36.11* | *36.21* | *37.02* | *37.38* | *37.90* | *37.96* | **34.87** | *36.00* | *37.56* |
| **Crude Oil Production Capacity** | | | | | | | | | | | | | | | |
| Algeria | **1.35** | **1.35** | **1.35** | **1.35** | - | - | - | - | - | - | - | - | **1.35** | - | - |
| Angola | **1.97** | **1.94** | **1.79** | **1.70** | - | - | - | - | - | - | - | - | **1.85** | - | - |
| Ecudaor | **0.47** | **0.48** | **0.49** | **0.48** | - | - | - | - | - | - | - | - | **0.48** | - | - |
| Iran | **3.80** | **3.80** | **3.70** | **3.70** | - | - | - | - | - | - | - | - | **3.75** | - | - |
| Iraq | **2.42** | **2.37** | **2.32** | **2.37** | - | - | - | - | - | - | - | - | **2.37** | - | - |
| Kuwait | **2.60** | **2.60** | **2.60** | **2.60** | - | - | - | - | - | - | - | - | **2.60** | - | - |
| Libya | **1.80** | **1.80** | **1.80** | **1.80** | - | - | - | - | - | - | - | - | **1.80** | - | - |
| Nigeria | **2.03** | **1.95** | **2.08** | **2.12** | - | - | - | - | - | - | - | - | **2.05** | - | - |
| Qatar | **1.00** | **1.00** | **1.00** | **1.00** | - | - | - | - | - | - | - | - | **1.00** | - | - |
| Saudi Arabia | **12.00** | **12.25** | **12.25** | **12.25** | - | - | - | - | - | - | - | - | **12.19** | - | - |
| United Arab Emirates | **2.60** | **2.60** | **2.60** | **2.60** | - | - | - | - | - | - | - | - | **2.60** | - | - |
| Venezuela | **2.07** | **2.09** | **2.10** | **2.10** | - | - | - | - | - | - | - | - | **2.09** | - | - |
| OPEC Total | **34.10** | **34.21** | **34.05** | **34.05** | *34.31* | *34.58* | *34.67* | *34.71* | *35.06* | *35.06* | *35.30* | *35.41* | **34.10** | *34.57* | *35.21* |
| **Surplus Crude Oil Production Capacity** | | | | | | | | | | | | | | | |
| Algeria | **0.00** | **0.00** | **0.00** | **0.00** | - | - | - | - | - | - | - | - | **0.00** | - | - |
| Angola | **0.00** | **0.00** | **0.00** | **0.00** | - | - | - | - | - | - | - | - | **0.00** | - | - |
| Ecudaor | **0.00** | **0.00** | **0.00** | **0.00** | - | - | - | - | - | - | - | - | **0.00** | - | - |
| Iran | **0.00** | **0.00** | **0.00** | **0.00** | - | - | - | - | - | - | - | - | **0.00** | - | - |
| Iraq | **0.00** | **0.00** | **0.00** | **0.00** | - | - | - | - | - | - | - | - | **0.00** | - | - |
| Kuwait | **0.30** | **0.30** | **0.30** | **0.30** | - | - | - | - | - | - | - | - | **0.30** | - | - |
| Libya | **0.15** | **0.15** | **0.15** | **0.15** | - | - | - | - | - | - | - | - | **0.15** | - | - |
| Nigeria | **0.00** | **0.00** | **0.00** | **0.00** | - | - | - | - | - | - | - | - | **0.00** | - | - |
| Qatar | **0.16** | **0.15** | **0.15** | **0.15** | - | - | - | - | - | - | - | - | **0.15** | - | - |
| Saudi Arabia | **3.80** | **3.88** | **3.68** | **3.68** | - | - | - | - | - | - | - | - | **3.76** | - | - |
| United Arab Emirates | **0.30** | **0.30** | **0.30** | **0.30** | - | - | - | - | - | - | - | - | **0.30** | - | - |
| Venezuela | **0.00** | **0.00** | **0.00** | **0.00** | - | - | - | - | - | - | - | - | **0.00** | - | - |
| OPEC Total | **4.71** | **4.77** | **4.56** | **4.57** | *4.67* | *4.70* | *4.73* | *4.76* | *4.50* | *4.20* | *4.00* | *4.04* | **4.65** | *4.72* | *4.18* |

- = 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 databases supporting the *International Petroleum Monthly* ; 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 - February 2011

| | 2010 | | | | 2011 | | | | 2012 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | 2010 | 2011 | 2012 |
| **North America** | **23.17** | **23.42** | **23.88** | **23.60** | *23.59* | *23.65* | *23.89* | *23.80* | *23.99* | *23.84* | *24.10* | *24.04* | **23.52** | *23.73* | *23.99* |
| Canada | **2.19** | **2.23** | **2.26** | **2.26** | *2.27* | *2.19* | *2.30* | *2.29* | *2.32* | *2.22* | *2.34* | *2.33* | **2.24** | *2.26* | *2.30* |
| Mexico | **2.14** | **2.17** | **2.12** | **2.13** | *2.18* | *2.22* | *2.17* | *2.17* | *2.23* | *2.27* | *2.21* | *2.22* | **2.14** | *2.18* | *2.23* |
| United States | **18.82** | **19.01** | **19.49** | **19.20** | *19.13* | *19.23* | *19.42* | *19.33* | *19.43* | *19.33* | *19.54* | *19.48* | **19.13** | *19.28* | *19.45* |
| **Central and South America** | **6.15** | **6.40** | **6.39** | **6.38** | *6.30* | *6.56* | *6.54* | *6.53* | *6.53* | *6.80* | *6.79* | *6.77* | **6.33** | *6.48* | *6.72* |
| Brazil | **2.51** | **2.62** | **2.67** | **2.65** | *2.64* | *2.75* | *2.81* | *2.78* | *2.80* | *2.91* | *2.97* | *2.94* | **2.61** | *2.74* | *2.91* |
| **Europe** | **14.96** | **14.89** | **15.61** | **15.39** | *15.08* | *14.71* | *15.22* | *15.34* | *14.98* | *14.61* | *15.12* | *15.24* | **15.22** | *15.09* | *14.99* |
| **FSU and Eastern Europe** | **4.31** | **4.33** | **4.48** | **4.44** | *4.42* | *4.47* | *4.62* | *4.58* | *4.52* | *4.57* | *4.73* | *4.69* | **4.39** | *4.53* | *4.63* |
| Russia | **2.92** | **2.94** | **3.04** | **3.00** | *2.96* | *3.02* | *3.11* | *3.07* | *3.01* | *3.07* | *3.16* | *3.12* | **2.98** | *3.04* | *3.09* |
| **Middle East** | **6.67** | **7.43** | **8.01** | **7.17** | *7.21* | *7.70* | *8.18* | *7.48* | *7.51* | *8.02* | *8.53* | *7.79* | **7.32** | *7.64* | *7.96* |
| **Asia and Oceania** | **26.85** | **26.53** | **25.93** | **27.18** | *28.04* | *27.23* | *26.63* | *27.39* | *28.73* | *27.95* | *27.32* | *28.08* | **26.62** | *27.32* | *28.02* |
| China | **8.88** | **9.31** | **8.89** | **9.60** | *9.61* | *9.86* | *9.73* | *9.64* | *10.15* | *10.41* | *10.27* | *10.17* | **9.17** | *9.71* | *10.25* |
| Japan | **4.79** | **4.04** | **4.33** | **4.44** | *4.76* | *3.94* | *3.97* | *4.34* | *4.59* | *3.80* | *3.83* | *4.19* | **4.40** | *4.25* | *4.10* |
| India | **3.33** | **3.29** | **3.02** | **3.26** | *3.52* | *3.39* | *3.11* | *3.35* | *3.64* | *3.50* | *3.22* | *3.47* | **3.22** | *3.34* | *3.46* |
| **Africa** | **3.37** | **3.34** | **3.25** | **3.34** | *3.42* | *3.36* | *3.32* | *3.39* | *3.53* | *3.47* | *3.43* | *3.50* | **3.32** | *3.37* | *3.48* |
| **Total OECD Liquid Fuels Consumption** | **45.78** | **45.10** | **46.52** | **46.33** | *46.44* | *45.06* | *45.75* | *46.41* | *46.63* | *45.07* | *45.78* | *46.47* | **45.94** | *45.92* | *45.99* |
| **Total non-OECD Liquid Fuels Consumption** | **39.69** | **41.23** | **41.02** | **41.16** | *41.62* | *42.61* | *42.66* | *42.09* | *43.16* | *44.19* | *44.24* | *43.64* | **40.78** | *42.25* | *43.81* |
| **Total World Liquid Fuels Consumption** | **85.47** | **86.33** | **87.54** | **87.49** | *88.06* | *87.67* | *88.41* | *88.51* | *89.79* | *89.26* | *90.02* | *90.11* | **86.72** | *88.16* | *89.79* |
| **World Real Gross Domestic Product (a)** | | | | | | | | | | | | | | | |
| Index, 2007 Q1 = 100 | **105.85** | **106.95** | **107.68** | **108.60** | *109.74* | *110.91* | *112.01* | *113.18* | *114.17* | *115.33* | *116.43* | *117.58* | **107.28** | *111.47* | *115.88* |
| Percent change from prior year | **4.3** | **4.7** | **4.4** | **4.0** | *3.7* | *3.7* | *4.0* | *4.2* | *4.0* | *4.0* | *3.9* | *3.9* | **4.3** | *3.9* | *4.0* |
| **Real U.S. Dollar Exchange Rate (a)** | | | | | | | | | | | | | | | |
| Index, January 2007 = 100 | **97.58** | **99.82** | **98.69** | **96.17** | *97.30* | *97.00* | *96.43* | *95.88* | *95.65* | *95.73* | *95.79* | *95.84* | **98.06** | *96.65* | *95.75* |
| Percent change from prior year | **-6.4** | **-1.1** | **0.7** | **0.8** | *-0.3* | *-2.8* | *-2.3* | *-0.3* | *-1.7* | *-1.3* | *-0.7* | *0.0* | **-1.5** | *-1.4* | *-0.9* |

- = no data available

FSU = Former Soviet Union

OECD = Organization for Economic Cooperation and Development: Australia, Austria, Belgium, Canada, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Luxembourg, Mexico, the Netherlands, New Zealand, Norway, Poland, Portugal, 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 databases supporting the *International Petroleum Monthly* ; and International Energy Agency, Monthly Oil Data Service.

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 - February 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** | **5.60** | *5.54* | *5.50* | *5.37* | *5.42* | *5.36* | *5.31* | *5.20* | *5.21* | **5.51** | *5.46* | *5.27* |
| Alaska | **0.64** | **0.58** | **0.57** | **0.61** | *0.58* | *0.56* | *0.48* | *0.55* | *0.55* | *0.53* | *0.51* | *0.50* | **0.60** | *0.54* | *0.52* |
| Federal Gulf of Mexico (b) | **1.70** | **1.68** | **1.59** | **1.60** | *1.47* | *1.37* | *1.36* | *1.36* | *1.26* | *1.12* | *1.07* | *1.12* | **1.64** | *1.39* | *1.14* |
| Lower 48 States (excl GOM) | **3.12** | **3.22** | **3.34** | **3.39** | *3.50* | *3.57* | *3.53* | *3.50* | *3.54* | *3.65* | *3.62* | *3.59* | **3.27** | *3.52* | *3.60* |
| Crude Oil Net Imports (c) | **8.77** | **9.71** | **9.46** | **8.49** | *8.94* | *9.56* | *9.61* | *9.02* | *9.25* | *9.80* | *9.78* | *9.29* | **9.11** | *9.28* | *9.53* |
| SPR Net Withdrawals | **0.00** | **0.00** | **0.00** | **0.00** | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | **0.00** | *0.00* | *0.00* |
| Commercial Inventory Net Withdrawals | **-0.34** | **-0.08** | **0.03** | **0.31** | *-0.25* | *0.05* | *0.16* | *0.07* | *-0.21* | *0.03* | *0.16* | *0.05* | **-0.02** | *0.01* | *0.01* |
| Crude Oil Adjustment (d) | **0.08** | **0.14** | **0.14** | **0.11** | *0.13* | *0.09* | *0.04* | *-0.02* | *0.07* | *0.09* | *0.04* | *-0.02* | **0.12** | *0.06* | *0.04* |
| Total Crude Oil Input to Refineries | **13.98** | **15.24** | **15.13** | **14.51** | *14.33* | *15.19* | *15.17* | *14.49* | *14.46* | *15.23* | *15.18* | *14.53* | **14.72** | *14.80* | *14.85* |
| Other Supply | | | | | | | | | | | | | | | |
| Refinery Processing Gain | **1.02** | **1.06** | **1.09** | **1.04** | *1.02* | *1.02* | *1.04* | *1.03* | *1.00* | *1.03* | *1.05* | *1.05* | **1.05** | *1.03* | *1.03* |
| Natural Gas Liquids Production | **1.96** | **1.99** | **1.99** | **2.03** | *1.96* | *2.02* | *2.05* | *2.04* | *2.03* | *2.03* | *2.05* | *2.08* | **1.99** | *2.02* | *2.05* |
| Renewables and Oxygenate Production (e) | **0.86** | **0.89** | **0.91** | **0.94** | *0.94* | *0.95* | *0.95* | *0.95* | *0.95* | *0.95* | *0.96* | *0.96* | **0.90** | *0.95* | *0.96* |
| Fuel Ethanol Production | **0.83** | **0.84** | **0.87** | **0.90** | *0.91* | *0.92* | *0.92* | *0.91* | *0.92* | *0.92* | *0.93* | *0.93* | **0.86** | *0.91* | *0.93* |
| Petroleum Products Adjustment (f) | **0.14** | **0.15** | **0.19** | **0.18** | *0.17* | *0.15* | *0.14* | *0.13* | *0.13* | *0.13* | *0.13* | *0.13* | **0.17** | *0.15* | *0.13* |
| Product Net Imports (c) | **0.56** | **0.26** | **0.41** | **0.08** | *0.38* | *0.35* | *0.34* | *0.32* | *0.55* | *0.45* | *0.44* | *0.38* | **0.33** | *0.35* | *0.45* |
| Pentanes Plus | **-0.03** | **0.00** | **0.00** | **0.01** | *0.01* | *-0.01* | *-0.01* | *-0.01* | *-0.02* | *-0.01* | *0.00* | *-0.01* | **-0.01** | *0.00* | *-0.01* |
| Liquefied Petroleum Gas | **0.07** | **-0.01** | **-0.02** | **0.01** | *0.03* | *0.01* | *0.02* | *-0.02* | *0.02* | *-0.02* | *0.02* | *-0.02* | **0.01** | *0.01* | *0.00* |
| Unfinished Oils | **0.53** | **0.58** | **0.66** | **0.66** | *0.58* | *0.61* | *0.69* | *0.61* | *0.62* | *0.62* | *0.69* | *0.62* | **0.61** | *0.62* | *0.64* |
| Other HC/Oxygenates | **-0.03** | **-0.05** | **-0.07** | **-0.05** | *-0.03* | *-0.06* | *-0.06* | *-0.06* | *-0.06* | *-0.06* | *-0.06* | *-0.05* | **-0.05** | *-0.05* | *-0.06* |
| Motor Gasoline Blend Comp. | **0.60** | **0.75** | **0.88** | **0.66** | *0.69* | *0.67* | *0.67* | *0.63* | *0.69* | *0.74* | *0.73* | *0.69* | **0.72** | *0.66* | *0.71* |
| Finished Motor Gasoline | **-0.12** | **-0.11** | **-0.12** | **-0.19** | *-0.13* | *-0.04* | *-0.08* | *-0.10* | *-0.05* | *-0.02* | *-0.07* | *-0.11* | **-0.13** | *-0.09* | *-0.06* |
| Jet Fuel | **0.02** | **0.00** | **0.02** | **0.03** | *-0.01* | *0.01* | *0.03* | *0.01* | *-0.01* | *0.01* | *0.03* | *0.01* | **0.01** | *0.01* | *0.01* |
| Distillate Fuel Oil | **-0.11** | **-0.48** | **-0.55** | **-0.68** | *-0.48* | *-0.42* | *-0.43* | *-0.34* | *-0.36* | *-0.37* | *-0.40* | *-0.33* | **-0.46** | *-0.42* | *-0.37* |
| Residual Fuel Oil | **-0.02** | **-0.04** | **-0.06** | **0.01** | *0.01* | *-0.04* | *-0.08* | *-0.03* | *0.00* | *-0.05* | *-0.10* | *-0.03* | **-0.02** | *-0.04* | *-0.05* |
| Other Oils (g) | **-0.35** | **-0.38** | **-0.34** | **-0.38** | *-0.30* | *-0.39* | *-0.41* | *-0.38* | *-0.30* | *-0.40* | *-0.40* | *-0.40* | **-0.36** | *-0.37* | *-0.37* |
| Product Inventory Net Withdrawals | **0.30** | **-0.57** | **-0.22** | **0.41** | *0.34* | *-0.45* | *-0.26* | *0.36* | *0.32* | *-0.49* | *-0.27* | *0.35* | **-0.02** | *0.00* | *-0.02* |
| Total Supply | **18.83** | **19.01** | **19.49** | **19.19** | *19.14* | *19.23* | *19.42* | *19.33* | *19.43* | *19.33* | *19.54* | *19.48* | **19.13** | *19.28* | *19.45* |
| **Consumption (million barrels per day)** | | | | | | | | | | | | | | | |
| Natural Gas Liquids and Other Liquids | | | | | | | | | | | | | | | |
| Pentanes Plus | **0.08** | **0.07** | **0.10** | **0.10** | *0.09* | *0.08* | *0.10* | *0.10* | *0.08* | *0.08* | *0.09* | *0.10* | **0.09** | *0.09* | *0.09* |
| Liquefied Petroleum Gas | **2.38** | **1.80** | **1.99** | **2.13** | *2.35* | *1.87* | *1.99* | *2.19* | *2.36* | *1.86* | *1.99* | *2.20* | **2.08** | *2.10* | *2.10* |
| Unfinished Oils | **0.05** | **0.03** | **0.01** | **0.01** | *0.02* | *0.00* | *-0.02* | *0.00* | *0.02* | *0.00* | *-0.02* | *0.01* | **0.03** | *0.00* | *0.00* |
| Finished Liquid Fuels | | | | | | | | | | | | | | | |
| Motor Gasoline | **8.65** | **9.20** | **9.29** | **9.06** | *8.85* | *9.24* | *9.28* | *9.11* | *8.94* | *9.30* | *9.34* | *9.18* | **9.05** | *9.12* | *9.19* |
| Jet Fuel | **1.39** | **1.44** | **1.47** | **1.43** | *1.39* | *1.46* | *1.51* | *1.41* | *1.38* | *1.46* | *1.50* | *1.41* | **1.43** | *1.44* | *1.44* |
| Distillate Fuel Oil | **3.79** | **3.70** | **3.75** | **3.84** | *3.89* | *3.80* | *3.76* | *3.92* | *4.03* | *3.87* | *3.82* | *3.98* | **3.77** | *3.84* | *3.92* |
| Residual Fuel Oil | **0.56** | **0.53** | **0.54** | **0.56** | *0.56* | *0.54* | *0.49* | *0.54* | *0.60* | *0.53* | *0.48* | *0.53* | **0.55** | *0.53* | *0.54* |
| Other Oils (f) | **1.92** | **2.24** | **2.34** | **2.06** | *1.97* | *2.23* | *2.32* | *2.06* | *2.02* | *2.23* | *2.33* | *2.07* | **2.14** | *2.15* | *2.16* |
| Total Consumption | **18.82** | **19.01** | **19.49** | **19.20** | *19.13* | *19.23* | *19.42* | *19.33* | *19.43* | *19.33* | *19.54* | *19.48* | **19.13** | *19.28* | *19.45* |
| **Total Liquid Fuels Net Imports** | **9.33** | **9.97** | **9.88** | **8.57** | *9.32* | *9.90* | *9.94* | *9.34* | *9.80* | *10.25* | *10.22* | *9.67* | **9.44** | *9.63* | *9.98* |
| **End-of-period Inventories (million barrels)** | | | | | | | | | | | | | | | |
| Commercial Inventory | | | | | | | | | | | | | | | |
| Crude Oil (excluding SPR) | **355.4** | **362.7** | **360.1** | **332.0** | *354.1* | *349.7* | *335.0* | *328.3* | *347.7* | *345.0* | *330.4* | *325.7* | **332.0** | *328.3* | *325.7* |
| Pentanes Plus | **9.4** | **11.5** | **11.9** | **11.1** | *11.5* | *13.5* | *14.4* | *12.1* | *12.1* | *14.5* | *15.9* | *13.6* | **11.1** | *12.1* | *13.6* |
| Liquefied Petroleum Gas | **73.2** | **121.8** | **141.2** | **113.6** | *75.5* | *117.3* | *146.5* | *111.2* | *77.8* | *117.6* | *145.2* | *111.1* | **113.6** | *111.2* | *111.1* |
| Unfinished Oils | **86.3** | **83.4** | **82.3** | **80.5** | *89.1* | *87.0* | *87.6* | *81.6* | *91.8* | *87.4* | *87.5* | *81.3* | **80.5** | *81.6* | *81.3* |
| Other HC/Oxygenates | **22.0** | **20.6** | **18.9** | **19.0** | *21.9* | *21.8* | *21.8* | *21.8* | *22.9* | *22.7* | *22.6* | *22.7* | **19.0** | *21.8* | *22.7* |
| Total Motor Gasoline | **224.0** | **214.8** | **219.3** | **218.9** | *222.8* | *213.7* | *206.3* | *214.1* | *217.5* | *216.7* | *211.9* | *219.5* | **218.9** | *214.1* | *219.5* |
| Finished Motor Gasoline | **81.9** | **71.8** | **70.2** | **68.2** | *58.7* | *60.3* | *58.0* | *62.7* | *62.6* | *66.7* | *63.2* | *63.6* | **68.2** | *62.7* | *63.6* |
| Motor Gasoline Blend Comp. | **142.1** | **143.0** | **149.1** | **150.7** | *164.1* | *153.5* | *148.3* | *151.4* | *154.9* | *150.0* | *148.7* | *155.9* | **150.7** | *151.4* | *155.9* |
| Jet Fuel | **41.9** | **44.9** | **46.8** | **44.1** | *41.8* | *42.8* | *43.7* | *42.2* | *42.0* | *43.1* | *44.0* | *42.5* | **44.1** | *42.2* | *42.5* |
| Distillate Fuel Oil | **146.0** | **157.9** | **166.7** | **162.5** | *145.0* | *154.7* | *163.9* | *164.8* | *145.4* | *155.0* | *164.4* | *165.4* | **162.5** | *164.8* | *165.4* |
| Residual Fuel Oil | **40.6** | **42.3** | **39.8** | **39.0** | *39.6* | *39.4* | *38.1* | *39.2* | *39.0* | *39.1* | *38.0* | *39.3* | **39.0** | *39.2* | *39.3* |
| Other Oils (f) | **54.0** | **52.2** | **43.2** | **44.1** | *54.3* | *52.2* | *44.3* | *46.6* | *56.2* | *53.4* | *45.1* | *46.8* | **44.1** | *46.6* | *46.8* |
| Total Commercial Inventory | **1,053** | **1,112** | **1,130** | **1,065** | *1,056* | *1,092* | *1,102* | *1,062* | *1,052* | *1,095* | *1,105* | *1,068* | **1,065** | *1,062* | *1,068* |
| Crude Oil in SPR | **727** | **727** | **727** | **727** | *727* | *727* | *727* | *727* | *727* | *727* | *727* | *727* | **727** | *727* | *727* |
| Heating Oil Reserve | **2.0** | **2.0** | **2.0** | **2.0** | *2.0* | *2.0* | *2.0* | *2.0* | *2.0* | *2.0* | *2.0* | *2.0* | **2.0** | *2.0* | *2.0* |

- = no data available

(a) Includes lease condensate.

(b) Crude oil production from U.S. Federal leases in the Gulf of Mexico (GOM).

(c) Net imports equals gross imports minus gross exports.

(d) Crude oil adjustment balances supply and consumption and was previously referred to as "Unaccounted for Crude Oil."

(e) Renewables and oxygenate production includes pentanes plus, oxygenates (excluding fuel ethanol), and renewable fuels.

(f) Petroleum products adjustment includes hydrogen/oxygenates/renewables/other hydrocarbons, motor gasoline blend components, and finished motor gasoline.

(g) "Other Oils" inludes 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.

SPR: Strategic Petroleum Reserve

HC: Hydrocarbons

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

Energy Information Administration/Short-Term Energy Outlook - February 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** | **14.51** | *14.33* | *15.19* | *15.17* | *14.49* | *14.46* | *15.23* | *15.18* | *14.53* | **14.72** | *14.80* | *14.85* |
| Pentanes Plus | **0.14** | **0.15** | **0.16** | **0.17** | *0.16* | *0.15* | *0.16* | *0.17* | *0.15* | *0.15* | *0.16* | *0.17* | **0.16** | *0.16* | *0.16* |
| Liquefied Petroleum Gas | **0.30** | **0.22** | **0.23** | **0.37** | *0.33* | *0.25* | *0.25* | *0.38* | *0.31* | *0.25* | *0.26* | *0.38* | **0.28** | *0.30* | *0.30* |
| Other Hydrocarbons/Oxygenates | **0.87** | **0.95** | **0.99** | **0.99** | *0.98* | *1.00* | *0.99* | *0.98* | *0.99* | *1.00* | *1.01* | *1.01* | **0.95** | *0.99* | *1.00* |
| Unfinished Oils | **0.42** | **0.58** | **0.66** | **0.67** | *0.46* | *0.63* | *0.70* | *0.67* | *0.49* | *0.67* | *0.71* | *0.68* | **0.58** | *0.62* | *0.64* |
| Motor Gasoline Blend Components | **0.47** | **0.70** | **0.85** | **0.66** | *0.49* | *0.73* | *0.68* | *0.58* | *0.62* | *0.74* | *0.70* | *0.59* | **0.67** | *0.62* | *0.66* |
| Aviation Gasoline Blend Components | **0.00** | **0.00** | **0.00** | **0.00** | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | **0.00** | *0.00* | *0.00* |
| Total Refinery and Blender Net Inputs | **16.17** | **17.86** | **18.02** | **17.36** | *16.76* | *17.97* | *17.95* | *17.27* | *17.02* | *18.05* | *18.01* | *17.36* | **17.36** | *17.49* | *17.61* |
| **Refinery Processing Gain** | **1.02** | **1.06** | **1.09** | **1.04** | *1.02* | *1.02* | *1.04* | *1.03* | *1.00* | *1.03* | *1.05* | *1.05* | **1.05** | *1.03* | *1.03* |
| **Refinery and Blender Net Production** | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gas | **0.57** | **0.85** | **0.75** | **0.43** | *0.53* | *0.83* | *0.78* | *0.43* | *0.52* | *0.82* | *0.77* | *0.42* | **0.65** | *0.64* | *0.63* |
| Finished Motor Gasoline | **8.58** | **9.09** | **9.35** | **9.14** | *8.76* | *9.19* | *9.23* | *9.18* | *8.92* | *9.27* | *9.28* | *9.22* | **9.04** | *9.09* | *9.17* |
| Jet Fuel | **1.35** | **1.47** | **1.47** | **1.37** | *1.38* | *1.46* | *1.49* | *1.38* | *1.39* | *1.46* | *1.48* | *1.38* | **1.42** | *1.43* | *1.43* |
| Distillate Fuel | **3.69** | **4.31** | **4.39** | **4.47** | *4.17* | *4.33* | *4.28* | *4.27* | *4.17* | *4.35* | *4.32* | *4.33* | **4.22** | *4.26* | *4.29* |
| Residual Fuel | **0.61** | **0.59** | **0.57** | **0.54** | *0.56* | *0.59* | *0.56* | *0.58* | *0.60* | *0.59* | *0.56* | *0.58* | **0.58** | *0.57* | *0.58* |
| Other Oils (a) | **2.39** | **2.60** | **2.58** | **2.45** | *2.38* | *2.60* | *2.65* | *2.46* | *2.42* | *2.60* | *2.64* | *2.48* | **2.51** | *2.52* | *2.54* |
| Total Refinery and Blender Net Production | **17.19** | **18.91** | **19.11** | **18.40** | *17.78* | *18.99* | *18.99* | *18.30* | *18.03* | *19.08* | *19.06* | *18.41* | **18.41** | *18.52* | *18.64* |
| **Refinery Distillation Inputs** | **14.32** | **15.65** | **15.62** | **15.01** | *14.68* | *15.52* | *15.50* | *14.84* | *14.80* | *15.56* | *15.51* | *14.88* | **15.15** | *15.14* | *15.19* |
| **Refinery Operable Distillation Capacity** | **17.58** | **17.59** | **17.59** | **17.59** | *17.59* | *17.59* | *17.59* | *17.59* | *17.59* | *17.59* | *17.59* | *17.59* | **17.59** | *17.59* | *17.59* |
| **Refinery Distillation Utilization Factor** | **0.81** | **0.89** | **0.89** | **0.85** | *0.83* | *0.88* | *0.88* | *0.84* | *0.84* | *0.88* | *0.88* | *0.85* | **0.86** | *0.86* | *0.86* |

- = 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 - February 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** | **228** | *246* | *255* | *256* | *250* | *260* | *272* | *272* | *260* | **217** | *252* | *266* |
| **Gasoline Regular Grade Retail Prices Excluding Taxes** | | | | | | | | | | | | | | | |
| PADD 1 (East Coast) | **223** | **229** | **217** | **240** | *260* | *265* | *268* | *262* | *271* | *283* | *284* | *273* | **227** | *264* | *278* |
| PADD 2 (Midwest) | **218** | **228** | **221** | **238** | *259* | *265* | *267* | *259* | *269* | *282* | *283* | *270* | **226** | *263* | *276* |
| PADD 3 (Gulf Coast) | **216** | **227** | **215** | **231** | *254* | *263* | *265* | *257* | *267* | *280* | *281* | *268* | **222** | *260* | *274* |
| PADD 4 (Rocky Mountain) | **218** | **236** | **231** | **230** | *247* | *268* | *277* | *263* | *265* | *285* | *293* | *274* | **229** | *264* | *279* |
| PADD 5 (West Coast) | **239** | **247** | **246** | **253** | *272* | *283* | *285* | *276* | *285* | *303* | *303* | *288* | **246** | *279* | *295* |
| U.S. Average | **223** | **231** | **223** | **239** | *260* | *268* | *271* | *263* | *272* | *286* | *287* | *274* | **229** | *266* | *280* |
| **Gasoline Regular Grade Retail Prices Including Taxes** | | | | | | | | | | | | | | | |
| PADD 1 | **271** | **278** | **265** | **288** | *309* | *314* | *319* | *312* | *321* | *332* | *335* | *323* | **276** | *313* | *328* |
| PADD 2 | **265** | **276** | **270** | **286** | *306* | *314* | *317* | *307* | *317* | *332* | *333* | *319* | **274** | *311* | *325* |
| PADD 3 | **259** | **269** | **257** | **272** | *296* | *306* | *308* | *300* | *310* | *323* | *324* | *311* | **264** | *303* | *317* |
| PADD 4 | **264** | **284** | **279** | **279** | *295* | *314* | *325* | *311* | *312* | *332* | *342* | *323* | **277** | *311* | *328* |
| PADD 5 | **294** | **304** | **304** | **311** | *330* | *342* | *346* | *335* | *344* | *363* | *365* | *349* | **303** | *338* | *355* |
| U.S. Average | **271** | **281** | **272** | **289** | *309* | *318* | *321* | *313* | *322* | *336* | *338* | *325* | **278** | *315* | *330* |
| **Gasoline All Grades Including Taxes** | **277** | **286** | **277** | **294** | *314* | *323* | *327* | *318* | *327* | *341* | *344* | *330* | **284** | *320* | *336* |
| **End-of-period Inventories (million barrels)** | | | | | | | | | | | | | | | |
| **Total Gasoline Inventories** | | | | | | | | | | | | | | | |
| PADD 1 | **56.6** | **59.9** | **55.3** | **53.4** | *56.2* | *55.7* | *52.5* | *56.0* | *55.5* | *57.2* | *54.3* | *57.4* | **53.4** | *56.0* | *57.4* |
| PADD 2 | **55.2** | **48.9** | **52.5** | **49.6** | *50.7* | *49.9* | *50.8* | *51.0* | *51.7* | *51.0* | *51.7* | *52.2* | **49.6** | *51.0* | *52.2* |
| PADD 3 | **74.2** | **72.5** | **73.9** | **77.3** | *76.9* | *70.7* | *66.4* | *68.8* | *72.9* | *72.1* | *70.1* | *72.1* | **77.3** | *68.8* | *72.1* |
| PADD 4 | **5.9** | **6.4** | **6.5** | **7.4** | *6.5* | *6.2* | *6.3* | *6.9* | *6.6* | *6.3* | *6.3* | *7.0* | **7.4** | *6.9* | *7.0* |
| PADD 5 | **32.1** | **27.2** | **31.1** | **31.3** | *32.7* | *31.3* | *30.3* | *31.5* | *30.8* | *30.1* | *29.5* | *30.9* | **31.3** | *31.5* | *30.9* |
| U.S. Total | **224.0** | **214.8** | **219.3** | **218.9** | *222.8* | *213.7* | *206.3* | *214.1* | *217.5* | *216.7* | *211.9* | *219.5* | **218.9** | *214.1* | *219.5* |
| **Finished Gasoline Inventories** | | | | | | | | | | | | | | | |
| PADD 1 | **15.4** | **13.3** | **10.1** | **10.5** | *6.7* | *9.0* | *7.8* | *10.2* | *8.7* | *11.4* | *9.7* | *11.1* | **10.5** | *10.2* | *11.1* |
| PADD 2 | **27.9** | **24.3** | **24.8** | **24.6** | *22.7* | *23.5* | *24.3* | *25.0* | *24.3* | *24.0* | *24.3* | *24.5* | **24.6** | *25.0* | *24.5* |
| PADD 3 | **29.4** | **25.2** | **25.9** | **23.4** | *19.5* | *17.9* | *16.7* | *19.2* | *20.4* | *21.8* | *20.3* | *20.2* | **23.4** | *19.2* | *20.2* |
| PADD 4 | **4.1** | **4.1** | **4.2** | **5.1** | *4.5* | *4.4* | *4.2* | *4.5* | *4.4* | *4.4* | *4.2* | *4.5* | **5.1** | *4.5* | *4.5* |
| PADD 5 | **5.1** | **4.9** | **5.3** | **4.6** | *5.2* | *5.5* | *5.0* | *3.7* | *4.8* | *5.1* | *4.7* | *3.3* | **4.6** | *3.7* | *3.3* |
| U.S. Total | **81.9** | **71.8** | **70.2** | **68.2** | *58.7* | *60.3* | *58.0* | *62.7* | *62.6* | *66.7* | *63.2* | *63.6* | **68.2** | *62.7* | *63.6* |
| **Gasoline Blending Components Inventories** | | | | | | | | | | | | | | | |
| PADD 1 | **41.3** | **46.6** | **45.3** | **42.9** | *49.4* | *46.7* | *44.7* | *45.8* | *46.8* | *45.8* | *44.6* | *46.3* | **42.9** | *45.8* | *46.3* |
| PADD 2 | **27.3** | **24.6** | **27.8** | **25.0** | *27.9* | *26.4* | *26.4* | *26.0* | *27.4* | *27.0* | *27.4* | *27.6* | **25.0** | *26.0* | *27.6* |
| PADD 3 | **44.8** | **47.3** | **48.0** | **53.8** | *57.4* | *52.8* | *49.7* | *49.6* | *52.6* | *50.3* | *49.9* | *51.9* | **53.8** | *49.6* | *51.9* |
| PADD 4 | **1.8** | **2.2** | **2.3** | **2.3** | *2.0* | *1.8* | *2.1* | *2.4* | *2.2* | *1.9* | *2.1* | *2.4* | **2.3** | *2.4* | *2.4* |
| PADD 5 | **27.0** | **22.2** | **25.8** | **26.7** | *27.4* | *25.7* | *25.3* | *27.7* | *26.0* | *25.0* | *24.8* | *27.6* | **26.7** | *27.7* | *27.6* |
| U.S. Total | **142.1** | **143.0** | **149.1** | **150.7** | *164.1* | *153.5* | *148.3* | *151.4* | *154.9* | *150.0* | *148.7* | *155.9* | **150.7** | *151.4* | *155.9* |

- = 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 4d. U.S. Regional Heating Oil Prices and Distillate Inventories**

Energy Information Administration/Short-Term Energy Outlook - February 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 Prices** | | | | | | | | | | | | | | | |
| Heating Oil | **205** | **212** | **204** | **236** | *261* | *254* | *253* | *259* | *267* | *265* | *263* | *271* | **215** | *258* | *267* |
| Diesel Fuel | **209** | **220** | **215** | **240** | *265* | *264* | *263* | *264* | *269* | *272* | *271* | *273* | **221** | *264* | *271* |
| **Heating Oil Residential Prices Excluding Taxes** | | | | | | | | | | | | | | | |
| Northeast | **277** | **276** | **264** | **300** | *329* | *315* | *310* | *327* | *341* | *332* | *324* | *342* | **284** | *325* | *339* |
| South | **275** | **260** | **253** | **287** | *325* | *306* | *303* | *326* | *341* | *319* | *315* | *342* | **275** | *321* | *336* |
| Midwest | **250** | **258** | **253** | **283** | *304* | *298* | *299* | *310* | *314* | *311* | *311* | *323* | **262** | *304* | *316* |
| West | **285** | **300** | **291** | **313** | *330* | *330* | *331* | *343* | *351* | *348* | *345* | *359* | **299** | *334* | *352* |
| U.S. Average | **272** | **273** | **261** | **298** | *327* | *314* | *310* | *327* | *341* | *330* | *323* | *342* | **280** | *324* | *338* |
| **Heating Oil Residential Prices Including State Taxes** | | | | | | | | | | | | | | | |
| Northeast | **292** | **290** | **277** | **316** | *346* | *331* | *326* | *344* | *359* | *348* | *340* | *360* | **298** | *342* | *356* |
| South | **289** | **274** | **266** | **302** | *342* | *323* | *319* | *344* | *359* | *336* | *331* | *360* | **290** | *338* | *354* |
| Midwest | **264** | **272** | **267** | **299** | *321* | *314* | *316* | *327* | *331* | *328* | *328* | *342* | **277** | *321* | *334* |
| West | **294** | **312** | **298** | **321** | *341* | *343* | *339* | *351* | *362* | *361* | *353* | *368* | **308** | *344* | *363* |
| U.S. Average | **290** | **288** | **276** | **314** | *344* | *330* | *325* | *344* | *358* | *347* | *339* | *359* | **297** | *341* | *355* |
| **Total Distillate End-of-period Inventories (million barrels)** | | | | | | | | | | | | | | | |
| PADD 1 (East Coast) | **56.6** | **62.7** | **71.7** | **63.7** | *45.9* | *55.2* | *65.7* | *63.8* | *47.8* | *56.8* | *67.4* | *65.6* | **63.7** | *63.8* | *65.6* |
| PADD 2 (Midwest) | **30.1** | **30.6** | **32.0** | **30.5** | *31.0* | *30.1* | *30.6* | *31.1* | *31.4* | *30.4* | *30.9* | *31.4* | **30.5** | *31.1* | *31.4* |
| PADD 3 (Gulf Coast) | **45.5** | **48.6** | **47.9** | **49.6** | *52.1* | *53.5* | *52.6* | *53.3* | *50.6* | *52.0* | *51.1* | *51.8* | **49.6** | *53.3* | *51.8* |
| PADD 4 (Rocky Mountain) | **3.0** | **3.0** | **3.1** | **3.7** | *3.4* | *3.2* | *3.0* | *3.2* | *3.2* | *3.1* | *3.0* | *3.2* | **3.7** | *3.2* | *3.2* |
| PADD 5 (West Coast) | **10.8** | **13.0** | **12.0** | **15.0** | *12.7* | *12.7* | *12.0* | *13.3* | *12.4* | *12.6* | *12.0* | *13.4* | **15.0** | *13.3* | *13.4* |
| U.S. Total | **146.0** | **157.9** | **166.7** | **162.5** | *145.0* | *154.7* | *163.9* | *164.8* | *145.4* | *155.0* | *164.4* | *165.4* | **162.5** | *164.8* | *165.4* |

- = 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) for inventories and to U.S. Census regions for prices.

See “Petroleum for Administration Defense District” and "Census region" 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 4e. U.S. Regional Propane Prices and Inventories**

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

| | 2010 | | | | 2011 | | | | 2012 | | | | Year | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2010 | 2011 | 2012 |
| **Prices (cents per gallon)** | | | | | | | | | | | | | | | |
| **Propane Wholesale Price (a) .....** | **123** | **109** | **107** | **126** | *134* | *128* | *125* | *132* | *137* | *131* | *132* | *139* | **118** | *130* | *135* |
| **Propane Residential Prices excluding Taxes** | | | | | | | | | | | | | | | |
| Northeast ..... | **269** | **263** | **259** | **276** | *297* | *288* | *278* | *287* | *297* | *294* | *289* | *300* | **269** | *291* | *296* |
| South ..... | **253** | **238** | **218** | **246** | *266* | *252* | *236* | *260* | *273* | *260* | *246* | *272* | **245** | *259* | *268* |
| Midwest ..... | **184** | **176** | **167** | **188** | *205* | *200* | *183* | *203* | *218* | *209* | *191* | *214* | **183** | *201* | *212* |
| West ..... | **246** | **225** | **199** | **237** | *261* | *249* | *226* | *255* | *275* | *256* | *233* | *265* | **232** | *252* | *263* |
| U.S. Average ..... | **228** | **221** | **200** | **226** | *246* | *242* | *217* | *239* | *255* | *250* | *226* | *250* | **223** | *239* | *249* |
| **Propane Residential Prices including State Taxes** | | | | | | | | | | | | | | | |
| Northeast ..... | **282** | **276** | **271** | **289** | *312* | *302* | *291* | *301* | *311* | *308* | *303* | *314* | **282** | *305* | *310* |
| South ..... | **267** | **251** | **230** | **259** | *281* | *266* | *249* | *274* | *288* | *274* | *259* | *287* | **258** | *273* | *282* |
| Midwest ..... | **195** | **186** | **177** | **199** | *217* | *212* | *193* | *215* | *230* | *221* | *202* | *226* | **193** | *213* | *224* |
| West ..... | **261** | **238** | **211** | **251** | *276* | *264* | *239* | *270* | *291* | *272* | *247* | *281* | **246** | *266* | *278* |
| U.S. Average ..... | **240** | **233** | **211** | **238** | *259* | *255* | *229* | *252* | *269* | *264* | *239* | *264* | **235** | *253* | *263* |
| **Propane End-of-period Inventories (million barrels)** | | | | | | | | | | | | | | | |
| PADD 1 (East Coast) ..... | **2.6** | **4.0** | **4.3** | **4.1** | *2.5* | *3.9* | *4.5* | *4.2* | *2.3* | *3.7* | *4.4* | *4.0* | **4.1** | *4.2* | *4.0* |
| PADD 2 (Midwest) ..... | **10.1** | **20.0** | **25.7** | **21.5** | *10.6* | *19.4* | *26.2* | *20.5* | *10.1* | *18.6* | *25.2* | *20.4* | **21.5** | *20.5* | *20.4* |
| PADD 3 (Gulf Coast) ..... | **14.7** | **25.3** | **28.4** | **25.2** | *10.4* | *23.5* | *33.1* | *27.0* | *15.8* | *26.2* | *33.0* | *26.4* | **25.2** | *27.0* | *26.4* |
| PADD 4 (Rocky Mountain) ..... | **0.3** | **0.3** | **0.3** | **0.3** | *0.4* | *0.4* | *0.4* | *0.4* | *0.4* | *0.4* | *0.5* | *0.4* | **0.3** | *0.4* | *0.4* |
| PADD 5 (West Coast) ..... | **0.4** | **1.0** | **2.0** | **1.3** | *0.3* | *1.1* | *2.2* | *1.6* | *0.4* | *1.2* | *2.3* | *1.6* | **1.3** | *1.6* | *1.6* |
| U.S. Total ..... | **28.1** | **50.5** | **60.7** | **52.4** | *24.3* | *48.4* | *66.5* | *53.6* | *29.0* | *50.0* | *65.4* | *52.7* | **52.4** | *53.6* | *52.7* |

- = no data available

Prices are not adjusted for inflation.

(a) Propane price to petrochemical sector.

**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) for inventories and to U.S. Census regions for prices.

See “Petroleum for Administration Defense District” and "Census region" 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 - February 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** | **63.34** | *62.91* | *62.55* | *61.97* | *61.88* | *61.91* | *62.61* | *63.40* | *64.15* | **61.80** | *62.32* | *63.02* |
| Alaska | **1.16** | **0.98** | **0.89** | **1.08** | *1.15* | *1.03* | *0.90* | *1.00* | *1.14* | *0.93* | *0.96* | *1.08* | **1.03** | *1.02* | *1.03* |
| Federal GOM (a) | **6.67** | **6.22** | **5.94** | **5.80** | *5.87* | *5.87* | *5.56* | *5.60* | *5.65* | *5.83* | *5.61* | *5.71* | **6.15** | *5.72* | *5.70* |
| Lower 48 States (excl GOM) | **52.77** | **54.07** | **55.14** | **56.46** | *55.89* | *55.65* | *55.51* | *55.28* | *55.12* | *55.85* | *56.83* | *57.35* | **54.62** | *55.58* | *56.29* |
| Total Dry Gas Production | **57.93** | **58.56** | **59.28** | **60.50** | *60.09* | *59.75* | *59.19* | *59.11* | *59.13* | *59.80* | *60.56* | *61.27* | **59.08** | *59.53* | *60.19* |
| Gross Imports | **11.40** | **9.65** | **9.93** | **10.13** | *10.81* | *9.33* | *9.88* | *9.35* | *10.13* | *8.91* | *9.52* | *8.99* | **10.28** | *9.84* | *9.39* |
| Pipeline | **9.86** | **8.44** | **8.99** | **9.06** | *9.71* | *8.13* | *8.74* | *8.26* | *9.03* | *7.68* | *8.32* | *7.89* | **9.08** | *8.70* | *8.23* |
| LNG | **1.55** | **1.22** | **0.94** | **1.04** | *1.10* | *1.20* | *1.14* | *1.09* | *1.10* | *1.23* | *1.20* | *1.11* | **1.19** | *1.13* | *1.16* |
| Gross Exports | **3.13** | **2.77** | **2.71** | **3.25** | *3.21* | *2.24* | *2.29* | *3.05* | *3.45* | *2.43* | *2.42* | *3.14* | **2.96** | *2.70* | *2.86* |
| Net Imports | **8.28** | **6.89** | **7.22** | **6.88** | *7.60* | *7.08* | *7.59* | *6.30* | *6.69* | *6.48* | *7.09* | *5.85* | **7.31** | *7.14* | *6.53* |
| Supplemental Gaseous Fuels | **0.20** | **0.16** | **0.19** | **0.19** | *0.18* | *0.16* | *0.17* | *0.19* | *0.18* | *0.16* | *0.17* | *0.19* | **0.18** | *0.17* | *0.17* |
| Net Inventory Withdrawals | **16.26** | **-11.94** | **-8.22** | **4.19** | *16.06* | *-11.93* | *-9.60* | *5.24* | *15.69* | *-10.86* | *-8.80* | *4.34* | **0.01** | *-0.11* | *0.08* |
| Total Supply | **82.66** | **53.67** | **58.47** | **71.77** | *83.94* | *55.05* | *57.35* | *70.83* | *81.69* | *55.58* | *59.02* | *71.64* | **66.59** | *66.73* | *66.98* |
| Balancing Item (b) | **0.76** | **0.75** | **-0.55** | **-3.37** | *-0.90* | *-0.30* | *-0.46* | *-0.60* | *0.66* | *0.05* | *-0.77* | *-0.62* | **-0.61** | *-0.56* | *-0.17* |
| Total Primary Supply | **83.41** | **54.42** | **57.91** | **68.40** | *83.04* | *54.76* | *56.88* | *70.23* | *82.36* | *55.64* | *58.25* | *71.03* | **65.97** | *66.17* | *66.81* |
| **Consumption (billion cubic feet per day)** | | | | | | | | | | | | | | | |
| Residential | **26.69** | **7.33** | **3.76** | **16.28** | *25.40* | *7.05* | *3.67* | *17.75* | *24.72* | *6.96* | *3.66* | *17.65* | **13.46** | *13.42* | *13.23* |
| Commercial | **14.81** | **5.73** | **4.23** | **10.40** | *14.07* | *5.55* | *3.96* | *10.72* | *14.03* | *5.47* | *3.96* | *10.69* | **8.77** | *8.55* | *8.53* |
| Industrial | **19.70** | **17.12** | **17.01** | **18.34** | *20.23* | *17.43* | *16.96* | *18.47* | *20.35* | *17.71* | *17.18* | *18.68* | **18.04** | *18.26* | *18.48* |
| Electric Power (c) | **16.37** | **19.11** | **27.66** | **17.77** | *17.22* | *19.40* | *26.99* | *17.73* | *17.22* | *20.17* | *28.05* | *18.27* | **20.25** | *20.35* | *20.94* |
| Lease and Plant Fuel | **3.58** | **3.62** | **3.66** | **3.74** | *3.71* | *3.69* | *3.66* | *3.65* | *3.65* | *3.70* | *3.74* | *3.79* | **3.65** | *3.68* | *3.72* |
| Pipeline and Distribution Use | **2.18** | **1.43** | **1.52** | **1.78** | *2.31* | *1.54* | *1.53* | *1.81* | *2.28* | *1.53* | *1.55* | *1.84* | **1.72** | *1.80* | *1.80* |
| Vehicle Use | **0.09** | **0.09** | **0.09** | **0.09** | *0.10* | *0.10* | *0.10* | *0.10* | *0.11* | *0.11* | *0.11* | *0.11* | **0.09** | *0.10* | *0.11* |
| Total Consumption | **83.41** | **54.42** | **57.91** | **68.40** | *83.04* | *54.76* | *56.88* | *70.23* | *82.36* | *55.64* | *58.25* | *71.03* | **65.97** | *66.17* | *66.81* |
| **End-of-period Inventories (billion cubic feet)** | | | | | | | | | | | | | | | |
| Working Gas Inventory | **1,662** | **2,741** | **3,500** | **3,097** | *1,651* | *2,737* | *3,620* | *3,139* | *1,711* | *2,699* | *3,509* | *3,109* | **3,097** | *3,139* | *3,109* |
| Producing Region (d) | **627** | **962** | **1,092** | **1,079** | *731* | *1,006* | *1,147* | *1,060* | *711* | *956* | *1,061* | *1,011* | **1,079** | *1,060* | *1,011* |
| East Consuming Region (d) | **744** | **1,330** | **1,913** | **1,590** | *674* | *1,324* | *1,975* | *1,666* | *734* | *1,336* | *1,959* | *1,663* | **1,590** | *1,666* | *1,663* |
| West Consuming Region (d) | **291** | **450** | **495** | **428** | *246* | *408* | *499* | *413* | *266* | *407* | *489* | *435* | **428** | *413* | *435* |

- = 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 - February 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** | **4.12** | **3.61** | *4.23* | *3.82* | *3.72* | *4.10* | *4.24* | *3.96* | *4.16* | *4.53* | **4.14** | *3.97* | *4.22* |
| Henry Hub Spot Price ..... | **5.30** | **4.45** | **4.41** | **3.91** | *4.48* | *4.09* | *4.04* | *4.54* | *4.76* | *4.37* | *4.62* | *5.10* | **4.52** | *4.29* | *4.71* |
| **Residential** | | | | | | | | | | | | | | | |
| New England ..... | **14.33** | **15.56** | **17.75** | **14.28** | *14.64* | *16.10* | *18.74* | *16.08* | *15.10* | *16.02* | *19.09* | *16.30* | **14.78** | *15.58* | *15.88* |
| Middle Atlantic ..... | **12.79** | **15.17** | **18.47** | **12.94** | *12.20* | *13.90* | *18.05* | *14.42* | *13.48* | *14.76* | *18.82* | *15.13* | **13.52** | *13.47* | *14.52* |
| E. N. Central ..... | **9.54** | **12.24** | **16.68** | **9.29** | *9.22* | *11.14* | *14.73* | *10.39* | *10.08* | *11.63* | *15.28* | *11.00* | **10.19** | *10.17* | *10.90* |
| W. N. Central ..... | **9.09** | **11.89** | **16.38** | **9.10** | *8.58* | *10.83* | *15.85* | *10.04* | *9.43* | *11.36* | *16.61* | *10.77* | **9.83** | *9.71* | *10.50* |
| S. Atlantic ..... | **12.61** | **18.74** | **24.03** | **13.06** | *12.87* | *17.85* | *24.89* | *15.41* | *13.85* | *18.47* | *25.60* | *16.23* | **13.98** | *14.92* | *15.90* |
| E. S. Central ..... | **10.50** | **14.81** | **17.76** | **11.43** | *11.09* | *14.37* | *19.34* | *13.16* | *12.37* | *15.18* | *20.21* | *14.26* | **11.52** | *12.41* | *13.67* |
| W. S. Central ..... | **9.72** | **13.93** | **18.20** | **10.17** | *9.39* | *13.82* | *18.81* | *11.70* | *10.21* | *14.46* | *19.96* | *12.94* | **10.93** | *11.29* | *12.21* |
| Mountain ..... | **9.24** | **9.83** | **12.97** | **9.24** | *8.77* | *9.44* | *12.66* | *9.64* | *9.05* | *9.77* | *13.06* | *10.09* | **9.61** | *9.45* | *9.77* |
| Pacific ..... | **10.43** | **10.47** | **11.09** | **9.45** | *9.67* | *9.75* | *10.46* | *9.95* | *10.22* | *10.09* | *10.87* | *10.38* | **10.22** | *9.86* | *10.32* |
| U.S. Average ..... | **10.59** | **12.54** | **15.47** | **10.52** | *10.30* | *11.76* | *14.91* | *11.75* | *11.12* | *12.28* | *15.50* | *12.40* | **11.17** | *11.29* | *12.01* |
| **Commercial** | | | | | | | | | | | | | | | |
| New England ..... | **11.68** | **11.68** | **11.33** | **11.01** | *12.11* | *11.71* | *12.22* | *12.52* | *12.80* | *11.95* | *12.50* | *12.89* | **11.46** | *12.16* | *12.66* |
| Middle Atlantic ..... | **10.76** | **9.77** | **9.52** | **9.95** | *10.55* | *9.72* | *9.38* | *10.95* | *11.20* | *10.02* | *9.91* | *11.61* | **10.22** | *10.37* | *10.95* |
| E. N. Central ..... | **8.85** | **9.24** | **9.68** | **8.01** | *8.34* | *8.89* | *9.28* | *8.87* | *8.97* | *9.27* | *9.81* | *9.48* | **8.71** | *8.64* | *9.23* |
| W. N. Central ..... | **8.36** | **8.38** | **9.48** | **7.77** | *7.93* | *7.91* | *8.80* | *8.35* | *8.39* | *8.29* | *9.19* | *8.79* | **8.28** | *8.11* | *8.55* |
| S. Atlantic ..... | **10.53** | **10.74** | **10.73** | **9.89** | *10.53* | *10.40* | *11.21* | *11.68* | *11.52* | *10.91* | *11.65* | *12.09* | **10.41** | *10.91* | *11.59* |
| E. S. Central ..... | **9.42** | **10.12** | **10.22** | **9.35** | *9.82* | *10.26* | *11.12* | *11.34* | *10.95* | *10.72* | *11.64* | *11.98* | **9.58** | *10.41* | *11.25* |
| W. S. Central ..... | **8.48** | **9.06** | **9.15** | **7.81** | *7.80* | *8.22* | *8.73* | *9.17* | *8.44* | *8.44* | *9.10* | *9.45* | **8.50** | *8.34* | *8.77* |
| Mountain ..... | **8.33** | **8.11** | **8.86** | **8.06** | *7.87* | *7.62* | *8.47* | *8.37* | *8.38* | *7.99* | *8.79* | *8.77* | **8.26** | *8.03* | *8.46* |
| Pacific ..... | **9.48** | **8.97** | **9.19** | **8.86** | *9.00* | *7.94* | *8.20* | *8.76* | *9.29* | *8.10* | *8.59* | *9.20* | **9.14** | *8.57* | *8.90* |
| U.S. Average ..... | **9.30** | **9.25** | **9.63** | **8.64** | *9.00* | *8.85* | *9.41* | *9.58* | *9.66* | *9.19* | *9.86* | *10.10* | **9.14** | *9.20* | *9.74* |
| **Industrial** | | | | | | | | | | | | | | | |
| New England ..... | **11.41** | **9.74** | **9.07** | **10.41** | *11.89* | *11.09* | *10.13* | *11.32* | *12.43* | *11.65* | *11.00* | *12.44* | **10.43** | *11.33* | *12.09* |
| Middle Atlantic ..... | **10.04** | **9.01** | **9.01** | **9.90** | *10.28* | *8.54* | *8.23* | *10.16* | *10.48* | *8.93* | *8.85* | *10.96* | **9.70** | *9.64* | *10.10* |
| E. N. Central ..... | **7.98** | **7.01** | **6.96** | **6.74** | *7.43* | *7.03* | *6.95* | *7.48* | *7.89* | *7.37* | *7.39* | *7.92* | **7.33** | *7.31* | *7.75* |
| W. N. Central ..... | **6.73** | **5.65** | **5.59** | **5.65** | *6.61* | *4.89* | *4.93* | *6.00* | *6.68* | *5.31* | *5.42* | *6.41* | **5.98** | *5.73* | *6.06* |
| S. Atlantic ..... | **7.61** | **6.14** | **6.28** | **6.42** | *7.54* | *6.60* | *6.89* | *7.79* | *7.97* | *6.89* | *7.55* | *8.45* | **6.68** | *7.24* | *7.75* |
| E. S. Central ..... | **7.21** | **5.64** | **5.61** | **5.93** | *7.41* | *6.03* | *6.29* | *7.28* | *7.56* | *6.11* | *6.46* | *7.39* | **6.18** | *6.82* | *6.95* |
| W. S. Central ..... | **5.58** | **4.36** | **4.59** | **3.94** | *4.69* | *4.46* | *4.47* | *4.75* | *4.83* | *4.71* | *4.87* | *5.14* | **4.61** | *4.59* | *4.89* |
| Mountain ..... | **7.32** | **6.36** | **6.59** | **6.44** | *7.21* | *6.60* | *6.83* | *7.77* | *8.03* | *6.91* | *7.18* | *8.18* | **6.74** | *7.15* | *7.65* |
| Pacific ..... | **7.77** | **7.01** | **7.01** | **6.80** | *6.99* | *5.99* | *5.82* | *7.25* | *7.91* | *6.68* | *6.42* | *7.87* | **7.17** | *6.58* | *7.31* |
| U.S. Average ..... | **6.51** | **4.98** | **5.07** | **4.96** | *6.02* | *5.12* | *5.05* | *5.83* | *6.24* | *5.38* | *5.45* | *6.24* | **5.41** | *5.54* | *5.86* |

- = 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 - February 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** | **275.1** | *268.5* | *266.3* | *277.1* | *277.6* | *291.0* | *271.2* | *283.0* | *283.1* | **1083.8** | *1089.6* | *1128.3* |
| Appalachia | **84.4** | **84.4** | **83.5** | **86.0** | *85.8* | *83.6* | *84.5* | *85.4* | *87.0* | *83.5* | *87.2* | *87.5* | **338.3** | *339.3* | *345.2* |
| Interior | **37.7** | **37.8** | **41.4** | **37.5** | *38.0* | *37.7* | *37.2* | *37.8* | *41.4* | *38.8* | *38.3* | *38.9* | **154.4** | *150.6* | *157.4* |
| Western | **143.3** | **142.8** | **153.3** | **151.7** | *144.8* | *145.0* | *155.5* | *154.4* | *162.7* | *148.9* | *157.4* | *156.7* | **591.1** | *599.7* | *625.7* |
| Primary Inventory Withdrawals | **-2.4** | **1.5** | **6.2** | **0.3** | *4.8* | *-1.7* | *1.0* | *1.2* | *-4.6* | *0.5* | *3.8* | *-0.2* | **5.6** | *5.2* | *-0.5* |
| Imports | **4.8** | **5.1** | **4.7** | **5.1** | *4.5* | *4.4* | *5.2* | *4.8* | *4.5* | *4.4* | *5.2* | *4.8* | **19.7** | *18.9* | *18.9* |
| Exports | **17.8** | **22.0** | **21.1** | **18.7** | *19.2* | *24.1* | *21.5* | *21.6* | *17.7* | *21.5* | *20.4* | *20.4* | **79.5** | *86.5* | *80.0* |
| Metallurgical Coal | **14.2** | **15.6** | **13.0** | **12.2** | *13.2* | *16.5* | *14.7* | *14.6* | *13.6* | *14.4* | *13.7* | *13.6* | **55.0** | *59.0* | *55.4* |
| Steam Coal | **3.6** | **6.4** | **8.0** | **6.5** | *6.0* | *7.5* | *6.8* | *7.0* | *4.1* | *7.0* | *6.7* | *6.8* | **24.5** | *27.5* | *24.7* |
| Total Primary Supply | **249.9** | **249.7** | **268.0** | **254.1** | *259.6* | *244.9* | *261.8* | *261.9* | *273.3* | *254.6* | *271.5* | *267.2* | **1021.8** | *1028.3* | *1066.6* |
| Secondary Inventory Withdrawals | **13.1** | **-3.8** | **18.1** | **-10.3** | *0.8* | *-10.5* | *13.0* | *-4.6* | *1.4* | *-10.4* | *12.2* | *-4.7* | **17.1** | *-1.4* | *-1.6* |
| Waste Coal (a) | **3.1** | **3.3** | **3.2** | **3.2** | *3.2* | *3.2* | *3.2* | *3.2* | *3.2* | *3.2* | *3.2* | *3.2* | **12.7** | *12.7* | *12.8* |
| Total Supply | **266.1** | **249.1** | **289.4** | **247.0** | *263.6* | *237.6* | *277.9* | *260.5* | *277.8* | *247.3* | *286.9* | *265.7* | **1051.6** | *1039.6* | *1077.8* |
| **Consumption (million short tons)** | | | | | | | | | | | | | | | |
| Coke Plants | **4.9** | **5.4** | **5.5** | **5.3** | *5.4* | *5.3* | *6.2* | *5.9* | *6.6* | *6.2* | *7.0* | *6.4* | **21.0** | *22.8* | *26.1* |
| Electric Power Sector (b) | **246.3** | **229.8** | **267.9** | **232.2** | *245.9* | *220.9* | *260.4* | *242.6* | *258.9* | *229.3* | *268.0* | *246.5* | **976.2** | *969.7* | *1002.7* |
| Retail and Other Industry | **13.4** | **12.3** | **12.8** | **12.3** | *12.3* | *11.4* | *11.3* | *12.0* | *12.4* | *11.8* | *11.9* | *12.8* | **50.7** | *47.1* | *48.9* |
| Residential and Commercial | **1.0** | **0.6** | **0.6** | **0.8** | *1.2* | *0.7* | *0.6* | *0.9* | *1.1* | *0.8* | *0.8* | *1.2* | **3.1** | *3.3* | *3.9* |
| Other Industrial | **12.3** | **11.7** | **12.1** | **11.5** | *11.1* | *10.7* | *10.7* | *11.2* | *11.3* | *11.0* | *11.1* | *11.6* | **47.6** | *43.7* | *45.0* |
| Total Consumption | **264.5** | **247.4** | **286.1** | **250.1** | *263.6* | *237.6* | *277.9* | *260.5* | *277.8* | *247.3* | *286.9* | *265.7* | **1048.1** | *1039.6* | *1077.8* |
| Discrepancy (c) | **1.5** | **1.7** | **3.2** | **-3.1** | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | *0.0* | **3.4** | *0.0* | *0.0* |
| **End-of-period Inventories (million short tons)** | | | | | | | | | | | | | | | |
| Primary Inventories (d) | **50.2** | **48.7** | **42.4** | **42.2** | *37.3* | *39.1* | *38.1* | *36.9* | *41.5* | *41.0* | *37.2* | *37.4* | **42.2** | *36.9* | *37.4* |
| Secondary Inventories | **184.0** | **187.8** | **169.7** | **180.0** | *179.2* | *189.7* | *176.7* | *181.4* | *180.0* | *190.4* | *178.3* | *183.0* | **180.0** | *181.4* | *183.0* |
| Electric Power Sector | **177.8** | **181.1** | **162.8** | **172.8** | *173.0* | *182.9* | *169.4* | *173.7* | *173.2* | *183.0* | *170.3* | *174.7* | **172.8** | *173.7* | *174.7* |
| Retail and General Industry | **4.2** | **4.3** | **4.5** | **4.8** | *4.1* | *4.3* | *4.9* | *5.2* | *4.5* | *4.7* | *5.3* | *5.7* | **4.8** | *5.2* | *5.7* |
| Coke Plants | **1.6** | **2.0** | **1.9** | **1.9** | *1.6* | *2.0* | *2.0* | *2.0* | *1.8* | *2.2* | *2.1* | *2.2* | **1.9** | *2.0* | *2.2* |
| **Coal Market Indicators** | | | | | | | | | | | | | | | |
| Coal Miner Productivity (Tons per hour) | **5.58** | **5.58** | **5.59** | **5.60** | *5.57* | *5.57* | *5.57* | *5.57* | *5.70* | *5.70* | *5.70* | *5.70* | **5.59** | *5.57* | *5.70* |
| Total Raw Steel Production (Million short tons per day) | **0.234** | **0.253** | **0.245** | **0.237** | *0.257* | *0.264* | *0.257* | *0.242* | *0.247* | *0.262* | *0.258* | *0.246* | **0.242** | *0.255* | *0.253* |
| Cost of Coal to Electric Utilities (Dollars per million Btu) | **2.26** | **2.26** | **2.28** | **2.24** | *2.26* | *2.26* | *2.22* | *2.19* | *2.23* | *2.24* | *2.23* | *2.21* | **2.26** | *2.23* | *2.23* |

- = no data available

(a) Waste coal includes waste coal and cloal 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 - February 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** | **10.56** | *11.08* | *10.87* | *12.42* | *10.65* | *11.33* | *11.14* | *12.75* | *10.91* | **11.28** | *11.26* | *11.53* |
| Electric Power Sector (a) | **10.61** | **10.50** | **12.22** | **10.17** | *10.67* | *10.49* | *12.00* | *10.26* | *10.92* | *10.75* | *12.32* | *10.51* | **10.88** | *10.86* | *11.13* |
| Industrial Sector | **0.38** | **0.38** | **0.40** | **0.37** | *0.39* | *0.36* | *0.39* | *0.37* | *0.39* | *0.37* | *0.40* | *0.38* | **0.38** | *0.38* | *0.38* |
| Commercial Sector | **0.02** | **0.02** | **0.02** | **0.02** | *0.02* | *0.02* | *0.02* | *0.02* | *0.02* | *0.02* | *0.02* | *0.02* | **0.02** | *0.02* | *0.02* |
| Net Imports | **0.12** | **0.07** | **0.06** | **0.02** | *0.05* | *0.06* | *0.10* | *0.07* | *0.06* | *0.07* | *0.10* | *0.07* | **0.07** | *0.07* | *0.08* |
| Total Supply | **11.13** | **10.97** | **12.71** | **10.58** | *11.12* | *10.93* | *12.52* | *10.72* | *11.40* | *11.21* | *12.85* | *10.98* | **11.35** | *11.32* | *11.61* |
| Losses and Unaccounted for (b) | **0.51** | **0.95** | **0.69** | **0.69** | *0.52* | *0.85* | *0.74* | *0.70* | *0.55* | *0.88* | *0.76* | *0.70* | **0.71** | *0.70* | *0.72* |
| **Electricity Consumption (billion kilowatthours per day)** | | | | | | | | | | | | | | | |
| Retail Sales | **10.25** | **9.66** | **11.62** | **9.54** | *10.23* | *9.73* | *11.40* | *9.66* | *10.47* | *9.98* | *11.70* | *9.91* | **10.27** | *10.26* | *10.52* |
| Residential Sector | **4.26** | **3.41** | **4.74** | **3.47** | *4.13* | *3.41* | *4.52* | *3.52* | *4.21* | *3.49* | *4.64* | *3.60* | **3.97** | *3.89* | *3.98* |
| Commercial Sector | **3.50** | **3.62** | **4.15** | **3.50** | *3.54* | *3.66* | *4.13* | *3.56* | *3.63* | *3.76* | *4.25* | *3.66* | **3.70** | *3.72* | *3.83* |
| Industrial Sector | **2.46** | **2.60** | **2.71** | **2.54** | *2.55* | *2.64* | *2.73* | *2.57* | *2.61* | *2.70* | *2.79* | *2.63* | **2.58** | *2.62* | *2.68* |
| Transportation Sector | **0.02** | **0.02** | **0.02** | **0.02** | *0.02* | *0.02* | *0.02* | *0.02* | *0.02* | *0.02* | *0.02* | *0.02* | **0.02** | *0.02* | *0.02* |
| Direct Use (c) | **0.37** | **0.36** | **0.39** | **0.35** | *0.37* | *0.35* | *0.38* | *0.36* | *0.37* | *0.36* | *0.39* | *0.36* | **0.37** | *0.36* | *0.37* |
| Total Consumption | **10.62** | **10.02** | **12.01** | **9.89** | *10.60* | *10.08* | *11.78* | *10.02* | *10.85* | *10.33* | *12.09* | *10.27* | **10.64** | *10.62* | *10.89* |
| **Prices** | | | | | | | | | | | | | | | |
| **Power Generation Fuel Costs (dollars per million Btu)** | | | | | | | | | | | | | | | |
| Coal | **2.26** | **2.26** | **2.28** | **2.24** | *2.26* | *2.26* | *2.22* | *2.19* | *2.23* | *2.24* | *2.23* | *2.21* | **2.26** | *2.23* | *2.23* |
| Natural Gas | **6.06** | **4.89** | **4.88** | **4.48** | *5.14* | *4.80* | *4.75* | *5.14* | *5.39* | *4.98* | *5.22* | *5.61* | **5.03** | *4.93* | *5.28* |
| Residual Fuel Oil | **12.10** | **12.36** | **12.36** | **13.35** | *13.79* | *14.46* | *14.62* | *14.76* | *15.02* | *15.25* | *15.31* | *15.41* | **12.49** | *14.39* | *15.24* |
| Distillate Fuel Oil | **15.84** | **16.48** | **16.18** | **17.97** | *19.95* | *19.59* | *19.68* | *20.04* | *20.49* | *20.39* | *20.39* | *20.97* | **16.53** | *19.81* | *20.55* |
| **End-Use Prices (cents per kilowatthour)** | | | | | | | | | | | | | | | |
| Residential Sector | **10.88** | **11.90** | **12.02** | **11.53** | *10.96* | *11.88* | *12.17* | *11.56* | *11.04* | *11.97* | *12.26* | *11.64* | **11.58** | *11.65* | *11.74* |
| Commercial Sector | **9.82** | **10.25** | **10.65** | **10.05** | *9.81* | *10.25* | *10.75* | *10.10* | *9.87* | *10.30* | *10.80* | *10.15* | **10.21** | *10.25* | *10.30* |
| Industrial Sector | **6.54** | **6.77** | **7.19** | **6.68** | *6.39* | *6.64* | *7.04* | *6.53* | *6.44* | *6.68* | *7.09* | *6.59* | **6.80** | *6.66* | *6.71* |

- = 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 colocated 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 - February 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* | *115* | *143* | *123* | *146* | *117* | *146* | *124* | **132** | *131* | *133* |
| Middle Atlantic | **394** | **326** | **444** | **335** | *406* | *323* | *415* | *340* | *413* | *329* | *419* | *344* | **375** | *371* | *376* |
| E. N. Central | **579** | **456** | **639** | **482** | *582* | *452* | *586* | *491* | *584* | *465* | *594* | *504* | **539** | *528* | *537* |
| W. N. Central | **337** | **250** | **350** | **260** | *335* | *253* | *333* | *271* | *341* | *260* | *340* | *277* | **299** | *298* | *304* |
| S. Atlantic | **1,129** | **878** | **1,232** | **879** | *1,046* | *893* | *1,183* | *883* | *1,066* | *914* | *1,220* | *903* | **1,029** | *1,001* | *1,026* |
| E. S. Central | **405** | **291** | **428** | **290** | *367* | *280* | *399* | *289* | *375* | *287* | *408* | *299* | **353** | *334* | *342* |
| W. S. Central | **595** | **514** | **771** | **464** | *544* | *497* | *733* | *469* | *577* | *508* | *755* | *482* | **586** | *561* | *581* |
| Mountain | **243** | **227** | **325** | **226** | *244* | *232* | *326* | *236* | *251* | *237* | *339* | *244* | **255** | *260* | *268* |
| Pacific contiguous | **424** | **346** | **391** | **394** | *441* | *353* | *388* | *399* | *444* | *357* | *402* | *406* | **389** | *395* | *402* |
| AK and HI | **15** | **13** | **13** | **14** | *15* | *13* | *14* | *15* | *15* | *14* | *14* | *15* | **14** | *14* | *14* |
| Total | **4,261** | **3,414** | **4,742** | **3,467** | *4,126* | *3,412* | *4,519* | *3,515* | *4,212* | *3,488* | *4,636* | *3,597* | **3,971** | *3,893* | *3,984* |
| **Commercial Sector** | | | | | | | | | | | | | | | |
| New England | **123** | **120** | **137** | **120** | *126* | *123* | *138* | *123* | *131* | *126* | *141* | *125* | **125** | *128* | *131* |
| Middle Atlantic | **443** | **434** | **506** | **427** | *454* | *440* | *502* | *437* | *465* | *451* | *514* | *448* | **453** | *458* | *469* |
| E. N. Central | **543** | **541** | **614** | **533** | *548* | *533* | *588* | *522* | *555* | *555* | *612* | *543* | **558** | *548* | *566* |
| W. N. Central | **266** | **267** | **302** | **262** | *271* | *272* | *306* | *269* | *278* | *280* | *314* | *276* | **274** | *280* | *287* |
| S. Atlantic | **792** | **852** | **965** | **797** | *791* | *853* | *961* | *816* | *825* | *884* | *996* | *846* | **852** | *855* | *888* |
| E. S. Central | **220** | **228** | **271** | **211** | *215* | *227* | *264* | *214* | *220* | *232* | *270* | *218* | **232** | *230* | *235* |
| W. S. Central | **442** | **479** | **578** | **455** | *445* | *487* | *568* | *460* | *451* | *500* | *583* | *472* | **489** | *490* | *501* |
| Mountain | **234** | **251** | **285** | **241** | *242* | *260* | *293* | *251* | *248* | *268* | *302* | *258* | **253** | *261* | *269* |
| Pacific contiguous | **420** | **432** | **478** | **441** | *427* | *443* | *495* | *450* | *440* | *450* | *502* | *457* | **443** | *454* | *462* |
| AK and HI | **17** | **16** | **17** | **17** | *17* | *17* | *17* | *18* | *18* | *17* | *18* | *18* | **17** | *17* | *18* |
| Total | **3,501** | **3,621** | **4,151** | **3,503** | *3,535* | *3,656* | *4,132* | *3,558* | *3,628* | *3,762* | *4,252* | *3,662* | **3,695** | *3,722* | *3,827* |
| **Industrial Sector** | | | | | | | | | | | | | | | |
| New England | **76** | **77** | **83** | **76** | *77* | *78* | *81* | *78* | *78* | *80* | *83* | *79* | **78** | *79* | *80* |
| Middle Atlantic | **179** | **187** | **193** | **178** | *184* | *189* | *194* | *182* | *189* | *193* | *199* | *187* | **184** | *187* | *192* |
| E. N. Central | **471** | **488** | **493** | **478** | *487* | *493* | *500* | *480* | *498* | *504* | *510* | *490* | **482** | *490* | *500* |
| W. N. Central | **222** | **235** | **245** | **234** | *232* | *237* | *249* | *239* | *239* | *244* | *257* | *246* | **234** | *239* | *246* |
| S. Atlantic | **360** | **397** | **406** | **368** | *377* | *400* | *405* | *376* | *388* | *411* | *417* | *387* | **383** | *390* | *400* |
| E. S. Central | **336** | **334** | **334** | **332** | *343* | *340* | *342* | *346* | *354* | *351* | *353* | *357* | **334** | *343* | *354* |
| W. S. Central | **397** | **432** | **464** | **427** | *417* | *444* | *461* | *424* | *426* | *453* | *470* | *432* | **430** | *437* | *445* |
| Mountain | **195** | **209** | **232** | **208** | *199* | *217* | *233* | *207* | *203* | *222* | *238* | *211* | **211** | *214* | *218* |
| Pacific contiguous | **214** | **228** | **245** | **229** | *220* | *230* | *248* | *223* | *223* | *233* | *251* | *226* | **229** | *230* | *233* |
| AK and HI | **13** | **14** | **14** | **14** | *13* | *14* | *14* | *14* | *13* | *14* | *14* | *14* | **14** | *14* | *14* |
| Total | **2,462** | **2,600** | **2,707** | **2,544** | *2,550* | *2,643* | *2,728* | *2,568* | *2,611* | *2,704* | *2,792* | *2,628* | **2,579** | *2,623* | *2,684* |
| **Total All Sectors** (a) | | | | | | | | | | | | | | | |
| New England | **342** | **312** | **371** | **319** | *349* | *319* | *364* | *325* | *356* | *324* | *371* | *330* | **336** | *339* | *345* |
| Middle Atlantic | **1,028** | **958** | **1,153** | **951** | *1,056* | *962* | *1,123* | *971* | *1,079* | *985* | *1,146* | *991* | **1,023** | *1,028* | *1,050* |
| E. N. Central | **1,595** | **1,486** | **1,747** | **1,494** | *1,619* | *1,481* | *1,675* | *1,494* | *1,638* | *1,525* | *1,718* | *1,538* | **1,581** | *1,567* | *1,605* |
| W. N. Central | **825** | **752** | **897** | **757** | *838* | *763* | *888* | *779* | *858* | *784* | *911* | *799* | **808** | *817* | *838* |
| S. Atlantic | **2,286** | **2,130** | **2,606** | **2,048** | *2,217* | *2,149* | *2,553* | *2,079* | *2,283* | *2,213* | *2,636* | *2,139* | **2,267** | *2,250* | *2,318* |
| E. S. Central | **960** | **854** | **1,032** | **832** | *925* | *847* | *1,006* | *849* | *948* | *870* | *1,031* | *874* | **920** | *907* | *931* |
| W. S. Central | **1,433** | **1,425** | **1,813** | **1,347** | *1,407* | *1,429* | *1,761* | *1,352* | *1,454* | *1,461* | *1,807* | *1,386* | **1,505** | *1,488* | *1,527* |
| Mountain | **672** | **687** | **842** | **676** | *685* | *709* | *852* | *694* | *703* | *727* | *879* | *713* | **719** | *736* | *756* |
| Pacific contiguous | **1,061** | **1,008** | **1,117** | **1,067** | *1,091* | *1,028* | *1,134* | *1,074* | *1,109* | *1,043* | *1,158* | *1,091* | **1,063** | *1,082* | *1,100* |
| AK and HI | **45** | **43** | **44** | **45** | *46* | *44* | *45* | *46* | *47* | *45* | *46* | *47* | **44** | *45* | *46* |
| Total | **10,247** | **9,656** | **11,621** | **9,535** | *10,234* | *9,731* | *11,401* | *9,663* | *10,475* | *9,977* | *11,703* | *9,909* | **10,267** | *10,259* | *10,518* |

- = 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 - February 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** | **16.51** | *16.98* | *17.21* | *17.05* | *16.98* | *17.22* | *17.46* | *17.30* | *17.22* | **16.53** | *17.05* | *17.29* |
| Middle Atlantic | **14.82** | **16.14** | **16.65** | **15.39** | *14.79* | *16.13* | *17.08* | *15.52* | *14.96* | *16.31* | *17.27* | *15.69* | **15.78** | *15.90* | *16.07* |
| E. N. Central | **10.50** | **11.89** | **11.82** | **11.26** | *10.54* | *11.73* | *11.77* | *11.24* | *10.59* | *11.78* | *11.82* | *11.28* | **11.36** | *11.30* | *11.35* |
| W. N. Central | **8.33** | **10.08** | **10.61** | **9.35** | *8.53* | *10.01* | *10.47* | *9.20* | *8.57* | *10.06* | *10.52* | *9.24* | **9.59** | *9.54* | *9.59* |
| S. Atlantic | **10.46** | **11.32** | **11.42** | **11.01** | *10.38* | *11.14* | *11.46* | *11.04* | *10.43* | *11.19* | *11.51* | *11.10* | **11.05** | *11.02* | *11.07* |
| E. S. Central | **8.81** | **9.90** | **10.02** | **10.09** | *9.25* | *10.15* | *10.16* | *10.03* | *9.28* | *10.19* | *10.19* | *10.07* | **9.67** | *9.88* | *9.92* |
| W. S. Central | **10.28** | **11.00** | **10.79** | **10.44** | *10.37* | *11.09* | *11.15* | *10.63* | *10.48* | *11.20* | *11.26* | *10.74* | **10.64** | *10.84* | *10.94* |
| Mountain | **9.71** | **10.83** | **11.22** | **10.02** | *9.64* | *10.72* | *11.13* | *10.15* | *9.74* | *10.84* | *11.25* | *10.26* | **10.51** | *10.47* | *10.58* |
| Pacific | **12.03** | **12.47** | **13.37** | **12.43** | *11.74* | *12.45* | *13.77* | *12.21* | *11.85* | *12.56* | *13.89* | *12.32* | **12.57** | *12.52* | *12.64* |
| U.S. Average | **10.88** | **11.90** | **12.02** | **11.53** | *10.96* | *11.88* | *12.17* | *11.56* | *11.04* | *11.97* | *12.26* | *11.64* | **11.58** | *11.65* | *11.74* |
| **Commercial Sector** | | | | | | | | | | | | | | | |
| New England | **15.26** | **14.71** | **15.33** | **14.43** | *15.27* | *15.24* | *15.55* | *14.95* | *15.40* | *15.36* | *15.68* | *15.07* | **14.95** | *15.26* | *15.39* |
| Middle Atlantic | **13.23** | **14.00** | **14.60** | **13.41** | *13.03* | *13.86* | *14.98* | *13.43* | *13.24* | *14.08* | *15.22* | *13.64* | **13.84** | *13.86* | *14.08* |
| E. N. Central | **8.90** | **9.18** | **9.27** | **9.07** | *8.83* | *9.15* | *9.29* | *9.06* | *8.69* | *9.00* | *9.14* | *8.91* | **9.11** | *9.09* | *8.94* |
| W. N. Central | **7.08** | **7.93** | **8.60** | **7.52** | *7.13* | *7.93* | *8.47* | *7.36* | *7.15* | *7.94* | *8.49* | *7.37* | **7.81** | *7.75* | *7.76* |
| S. Atlantic | **9.13** | **9.33** | **9.42** | **9.34** | *9.10* | *9.26* | *9.50* | *9.42* | *9.15* | *9.30* | *9.54* | *9.46* | **9.31** | *9.33* | *9.37* |
| E. S. Central | **8.86** | **9.33** | **9.54** | **9.78** | *9.30* | *9.64* | *9.76* | *9.75* | *9.30* | *9.64* | *9.76* | *9.75* | **9.38** | *9.62* | *9.62* |
| W. S. Central | **8.95** | **8.80** | **8.74** | **8.52** | *8.66* | *8.71* | *8.86* | *8.51* | *8.76* | *8.81* | *8.96* | *8.61* | **8.75** | *8.70* | *8.79* |
| Mountain | **8.20** | **9.04** | **9.25** | **8.51** | *8.17* | *8.83* | *9.07* | *8.55* | *8.22* | *8.89* | *9.12* | *8.60* | **8.78** | *8.68* | *8.73* |
| Pacific | **10.78** | **12.20** | **14.05** | **11.67** | *10.98* | *12.39* | *13.97* | *11.85* | *11.12* | *12.54* | *14.15* | *12.00* | **12.24** | *12.36* | *12.51* |
| U.S. Average | **9.82** | **10.25** | **10.65** | **10.05** | *9.81* | *10.25* | *10.75* | *10.10* | *9.87* | *10.30* | *10.80* | *10.15* | **10.21** | *10.25* | *10.30* |
| **Industrial Sector** | | | | | | | | | | | | | | | |
| New England | **12.32** | **12.90** | **12.78** | **12.72** | *12.54* | *12.40* | *12.60* | *12.44* | *12.57* | *12.42* | *12.62* | *12.47* | **12.68** | *12.50* | *12.52* |
| Middle Atlantic | **8.49** | **8.43** | **8.71** | **8.26** | *8.01* | *8.20* | *8.46* | *7.97* | *8.06* | *8.24* | *8.51* | *8.02* | **8.48** | *8.17* | *8.21* |
| E. N. Central | **6.38** | **6.56** | **6.79** | **6.52** | *6.06* | *6.25* | *6.47* | *6.18* | *6.17* | *6.37* | *6.60* | *6.31* | **6.57** | *6.24* | *6.36* |
| W. N. Central | **5.43** | **5.74** | **6.45** | **5.62** | *5.42* | *5.81* | *6.39* | *5.55* | *5.44* | *5.83* | *6.41* | *5.57* | **5.82** | *5.80* | *5.82* |
| S. Atlantic | **6.45** | **6.53** | **7.00** | **6.57** | *6.18* | *6.35* | *6.83* | *6.48* | *6.18* | *6.35* | *6.83* | *6.48* | **6.65** | *6.47* | *6.47* |
| E. S. Central | **5.31** | **5.84** | **6.33** | **5.95** | *5.34* | *5.80* | *6.17* | *5.75* | *5.34* | *5.80* | *6.17* | *5.75* | **5.86** | *5.77* | *5.77* |
| W. S. Central | **6.07** | **6.00** | **6.14** | **5.79** | *5.91* | *5.94* | *6.00* | *5.57* | *5.96* | *5.95* | *6.06* | *5.69* | **6.00** | *5.86* | *5.92* |
| Mountain | **5.69** | **6.17** | **6.87** | **5.72** | *5.77* | *6.14* | *6.83* | *5.80* | *5.90* | *6.22* | *6.93* | *5.90* | **6.14** | *6.16* | *6.26* |
| Pacific | **7.29** | **7.84** | **8.73** | **7.79** | *7.30* | *7.82* | *8.70* | *7.92* | *7.39* | *7.87* | *8.77* | *7.98* | **7.94** | *7.96* | *8.03* |
| U.S. Average | **6.54** | **6.77** | **7.19** | **6.68** | *6.39* | *6.64* | *7.04* | *6.53* | *6.44* | *6.68* | *7.09* | *6.59* | **6.80** | *6.66* | *6.71* |
| **All Sectors** (a) | | | | | | | | | | | | | | | |
| New England | **15.12** | **14.92** | **15.19** | **14.79** | *15.35* | *15.22* | *15.45* | *15.09* | *15.49* | *15.36* | *15.61* | *15.23* | **15.02** | *15.28* | *15.43* |
| Middle Atlantic | **13.00** | **13.64** | **14.40** | **13.13** | *12.81* | *13.49* | *14.59* | *13.11* | *12.96* | *13.65* | *14.76* | *13.26* | **13.58** | *13.53* | *13.69* |
| E. N. Central | **8.74** | **9.15** | **9.51** | **8.96** | *8.61* | *8.97* | *9.32* | *8.85* | *8.60* | *8.97* | *9.31* | *8.86* | **9.10** | *8.94* | *8.94* |
| W. N. Central | **7.14** | **7.96** | **8.80** | **7.56** | *7.22* | *7.96* | *8.63* | *7.45* | *7.24* | *7.99* | *8.66* | *7.47* | **7.90** | *7.83* | *7.85* |
| S. Atlantic | **9.36** | **9.63** | **9.99** | **9.56** | *9.21* | *9.50* | *9.98* | *9.58* | *9.25* | *9.54* | *10.03* | *9.62* | **9.65** | *9.59* | *9.62* |
| E. S. Central | **7.60** | **8.16** | **8.71** | **8.36** | *7.81* | *8.27* | *8.70* | *8.21* | *7.81* | *8.27* | *8.70* | *8.22* | **8.22** | *8.26* | *8.26* |
| W. S. Central | **8.70** | **8.74** | **8.95** | **8.32** | *8.51* | *8.68* | *9.07* | *8.32* | *8.62* | *8.75* | *9.17* | *8.44* | **8.70** | *8.67* | *8.77* |
| Mountain | **8.02** | **8.76** | **9.36** | **8.16** | *8.00* | *8.62* | *9.24* | *8.27* | *8.09* | *8.71* | *9.35* | *8.37* | **8.62** | *8.58* | *8.67* |
| Pacific | **10.57** | **11.30** | **12.64** | **11.11** | *10.54* | *11.37* | *12.74* | *11.16* | *10.65* | *11.49* | *12.88* | *11.28* | **11.43** | *11.47* | *11.60* |
| U.S. Average | **9.47** | **9.90** | **10.41** | **9.69** | *9.42* | *9.84* | *10.42* | *9.68* | *9.49* | *9.90* | *10.49* | *9.75* | **9.89** | *9.86* | *9.93* |

- = 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 - February 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** | **4.672** | *5.083* | *4.500* | *5.216* | *4.853* | *5.284* | *4.655* | *5.353* | *4.917* | **5.013** | *4.913* | *5.053* |
| Natural Gas | **2.011** | **2.306** | **3.329** | **2.208** | *2.120* | *2.345* | *3.274* | *2.186* | *2.124* | *2.443* | *3.410* | *2.256* | **2.466** | *2.484* | *2.560* |
| Other Gases | **0.009** | **0.009** | **0.008** | **0.007** | *0.009* | *0.010* | *0.011* | *0.011* | *0.012* | *0.012* | *0.013* | *0.014* | **0.008** | *0.010* | *0.012* |
| Petroleum | **0.094** | **0.095** | **0.111** | **0.074** | *0.096* | *0.086* | *0.101* | *0.076* | *0.093* | *0.084* | *0.099* | *0.077* | **0.093** | *0.090* | *0.088* |
| Residual Fuel Oil | **0.034** | **0.042** | **0.054** | **0.028** | *0.040* | *0.034* | *0.044* | *0.026* | *0.033* | *0.030* | *0.041* | *0.026* | **0.040** | *0.036* | *0.032* |
| Distillate Fuel Oil | **0.023** | **0.016** | **0.019** | **0.016** | *0.020* | *0.016* | *0.015* | *0.013* | *0.018* | *0.015* | *0.014* | *0.013* | **0.018** | *0.016* | *0.015* |
| Petroleum Coke | **0.034** | **0.034** | **0.035** | **0.028** | *0.032* | *0.033* | *0.039* | *0.033* | *0.036* | *0.036* | *0.041* | *0.034* | **0.033** | *0.034* | *0.037* |
| Other Petroleum | **0.003** | **0.002** | **0.002** | **0.002** | *0.005* | *0.003* | *0.003* | *0.003* | *0.006* | *0.003* | *0.004* | *0.004* | **0.002** | *0.004* | *0.004* |
| Nuclear | **2.249** | **2.116** | **2.314** | **2.153** | *2.226* | *2.185* | *2.324* | *2.155* | *2.239* | *2.190* | *2.330* | *2.161* | **2.208** | *2.223* | *2.230* |
| Pumped Storage Hydroelectric | **-0.008** | **-0.008** | **-0.015** | **-0.011** | *-0.013* | *-0.014* | *-0.017* | *-0.016* | *-0.015* | *-0.014* | *-0.017* | *-0.016* | **-0.010** | *-0.015* | *-0.016* |
| Other Fuels (b) | **0.017** | **0.020** | **0.020** | **0.020** | *0.019* | *0.019* | *0.021* | *0.019* | *0.019* | *0.019* | *0.021* | *0.019* | **0.019** | *0.019* | *0.020* |
| Renewables: | | | | | | | | | | | | | | | |
| Conventional Hydroelectric | **0.697** | **0.797** | **0.658** | **0.633** | *0.706* | *0.883* | *0.668* | *0.553* | *0.705* | *0.825* | *0.654* | *0.607* | **0.696** | *0.702* | *0.697* |
| Geothermal | **0.044** | **0.043** | **0.042** | **0.043** | *0.045* | *0.043* | *0.045* | *0.045* | *0.045* | *0.044* | *0.045* | *0.045* | **0.043** | *0.044* | *0.044* |
| Solar | **0.001** | **0.005** | **0.005** | **0.002** | *0.002* | *0.005* | *0.006* | *0.002* | *0.003* | *0.008* | *0.008* | *0.002* | **0.004** | *0.004* | *0.005* |
| Wind | **0.235** | **0.291** | **0.221** | **0.295** | *0.298* | *0.350* | *0.273* | *0.293* | *0.330* | *0.403* | *0.321* | *0.343* | **0.261** | *0.303* | *0.349* |
| Wood and Wood Waste | **0.032** | **0.029** | **0.034** | **0.030** | *0.031* | *0.028* | *0.033* | *0.032* | *0.033* | *0.030* | *0.037* | *0.036* | **0.031** | *0.031* | *0.034* |
| Other Renewables | **0.042** | **0.045** | **0.044** | **0.045** | *0.045* | *0.046* | *0.048* | *0.047* | *0.047* | *0.049* | *0.051* | *0.049* | **0.044** | *0.047* | *0.049* |
| Subtotal Electric Power Sector | **10.605** | **10.497** | **12.221** | **10.170** | *10.667* | *10.488* | *12.002* | *10.258* | *10.921* | *10.748* | *12.324* | *10.510* | **10.876** | *10.856* | *11.127* |
| **Commercial Sector (c)** | | | | | | | | | | | | | | | |
| Coal | **0.003** | **0.003** | **0.003** | **0.003** | *0.003* | *0.003* | *0.004* | *0.003* | *0.004* | *0.003* | *0.004* | *0.003* | **0.003** | *0.003* | *0.003* |
| Natural Gas | **0.011** | **0.011** | **0.014** | **0.013** | *0.012* | *0.011* | *0.013* | *0.012* | *0.012* | *0.011* | *0.013* | *0.012* | **0.012** | *0.012* | *0.012* |
| Petroleum | **0.000** | **0.000** | **0.000** | **0.000** | *0.000* | *0.000* | *0.000* | *0.000* | *0.000* | *0.000* | *0.000* | *0.000* | **0.000** | *0.000* | *0.000* |
| Other Fuels (b) | **0.002** | **0.002** | **0.002** | **0.002** | *0.002* | *0.002* | *0.002* | *0.002* | *0.002* | *0.002* | *0.002* | *0.002* | **0.002** | *0.002* | *0.002* |
| Renewables (d) | **0.004** | **0.005** | **0.005** | **0.005** | *0.005* | *0.005* | *0.005* | *0.005* | *0.004* | *0.005* | *0.005* | *0.005* | **0.005** | *0.005* | *0.005* |
| Subtotal Commercial Sector | **0.022** | **0.022** | **0.025** | **0.023** | *0.023* | *0.023* | *0.025* | *0.023* | *0.023* | *0.023* | *0.025* | *0.023* | **0.023** | *0.023* | *0.023* |
| **Industrial Sector (c)** | | | | | | | | | | | | | | | |
| Coal | **0.052** | **0.047** | **0.055** | **0.045** | *0.041* | *0.038* | *0.040* | *0.039* | *0.040* | *0.038* | *0.042* | *0.040* | **0.050** | *0.040* | *0.040* |
| Natural Gas | **0.216** | **0.211** | **0.228** | **0.208** | *0.227* | *0.210* | *0.232* | *0.215* | *0.228* | *0.214* | *0.238* | *0.220* | **0.216** | *0.221* | *0.225* |
| Other Gases | **0.022** | **0.023** | **0.024** | **0.021** | *0.022* | *0.022* | *0.024* | *0.022* | *0.022* | *0.023* | *0.024* | *0.022* | **0.023** | *0.022* | *0.023* |
| Petroleum | **0.007** | **0.007** | **0.007** | **0.006** | *0.008* | *0.007* | *0.007* | *0.007* | *0.008* | *0.007* | *0.007* | *0.007* | **0.006** | *0.007* | *0.007* |
| Other Fuels (b) | **0.009** | **0.010** | **0.011** | **0.011** | *0.009* | *0.009* | *0.010* | *0.011* | *0.009* | *0.010* | *0.011* | *0.011* | **0.010** | *0.010* | *0.010* |
| Renewables: | | | | | | | | | | | | | | | |
| Conventional Hydroelectric | **0.006** | **0.005** | **0.003** | **0.004** | *0.006* | *0.005* | *0.003* | *0.004* | *0.006* | *0.005* | *0.003* | *0.004* | **0.005** | *0.005* | *0.005* |
| Wood and Wood Waste | **0.072** | **0.072** | **0.075** | **0.070** | *0.072* | *0.069* | *0.072* | *0.070* | *0.072* | *0.070* | *0.074* | *0.072* | **0.072** | *0.071* | *0.072* |
| Other Renewables (e) | **0.002** | **0.002** | **0.002** | **0.002** | *0.002* | *0.002* | *0.002* | *0.002* | *0.002* | *0.002* | *0.002* | *0.002* | **0.002** | *0.002* | *0.002* |
| Subtotal Industrial Sector | **0.384** | **0.377** | **0.404** | **0.367** | *0.385* | *0.363* | *0.391* | *0.370* | *0.387* | *0.370* | *0.400* | *0.379* | **0.383** | *0.377* | *0.384* |
| **Total All Sectors** | **11.011** | **10.897** | **12.650** | **10.561** | *11.076* | *10.873* | *12.418* | *10.650* | *11.330* | *11.141* | *12.749* | *10.911* | **11.282** | *11.256* | *11.534* |

- = 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 - February 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** | *2.72* | *2.42* | *2.82* | *2.63* | *2.83* | *2.51* | *2.90* | *2.67* | **2.66** | *2.65* | *2.73* |
| Natural Gas (bcf/d) | **15.48** | **18.25** | **26.72** | **16.86** | *16.19* | *18.47* | *25.96* | *16.68* | *16.08* | *19.12* | *26.90* | *17.14* | **19.35** | *19.34* | *19.82* |
| Petroleum (mmb/d) (b) | **0.17** | **0.17** | **0.20** | **0.13** | *0.18* | *0.16* | *0.19* | *0.14* | *0.17* | *0.16* | *0.18* | *0.14* | **0.17** | *0.17* | *0.16* |
| Residual Fuel Oil (mmb/d) | **0.06** | **0.07** | **0.09** | **0.05** | *0.07* | *0.06* | *0.07* | *0.04* | *0.06* | *0.05* | *0.07* | *0.04* | **0.07** | *0.06* | *0.05* |
| Distillate Fuel Oil (mmb/d) | **0.04** | **0.03** | **0.04** | **0.03** | *0.04* | *0.03* | *0.03* | *0.03* | *0.03* | *0.03* | *0.03* | *0.03* | **0.04** | *0.03* | *0.03* |
| Petroleum Coke (mmst/d) | **0.07** | **0.07** | **0.07** | **0.05** | *0.06* | *0.07* | *0.08* | *0.07* | *0.07* | *0.07* | *0.08* | *0.07* | **0.06** | *0.07* | *0.07* |
| Other Petroleum (mmb/d) | **0.01** | **0.00** | **0.00** | **0.00** | *0.01* | *0.00* | *0.01* | *0.01* | *0.01* | *0.01* | *0.01* | *0.01* | **0.00** | *0.01* | *0.01* |
| **Commercial Sector (c)** | | | | | | | | | | | | | | | |
| Coal (mmst/d) | **0.00** | **0.00** | **0.00** | **0.00** | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | **0.00** | *0.00* | *0.00* |
| Natural Gas (bcf/d) | **0.09** | **0.09** | **0.11** | **0.10** | *0.10* | *0.09* | *0.11* | *0.09* | *0.10* | *0.09* | *0.11* | *0.09* | **0.10** | *0.10* | *0.10* |
| Petroleum (mmb/d) (b) | **0.00** | **0.00** | **0.00** | **0.00** | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | *0.00* | **0.00** | *0.00* | *0.00* |
| **Industrial Sector (c)** | | | | | | | | | | | | | | | |
| Coal (mmst/d) | **0.02** | **0.02** | **0.02** | **0.02** | *0.01* | *0.01* | *0.01* | *0.01* | *0.01* | *0.01* | *0.02* | *0.02* | **0.02** | *0.01* | *0.01* |
| Natural Gas (bcf/d) | **1.48** | **1.44** | **1.57** | **1.42** | *1.59* | *1.51* | *1.67* | *1.54* | *1.62* | *1.55* | *1.71* | *1.58* | **1.48** | *1.58* | *1.61* |
| Petroleum (mmb/d) (b) | **0.01** | **0.01** | **0.01** | **0.01** | *0.01* | *0.01* | *0.01* | *0.01* | *0.01* | *0.01* | *0.01* | *0.01* | **0.01** | *0.01* | *0.01* |
| **Total All Sectors** | | | | | | | | | | | | | | | |
| Coal (mmst/d) | **2.75** | **2.53** | **2.93** | **2.53** | *2.73* | *2.43* | *2.84* | *2.64* | *2.85* | *2.52* | *2.92* | *2.69* | **2.68** | *2.66* | *2.74* |
| Natural Gas (bcf/d) | **17.05** | **19.79** | **28.40** | **18.39** | *17.88* | *20.07* | *27.74* | *18.31* | *17.80* | *20.75* | *28.71* | *18.81* | **20.93** | *21.02* | *21.53* |
| Petroleum (mmb/d) (b) | **0.18** | **0.18** | **0.21** | **0.14** | *0.19* | *0.17* | *0.20* | *0.15* | *0.18* | *0.17* | *0.19* | *0.15* | **0.18** | *0.18* | *0.17* |
| | | | | | | | | | | | | | | | |
| **End-of-period Fuel Inventories Held by Electric Power Sector** | | | | | | | | | | | | | | | |
| Coal (mmst) | **177.8** | **181.1** | **162.8** | **172.8** | *173.0* | *182.9* | *169.4* | *173.7* | *173.2* | *183.0* | *170.3* | *174.7* | **172.8** | *173.7* | *174.7* |
| Residual Fuel Oil (mmb) | **18.7** | **17.4** | **17.4** | **17.1** | *17.2* | *18.0* | *16.3* | *16.9* | *16.7* | *17.1* | *15.1* | *15.6* | **17.1** | *16.9* | *15.6* |
| Distillate Fuel Oil (mmb) | **17.3** | **17.2** | **17.0** | **16.8** | *16.1* | *16.1* | *16.3* | *16.9* | *16.2* | *16.1* | *16.2* | *16.8* | **16.8** | *16.9* | *16.8* |
| Petroleum Coke (mmb) | **5.8** | **5.5** | **6.1** | **5.4** | *5.4* | *5.2* | *5.2* | *4.8* | *4.9* | *4.7* | *4.7* | *4.3* | **5.4** | *4.8* | *4.3* |

- = 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 - February 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** | **0.576** | *0.631* | *0.797* | *0.608* | *0.506* | *0.638* | *0.745* | *0.595* | *0.554* | **2.500** | *2.542* | *2.532* |
| Geothermal | **0.096** | **0.095** | **0.095** | **0.095** | *0.098* | *0.096* | *0.100* | *0.100* | *0.099* | *0.097* | *0.100* | *0.100* | **0.381** | *0.393* | *0.396* |
| Solar | **0.026** | **0.030** | **0.030** | **0.027** | *0.027* | *0.030* | *0.031* | *0.027* | *0.028* | *0.033* | *0.032* | *0.027* | **0.113** | *0.115* | *0.121* |
| Wind | **0.208** | **0.261** | **0.200** | **0.267** | *0.265* | *0.314* | *0.248* | *0.265* | *0.296* | *0.361* | *0.291* | *0.311* | **0.937** | *1.091* | *1.260* |
| Wood | **0.478** | **0.478** | **0.496** | **0.476** | *0.480* | *0.466* | *0.492* | *0.484* | *0.491* | *0.476* | *0.506* | *0.497* | **1.928** | *1.922* | *1.970* |
| Ethanol (b) | **0.267** | **0.274** | **0.284** | **0.296** | *0.292* | *0.297* | *0.301* | *0.300* | *0.298* | *0.299* | *0.304* | *0.306* | **1.120** | *1.189* | *1.207* |
| Biodiesel (b) | **0.013** | **0.011** | **0.009** | **0.014** | *0.020* | *0.023* | *0.026* | *0.027* | *0.026* | *0.026* | *0.027* | *0.028* | **0.046** | *0.096* | *0.107* |
| Other Renewables | **0.108** | **0.113** | **0.112** | **0.118** | *0.106* | *0.115* | *0.119* | *0.119* | *0.111* | *0.119* | *0.123* | *0.122* | **0.452** | *0.459* | *0.476* |
| Total | **1.814** | **1.975** | **1.820** | **1.846** | *1.920* | *2.137* | *1.923* | *1.827* | *1.987* | *2.156* | *1.980* | *1.945* | **7.455** | *7.807* | *8.068* |
| **Consumption** | | | | | | | | | | | | | | | |
| **Electric Power Sector** | | | | | | | | | | | | | | | |
| Hydroelectric Power (a) | **0.618** | **0.715** | **0.596** | **0.574** | *0.626* | *0.792* | *0.605* | *0.502* | *0.632* | *0.740* | *0.593* | *0.550* | **2.503** | *2.525* | *2.515* |
| Geothermal | **0.082** | **0.082** | **0.082** | **0.081** | *0.085* | *0.083* | *0.086* | *0.086* | *0.086* | *0.083* | *0.087* | *0.086* | **0.327** | *0.339* | *0.342* |
| Solar | **0.001** | **0.005** | **0.005** | **0.002** | *0.002* | *0.005* | *0.006* | *0.002* | *0.003* | *0.008* | *0.007* | *0.002* | **0.013** | *0.014* | *0.020* |
| Wind | **0.208** | **0.261** | **0.200** | **0.267** | *0.265* | *0.314* | *0.248* | *0.265* | *0.296* | *0.361* | *0.291* | *0.311* | **0.937** | *1.091* | *1.260* |
| Wood | **0.048** | **0.044** | **0.049** | **0.046** | *0.045* | *0.041* | *0.049* | *0.048* | *0.049* | *0.045* | *0.055* | *0.054* | **0.188** | *0.184* | *0.204* |
| Other Renewables | **0.060** | **0.064** | **0.063** | **0.066** | *0.064* | *0.067* | *0.070* | *0.069* | *0.068* | *0.071* | *0.074* | *0.071* | **0.254** | *0.270* | *0.284* |
| Subtotal | **1.019** | **1.171** | **0.996** | **1.010** | *1.086* | *1.301* | *1.064* | *0.972* | *1.135* | *1.307* | *1.107* | *1.075* | **4.196** | *4.423* | *4.624* |
| **Industrial Sector** | | | | | | | | | | | | | | | |
| Hydroelectric Power (a) | **0.005** | **0.005** | **0.003** | **0.004** | *0.005* | *0.005* | *0.003* | *0.004* | *0.005* | *0.005* | *0.003* | *0.004* | **0.017** | *0.016* | *0.017* |
| Geothermal | **0.001** | **0.001** | **0.001** | **0.001** | *0.001* | *0.001* | *0.001* | *0.001* | *0.001* | *0.001* | *0.001* | *0.001* | **0.004** | *0.004* | *0.004* |
| Wood and Wood Waste | **0.306** | **0.309** | **0.320** | **0.305** | *0.308* | *0.299* | *0.316* | *0.309* | *0.314* | *0.306* | *0.324* | *0.316* | **1.240** | *1.233* | *1.260* |
| Other Renewables | **0.040** | **0.040** | **0.040** | **0.045** | *0.035* | *0.039* | *0.040* | *0.042* | *0.035* | *0.040* | *0.041* | *0.043* | **0.165** | *0.155* | *0.158* |
| Subtotal | **0.355** | **0.359** | **0.368** | **0.360** | *0.353* | *0.347* | *0.364* | *0.360* | *0.360* | *0.355* | *0.373* | *0.369* | **1.442** | *1.425* | *1.457* |
| **Commercial Sector** | | | | | | | | | | | | | | | |
| Hydroelectric Power (a) | **0.000** | **0.000** | **0.000** | **0.000** | *0.000* | *0.000* | *0.000* | *0.000* | *0.000* | *0.000* | *0.000* | *0.000* | **0.001** | *0.001* | *0.001* |
| Geothermal | **0.004** | **0.004** | **0.004** | **0.004** | *0.004* | *0.004* | *0.004* | *0.004* | *0.004* | *0.004* | *0.004* | *0.004* | **0.017** | *0.017* | *0.017* |
| Wood and Wood Waste | **0.018** | **0.018** | **0.018** | **0.018** | *0.019* | *0.018* | *0.019* | *0.018* | *0.019* | *0.018* | *0.019* | *0.018* | **0.072** | *0.074* | *0.074* |
| Other Renewables | **0.008** | **0.009** | **0.008** | **0.009** | *0.008* | *0.009* | *0.009* | *0.009* | *0.008* | *0.009* | *0.009* | *0.009* | **0.035** | *0.035* | *0.034* |
| Subtotal | **0.031** | **0.032** | **0.031** | **0.032** | *0.033* | *0.032* | *0.032* | *0.032* | *0.032* | *0.032* | *0.033* | *0.032* | **0.127** | *0.129* | *0.129* |
| **Residential Sector** | | | | | | | | | | | | | | | |
| Geothermal | **0.008** | **0.008** | **0.008** | **0.008** | *0.008* | *0.008* | *0.008* | *0.008* | *0.008* | *0.008* | *0.008* | *0.008* | **0.033** | *0.033* | *0.033* |
| Biomass | **0.106** | **0.107** | **0.108** | **0.108** | *0.108* | *0.108* | *0.108* | *0.108* | *0.108* | *0.108* | *0.108* | *0.108* | **0.430** | *0.432* | *0.432* |
| Solar | **0.025** | **0.025** | **0.025** | **0.025** | *0.025* | *0.025* | *0.025* | *0.025* | *0.025* | *0.025* | *0.025* | *0.025* | **0.101** | *0.101* | *0.101* |
| Subtotal | **0.139** | **0.140** | **0.142** | **0.142** | *0.141* | *0.142* | *0.141* | *0.141* | *0.141* | *0.141* | *0.141* | *0.141* | **0.563** | *0.565* | *0.566* |
| **Transportation Sector** | | | | | | | | | | | | | | | |
| Ethanol (b) | **0.256** | **0.278** | **0.288** | **0.298** | *0.280* | *0.295* | *0.298* | *0.297* | *0.292* | *0.297* | *0.303* | *0.305* | **1.120** | *1.170* | *1.196* |
| Biodiesel (b) | **0.012** | **0.010** | **0.012** | **0.016** | *0.019* | *0.022* | *0.024* | *0.025* | *0.026* | *0.026* | *0.027* | *0.027* | **0.049** | *0.090* | *0.106* |
| Total Consumption | **1.803** | **1.979** | **1.820** | **1.853** | *1.912* | *2.135* | *1.919* | *1.823* | *1.981* | *2.154* | *1.979* | *1.944* | **7.455** | *7.788* | *8.057* |

- = 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 $CO_2$ Emissions**

Energy Information Administration/Short-Term Energy Outlook - February 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** | **13,399** | *13,514* | *13,610* | *13,683* | *13,788* | *13,860* | *13,963* | *14,084* | *14,225* | **13,253** | *13,649* | *14,033* |
| Real Disposable Personal Income | | | | | | | | | | | | | | | |
| (billion chained 2005 Dollars - SAAR) | **10,113** | **10,252** | **10,275** | **10,307** | *10,386* | *10,472* | *10,528* | *10,583* | *10,499* | *10,567* | *10,615* | *10,683* | **10,237** | *10,492* | *10,591* |
| Real Fixed Investment | | | | | | | | | | | | | | | |
| (billion chained 2005 dollars-SAAR) | **1,631** | **1,703** | **1,709** | **1,704** | *1,733* | *1,785* | *1,833* | *1,882* | *1,911* | *1,970* | *2,040* | *2,115* | **1,686** | *1,808* | *2,009* |
| Business Inventory Change | | | | | | | | | | | | | | | |
| (billion chained 2005 dollars-SAAR) | **21.04** | **-3.40** | **29.63** | **8.78** | *23.00* | *22.14* | *19.97* | *14.94* | *9.47* | *6.84* | *8.73* | *11.50* | **14.01** | *20.01* | *9.14* |
| Housing Stock | | | | | | | | | | | | | | | |
| (millions) | **123.5** | **123.6** | **123.6** | **123.5** | *123.5* | *123.6* | *123.6* | *123.6* | *123.6* | *123.7* | *123.8* | *123.9* | **123.5** | *123.6* | *123.9* |
| Non-Farm Employment | | | | | | | | | | | | | | | |
| (millions) | **129.7** | **130.4** | **130.3** | **130.6** | *131.0* | *131.6* | *132.3* | *132.9* | *133.5* | *134.1* | *134.8* | *135.6* | **130.3** | *132.0* | *134.5* |
| Commercial Employment | | | | | | | | | | | | | | | |
| (millions) | **87.6** | **87.9** | **88.1** | **88.5** | *89.0* | *89.5* | *90.1* | *90.7* | *91.2* | *91.7* | *92.2* | *92.7* | **88.0** | *89.8* | *91.9* |
| **Industrial Production Indices (Index, 2007=100)** | | | | | | | | | | | | | | | |
| Total Industrial Production | **90.6** | **92.2** | **93.6** | **94.0** | *94.9* | *95.5* | *96.3* | *97.0* | *97.7* | *98.5* | *99.5* | *100.6* | **92.6** | *95.9* | *99.1* |
| Manufacturing | **88.5** | **90.6** | **91.6** | **92.5** | *93.7* | *94.5* | *95.4* | *96.3* | *97.2* | *98.2* | *99.4* | *100.7* | **90.8** | *95.0* | *98.9* |
| Food | **100.9** | **102.2** | **104.5** | **105.2** | *105.6* | *105.9* | *106.4* | *106.9* | *107.5* | *108.0* | *108.6* | *109.1* | **103.2** | *106.2* | *108.3* |
| Paper | **88.3** | **88.9** | **88.4** | **89.0** | *89.7* | *90.3* | *91.0* | *91.7* | *92.4* | *93.1* | *93.9* | *94.8* | **88.6** | *90.7* | *93.5* |
| Chemicals | **94.6** | **93.5** | **93.7** | **94.8** | *95.1* | *95.4* | *95.9* | *96.5* | *97.1* | *97.7* | *98.6* | *99.3* | **94.2** | *95.7* | *98.2* |
| Petroleum | **91.9** | **97.5** | **98.8** | **97.4** | *97.5* | *97.7* | *97.9* | *98.1* | *98.3* | *98.5* | *98.8* | *99.2* | **96.4** | *97.8* | *98.7* |
| Stone, Clay, Glass | **71.9** | **75.6** | **76.4** | **77.3** | *76.8* | *76.8* | *77.3* | *78.4* | *79.8* | *81.4* | *83.3* | *84.9* | **75.3** | *77.3* | *82.4* |
| Primary Metals | **82.9** | **86.6** | **82.5** | **85.2** | *85.9* | *86.4* | *87.3* | *87.8* | *88.4* | *89.0* | *90.5* | *91.7* | **84.3** | *86.8* | *89.9* |
| Resins and Synthetic Products | **87.1** | **84.0** | **86.7** | **88.8** | *88.6* | *88.4* | *88.7* | *89.4* | *90.1* | *90.9* | *91.9* | *92.7* | **86.6** | *88.8* | *91.4* |
| Agricultural Chemicals | **95.1** | **90.3** | **90.0** | **93.3** | *94.1* | *94.6* | *95.0* | *95.4* | *95.6* | *95.7* | *96.2* | *96.6* | **92.2** | *94.8* | *96.0* |
| Natural Gas-weighted (a) | **88.9** | **90.1** | **90.7** | **92.0** | *92.3* | *92.5* | *92.9* | *93.5* | *94.1* | *94.6* | *95.5* | *96.3* | **90.4** | *92.8* | *95.1* |
| **Price Indexes** | | | | | | | | | | | | | | | |
| Consumer Price Index (all urban consumers) | | | | | | | | | | | | | | | |
| (index, 1982-1984=1.00) | **2.18** | **2.17** | **2.18** | **2.20** | *2.21* | *2.22* | *2.23* | *2.24* | *2.25* | *2.26* | *2.27* | *2.28* | **2.18** | *2.23* | *2.27* |
| Producer Price Index: All Commodities | | | | | | | | | | | | | | | |
| (index, 1982=1.00) | **1.85** | **1.82** | **1.82** | **1.89** | *1.91* | *1.89* | *1.91* | *1.93* | *1.93* | *1.93* | *1.95* | *1.96* | **1.85** | *1.91* | *1.94* |
| Producer Price Index: Petroleum | | | | | | | | | | | | | | | |
| (index, 1982=1.00) | **2.17** | **2.26** | **2.12** | **2.33** | *2.55* | *2.60* | *2.62* | *2.61* | *2.68* | *2.75* | *2.75* | *2.71* | **2.22** | *2.59* | *2.73* |
| GDP Implicit Price Deflator | | | | | | | | | | | | | | | |
| (index, 2005=100) | **110.0** | **110.5** | **111.1** | **111.1** | *111.6* | *111.7* | *112.1* | *112.5* | *112.9* | *113.2* | *113.6* | *114.0* | **110.6** | *112.0* | *113.4* |
| **Miscellaneous** | | | | | | | | | | | | | | | |
| Vehicle Miles Traveled (b) | | | | | | | | | | | | | | | |
| (million miles/day) | **7,662** | **8,569** | **8,537** | **8,106** | *7,827* | *8,628* | *8,538* | *8,155* | *7,908* | *8,682* | *8,593* | *8,226* | **8,221** | *8,288* | *8,353* |
| Air Travel Capacity | | | | | | | | | | | | | | | |
| (Available ton-miles/day, thousands) | **491** | **530** | **543** | **513** | *492* | *529* | *553* | *522* | *501* | *540* | *563* | *533* | **519** | *524* | *535* |
| Aircraft Utilization | | | | | | | | | | | | | | | |
| (Revenue ton-miles/day, thousands) | **293** | **330** | **340** | **318** | *297* | *328* | *346* | *324* | *307* | *342* | *360* | *340* | **320** | *324* | *337* |
| Airline Ticket Price Index | | | | | | | | | | | | | | | |
| (index, 1982-1984=100) | **266.4** | **282.0** | **282.2** | **282.2** | *278.4* | *293.5* | *311.4* | *306.4* | *287.7* | *294.5* | *302.4* | *293.1* | **278.2** | *297.4* | *294.4* |
| Raw Steel Production | | | | | | | | | | | | | | | |
| (million short tons per day) | **0.234** | **0.253** | **0.245** | **0.237** | *0.257* | *0.264* | *0.257* | *0.242* | *0.247* | *0.262* | *0.258* | *0.246* | **0.242** | *0.255* | *0.253* |
| **Carbon Dioxide ($CO_2$) Emissions (million metric tons)** | | | | | | | | | | | | | | | |
| Petroleum | **569** | **586** | **600** | **589** | *584* | *590* | *596* | *596* | *592* | *594* | *600* | *600* | **2,344** | *2,366* | *2,386* |
| Natural Gas | **401** | **263** | **284** | **338** | *398* | *265* | *279* | *344* | *400* | *270* | *285* | *348* | **1,286** | *1,287* | *1,303* |
| Coal | **499** | **467** | **540** | **473** | *498* | *449* | *525* | *493* | *526* | *469* | *543* | *503* | **1,979** | *1,964* | *2,040* |
| Total Fossil Fuels | **1,469** | **1,316** | **1,424** | **1,400** | *1,480* | *1,305* | *1,400* | *1,433* | *1,518* | *1,332* | *1,428* | *1,452* | **5,609** | *5,617* | *5,729* |

- = 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 - February 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** | **725** | **731** | *737* | *741* | *745* | *750* | *752* | *757* | *763* | *769* | **723** | *743* | *760* |
| Middle Atlantic | **1,937** | **1,944** | **1,952** | **1,969** | *1,986* | *2,000* | *2,009* | *2,024* | *2,033* | *2,046* | *2,061* | *2,080* | **1,951** | *2,005* | *2,055* |
| E. N. Central | **1,820** | **1,827** | **1,836** | **1,851** | *1,866* | *1,876* | *1,884* | *1,899* | *1,908* | *1,920* | *1,934* | *1,949* | **1,834** | *1,881* | *1,927* |
| W. N. Central | **861** | **865** | **871** | **878** | *884* | *890* | *894* | *900* | *904* | *910* | *918* | *926* | **869** | *892* | *914* |
| S. Atlantic | **2,401** | **2,411** | **2,427** | **2,452** | *2,474* | *2,493* | *2,507* | *2,527* | *2,542* | *2,562* | *2,586* | *2,615* | **2,423** | *2,500* | *2,576* |
| E. S. Central | **616** | **617** | **621** | **626** | *632* | *636* | *639* | *644* | *647* | *653* | *659* | *665* | **620** | *638* | *656* |
| W. S. Central | **1,508** | **1,520** | **1,534** | **1,548** | *1,564* | *1,577* | *1,587* | *1,601* | *1,613* | *1,628* | *1,645* | *1,663* | **1,527** | *1,582* | *1,637* |
| Mountain | **875** | **878** | **884** | **893** | *901* | *908* | *913* | *920* | *926* | *933* | *942* | *951* | **882** | *910* | *938* |
| Pacific | **2,343** | **2,353** | **2,368** | **2,390** | *2,410* | *2,428* | *2,442* | *2,460* | *2,472* | *2,490* | *2,513* | *2,542* | **2,363** | *2,435* | *2,505* |
| **Industrial Output, Manufacturing (Index, Year 2007=100)** | | | | | | | | | | | | | | | |
| New England | **91.0** | **93.2** | **94.2** | **94.6** | *95.7* | *96.2* | *97.0* | *97.6* | *98.2* | *99.0* | *100.0* | *101.1* | **93.3** | *96.6* | *99.6* |
| Middle Atlantic | **89.0** | **91.0** | **91.9** | **92.9** | *94.0* | *94.8* | *95.7* | *96.4* | *97.0* | *97.8* | *98.9* | *100.0* | **91.2** | *95.2* | *98.4* |
| E. N. Central | **85.0** | **87.7** | **88.9** | **89.4** | *90.4* | *91.2* | *92.0* | *92.7* | *93.6* | *94.5* | *95.6* | *96.9* | **87.7** | *91.6* | *95.2* |
| W. N. Central | **91.5** | **94.1** | **95.5** | **96.6** | *97.9* | *98.7* | *99.6* | *100.4* | *101.3* | *102.4* | *103.7* | *105.1* | **94.4** | *99.1* | *103.1* |
| S. Atlantic | **85.8** | **87.4** | **88.1** | **88.7** | *89.7* | *90.4* | *91.2* | *91.9* | *92.7* | *93.6* | *94.8* | *96.0* | **87.5** | *90.8* | *94.3* |
| E. S. Central | **85.7** | **87.8** | **88.8** | **89.9** | *91.0* | *92.0* | *93.0* | *94.2* | *95.3* | *96.6* | *98.1* | *99.6* | **88.0** | *92.5* | *97.4* |
| W. S. Central | **92.1** | **94.8** | **96.6** | **97.7** | *99.0* | *99.9* | *101.0* | *102.1* | *103.3* | *104.5* | *105.9* | *107.3* | **95.3** | *100.5* | *105.2* |
| Mountain | **87.5** | **89.7** | **90.7** | **91.6** | *92.8* | *93.7* | *94.7* | *95.5* | *96.5* | *97.6* | *98.9* | *100.3* | **89.9** | *94.2* | *98.3* |
| Pacific | **90.6** | **92.0** | **92.5** | **93.5** | *94.8* | *95.7* | *96.8* | *97.7* | *98.7* | *99.8* | *101.0* | *102.3* | **92.1** | *96.3* | *100.4* |
| **Real Personal Income (Billion $2005)** | | | | | | | | | | | | | | | |
| New England | **631** | **639** | **642** | **644** | *651* | *656* | *659* | *663* | *659* | *663* | *667* | *672* | **639** | *657* | *665* |
| Middle Atlantic | **1,696** | **1,717** | **1,724** | **1,728** | *1,748* | *1,762* | *1,773* | *1,783* | *1,776* | *1,790* | *1,802* | *1,816* | **1,716** | *1,766* | *1,796* |
| E. N. Central | **1,569** | **1,590** | **1,595** | **1,600** | *1,618* | *1,630* | *1,637* | *1,644* | *1,634* | *1,644* | *1,653* | *1,665* | **1,588** | *1,633* | *1,649* |
| W. N. Central | **718** | **728** | **733** | **738** | *747* | *753* | *756* | *758* | *755* | *760* | *764* | *769* | **729** | *754* | *762* |
| S. Atlantic | **2,091** | **2,119** | **2,128** | **2,138** | *2,166* | *2,185* | *2,200* | *2,214* | *2,209* | *2,226* | *2,242* | *2,262* | **2,119** | *2,191* | *2,235* |
| E. S. Central | **553** | **561** | **564** | **566** | *573* | *577* | *581* | *584* | *581* | *585* | *589* | *594* | **561** | *579* | *587* |
| W. S. Central | **1,238** | **1,260** | **1,270** | **1,276** | *1,294* | *1,308* | *1,318* | *1,328* | *1,325* | *1,337* | *1,349* | *1,362* | **1,261** | *1,312* | *1,343* |
| Mountain | **722** | **732** | **735** | **738** | *747* | *754* | *759* | *765* | *762* | *769* | *775* | *783* | **732** | *756* | *773* |
| Pacific | **1,908** | **1,931** | **1,936** | **1,944** | *1,968* | *1,987* | *2,000* | *2,013* | *2,006* | *2,022* | *2,037* | *2,056* | **1,930** | *1,992* | *2,030* |
| **Households (Thousands)** | | | | | | | | | | | | | | | |
| New England | **5,499** | **5,499** | **5,499** | **5,498** | *5,498* | *5,500* | *5,504* | *5,510* | *5,519* | *5,529* | *5,541* | *5,556* | **5,498** | *5,510* | *5,556* |
| Middle Atlantic | **15,219** | **15,212** | **15,227** | **15,233** | *15,243* | *15,261* | *15,280* | *15,300* | *15,320* | *15,344* | *15,373* | *15,404* | **15,233** | *15,300* | *15,404* |
| E. N. Central | **17,735** | **17,730** | **17,716** | **17,703** | *17,698* | *17,705* | *17,715* | *17,724* | *17,746* | *17,782* | *17,824* | *17,872* | **17,703** | *17,724* | *17,872* |
| W. N. Central | **8,062** | **8,065** | **8,073** | **8,079** | *8,088* | *8,102* | *8,118* | *8,137* | *8,160* | *8,185* | *8,212* | *8,241* | **8,079** | *8,137* | *8,241* |
| S. Atlantic | **22,251** | **22,287** | **22,306** | **22,323** | *22,347* | *22,391* | *22,437* | *22,488* | *22,551* | *22,626* | *22,715* | *22,815* | **22,323** | *22,488* | *22,815* |
| E. S. Central | **7,098** | **7,104** | **7,110** | **7,112** | *7,116* | *7,124* | *7,135* | *7,158* | *7,176* | *7,197* | *7,221* | *7,248* | **7,112** | *7,158* | *7,248* |
| W. S. Central | **12,839** | **12,868** | **12,892** | **12,916** | *12,941* | *12,977* | *13,019* | *13,067* | *13,123* | *13,180* | *13,241* | *13,304* | **12,916** | *13,067* | *13,304* |
| Mountain | **7,933** | **7,952** | **7,974** | **7,994** | *8,014* | *8,042* | *8,070* | *8,103* | *8,143* | *8,185* | *8,229* | *8,277* | **7,994** | *8,103* | *8,277* |
| Pacific | **16,948** | **16,968** | **16,995** | **17,029** | *17,053* | *17,091* | *17,130* | *17,178* | *17,235* | *17,299* | *17,369* | *17,438* | **17,029** | *17,178* | *17,438* |
| **Total Non-farm Employment (Millions)** | | | | | | | | | | | | | | | |
| New England | **6.7** | **6.8** | **6.8** | **6.8** | *6.8* | *6.8* | *6.8* | *6.9* | *6.9* | *6.9* | *6.9* | *7.0* | **6.8** | *6.8* | *6.9* |
| Middle Atlantic | **17.9** | **18.0** | **18.0** | **18.0** | *18.1* | *18.1* | *18.2* | *18.3* | *18.4* | *18.4* | *18.5* | *18.6* | **18.0** | *18.2* | *18.5* |
| E. N. Central | **19.9** | **20.1** | **20.0** | **20.1** | *20.1* | *20.2* | *20.3* | *20.4* | *20.4* | *20.5* | *20.6* | *20.7* | **20.0** | *20.2* | *20.6* |
| W. N. Central | **9.8** | **9.9** | **9.9** | **9.9** | *9.9* | *10.0* | *10.0* | *10.1* | *10.1* | *10.1* | *10.2* | *10.2* | **9.9** | *10.0* | *10.2* |
| S. Atlantic | **24.7** | **24.9** | **24.9** | **24.9** | *25.0* | *25.1* | *25.2* | *25.4* | *25.5* | *25.6* | *25.8* | *25.9* | **24.8** | *25.2* | *25.7* |
| E. S. Central | **7.3** | **7.4** | **7.3** | **7.4** | *7.4* | *7.4* | *7.4* | *7.5* | *7.5* | *7.6* | *7.6* | *7.6* | **7.3** | *7.4* | *7.6* |
| W. S. Central | **14.8** | **15.0** | **15.0** | **15.0** | *15.1* | *15.2* | *15.3* | *15.4* | *15.5* | *15.6* | *15.6* | *15.7* | **15.0** | *15.2* | *15.6* |
| Mountain | **9.0** | **9.1** | **9.0** | **9.1** | *9.1* | *9.2* | *9.2* | *9.3* | *9.3* | *9.4* | *9.4* | *9.5* | **9.0** | *9.2* | *9.4* |
| Pacific | **19.2** | **19.2** | **19.2** | **19.2** | *19.3* | *19.4* | *19.5* | *19.6* | *19.7* | *19.8* | *19.9* | *20.0* | **19.2** | *19.4* | *19.9* |

- = 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 - February 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** | *3,280* | *930* | *188* | *2,258* | *3,255* | *920* | *190* | *2,252* | **5,982** | *6,656* | *6,617* |
| Middle Atlantic | **2,805** | **477** | **61** | **2,085** | *3,049* | *752* | *127* | *2,059* | *2,999* | *744* | *126* | *2,045* | **5,428** | *5,987* | *5,914* |
| E. N. Central | **3,217** | **523** | **134** | **2,353** | *3,297* | *798* | *156* | *2,302* | *3,186* | *776* | *158* | *2,299* | **6,228** | *6,553* | *6,419* |
| W. N. Central | **3,475** | **536** | **153** | **2,434** | *3,411* | *730* | *183* | *2,504* | *3,332* | *723* | *179* | *2,495* | **6,598** | *6,828* | *6,730* |
| South Atlantic | **1,804** | **144** | **6** | **1,243** | *1,606* | *244* | *25* | *1,058* | *1,540* | *246* | *23* | *1,040* | **3,197** | *2,933* | *2,849* |
| E. S. Central | **2,297** | **169** | **19** | **1,487** | *2,009* | *291* | *33* | *1,376* | *1,912* | *300* | *32* | *1,359* | **3,973** | *3,709* | *3,603* |
| W. S. Central | **1,608** | **79** | **6** | **832** | *1,243* | *96* | *9* | *894* | *1,276* | *113* | *7* | *878* | **2,525** | *2,242* | *2,275* |
| Mountain | **2,313** | **780** | **84** | **1,768** | *2,265* | *718* | *173* | *1,945* | *2,340* | *729* | *171* | *1,940* | **4,945** | *5,101* | *5,180* |
| Pacific | **1,312** | **678** | **71** | **1,122** | *1,403* | *566* | *106* | *1,145* | *1,434* | *540* | *94* | *1,118* | **3,183** | *3,220* | *3,187* |
| U.S. Average | **2,311** | **422** | **68** | **1,659** | *2,285* | *540* | *100* | *1,632* | *2,250* | *534* | *98* | *1,618* | **4,460** | *4,557* | *4,500* |
| **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* | *69* | *348* | *0* | *0* | *87* | *366* | *1* | **683** | *417* | *454* |
| Middle Atlantic | **0** | **261** | **714** | **1** | *0* | *140* | *511* | *5* | *0* | *159* | *510* | *5* | **976** | *656* | *673* |
| E. N. Central | **0** | **282** | **693** | **4** | *1* | *197* | *502* | *8* | *1* | *214* | *520* | *8* | **980** | *708* | *743* |
| W. N. Central | **1** | **320** | **769** | **3** | *3* | *263* | *650* | *12* | *3* | *269* | *659* | *15* | **1,093** | *928* | *946* |
| South Atlantic | **34** | **772** | **1,310** | **162** | *93* | *574* | *1,084* | *209* | *114* | *588* | *1,107* | *223* | **2,278** | *1,960* | *2,032* |
| E. S. Central | **8** | **679** | **1,280** | **37** | *24* | *468* | *1,000* | *62* | *31* | *473* | *1,012* | *66* | **2,005** | *1,554* | *1,581* |
| W. S. Central | **27** | **950** | **1,586** | **198** | *78* | *810* | *1,421* | *175* | *81* | *793* | *1,443* | *190* | **2,761** | *2,484* | *2,506* |
| Mountain | **11** | **370** | **924** | **72** | *14* | *390* | *849* | *66* | *14* | *386* | *867* | *78* | **1,377** | *1,319* | *1,345* |
| Pacific | **7** | **120** | **548** | **55** | *5* | *151* | *514* | *41* | *7* | *170* | *552* | *55* | **730** | *711* | *784* |
| U.S. Average | **12** | **445** | **937** | **73** | *31* | *348* | *772* | *77* | *35* | *358* | *790* | *83* | **1,467** | *1,228* | *1,266* |
| **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.