



Short-Term Energy Outlook

Highlights

- West Texas Intermediate (WTI) crude oil spot prices averaged more than \$100 per barrel over the first 4 months of 2012. The WTI spot price then fell from \$106 per barrel on May 1 to \$83 per barrel on June 1, reflecting market concerns about world economic and oil demand growth. EIA projects the price of WTI crude oil to average about \$95 per barrel over the second half of 2012 and the U.S. refiner acquisition cost of crude (RAC) to average \$100 per barrel, both almost \$11 per barrel lower than last month's *Outlook*. EIA expects crude oil prices to remain relatively flat in 2013. This forecast rests on the assumption that U.S. real gross domestic product (GDP) grows by 2.2 percent this year and 2.4 percent next year, while world oil-consumption-weighted real GDP grows by 3.1 percent and 3.5 percent in 2012 and 2013, respectively. The recent economic and financial news that points towards weaker economic outlooks could lead to lower economic growth forecasts and further downward revisions to EIA's crude oil price forecasts.
- EIA has lowered the average regular gasoline retail price forecast for the 2012 April-through-September summer driving season to \$3.60 per gallon from \$3.79 per gallon in last month's *Outlook*. EIA expects regular gasoline retail prices, which averaged \$3.53 per gallon in 2011, to average \$3.56 per gallon in 2012 and \$3.51 per gallon in 2013.
- EIA expects U.S. total crude oil production to average 6.3 million barrels per day (bbl/d) in 2012, an increase of 0.6 million bbl/d from last year, and the highest level of production since 1997. Projected U.S. domestic crude oil production increases to 6.7 million bbl/d in 2013.
- Natural gas working inventories ended May 2012 at an estimated 2.9 trillion cubic feet (Tcf), about 31 percent above the same time last year. EIA's average 2012 Henry Hub natural gas spot price forecast is \$2.55 per million British thermal units (MMBtu), which is \$0.10 per MMBtu higher than last month's *Outlook*. EIA expects that Henry Hub spot prices will average \$3.23 per MMBtu in 2013.
- Based on the outlook from the National Oceanic and Atmospheric Administration for the current Atlantic hurricane season, EIA estimates median outcomes for total shut-in production in the Federal Gulf of Mexico (GOM) during the upcoming hurricane season

(June through November) of about 4.5 million barrels of crude oil and 9.5 billion cubic feet (Bcf) of natural gas (see [2012 Outlook for Hurricane-Related Production Outages in the Gulf of Mexico](#)). Actual shut-ins are likely to differ significantly from this estimate depending on the number, track, and strength of hurricanes as the season progresses.

Global Crude Oil and Liquid Fuels

Global Crude Oil and Liquid Fuels Overview. Global oil markets have loosened in recent months, as world oil production outpaced consumption by 0.7 million bbl/d in the first quarter of 2012, and is forecast to exceed it by 1.2 million bbl/d in the second quarter. The oil production gains contributed to a counter-seasonal stock build during the first quarter of 2012, following the significant stock draws during 2011. Industry analysts have attributed some of the recent decline in oil prices to poor economic indicators for Europe, China, and the United States, in addition to reduced market anxiety over current and potential supply disruptions. Although EIA's economic growth assumptions are unchanged from last month, the crude oil price forecast has been lowered because of upward revisions to current and forecasted supply, primarily from countries outside of the Organization of the Petroleum Exporting Countries (OPEC), and to reflect changes in the relative strength of the upside and downside risks buffeting oil markets.

Despite the recent fall in crude oil prices, EIA expects that the average crude oil price in 2012 will be higher than in 2011. EIA expects the world oil market will tighten moderately in the third quarter of 2012 as world demand reaches its seasonal peak and total consumption exceeds production by about 0.7 million bbl/d. Additionally, spare production capacity levels are projected to be low enough to support a recovery in crude oil prices from current levels.

There are several uncertainties that could push oil prices higher or lower than projected. A number of non-OPEC countries continue to experience large and persistent supply disruptions. Oil prices could be higher than projected in this *Outlook* if recoveries from supply disruptions are slower than forecast, additional disruptions occur, or supply growth is lower than expected. Additionally, the effects of the impending European Union embargo and other sanctions targeting exports of Iranian crude oil and their associated payments are still uncertain. Some industry analysts believe that optimism about recent negotiations between Iran and its counterparts in the West has helped to ease prices in recent months, even though the outcome remains uncertain. EIA's projected oil market balance reflects the impacts from previous sanctions against Iran.

On the demand side, the recent negative economic news on Europe poses a risk to global economic growth. In the current *Outlook*, consumption in Europe is expected to fall year-over-year by 340 thousand bbl/d in 2012 and by a further 230 thousand bbl/d in 2013. If the economic situation in European Union countries deteriorates, then global economic growth could fall below current expectations and result in reduced oil demand and lower prices. Slower growth in China could also curb demand. EIA currently projects annual increases in

consumption in China of about 0.4 million bbl/d in both 2012 and 2013. Recent economic indicators point to some weakness in China's economic outlook.

Global Crude Oil and Liquid Fuels Consumption. World liquid fuels consumption grew by an estimated 0.8 million bbl/d in 2011. EIA expects consumption growth of 0.8 million bbl/d in 2012 and 1.1 million bbl/d in 2013, with China, the Middle East, Central and South America, and other countries outside of the Organization for Economic Cooperation and Development (OECD) accounting for essentially all consumption growth (World Liquid Fuels Consumption Chart). Projected OECD liquid fuels consumption declines by 0.4 million bbl/d in 2012. In 2013, forecast OECD liquid fuels consumption remains essentially flat, with consumption growth in the United States offsetting some of the decline in Europe.

Non-OPEC Supply. EIA expects non-OPEC crude oil and liquid fuels production to rise by 0.8 million bbl/d in 2012 and by a further 1.2 million bbl/d in 2013. The largest area of non-OPEC growth is North America, where production increases by 890 thousand bbl/d and 470 thousand bbl/d in 2012 and 2013, respectively, resulting from continued production growth from U.S. onshore shale and other tight oil formations and Canadian oil sands. In Brazil, output is projected to rise by 20 thousand bbl/d in 2012 and 120 thousand bbl/d in 2013, with increased output from its offshore, pre-salt oil fields. EIA expects that Kazakhstan, which will commence commercial production in the Kashagan field next year, will increase its total production by 160 thousand bbl/d in 2013. Forecast production also rises in China, Russia, and Colombia over the next two years, while production declines in Mexico and the North Sea.

Several notable disruptions to non-OPEC production continue to persist in Sudan and South Sudan, Yemen, Syria, and the North Sea; however, unplanned outages have since abated from their highest level of 1.3 million bbl/d in March 2012 to about 900 thousand bbl/d in May 2012. The reduction is largely due to the completion of unplanned maintenance on three of Canada's largest oil sands operations, although some planned maintenance is still underway. In the former Sudan, an unresolved dispute between Sudan and South Sudan over transit fees and other issues caused the latter to shut in all of its production at the end of January. In April, the dispute intensified as military clashes along the poorly defined border resulted in damages to the Heglig oil field. This led to the temporary shut-in of half of Sudan's remaining production of almost 110 thousand bbl/d for most of April, but the field is reported to be back online and operating at partial capacity. EIA projects that total production from Sudan and South Sudan, which averaged about 460 thousand bbl/d in 2011, will average 130 thousand bbl/d in 2012 and recover to 360 thousand bbl/d in 2013 ([Sudan and South Sudan Country Analysis Brief](#)).

In Yemen and Syria, internal conflicts continue to compromise a considerable portion of each country's oil output. Yemen's production is still impaired by an ongoing outage to the Marib pipeline. EIA projects that Yemen's production will average 150 thousand bbl/d over the next two years, down from the country's pre-crisis production level of around 260 thousand bbl/d ([Yemen Country Analysis Brief](#)). EIA expects Syria, which is subject to sanctions on its crude oil

exports, to produce 240 thousand bbl/d in 2012 and 340 thousand bbl/d in 2013, below the country's pre-crisis production level of 400 thousand bbl/d.

OPEC Supply. EIA expects that OPEC members will continue to produce more than 30 million bbl/d of crude oil over the next two years to accommodate the projected increase in world oil demand and to counterbalance supply disruptions. Projected OPEC crude oil production increases by about 0.9 million bbl/d in 2012, and then falls by 0.5 million bbl/d in 2013, as non-OPEC supply growth increases and stocks remain flat. OPEC non-crude petroleum liquids (condensates, natural gas liquids, and gas-to-liquids), which are not covered by OPEC's production quotas, averaged 5.3 million bbl/d in 2011 and are forecast to increase by 0.4 million bbl/d in 2012 and by 0.1 million bbl/d in 2013.

EIA expects Iran's crude oil production to fall by about 850 thousand bbl/d by the end of 2012, and by an additional 200 thousand bbl/d in 2013, from its previous output level of 3.55 million bbl/d at the end of 2011. Iran's output decline began to accelerate during the last quarter of 2011 and has continued. EIA believes that this acceleration reflects a lack of investment, which is needed to offset natural production declines. A number of foreign companies that were investing in Iran's upstream have halted their activities as a result of previous sanctions against Iran that have made it difficult to do business with the country. EIA expects that the forecast decline in Iran's output will be offset by increased production in other OPEC member countries.

EIA's forecast of market balances does not factor in any potential effects of the more recent sanctions targeting Iran's central bank and the impending European Union embargo on Iran's crude oil production, or their possible impact on the production, spare capacity, or inventories of Iran and other OPEC member countries. As noted in EIA's April 27, 2012 report, [*The Availability and Price of Petroleum and Petroleum Products Produced in Countries Other Than Iran*](#), there are indications that U.S. and European Union sanctions are already affecting sales of Iranian crude oil. Current and continuing difficulties in placing export volumes from Iran could result in a buildup of Iranian oil in storage, whether onshore or offshore. An increase in Iranian crude oil storage would drive an increase in global oil inventories. However, insofar as inventories held by Iran are building due to the effect of sanctions on its ability to sell oil, those volumes would not be available to consumers in the same way as traditional inventories.

Moreover, if Iran's difficulties in finding markets for its oil outstrip available storage capacity, Iran may have to shut in production. EIA expects that any volumes that are shut in could be replaced by increased production from spare capacity held by other OPEC member countries. In such a scenario, the shut-in production capacity in Iran may technically be counted as new spare capacity, but—like inventories that accumulate for similar reasons—would not be readily available to alleviate market tightness in the same manner as regular spare capacity not forced by sanctions.

OPEC members serve as the swing producers in the world market because only OPEC producers possess surplus or spare oil production capacity, with most of this in Saudi Arabia. EIA projects

that OPEC surplus production capacity will average 2.5 million bbl/d in 2012 and rise to an average 3.4 million bbl/d in 2013 (OPEC Surplus Crude Oil Production Capacity Chart). However, as discussed above, markets may be closely watching the composition of OPEC spare capacity, as well as its aggregate level, as the situation with respect to Iran evolves. Under plausible circumstances, the market may discount a portion of OPEC members' aggregate spare capacity.

OECD Petroleum Inventories. EIA estimates that OECD commercial oil inventories ended 2011 at 2.59 billion barrels, equivalent to 55.9 days of forward-cover (Days of Supply of OECD Commercial Stocks Chart). Projected OECD oil inventories increase to 2.65 billion barrels and 57.7 days of forward-cover by the end of 2012, which would be the highest end-of-year level in nearly 15 years, because of the decline in OECD consumption.

Crude Oil Prices. EIA has lowered the forecast 2012 average U.S. refiner acquisition cost of crude oil by almost \$8 per barrel from last month's *Outlook* to \$102 per barrel, the same as the 2011 average price. EIA expects the price of WTI crude oil to average about \$97 per barrel in 2012, about \$7 per barrel lower than last month's *Outlook*, but \$2 per barrel higher than the 2011 average price. EIA expects crude oil prices to remain relatively flat in 2013, with WTI and the U.S. refiner acquisition cost of crude oil averaging about \$97 per barrel and \$102 per barrel, respectively (West Texas Intermediate Crude Oil Price Chart).

Energy price forecasts are highly uncertain ([Market Prices and Uncertainty Report](#)). WTI futures for September 2012 delivery during the 5-day period ending June 7, 2012 averaged \$85 per barrel. Implied volatility averaged 35 percent, establishing the lower and upper limits of the 95-percent confidence interval for the market's expectations of monthly average WTI prices in September 2012 at \$63 per barrel and \$115 per barrel, respectively. Last year at this time, WTI for September 2011 delivery averaged \$102 per barrel and implied volatility averaged 30 percent. The corresponding lower and upper limits of the 95-percent confidence interval were \$78 per barrel and \$134 per barrel.

U.S. Crude Oil and Liquid Fuels

U.S. Liquid Fuels Consumption. Total consumption fell 340 thousand bbl/d (1.8 percent) last year. Motor gasoline consumption accounted for the bulk of that decline, shrinking by 260 thousand bbl/d (2.9 percent). In 2012, total consumption falls by a more moderate 70 thousand bbl/d (0.4 percent). In the first quarter, total consumption fell 700 thousand bbl/d (3.7 percent) from the same period last year (U.S. Liquid Fuels Consumption Chart) as high prices and record warm weather depressed consumption. For the second half of 2012, EIA expects a year-over-year increase of 230 thousand bbl/d (1.2 percent) in liquid fuels consumption. The bulk of that increase comes from distillate fuel because of projected economic growth and near-normal winter weather.

In 2013, total liquid fuels consumption grows by 120 thousand bbl/d (0.6 percent). Despite assumed growth in U.S. real disposable income of 1.8 percent next year, forecast motor gasoline consumption declines by a further 30 thousand bbl/d (0.4 percent) in 2013. This projection reflects continued slow growth in the driving-age population, an acceleration of the improvement in average fuel economy of new vehicles, and increased rates of retirement of older vehicles. However, consumption of all of the other fuels categories rises, led by a 90-thousand-bbl/d (2.3-percent) increase in distillate fuel consumption.

U.S. Liquid Fuels Supply and Imports. Domestic crude oil production increased by an estimated 200 thousand bbl/d (3.6 percent) to 5.67 million bbl/d in 2011. Forecast U.S. total crude oil production increases to 6.32 million bbl/d in 2012, an upward revision of 150 thousand bbl/d from last month's *Outlook*, and the highest annual level of production since 1997. Forecast lower-48 onshore crude oil production grows by a robust 660 thousand bbl/d in 2012, GOM output stabilizes after having fallen last year, but Alaskan output continues to decline by 30 thousand bbl/d (U.S. Crude Oil and Liquid Fuels Production Chart). In 2013, total crude oil output rises a further 400 thousand bbl/d, most of which is accounted for by increases in lower-48 onshore production. The projected increases in lower-48 onshore production is driven by increased oil-directed drilling activity, particularly in onshore tight oil formations. The number of onshore oil-directed drilling rigs reported by Baker Hughes has increased from 777 at the beginning of 2011 to 1,386 on June 1, 2012.

Based on the outlook from the National Oceanic and Atmospheric Administration for the current Atlantic hurricane season, EIA estimates a 70-percent probability that total shut-in crude oil production in the GOM during the upcoming hurricane season (June through November) will fall somewhere between 2.8 and 7.2 million barrels, with a median outcome of 4.5 million barrels (an average 25 thousand bbl/d over the 6 months). There is a wide range of uncertainty around this forecast (see the [2012 Outlook for Hurricane-Related Production Outages in the Gulf of Mexico](#)). The bulk of outages are expected during the late summer and early fall months of August, September, and October.

The share of total U.S. consumption met by total liquid fuel net imports (including both crude oil and products) has been falling since peaking at over 60 percent in 2005, and averaged 45 percent in 2011, down from 49 percent in 2010. EIA expects that the total net import share of consumption will continue to decline to 42 percent in 2012 and to 40 percent in 2013 as a result of the substantial increases in domestic crude oil production.

U.S. Petroleum Product Prices. As a result of higher crude oil costs, monthly average regular-grade gasoline prices peaked at \$3.90 per gallon in April 2012 compared with an average of \$3.53 per gallon in 2011. Due to the sharp decline in crude oil prices throughout May, EIA expects the regular gasoline retail prices during the summer season (April through September) to average \$3.60 per gallon in 2012, compared with \$3.79 per gallon in last month's *Outlook*. EIA expects regular gasoline retail prices to average \$3.56 per gallon in 2012 and \$3.51 per gallon in 2013.

EIA expects that on-highway diesel fuel retail prices, which averaged \$3.84 per gallon in 2011, will average \$3.90 per gallon in 2012, down 16 cents per gallon from last month's *Outlook*. In 2013, diesel fuel retail prices are projected to decline slightly to an average \$3.87 per gallon (U.S. Diesel Fuel and Crude Oil Prices Chart).

EIA expects wholesale gasoline margins (the difference between the wholesale price of gasoline and the refiner acquisition cost of crude oil) will average 44 cents per gallon and 41 cents per gallon in 2012 and 2013, respectively, slightly higher than the previous 5-year average of 40 cents per gallon. In contrast, wholesale diesel margins are robust during the forecast interval due to strong world-wide demand for the fuel. In 2012, those margins average 63 cents per gallon, 2 cents higher than the 2011 average and higher than the previous 5-year average of 52 cents per gallon. The diesel wholesale margin for 2013 falls slightly, averaging 61 cents per gallon.

Natural Gas

U.S. Natural Gas Consumption. EIA expects that natural gas consumption will average 69.5 billion cubic feet per day (Bcf/d) in 2012, an increase of 2.7 Bcf/d (4.1 percent) from 2011 and a downward revision of 0.7 Bcf/d from last month's *Outlook*. This month's *Outlook* revises downward the forecast for residential and commercial consumption to reflect a decline in total projected 2012 heating degree-days as reported by the National Oceanic and Atmospheric Administration. EIA expects that large gains in electric power use will offset declines in residential and commercial use.

Projected consumption of natural gas in the electric power sector grows by nearly 20 percent in 2012, primarily driven by the increased relative cost advantages of natural gas over coal for power generation in some regions. Consumption in the electric power sector peaks in the third quarter of 2012, at 30.2 Bcf/d, when electricity demand for air conditioning is highest. This compares with 27.7 Bcf/d during the third quarter of 2011.

Growth in total natural gas consumption slows in 2013, with forecast consumption averaging 71.3 Bcf/d (U.S. Natural Gas Consumption Chart). However, unlike 2012, growth in 2013 is driven by consumption increases from the residential, commercial, and industrial sectors. A forecast of closer-to-normal winter temperatures drives increases in residential and commercial consumption in 2013 of 7.4 percent and 5.7 percent, respectively. Power-sector gas burn remains at historically high levels with little change from 2012 levels.

U.S. Natural Gas Production and Imports. Total marketed production of natural gas grew by 4.8 Bcf/d (7.9 percent) in 2011. This strong growth was driven in large part by increases in shale gas production. While EIA expects year-over-year production growth to continue in 2012, the projected increases occur at a slower rate than in 2011, as low prices reduce new drilling plans

(U.S. Natural Gas Production and Imports Chart). According to Baker Hughes, the natural gas rig count was 588 as of June 1, 2012, down from a 2011 high of 936 in mid-October, making it the lowest rig count since 1999. EIA's production survey indicates natural gas marketed production fell by 0.25 Bcf/d from February 2012 to March 2012, and February 2012 production was revised downward from previous estimates. EIA expects mostly flat production through the fall, but overall 2012 production still averages 2.3 Bcf/d (3.4 percent) above 2011 levels. Declining production from less-profitable "dry" natural gas plays such as the Haynesville Shale are offset by growth in production from liquids-rich natural gas production areas such as the Eagle Ford and wet areas of the Marcellus Shale, and associated gas from the growth in domestic crude oil production.

Based on the outlook from National Oceanic and Atmospheric Administration for the current Atlantic hurricane season, EIA estimates a 70-percent probability that total shut-in natural gas production in the GOM during the upcoming hurricane season (June through November) will fall somewhere between 5.8 and 16.2 Bcf, with a median outcome of 9.5 Bcf (an average of 0.05 Bcf/d over the 6 months). There is a wide range of uncertainty around this forecast (see the [2012 Outlook for Hurricane-Related Production Outages in the Gulf of Mexico](#)). The bulk of outages are expected during the late summer and early fall months of August, September, and October.

EIA expects pipeline gross imports will fall by 0.4 Bcf/d (4.3 percent) in 2012, as domestic supply displaces Canadian sources. The warm winter in the United States also added to the year-over-year decline in imports, particularly to the Northeast, where imported natural gas can serve as additional supply in times of very cold weather. EIA expects pipeline gross imports will increase by 4.8 percent in 2013, partially due to near-normal winter weather driving higher residential and commercial demand. Additionally, EIA expects increased pipeline imports to help meet continued high demand for natural gas for electric power generation. Pipeline gross exports grew by 1.0 Bcf/d (33 percent) in 2011, driven by increased exports to Mexico, but are expected to remain flat in 2012 and grow by 0.2 Bcf/d in 2013.

Liquefied natural gas (LNG) imports are expected to fall by 0.3 Bcf/d (33 percent) in 2012. EIA expects that an average of less than 0.7 Bcf/d will arrive in the United States (mainly at the Everett LNG terminal in New England and the Elba Island terminal in Georgia) in 2012 and 2013, either to fulfill long-term contract obligations or to take advantage of temporarily high local prices due to cold snaps and disruptions.

U.S. Natural Gas Inventories. Working natural gas inventories continue to remain at high levels, although the surplus relative to last year's level and the five-year average (2007-2011) level has eroded in the past month. As of June 1, 2012, according to EIA's [Weekly Natural Gas Storage Report](#), working inventories totaled 2,877 Bcf, 713 Bcf greater than last year's level and 687 Bcf above the five-year average. EIA expects that inventory levels at the end of October 2012 will set a new record high at 4,015 Bcf (U.S. Working Natural Gas in Storage Chart), although the record will largely be due to high levels already present at the start of the injection season. The

projected increase of 1,538 Bcf in working gas inventory during the 2012 injection season (from the end of March to the end of October) would be the smallest build since 1991. Limits on storage capacity, as well as high demand from the electric power sector this summer, will limit the overall level of injections. In 2013, working inventory levels recede from record highs, although they will still remain robust compared with recent history.

U.S. Natural Gas Prices. Natural gas spot prices averaged \$2.43 per MMBtu at the Henry Hub in May 2012, up \$0.48 per MMBtu from the April 2012 average and the first average monthly increase in price in almost a year. Despite the increase, prices remain at historically low levels; the May 2012 price averaged 44 percent less than the May 2011 price. Abundant supplies and lack of demand during the warm winter contributed to the current low prices. EIA expects the Henry Hub natural gas price will average \$2.55 per MMBtu in 2012, a small upward revision from the \$2.45 per MMBtu average in last month's *Outlook*. EIA revised its forecast for 2013 up to \$3.23 per MMBtu, from \$3.17 per MMBtu in last month's *Outlook* (U.S. Natural Gas Prices Chart).

Natural gas futures prices for September 2012 delivery (for the 5-day period ending June 7, 2012) averaged \$2.48 per MMBtu, and the average implied volatility based on options and futures prices was 53 percent ([Market Prices and Uncertainty Report](#)). Current options and futures prices imply that market participants place the lower and upper bounds for the 95-percent confidence interval for September 2012 contracts at \$1.51 per MMBtu and \$4.07 per MMBtu, respectively. At this time last year, the September 2011 natural gas futures contract averaged \$4.64 per MMBtu and implied volatility averaged 35 percent. The corresponding lower and upper limits of the 95-percent confidence interval were \$3.30 per MMBtu and \$6.50 per MMBtu.

Coal

U.S. Coal Consumption. EIA forecasts that electric power sector coal consumption will average slightly more than 800 million short tons (MMst) in both 2012 and 2013 (U.S. Coal Consumption Chart). Lower electric power sector natural gas prices in 2011 contributed to a significant increase in the share of natural-gas-fired generation, and EIA expects this trend to continue in 2012. EIA expects that electric power sector coal consumption will increase slightly in 2013, as projected power industry coal prices fall (4 percent) and natural gas prices increase (18 percent).

U.S. Coal Supply. EIA forecasts that coal production will decline by 9 percent in 2012 as domestic consumption and exports fall (U.S. Coal Production Chart). Production for the first four months of 2012 was 28 MMst (8 percent) below last year's value for the same period. EIA predicts that production will continue to decline in 2013, but at a slower rate (4 percent). Despite declines in production, EIA projects that secondary inventories will increase in 2012, with electric power sector stocks exceeding 200 MMst, and inventories will remain at elevated levels in 2013 (U.S. Electric Power Sector Coal Stocks Chart).

U.S. Coal Trade. EIA expects U.S. coal exports to remain strong but fall below the 107 MMst exported in 2011. Forecast U.S. coal exports are 106 MMst in 2012 and 97 MMst in 2013. U.S. coal exports averaged 56 MMst in the decade preceding 2011.

U.S. Coal Prices. Delivered coal prices to the electric power industry had increased steadily over the last 10 years and this trend continued in 2011, with an average delivered coal price of \$2.40 per MMBtu (a 6-percent increase from 2010). However, EIA expects the decline in demand for coal to generate electricity will put downward pressure on coal prices and contribute to the shut-in of higher-cost production. EIA forecasts the average delivered coal price in 2012 will be nearly 3 percent lower than the 2011 average price. EIA predicts the 2013 average delivered coal price to be \$2.25 per MMBtu, or 4 percent lower than the 2012 price.

Electricity

U.S. Electricity Consumption. Cooling-degree-days during the summer of 2011 (the second and third quarters) were nearly 22 percent higher than the 30-year normal. The [National Oceanic and Atmospheric Administration](#) projects temperatures this summer should again be above normal, but 14 percent lower than last year's level. This reduced need for summer cooling contributes to EIA's projection of a 3.7-percent decline in residential electricity sales in 2012. EIA expects total consumption of electricity to fall by 1.0 percent during 2012, and then grow by 1.9 percent in 2013 (U.S. Total Electricity Consumption Chart).

U.S. Electricity Generation. The share of generation fueled by coal in the U.S. has declined dramatically in recent months. Coal's share of total power generation first fell below 40 percent in November of last year and averaged 36 percent during the first quarter of 2012, compared with an average of almost 45 percent during the same period last year. Much of this reduction has resulted from the decreased utilization of existing coal-fired capacity, including some capacity that is scheduled to be retired during the next few years. The reduction in coal generation has been offset by increased utilization of natural gas combined cycle plants. EIA expects that the higher natural gas costs projected later in 2012 and in 2013, along with record coal stocks, will encourage generators to increase their utilization of coal-fired power plants somewhat next year. After a projected decline of 13 percent in 2012, EIA forecasts total generation by coal across all sectors to rise by 3 percent in 2013. In contrast, total generation by natural gas is forecast to rise 22 percent this year and then rise by less than 1 percent in 2013 (U.S. Electricity Generation Chart).

U.S. Electricity Retail Prices. EIA expects the average U.S. residential electricity price to rise from an average of 11.79 cents per kilowatthour in 2011 to 11.93 cents per kilowatthour this year, an increase of 1.2 percent (U.S. Residential Electricity Prices Chart). The projected decline in generation fuel costs during 2012, including a 33-percent decline in the cost of natural gas delivered to electric generators, should lead to a 2.8-percent drop in residential retail prices

next year as a result of the regulatory lags in passing through changing generation fuel costs to consumers.

Renewables and Carbon Dioxide Emissions

U.S. Renewables. After growing by 14 percent in 2011, total renewable energy supply is projected to decline by 1.1 percent in 2012 (U.S. Renewable Energy Supply Chart). This decrease is the result of hydropower resource levels beginning a return to the long-term average, with supply falling by 0.3 quadrillion Btu (10 percent). The decline in hydropower from the 2011 level more than offsets growth in other renewable energy supplies. Renewables supply remains flat in 2013 as hydropower continues to decline (6.3 percent) and offsets non-hydropower renewables growth of 3.3 percent.

Under current law, federal production tax credits for wind-powered generation will not be available for turbines that begin operating after the end of 2012. Wind-powered generation, which grew by 26 percent in 2011, is forecast to grow an additional 16 percent in 2012 and 6 percent in 2013. Despite the expiration of production tax credits, wind capacity is projected to grow by 3.7 percent in 2013, based on generators' capacity construction plans reported to EIA.

In terms of liquid renewable fuels, EIA expects fuel ethanol production to remain steady from 2011 through 2012, averaging about 910 thousand bbl/d and increasing only slightly to 920 thousand bbl/d in 2013. This forecast assumes that E15 (gasoline blended with 15 percent ethanol by volume) does not yet reach the market in significant volumes. Consequently, U.S. ethanol production is projected to exceed the volume that can easily be used in the U.S. liquid fuels pool, so the Nation will continue to be a net exporter of ethanol over the next two years. EIA estimates that biodiesel production in 2011 averaged about 63 thousand bbl/d (971 million gallons of total annual production). Forecast biodiesel production averages 70 thousand bbl/d in 2012, and 75 thousand bbl/d in 2013.

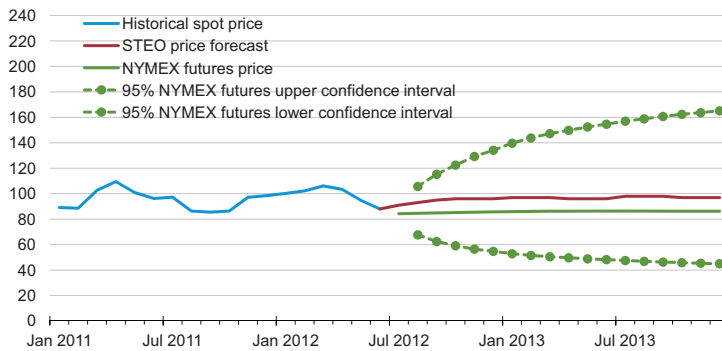
U.S. Energy-Related Carbon Dioxide Emissions. After declining by 2.4 percent in 2011, fossil fuel emissions are projected to further decline by 2.5 percent in 2012, but increase by 1.3 percent in 2013. Petroleum emissions decline slightly in 2012 (0.4 percent) and then rise by 0.5 percent in 2013, while natural gas emissions rise by 4.6 percent and 2.4 percent in 2012 and 2013, respectively. Coal emissions decline in 2012 by 10 percent, but rise by 1.6 percent in 2013 (U.S. Carbon Dioxide Emissions Growth Chart).



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Chart Gallery for June 2012

West Texas Intermediate (WTI) Crude Oil Price

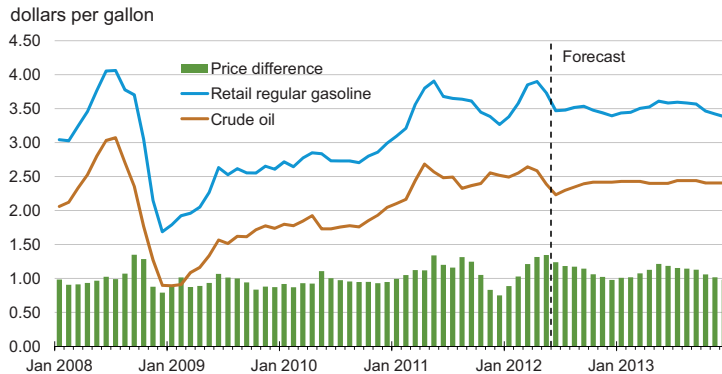


Note: Confidence interval derived from options market information for the 5 trading days ending June 7, 2012. Intervals not calculated for months with sparse trading in near-the-money options contracts.

Source: Short-Term Energy Outlook, June 2012



U.S. Gasoline and Crude Oil Prices



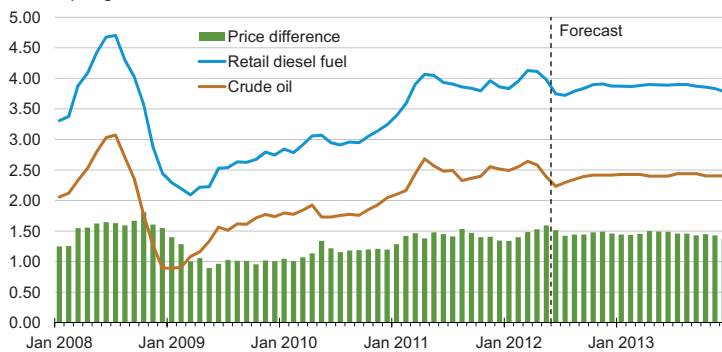
Crude oil price is average refiner acquisition cost. Retail prices include State and Federal taxes.

Source: Short-Term Energy Outlook, June 2012



U.S. Diesel Fuel and Crude Oil Prices

dollars per gallon



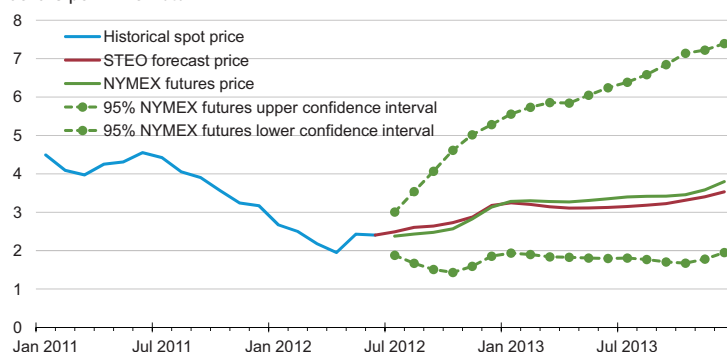
Crude oil price is average refiner acquisition cost. Retail prices include State and Federal taxes.

Source: Short-Term Energy Outlook, June 2012



Henry Hub Natural Gas Price

dollars per million btu



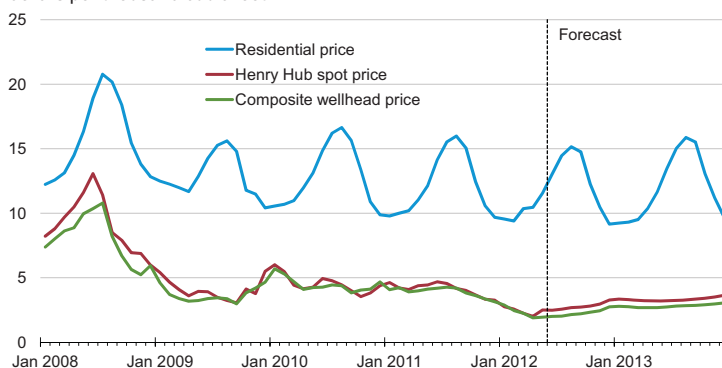
Note: Confidence interval derived from options market information for the 5 trading days ending June 7, 2012. Intervals not calculated for months with sparse trading in near-the-money options contracts.

Source: Short-Term Energy Outlook, June 2012



U.S. Natural Gas Prices

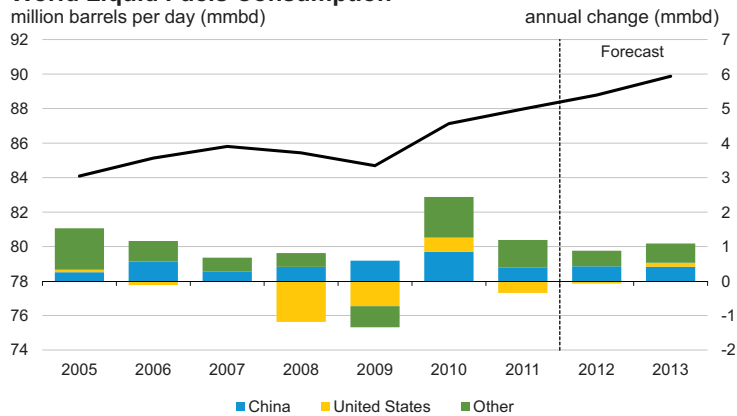
dollars per thousand cubic feet



Source: Short-Term Energy Outlook, June 2012



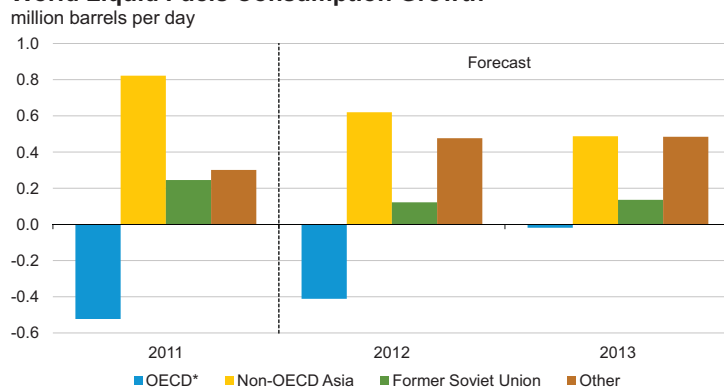
World Liquid Fuels Consumption



Source: Short-Term Energy Outlook, June 2012



World Liquid Fuels Consumption Growth

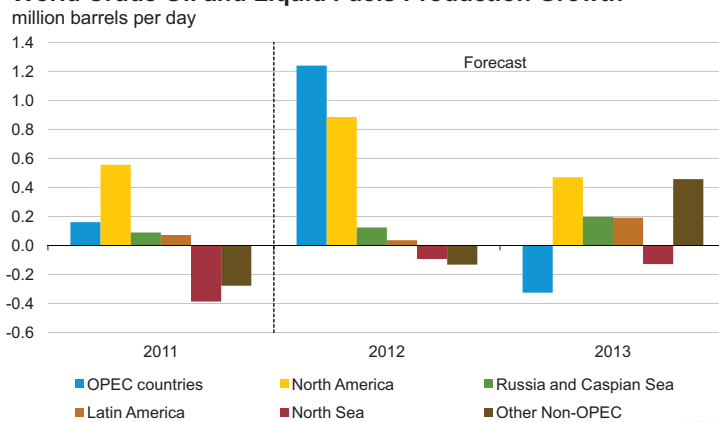


* Countries belonging to the Organization for Economic Cooperation and Development

Source: Short-Term Energy Outlook, June 2012



World Crude Oil and Liquid Fuels Production Growth

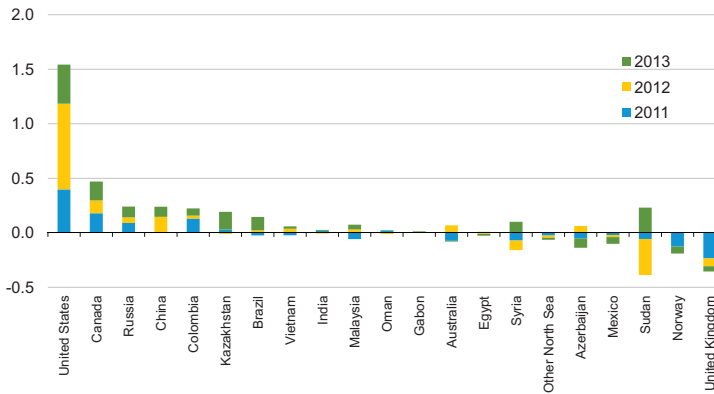


Source: Short-Term Energy Outlook, June 2012



Non-OPEC Crude Oil and Liquid Fuels Production Growth

million barrels per day



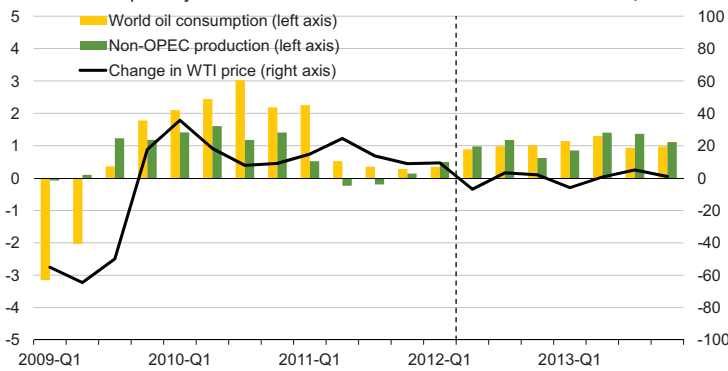
Source: Short-Term Energy Outlook, June 2012



World Consumption and Non-OPEC Production Growth

million barrels per day

dollars per barrel

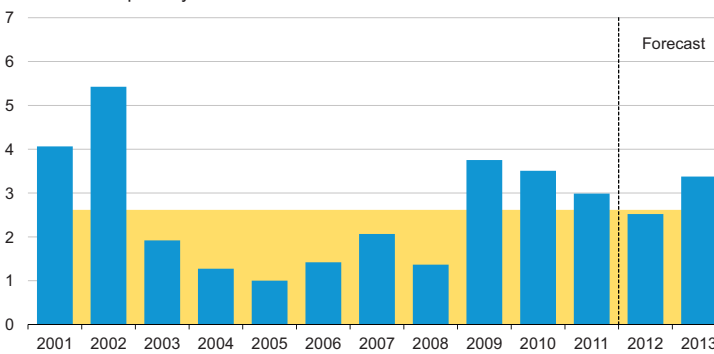


Source: Short-Term Energy Outlook, June 2012



OPEC surplus capacity

million barrels per day



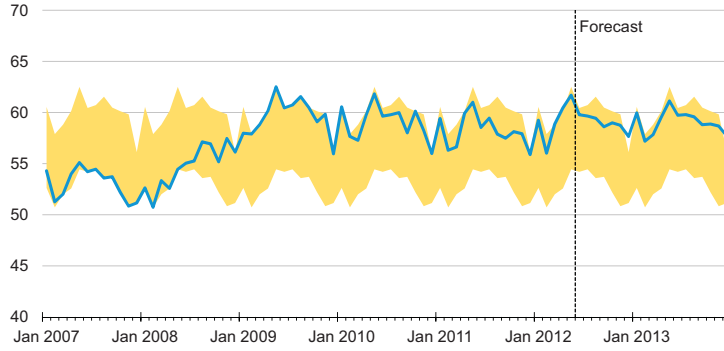
Note: Shaded area represents 2001-2011 average (2.6 million barrels per day)

Source: Short-Term Energy Outlook, June 2012



OECD Commercial Crude Oil Stocks

days of supply



Note: Colored band represents the range between the minimum and maximum observed inventories from Jan. 2007 - Dec. 2011.

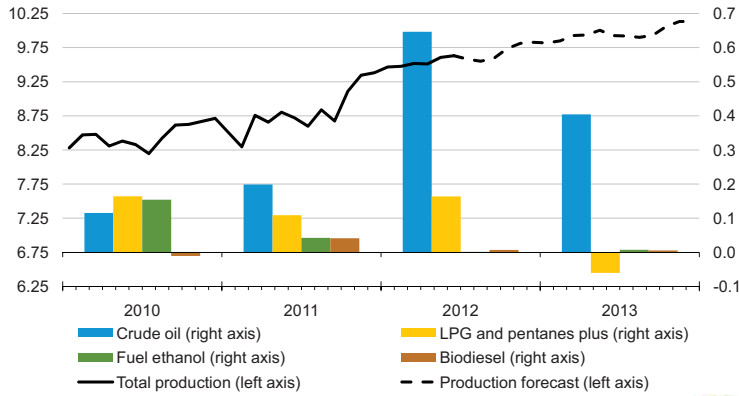
Source: Short-Term Energy Outlook, June 2012



U.S. Crude Oil and Liquid Fuels Production

million barrels per day (mmbd)

annual change (mmbd)

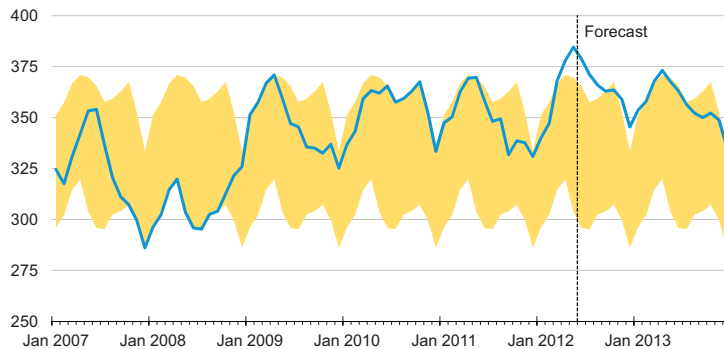


Source: Short-Term Energy Outlook, June 2012



U.S. Crude Oil Stocks

million barrels

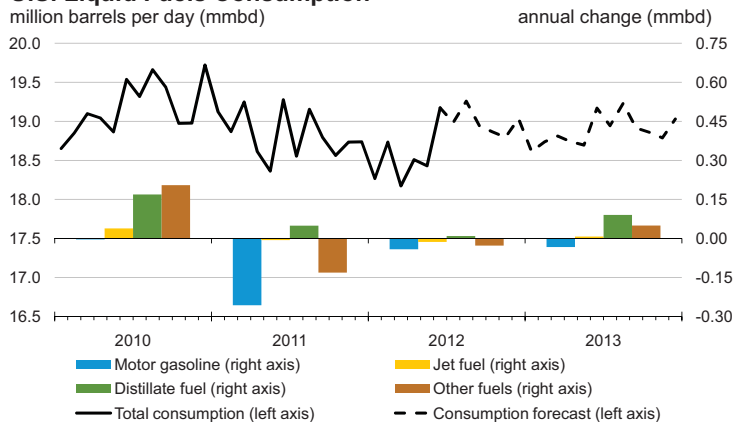


Note: Colored band around storage levels represents the range between the minimum and maximum from Jan. 2007 - Dec. 2011.

Source: Short-Term Energy Outlook, June 2012



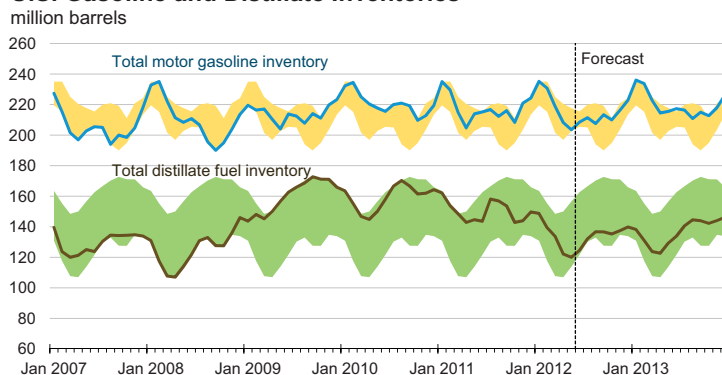
U.S. Liquid Fuels Consumption



Source: Short-Term Energy Outlook, June 2012



U.S. Gasoline and Distillate Inventories

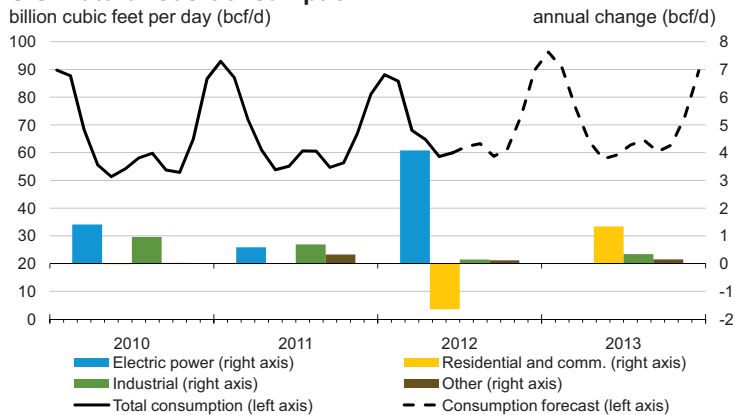


Note: Colored bands around storage levels represents the range between the minimum and maximum from Jan. 2007 - Dec. 2011.

Source: Short-Term Energy Outlook, June 2012



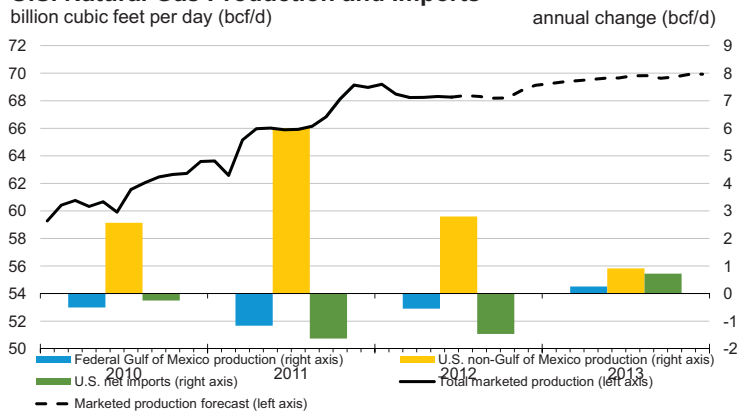
U.S. Natural Gas Consumption



Source: Short-Term Energy Outlook, June 2012



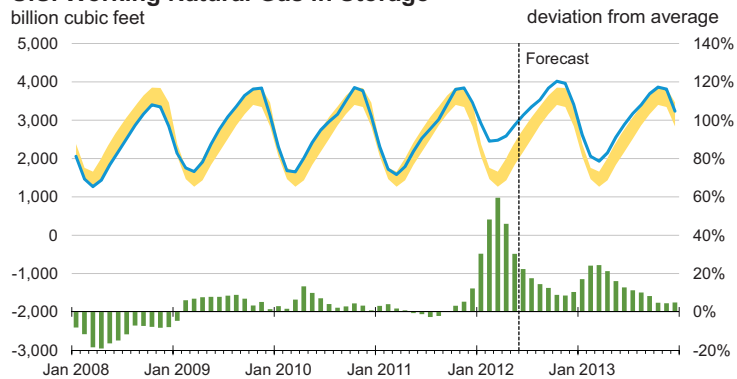
U.S. Natural Gas Production and Imports



Source: Short-Term Energy Outlook, June 2012



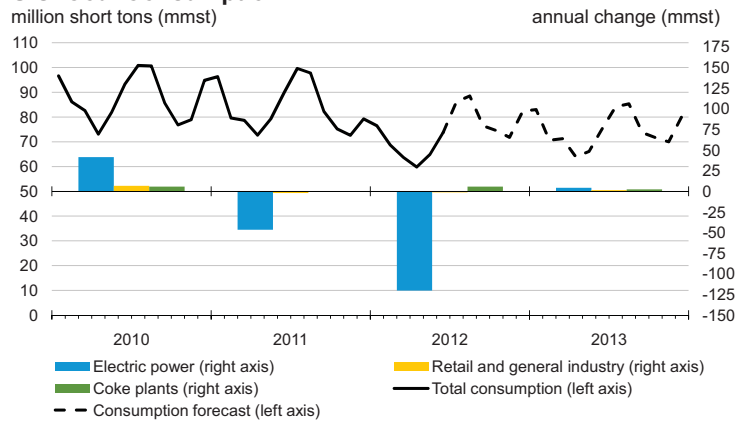
U.S. Working Natural Gas in Storage



Source: Short-Term Energy Outlook, June 2012



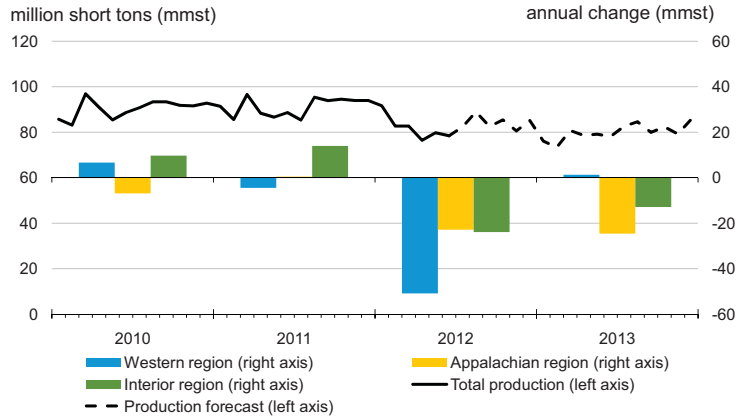
U.S. Coal Consumption



Source: Short-Term Energy Outlook, June 2012



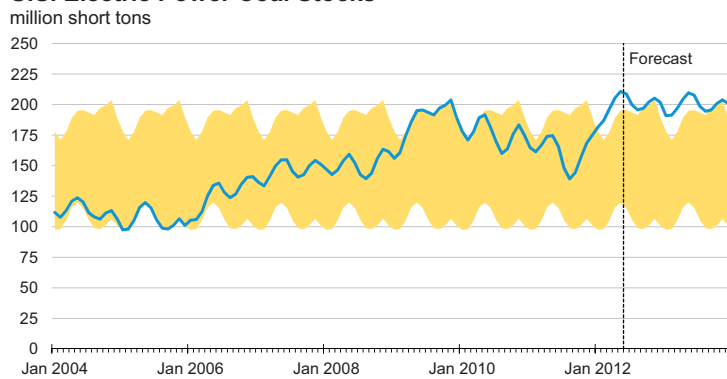
U.S. Coal Production



Source: Short-Term Energy Outlook, June 2012



U.S. Electric Power Coal Stocks

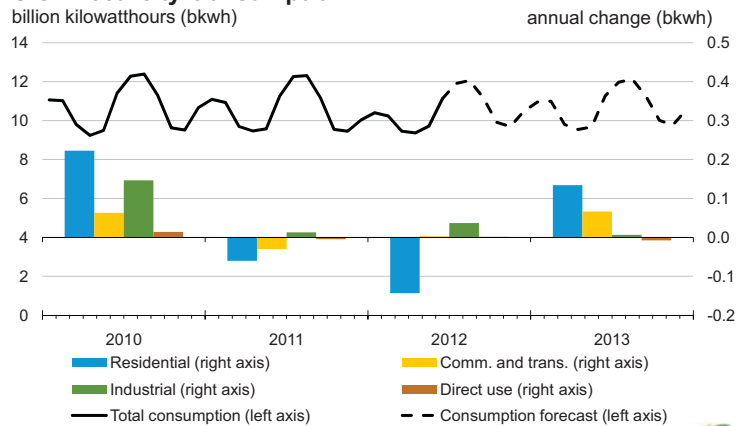


Note: Colored band around storage levels represents the range between the minimum and maximum from Jan. 2007 - Dec. 2011.

Source: Short-Term Energy Outlook, June 2012



U.S. Electricity Consumption

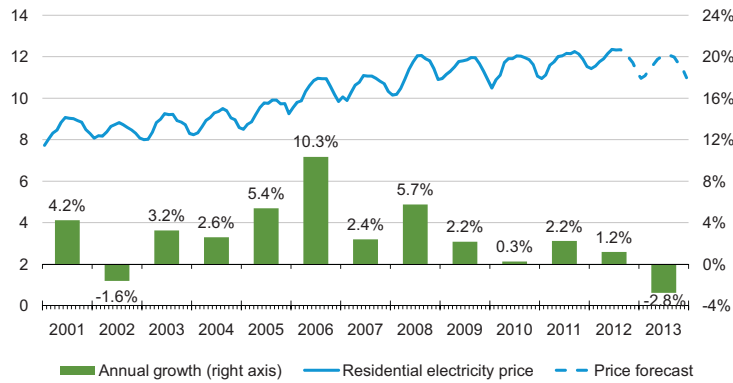


Source: Short-Term Energy Outlook, June 2012



U.S. Residential Electricity Price

cents per kilowatthour

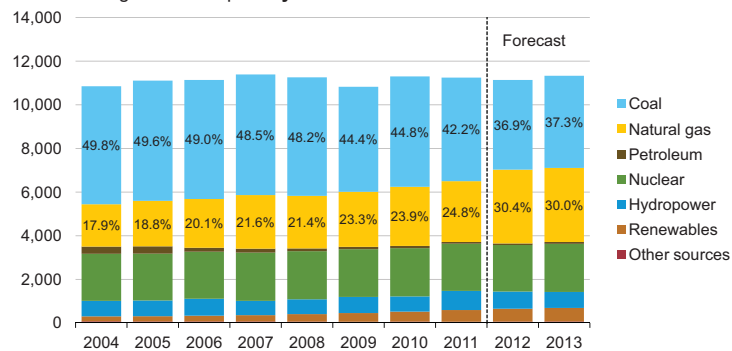


Source: Short-Term Energy Outlook, June 2012



U.S. Electricity Generation by Fuel, All Sectors

thousand megawatthours per day



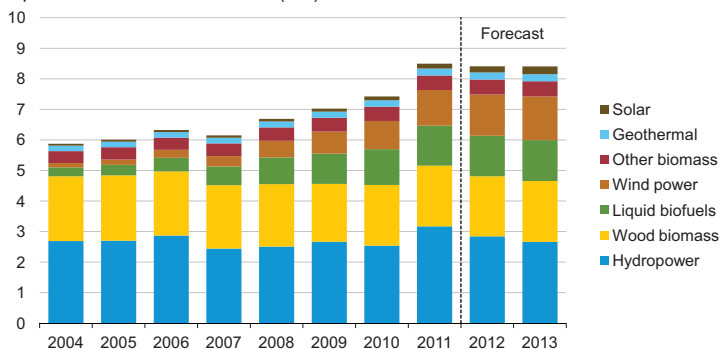
Note: Labels show percentage share of total generation provided by coal and natural gas.

Source: Short-Term Energy Outlook, June 2012



U.S. Renewable Energy Supply

quadrillion British thermal units (Btu)



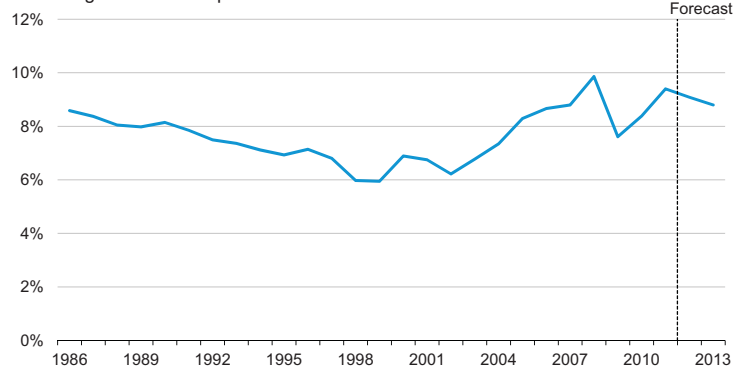
Note: Hydropower excludes pumped storage generation. Liquid biofuels include ethanol and biodiesel. Other biomass includes municipal waste from biogenic sources, landfill gas, and other non-wood waste.

Source: Short-Term Energy Outlook, June 2012



U.S. Annual Energy Expenditures

share of gross domestic product

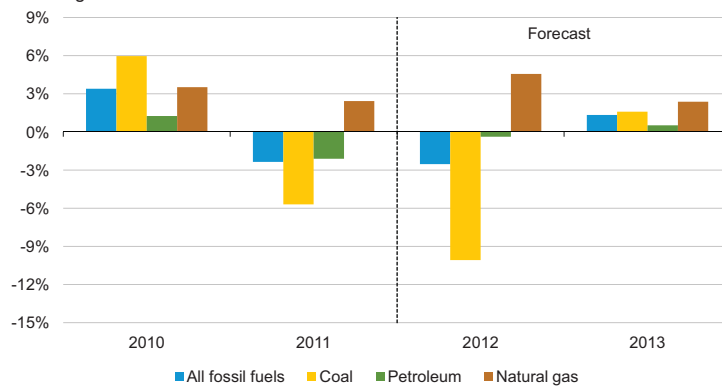


Source: Short-Term Energy Outlook, June 2012



U.S. Energy-Related Carbon Dioxide Emissions

annual growth

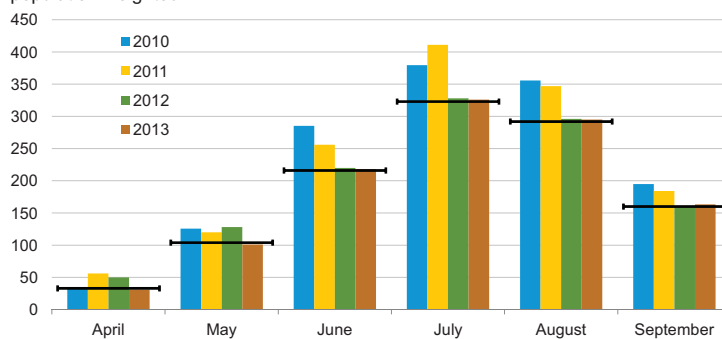


Source: Short-Term Energy Outlook, June 2012



U.S. Summer Cooling Degree-Days

population-weighted



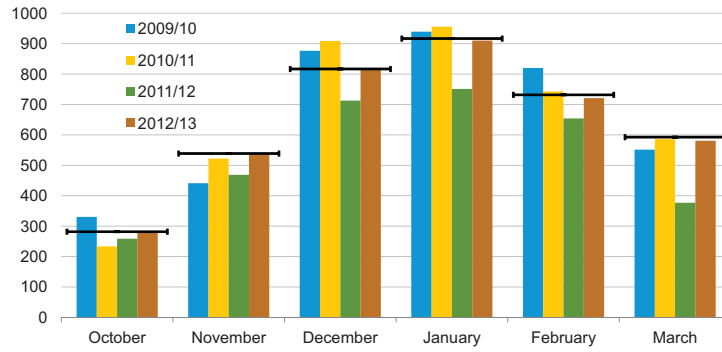
Note: Historical data from the National Oceanic and Atmospheric Administration (NOAA). Projections reflect 14-16 month NOAA outlook and EIA estimates. Horizontal bars indicate 30-year normals.

Source: Short-Term Energy Outlook, June 2012



U.S. Winter Heating Degree-Days

population-weighted

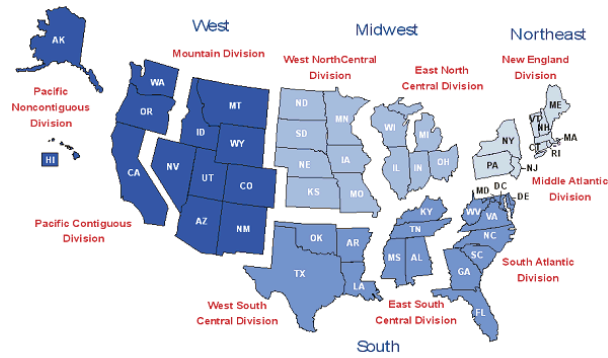


Note: Historical data from the National Oceanic and Atmospheric Administration (NOAA). Projections reflect 14-16 month NOAA outlook and EIA estimates. Horizontal bars indicate 30-year normals.

Source: Short-Term Energy Outlook, June 2012



U.S. Census Regions and Divisions



Source: Short-Term Energy Outlook, June 2012



Table SF01. U.S. Motor Gasoline Summer Outlook

U.S. Energy Information Administration | Short-Term Energy Outlook - June 2012

| | 2011 | | | 2012 | | | Year-over-year Change (percent) | | |
|---|---------------|---------------|---------------|---------------|---------------|---------------|------------------------------------|------|--------|
| | Q2 | Q3 | Season | Q2 | Q3 | Season | Q2 | Q3 | Season |
| Nominal Prices (dollars per gallon) | | | | | | | | | |
| WTI Crude Oil (Spot) ^a | 2.43 | 2.14 | 2.29 | <i>2.27</i> | <i>2.21</i> | <i>2.24</i> | -6.8 | 3.7 | -1.9 |
| Imported Crude Oil Price ^b | 2.59 | 2.43 | 2.51 | <i>2.42</i> | <i>2.36</i> | <i>2.39</i> | -6.6 | -3.0 | -4.8 |
| U.S. Refiner Average Crude Oil Cost | 2.57 | 2.40 | 2.48 | <i>2.40</i> | <i>2.34</i> | <i>2.37</i> | -6.9 | -2.1 | -4.5 |
| Wholesale Gasoline Price ^c | 3.12 | 2.97 | 3.04 | <i>2.94</i> | <i>2.82</i> | <i>2.88</i> | -5.7 | -5.1 | -5.4 |
| Wholesale Diesel Fuel Price ^c | 3.16 | 3.07 | 3.11 | <i>3.06</i> | <i>2.98</i> | <i>3.02</i> | -3.3 | -2.8 | -3.0 |
| Regular Gasoline Retail Price ^d | 3.80 | 3.63 | 3.71 | <i>3.70</i> | <i>3.51</i> | <i>3.60</i> | -2.6 | -3.4 | -3.0 |
| Diesel Fuel Retail Price ^d | 4.01 | 3.87 | 3.94 | <i>3.95</i> | <i>3.78</i> | <i>3.86</i> | -1.7 | -2.2 | -1.9 |
| Gasoline Consumption/Supply (million barrels per day) | | | | | | | | | |
| Total Consumption | 8.863 | 8.875 | 8.869 | <i>8.824</i> | <i>8.874</i> | <i>8.849</i> | -0.4 | 0.0 | -0.2 |
| Total Refinery and Blender Output ^e | 7.482 | 7.818 | 7.651 | <i>7.463</i> | <i>7.734</i> | <i>7.600</i> | -0.2 | -1.1 | -0.7 |
| Fuel Ethanol Blending | 0.856 | 0.842 | 0.849 | <i>0.869</i> | <i>0.847</i> | <i>0.858</i> | 1.6 | 0.6 | 1.1 |
| Total Stock Withdrawal ^f | -0.003 | -0.010 | -0.007 | <i>0.114</i> | <i>-0.054</i> | <i>0.029</i> | | | |
| Net Imports ^f | 0.529 | 0.225 | 0.376 | <i>0.378</i> | <i>0.348</i> | <i>0.363</i> | -28.6 | 54.6 | -3.6 |
| Refinery Utilization (percent) | 85.8 | 89.8 | 87.8 | <i>88.2</i> | <i>90.4</i> | <i>89.3</i> | | | |
| Gasoline Stocks, Including Blending Components (million barrels) | | | | | | | | | |
| Beginning | 214.9 | 215.2 | 214.9 | <i>218.8</i> | <i>208.4</i> | <i>218.8</i> | | | |
| Ending | 215.2 | 216.1 | 216.1 | <i>208.4</i> | <i>213.4</i> | <i>213.4</i> | | | |
| Economic Indicators (annualized billion 2000 dollars) | | | | | | | | | |
| Real GDP | 13,272 | 13,332 | 13,302 | <i>13,571</i> | <i>13,642</i> | <i>13,606</i> | 2.3 | 2.3 | 2.3 |
| Real Income | 10,170 | 10,189 | 10,179 | <i>10,287</i> | <i>10,343</i> | <i>10,315</i> | 1.2 | 1.5 | 1.3 |

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

GDP = gross domestic product.

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

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

Table 1. U.S. Energy Markets Summary

U.S. Energy Information Administration | Short-Term Energy Outlook - June 2012

| | 2011 | | | | 2012 | | | | 2013 | | | | Year | | |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2011 | 2012 | 2013 |
| Energy Supply | | | | | | | | | | | | | | | |
| Crude Oil Production (a) (million barrels per day) | 5.54 | 5.60 | 5.58 | 5.98 | 6.16 | <i>6.25</i> | <i>6.32</i> | <i>6.55</i> | <i>6.65</i> | <i>6.70</i> | <i>6.69</i> | <i>6.85</i> | 5.67 | <i>6.32</i> | <i>6.73</i> |
| Dry Natural Gas Production (billion cubic feet per day) | 60.83 | 62.75 | 63.10 | 65.32 | 65.08 | <i>64.71</i> | <i>64.73</i> | <i>65.10</i> | <i>65.73</i> | <i>65.98</i> | <i>66.11</i> | <i>66.21</i> | 63.01 | <i>64.91</i> | <i>66.01</i> |
| Coal Production (million short tons) | 274 | 264 | 275 | 282 | 257 | <i>235</i> | <i>254</i> | <i>251</i> | <i>230</i> | <i>236</i> | <i>247</i> | <i>247</i> | 1,094 | <i>997</i> | <i>960</i> |
| Energy Consumption | | | | | | | | | | | | | | | |
| Liquid Fuels (million barrels per day) | 19.09 | 18.75 | 18.84 | 18.68 | 18.38 | <i>18.70</i> | <i>19.06</i> | <i>18.90</i> | <i>18.72</i> | <i>18.87</i> | <i>19.03</i> | <i>18.89</i> | 18.84 | <i>18.76</i> | <i>18.88</i> |
| Natural Gas (billion cubic feet per day) | 83.86 | 56.61 | 58.67 | 68.13 | 80.53 | <i>61.07</i> | <i>61.41</i> | <i>74.86</i> | <i>87.43</i> | <i>60.22</i> | <i>62.56</i> | <i>75.20</i> | 66.75 | <i>69.46</i> | <i>71.29</i> |
| Coal (b) (million short tons) | 255 | 242 | 280 | 227 | 209 | <i>198</i> | <i>251</i> | <i>229</i> | <i>225</i> | <i>205</i> | <i>243</i> | <i>222</i> | 1,003 | <i>887</i> | <i>896</i> |
| Electricity (billion kilowatt hours per day) | 10.56 | 10.09 | 11.92 | 9.68 | 10.03 | <i>10.07</i> | <i>11.72</i> | <i>10.03</i> | <i>10.57</i> | <i>10.16</i> | <i>11.79</i> | <i>10.12</i> | 10.57 | <i>10.46</i> | <i>10.66</i> |
| Renewables (c) (quadrillion Btu) | 2.08 | 2.29 | 2.02 | 2.00 | 2.07 | <i>2.24</i> | <i>2.01</i> | <i>1.99</i> | <i>2.06</i> | <i>2.24</i> | <i>2.02</i> | <i>2.02</i> | 8.39 | <i>8.31</i> | <i>8.34</i> |
| Total Energy Consumption (d) (quadrillion Btu) | 25.89 | 23.12 | 24.36 | 23.93 | 24.72 | <i>22.92</i> | <i>24.19</i> | <i>24.69</i> | <i>25.50</i> | <i>23.07</i> | <i>24.20</i> | <i>24.69</i> | 97.30 | <i>96.53</i> | <i>97.46</i> |
| Energy Prices | | | | | | | | | | | | | | | |
| Crude Oil (e) (dollars per barrel) | 94.00 | 108.13 | 100.61 | 104.55 | 107.63 | <i>100.70</i> | <i>98.47</i> | <i>101.50</i> | <i>102.00</i> | <i>100.75</i> | <i>102.50</i> | <i>101.00</i> | 101.91 | <i>102.00</i> | <i>101.56</i> |
| Natural Gas Wellhead (dollars per thousand cubic feet) | 4.06 | 4.10 | 4.10 | 3.37 | 2.54 | <i>1.94</i> | <i>2.12</i> | <i>2.51</i> | <i>2.74</i> | <i>2.70</i> | <i>2.83</i> | <i>2.97</i> | 3.90 | <i>2.28</i> | <i>2.81</i> |
| Coal (dollars per million Btu) | 2.34 | 2.42 | 2.46 | 2.37 | 2.41 | <i>2.35</i> | <i>2.33</i> | <i>2.28</i> | <i>2.31</i> | <i>2.26</i> | <i>2.24</i> | <i>2.19</i> | 2.40 | <i>2.34</i> | <i>2.25</i> |
| Macroeconomic | | | | | | | | | | | | | | | |
| Real Gross Domestic Product (billion chained 2005 dollars - SAAR) | 13,228 | 13,272 | 13,332 | 13,429 | 13,502 | <i>13,571</i> | <i>13,642</i> | <i>13,715</i> | <i>13,788</i> | <i>13,876</i> | <i>13,972</i> | <i>14,086</i> | 13,315 | <i>13,608</i> | <i>13,931</i> |
| Percent change from prior year | 2.2 | 1.6 | 1.5 | 1.6 | 2.1 | <i>2.3</i> | <i>2.3</i> | <i>2.1</i> | <i>2.1</i> | <i>2.3</i> | <i>2.4</i> | <i>2.7</i> | 1.7 | <i>2.2</i> | <i>2.4</i> |
| GDP Implicit Price Deflator (Index, 2005=100) | 112.4 | 113.1 | 113.8 | 114.1 | 114.5 | <i>115.0</i> | <i>115.6</i> | <i>116.1</i> | <i>116.3</i> | <i>116.6</i> | <i>117.0</i> | <i>117.5</i> | 113.3 | <i>115.3</i> | <i>116.9</i> |
| Percent change from prior year | 1.8 | 2.1 | 2.4 | 2.1 | 1.9 | <i>1.7</i> | <i>1.5</i> | <i>1.8</i> | <i>1.6</i> | <i>1.3</i> | <i>1.3</i> | <i>1.3</i> | 2.1 | <i>1.7</i> | <i>1.4</i> |
| Real Disposable Personal Income (billion chained 2005 dollars - SAAR) | 10,183 | 10,170 | 10,189 | 10,232 | 10,242 | <i>10,287</i> | <i>10,343</i> | <i>10,392</i> | <i>10,427</i> | <i>10,471</i> | <i>10,522</i> | <i>10,593</i> | 10,193 | <i>10,316</i> | <i>10,503</i> |
| Percent change from prior year | 2.6 | 1.1 | 0.7 | 0.8 | 0.6 | <i>1.2</i> | <i>1.5</i> | <i>1.6</i> | <i>1.8</i> | <i>1.8</i> | <i>1.7</i> | <i>1.9</i> | 1.3 | <i>1.2</i> | <i>1.8</i> |
| Manufacturing Production Index (Index, 2007=100) | 90.4 | 90.6 | 91.7 | 92.9 | 95.3 | <i>96.1</i> | <i>97.0</i> | <i>97.7</i> | <i>98.4</i> | <i>99.3</i> | <i>100.3</i> | <i>101.4</i> | 91.4 | <i>96.5</i> | <i>99.9</i> |
| Percent change from prior year | 6.8 | 4.0 | 3.9 | 4.5 | 5.5 | <i>6.1</i> | <i>5.8</i> | <i>5.1</i> | <i>3.2</i> | <i>3.4</i> | <i>3.4</i> | <i>3.8</i> | 4.8 | <i>5.6</i> | <i>3.5</i> |
| Weather | | | | | | | | | | | | | | | |
| U.S. Heating Degree-Days | 2,285 | 517 | 77 | 1,441 | 1,782 | <i>456</i> | <i>97</i> | <i>1,628</i> | <i>2,212</i> | <i>529</i> | <i>99</i> | <i>1,617</i> | 4,320 | <i>3,963</i> | <i>4,457</i> |
| U.S. Cooling Degree-Days | 33 | 432 | 942 | 70 | 53 | <i>398</i> | <i>783</i> | <i>77</i> | <i>35</i> | <i>350</i> | <i>784</i> | <i>83</i> | 1,477 | <i>1,311</i> | <i>1,253</i> |

- = 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

U.S. Energy Information Administration | Short-Term Energy Outlook - June 2012

| | 2011 | | | | 2012 | | | | 2013 | | | | Year | | |
|--|--------------|---------------|---------------|---------------|---------------|--------|-------|--------|--------|--------|--------|--------|---------------|--------|--------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2011 | 2012 | 2013 |
| Crude Oil (dollars per barrel) | | | | | | | | | | | | | | | |
| West Texas Intermediate Spot Average | 93.50 | 102.22 | 89.72 | 93.99 | 102.88 | 95.32 | 93.00 | 96.00 | 97.00 | 96.00 | 98.00 | 97.00 | 94.86 | 96.80 | 97.00 |
| Imported Average | 94.23 | 108.72 | 102.05 | 105.36 | 108.13 | 101.57 | 98.97 | 102.00 | 102.25 | 101.00 | 102.75 | 101.25 | 102.67 | 102.64 | 101.82 |
| Refiner Average Acquisition Cost | 94.00 | 108.13 | 100.61 | 104.55 | 107.63 | 100.70 | 98.47 | 101.50 | 102.00 | 100.75 | 102.50 | 101.00 | 101.91 | 102.00 | 101.56 |
| Liquid Fuels (cents per gallon) | | | | | | | | | | | | | | | |
| Refiner Prices for Resale | | | | | | | | | | | | | | | |
| Gasoline | 267 | 312 | 297 | 271 | 297 | 294 | 282 | 275 | 281 | 290 | 289 | 273 | 287 | 287 | 283 |
| Diesel Fuel | 286 | 316 | 307 | 304 | 317 | 306 | 298 | 305 | 304 | 304 | 305 | 297 | 303 | 306 | 302 |
| Heating Oil | 275 | 305 | 295 | 296 | 315 | 303 | 294 | 303 | 300 | 295 | 294 | 289 | 291 | 307 | 295 |
| Refiner Prices to End Users | | | | | | | | | | | | | | | |
| Jet Fuel | 287 | 322 | 308 | 303 | 321 | 308 | 298 | 306 | 308 | 306 | 306 | 299 | 305 | 308 | 305 |
| No. 6 Residual Fuel Oil (a) | 218 | 246 | 249 | 250 | 270 | 262 | 254 | 257 | 257 | 251 | 253 | 253 | 239 | 261 | 253 |
| Retail Prices Including Taxes | | | | | | | | | | | | | | | |
| Gasoline Regular Grade (b) | 329 | 380 | 363 | 337 | 361 | 370 | 351 | 344 | 346 | 357 | 358 | 342 | 353 | 356 | 351 |
| Gasoline All Grades (b) | 335 | 385 | 369 | 342 | 367 | 376 | 357 | 349 | 352 | 363 | 364 | 348 | 358 | 362 | 357 |
| On-highway Diesel Fuel | 363 | 401 | 387 | 387 | 397 | 395 | 378 | 389 | 387 | 389 | 389 | 382 | 384 | 390 | 387 |
| Heating Oil | 359 | 390 | 367 | 366 | 379 | 370 | 357 | 369 | 374 | 363 | 358 | 356 | 368 | 371 | 365 |
| Natural Gas | | | | | | | | | | | | | | | |
| Average Wellhead (dollars per thousand cubic feet) | 4.06 | 4.10 | 4.10 | 3.37 | 2.54 | 1.94 | 2.12 | 2.51 | 2.74 | 2.70 | 2.83 | 2.97 | 3.90 | 2.28 | 2.81 |
| Henry Hub Spot (dollars per thousand cubic feet) | 4.31 | 4.50 | 4.25 | 3.42 | 2.52 | 2.33 | 2.66 | 3.01 | 3.29 | 3.21 | 3.28 | 3.52 | 4.12 | 2.63 | 3.32 |
| Henry Hub Spot (dollars per Million Btu) | 4.18 | 4.37 | 4.12 | 3.32 | 2.45 | 2.26 | 2.58 | 2.93 | 3.20 | 3.11 | 3.18 | 3.42 | 4.00 | 2.55 | 3.23 |
| End-Use Prices (dollars per thousand cubic feet) | | | | | | | | | | | | | | | |
| Industrial Sector | 5.45 | 5.15 | 4.94 | 4.53 | 4.13 | 3.36 | 3.54 | 4.16 | 4.58 | 4.11 | 4.18 | 4.64 | 5.02 | 3.80 | 4.39 |
| Commercial Sector | 8.75 | 9.15 | 9.71 | 8.51 | 8.19 | 7.94 | 8.08 | 8.01 | 7.98 | 8.20 | 8.76 | 8.66 | 8.85 | 8.07 | 8.31 |
| Residential Sector | 9.96 | 11.96 | 15.51 | 10.44 | 9.67 | 11.26 | 14.79 | 10.10 | 9.33 | 11.28 | 15.49 | 10.73 | 10.79 | 10.44 | 10.48 |
| Electricity | | | | | | | | | | | | | | | |
| Power Generation Fuel Costs (dollars per million Btu) | | | | | | | | | | | | | | | |
| Coal | 2.34 | 2.42 | 2.46 | 2.37 | 2.41 | 2.35 | 2.33 | 2.28 | 2.31 | 2.26 | 2.24 | 2.19 | 2.40 | 2.34 | 2.25 |
| Natural Gas | 5.02 | 4.92 | 4.76 | 4.13 | 3.31 | 2.92 | 2.96 | 3.55 | 3.74 | 3.62 | 3.57 | 3.96 | 4.71 | 3.16 | 3.71 |
| Residual Fuel Oil (c) | 15.88 | 18.29 | 20.10 | 20.05 | 21.27 | 20.17 | 18.50 | 18.36 | 18.43 | 18.16 | 18.08 | 18.14 | 18.49 | 19.47 | 18.19 |
| Distillate Fuel Oil | 20.79 | 23.37 | 22.74 | 22.86 | 23.80 | 23.22 | 22.90 | 23.73 | 23.59 | 23.52 | 23.50 | 23.42 | 22.40 | 23.43 | 23.51 |
| End-Use Prices (cents per kilowatthour) | | | | | | | | | | | | | | | |
| Industrial Sector | 6.63 | 6.86 | 7.36 | 6.68 | 6.51 | 6.70 | 7.07 | 6.64 | 6.58 | 6.71 | 7.03 | 6.60 | 6.89 | 6.74 | 6.74 |
| Commercial Sector | 9.97 | 10.38 | 10.76 | 10.07 | 9.93 | 10.21 | 10.65 | 10.09 | 9.89 | 10.26 | 10.61 | 10.01 | 10.32 | 10.24 | 10.21 |
| Residential Sector | 11.19 | 11.95 | 12.18 | 11.82 | 11.57 | 12.16 | 12.31 | 11.62 | 11.13 | 11.86 | 12.03 | 11.34 | 11.79 | 11.93 | 11.60 |

- = 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

U.S. Energy Information Administration | Short-Term Energy Outlook - June 2012

| | 2011 | | | | 2012 | | | | 2013 | | | | Year | | |
|--|--------------|--------------|--------------|--------------|--------------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|-------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2011 | 2012 | 2013 |
| Supply (million barrels per day) (a) | | | | | | | | | | | | | | | |
| OECD | 21.48 | 21.18 | 21.28 | 22.34 | 22.41 | 22.40 | 22.23 | 22.66 | 22.66 | 22.66 | 22.66 | 22.96 | 21.57 | 22.42 | 22.74 |
| U.S. (50 States) | 9.73 | 9.98 | 10.02 | 10.61 | 10.74 | 10.84 | 10.85 | 11.06 | 11.11 | 11.22 | 11.21 | 11.39 | 10.09 | 10.87 | 11.23 |
| Canada | 3.67 | 3.42 | 3.71 | 3.86 | 3.78 | 3.74 | 3.75 | 3.87 | 3.86 | 3.90 | 4.01 | 4.04 | 3.66 | 3.78 | 3.96 |
| Mexico | 2.99 | 2.98 | 2.93 | 2.94 | 2.94 | 2.96 | 2.94 | 2.93 | 2.90 | 2.89 | 2.87 | 2.86 | 2.96 | 2.94 | 2.88 |
| North Sea (b) | 3.61 | 3.34 | 3.10 | 3.34 | 3.36 | 3.29 | 3.10 | 3.26 | 3.25 | 3.12 | 3.00 | 3.13 | 3.35 | 3.25 | 3.12 |
| Other OECD | 1.49 | 1.47 | 1.51 | 1.59 | 1.59 | 1.57 | 1.59 | 1.55 | 1.54 | 1.54 | 1.57 | 1.54 | 1.52 | 1.57 | 1.54 |
| Non-OECD | 65.70 | 64.68 | 65.36 | 65.99 | 66.52 | 66.67 | 66.70 | 66.67 | 66.65 | 67.15 | 67.32 | 67.62 | 65.43 | 66.64 | 67.19 |
| OPEC | 35.10 | 34.42 | 35.20 | 35.68 | 36.35 | 36.65 | 36.32 | 36.05 | 35.87 | 35.98 | 36.00 | 36.20 | 35.10 | 36.34 | 36.01 |
| Crude Oil Portion | 29.78 | 29.20 | 29.99 | 30.35 | 30.87 | 30.98 | 30.61 | 30.32 | 30.11 | 30.21 | 30.22 | 30.36 | 29.83 | 30.69 | 30.22 |
| Other Liquids | 5.32 | 5.22 | 5.21 | 5.33 | 5.48 | 5.67 | 5.71 | 5.73 | 5.76 | 5.77 | 5.79 | 5.84 | 5.27 | 5.65 | 5.79 |
| Former Soviet Union | 13.35 | 13.35 | 13.25 | 13.30 | 13.42 | 13.36 | 13.50 | 13.54 | 13.54 | 13.68 | 13.66 | 13.69 | 13.31 | 13.46 | 13.64 |
| China | 4.36 | 4.33 | 4.22 | 4.26 | 4.31 | 4.41 | 4.49 | 4.54 | 4.50 | 4.53 | 4.54 | 4.55 | 4.29 | 4.44 | 4.53 |
| Other Non-OECD | 12.90 | 12.58 | 12.69 | 12.75 | 12.44 | 12.26 | 12.39 | 12.54 | 12.74 | 12.95 | 13.12 | 13.18 | 12.73 | 12.41 | 13.00 |
| Total World Supply | 87.18 | 85.86 | 86.64 | 88.33 | 88.93 | 89.07 | 88.93 | 89.32 | 89.31 | 89.81 | 89.98 | 90.58 | 87.00 | 89.06 | 89.92 |
| Non-OPEC Supply | 52.09 | 51.44 | 51.44 | 52.65 | 52.58 | 52.42 | 52.61 | 53.27 | 53.44 | 53.83 | 53.98 | 54.38 | 51.90 | 52.72 | 53.91 |
| Consumption (million barrels per day) (c) | | | | | | | | | | | | | | | |
| OECD | 46.25 | 44.48 | 45.89 | 45.72 | 45.37 | 44.28 | 45.46 | 45.58 | 45.44 | 44.44 | 45.13 | 45.60 | 45.58 | 45.17 | 45.16 |
| U.S. (50 States) | 19.09 | 18.75 | 18.84 | 18.68 | 18.38 | 18.70 | 19.06 | 18.90 | 18.72 | 18.87 | 19.03 | 18.89 | 18.84 | 18.76 | 18.88 |
| U.S. Territories | 0.30 | 0.30 | 0.30 | 0.30 | 0.32 | 0.32 | 0.32 | 0.32 | 0.33 | 0.33 | 0.33 | 0.33 | 0.30 | 0.32 | 0.33 |
| Canada | 2.25 | 2.15 | 2.29 | 2.26 | 2.21 | 2.14 | 2.26 | 2.23 | 2.22 | 2.15 | 2.27 | 2.24 | 2.24 | 2.21 | 2.22 |
| Europe | 14.22 | 14.12 | 14.69 | 14.09 | 13.71 | 13.64 | 14.34 | 14.01 | 13.55 | 13.45 | 13.89 | 13.87 | 14.28 | 13.93 | 13.69 |
| Japan | 4.86 | 3.92 | 4.32 | 4.82 | 5.23 | 4.21 | 4.17 | 4.57 | 5.06 | 4.27 | 4.30 | 4.72 | 4.48 | 4.55 | 4.58 |
| Other OECD | 5.54 | 5.25 | 5.44 | 5.57 | 5.52 | 5.26 | 5.30 | 5.55 | 5.56 | 5.38 | 5.30 | 5.55 | 5.45 | 5.41 | 5.45 |
| Non-OECD | 41.65 | 42.51 | 42.80 | 42.59 | 42.87 | 43.61 | 44.21 | 43.74 | 43.94 | 44.74 | 45.47 | 44.70 | 42.39 | 43.61 | 44.72 |
| Former Soviet Union | 4.58 | 4.51 | 4.77 | 4.76 | 4.70 | 4.62 | 4.89 | 4.89 | 4.83 | 4.74 | 5.02 | 5.02 | 4.66 | 4.77 | 4.90 |
| Europe | 0.74 | 0.74 | 0.77 | 0.77 | 0.74 | 0.75 | 0.77 | 0.77 | 0.75 | 0.76 | 0.78 | 0.78 | 0.75 | 0.76 | 0.77 |
| China | 9.99 | 9.78 | 9.57 | 9.82 | 10.13 | 10.10 | 10.34 | 10.30 | 10.59 | 10.55 | 10.84 | 10.55 | 9.79 | 10.22 | 10.63 |
| Other Asia | 10.22 | 10.41 | 10.02 | 10.29 | 10.40 | 10.65 | 10.20 | 10.47 | 10.50 | 10.68 | 10.27 | 10.56 | 10.24 | 10.43 | 10.50 |
| Other Non-OECD | 16.11 | 17.07 | 17.67 | 16.95 | 16.90 | 17.49 | 18.01 | 17.32 | 17.27 | 18.01 | 18.57 | 17.80 | 16.96 | 17.43 | 17.92 |
| Total World Consumption | 87.90 | 87.00 | 88.68 | 88.31 | 88.24 | 87.89 | 89.66 | 89.33 | 89.39 | 89.18 | 90.60 | 90.31 | 87.98 | 88.78 | 89.87 |
| Inventory Net Withdrawals (million barrels per day) | | | | | | | | | | | | | | | |
| U.S. (50 States) | 0.27 | -0.42 | 0.29 | 0.32 | -0.28 | -0.26 | -0.18 | 0.57 | 0.10 | -0.41 | -0.12 | 0.50 | 0.12 | -0.04 | 0.02 |
| Other OECD | 0.22 | -0.09 | 0.20 | 0.32 | -0.31 | -0.34 | 0.34 | -0.21 | 0.00 | -0.08 | 0.27 | -0.29 | 0.16 | -0.13 | -0.02 |
| Other Stock Draws and Balance | 0.22 | 1.65 | 1.55 | -0.66 | -0.10 | -0.58 | 0.57 | -0.35 | -0.01 | -0.14 | 0.47 | -0.48 | 0.69 | -0.11 | -0.04 |
| Total Stock Draw | 0.71 | 1.14 | 2.04 | -0.02 | -0.69 | -1.18 | 0.74 | 0.00 | 0.08 | -0.63 | 0.62 | -0.28 | 0.97 | -0.28 | -0.05 |
| End-of-period Inventories (million barrels) | | | | | | | | | | | | | | | |
| U.S. Commercial Inventory | 1,043 | 1,081 | 1,085 | 1,056 | 1,081 | 1,105 | 1,121 | 1,069 | 1,060 | 1,098 | 1,109 | 1,063 | 1,056 | 1,069 | 1,063 |
| OECD Commercial Inventory | 2,618 | 2,664 | 2,649 | 2,590 | 2,644 | 2,698 | 2,683 | 2,651 | 2,642 | 2,687 | 2,673 | 2,654 | 2,590 | 2,651 | 2,654 |

- = 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.

Monthly OECD supply and consumption does not yet include Chile, Estonia, Israel, or Slovenia.

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

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

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

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

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

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

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

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

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

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

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

U.S. Energy Information Administration

Short-Term Energy Outlook - June 2012

| | 2011 | | | | 2012 | | | | 2013 | | | | Year | | |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2011 | 2012 | 2013 |
| North America | 16.39 | 16.38 | 16.67 | 17.40 | 17.46 | <i>17.54</i> | <i>17.54</i> | <i>17.85</i> | <i>17.87</i> | <i>18.01</i> | <i>18.09</i> | <i>18.29</i> | 16.71 | <i>17.60</i> | <i>18.07</i> |
| Canada | 3.67 | 3.42 | 3.71 | 3.86 | 3.78 | <i>3.74</i> | <i>3.75</i> | <i>3.87</i> | <i>3.86</i> | <i>3.90</i> | <i>4.01</i> | <i>4.04</i> | 3.66 | <i>3.78</i> | <i>3.96</i> |
| Mexico | 2.99 | 2.98 | 2.93 | 2.94 | 2.94 | <i>2.96</i> | <i>2.94</i> | <i>2.93</i> | <i>2.90</i> | <i>2.89</i> | <i>2.87</i> | <i>2.86</i> | 2.96 | <i>2.94</i> | <i>2.88</i> |
| United States | 9.73 | 9.98 | 10.02 | 10.61 | 10.74 | <i>10.84</i> | <i>10.85</i> | <i>11.06</i> | <i>11.11</i> | <i>11.22</i> | <i>11.21</i> | <i>11.39</i> | 10.09 | <i>10.87</i> | <i>11.23</i> |
| Central and South America | 4.80 | 4.79 | 4.85 | 4.95 | 4.90 | <i>4.81</i> | <i>4.90</i> | <i>4.93</i> | <i>4.99</i> | <i>5.04</i> | <i>5.11</i> | <i>5.16</i> | 4.85 | <i>4.88</i> | <i>5.07</i> |
| Argentina | 0.78 | 0.71 | 0.78 | 0.79 | 0.77 | <i>0.77</i> | <i>0.77</i> | <i>0.77</i> | <i>0.77</i> | <i>0.76</i> | <i>0.77</i> | <i>0.76</i> | 0.76 | <i>0.77</i> | <i>0.77</i> |
| Brazil | 2.67 | 2.68 | 2.67 | 2.76 | 2.75 | <i>2.65</i> | <i>2.72</i> | <i>2.74</i> | <i>2.78</i> | <i>2.82</i> | <i>2.86</i> | <i>2.89</i> | 2.69 | <i>2.72</i> | <i>2.84</i> |
| Colombia | 0.88 | 0.94 | 0.94 | 0.96 | 0.95 | <i>0.95</i> | <i>0.96</i> | <i>0.98</i> | <i>1.00</i> | <i>1.01</i> | <i>1.03</i> | <i>1.06</i> | 0.93 | <i>0.96</i> | <i>1.02</i> |
| Other Central and S. America | 0.47 | 0.46 | 0.46 | 0.45 | 0.44 | <i>0.44</i> | <i>0.44</i> | <i>0.44</i> | <i>0.45</i> | <i>0.45</i> | <i>0.45</i> | <i>0.45</i> | 0.46 | <i>0.44</i> | <i>0.45</i> |
| Europe | 4.54 | 4.27 | 4.07 | 4.30 | 4.32 | <i>4.23</i> | <i>4.03</i> | <i>4.19</i> | <i>4.16</i> | <i>4.02</i> | <i>3.92</i> | <i>4.05</i> | 4.29 | <i>4.19</i> | <i>4.04</i> |
| Norway | 2.11 | 1.95 | 1.95 | 2.03 | 2.07 | <i>2.05</i> | <i>1.91</i> | <i>2.00</i> | <i>1.95</i> | <i>1.95</i> | <i>1.89</i> | <i>1.98</i> | 2.01 | <i>2.01</i> | <i>1.94</i> |
| United Kingdom (offshore) | 1.23 | 1.13 | 0.91 | 1.07 | 1.06 | <i>1.00</i> | <i>0.95</i> | <i>1.04</i> | <i>1.07</i> | <i>0.95</i> | <i>0.90</i> | <i>0.94</i> | 1.08 | <i>1.01</i> | <i>0.96</i> |
| Other North Sea | 0.26 | 0.27 | 0.24 | 0.24 | 0.24 | <i>0.24</i> | <i>0.23</i> | <i>0.23</i> | <i>0.23</i> | <i>0.22</i> | <i>0.21</i> | <i>0.21</i> | 0.25 | <i>0.23</i> | <i>0.22</i> |
| Former Soviet Union (FSU) | 13.35 | 13.35 | 13.25 | 13.30 | 13.42 | <i>13.36</i> | <i>13.50</i> | <i>13.54</i> | <i>13.54</i> | <i>13.68</i> | <i>13.66</i> | <i>13.69</i> | 13.31 | <i>13.46</i> | <i>13.64</i> |
| Azerbaijan | 1.00 | 1.00 | 0.97 | 0.98 | 0.96 | <i>0.99</i> | <i>1.14</i> | <i>1.12</i> | <i>1.00</i> | <i>0.98</i> | <i>0.96</i> | <i>0.94</i> | 0.99 | <i>1.05</i> | <i>0.97</i> |
| Kazakhstan | 1.67 | 1.65 | 1.63 | 1.61 | 1.63 | <i>1.62</i> | <i>1.63</i> | <i>1.64</i> | <i>1.75</i> | <i>1.77</i> | <i>1.80</i> | <i>1.84</i> | 1.64 | <i>1.63</i> | <i>1.79</i> |
| Russia | 10.22 | 10.24 | 10.19 | 10.25 | 10.35 | <i>10.25</i> | <i>10.23</i> | <i>10.28</i> | <i>10.29</i> | <i>10.43</i> | <i>10.39</i> | <i>10.40</i> | 10.23 | <i>10.28</i> | <i>10.38</i> |
| Turkmenistan | 0.22 | 0.22 | 0.22 | 0.23 | 0.24 | <i>0.24</i> | <i>0.25</i> | <i>0.25</i> | <i>0.26</i> | <i>0.26</i> | <i>0.27</i> | <i>0.27</i> | 0.22 | <i>0.24</i> | <i>0.27</i> |
| Other FSU | 0.45 | 0.45 | 0.45 | 0.46 | 0.48 | <i>0.50</i> | <i>0.50</i> | <i>0.50</i> | <i>0.50</i> | <i>0.51</i> | <i>0.51</i> | <i>0.51</i> | 0.45 | <i>0.50</i> | <i>0.51</i> |
| Middle East | 1.56 | 1.40 | 1.44 | 1.34 | 1.26 | <i>1.30</i> | <i>1.32</i> | <i>1.41</i> | <i>1.43</i> | <i>1.43</i> | <i>1.43</i> | <i>1.43</i> | 1.43 | <i>1.32</i> | <i>1.43</i> |
| Oman | 0.89 | 0.87 | 0.90 | 0.89 | 0.88 | <i>0.88</i> | <i>0.88</i> | <i>0.88</i> | <i>0.88</i> | <i>0.88</i> | <i>0.88</i> | <i>0.88</i> | 0.89 | <i>0.88</i> | <i>0.88</i> |
| Syria | 0.38 | 0.38 | 0.34 | 0.23 | 0.19 | <i>0.21</i> | <i>0.24</i> | <i>0.32</i> | <i>0.35</i> | <i>0.35</i> | <i>0.34</i> | <i>0.34</i> | 0.33 | <i>0.24</i> | <i>0.34</i> |
| Yemen | 0.24 | 0.10 | 0.15 | 0.16 | 0.14 | <i>0.16</i> | <i>0.15</i> | <i>0.15</i> | <i>0.15</i> | <i>0.15</i> | <i>0.15</i> | <i>0.15</i> | 0.16 | <i>0.15</i> | <i>0.15</i> |
| Asia and Oceania | 8.83 | 8.64 | 8.55 | 8.71 | 8.81 | <i>8.91</i> | <i>9.01</i> | <i>9.05</i> | <i>9.05</i> | <i>9.10</i> | <i>9.15</i> | <i>9.12</i> | 8.68 | <i>8.95</i> | <i>9.11</i> |
| Australia | 0.46 | 0.45 | 0.46 | 0.55 | 0.55 | <i>0.55</i> | <i>0.56</i> | <i>0.53</i> | <i>0.53</i> | <i>0.54</i> | <i>0.56</i> | <i>0.53</i> | 0.48 | <i>0.55</i> | <i>0.54</i> |
| China | 4.36 | 4.33 | 4.22 | 4.26 | 4.31 | <i>4.41</i> | <i>4.49</i> | <i>4.54</i> | <i>4.50</i> | <i>4.53</i> | <i>4.54</i> | <i>4.55</i> | 4.29 | <i>4.44</i> | <i>4.53</i> |
| India | 0.95 | 0.95 | 0.94 | 0.94 | 0.94 | <i>0.94</i> | <i>0.94</i> | <i>0.94</i> | <i>0.95</i> | <i>0.95</i> | <i>0.95</i> | <i>0.94</i> | 0.94 | <i>0.94</i> | <i>0.95</i> |
| Indonesia | 0.99 | 0.97 | 0.97 | 0.96 | 0.97 | <i>0.97</i> | <i>0.97</i> | <i>0.97</i> | <i>0.97</i> | <i>0.97</i> | <i>0.97</i> | <i>0.97</i> | 0.97 | <i>0.97</i> | <i>0.97</i> |
| Malaysia | 0.66 | 0.58 | 0.59 | 0.61 | 0.65 | <i>0.63</i> | <i>0.63</i> | <i>0.65</i> | <i>0.67</i> | <i>0.68</i> | <i>0.70</i> | <i>0.68</i> | 0.61 | <i>0.64</i> | <i>0.68</i> |
| Vietnam | 0.33 | 0.31 | 0.31 | 0.34 | 0.34 | <i>0.36</i> | <i>0.37</i> | <i>0.37</i> | <i>0.37</i> | <i>0.38</i> | <i>0.39</i> | <i>0.39</i> | 0.32 | <i>0.36</i> | <i>0.38</i> |
| Africa | 2.62 | 2.60 | 2.62 | 2.64 | 2.40 | <i>2.28</i> | <i>2.31</i> | <i>2.31</i> | <i>2.39</i> | <i>2.54</i> | <i>2.63</i> | <i>2.65</i> | 2.62 | <i>2.33</i> | <i>2.55</i> |
| Egypt | 0.71 | 0.71 | 0.70 | 0.70 | 0.70 | <i>0.70</i> | <i>0.70</i> | <i>0.69</i> | <i>0.69</i> | <i>0.68</i> | <i>0.68</i> | <i>0.67</i> | 0.71 | <i>0.70</i> | <i>0.68</i> |
| Equatorial Guinea | 0.30 | 0.30 | 0.29 | 0.32 | 0.33 | <i>0.33</i> | <i>0.33</i> | <i>0.33</i> | <i>0.33</i> | <i>0.33</i> | <i>0.33</i> | <i>0.35</i> | 0.30 | <i>0.33</i> | <i>0.34</i> |
| Gabon | 0.25 | 0.23 | 0.24 | 0.25 | 0.25 | <i>0.25</i> | <i>0.25</i> | <i>0.25</i> | <i>0.25</i> | <i>0.25</i> | <i>0.26</i> | <i>0.26</i> | 0.24 | <i>0.25</i> | <i>0.26</i> |
| Sudan | 0.48 | 0.45 | 0.45 | 0.45 | 0.20 | <i>0.09</i> | <i>0.11</i> | <i>0.11</i> | <i>0.19</i> | <i>0.35</i> | <i>0.45</i> | <i>0.45</i> | 0.46 | <i>0.13</i> | <i>0.36</i> |
| Total non-OPEC liquids | 52.09 | 51.44 | 51.44 | 52.65 | 52.58 | <i>52.42</i> | <i>52.61</i> | <i>53.27</i> | <i>53.44</i> | <i>53.83</i> | <i>53.98</i> | <i>54.38</i> | 51.90 | <i>52.72</i> | <i>53.91</i> |
| OPEC non-crude liquids | 5.32 | 5.22 | 5.21 | 5.33 | 5.48 | <i>5.67</i> | <i>5.71</i> | <i>5.73</i> | <i>5.76</i> | <i>5.77</i> | <i>5.79</i> | <i>5.84</i> | 5.27 | <i>5.65</i> | <i>5.79</i> |
| Non-OPEC + OPEC non-crude | 57.41 | 56.66 | 56.65 | 57.98 | 58.06 | <i>58.09</i> | <i>58.32</i> | <i>59.01</i> | <i>59.20</i> | <i>59.60</i> | <i>59.77</i> | <i>60.22</i> | 57.17 | <i>58.37</i> | <i>59.70</i> |

- = no data available

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

Sudan production represents total production from both north and south.

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

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

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

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

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

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

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

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

U.S. Energy Information Administration | Short-Term Energy Outlook - June 2012

| | 2011 | | | | 2012 | | | | 2013 | | | | Year | | |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2011 | 2012 | 2013 |
| Crude Oil | | | | | | | | | | | | | | | |
| Algeria | 1.27 | 1.27 | 1.27 | 1.27 | 1.27 | - | - | - | - | - | - | - | 1.27 | - | - |
| Angola | 1.70 | 1.60 | 1.70 | 1.78 | 1.78 | - | - | - | - | - | - | - | 1.70 | - | - |
| Ecuador | 0.50 | 0.50 | 0.49 | 0.50 | 0.50 | - | - | - | - | - | - | - | 0.50 | - | - |
| Iran | 3.70 | 3.70 | 3.65 | 3.58 | 3.40 | - | - | - | - | - | - | - | 3.66 | - | - |
| Iraq | 2.53 | 2.53 | 2.63 | 2.70 | 2.64 | - | - | - | - | - | - | - | 2.60 | - | - |
| Kuwait | 2.33 | 2.50 | 2.53 | 2.55 | 2.60 | - | - | - | - | - | - | - | 2.48 | - | - |
| Libya | 1.09 | 0.17 | 0.07 | 0.55 | 1.18 | - | - | - | - | - | - | - | 0.47 | - | - |
| Nigeria | 2.13 | 2.15 | 2.19 | 2.03 | 2.12 | - | - | - | - | - | - | - | 2.13 | - | - |
| Qatar | 0.85 | 0.85 | 0.85 | 0.85 | 0.82 | - | - | - | - | - | - | - | 0.85 | - | - |
| Saudi Arabia | 9.03 | 9.13 | 9.80 | 9.70 | 9.87 | - | - | - | - | - | - | - | 9.42 | - | - |
| United Arab Emirates | 2.43 | 2.60 | 2.60 | 2.63 | 2.50 | - | - | - | - | - | - | - | 2.57 | - | - |
| Venezuela | 2.20 | 2.20 | 2.20 | 2.20 | 2.20 | - | - | - | - | - | - | - | 2.20 | - | - |
| OPEC Total | 29.78 | 29.20 | 29.99 | 30.35 | 30.87 | <i>30.98</i> | <i>30.61</i> | <i>30.32</i> | <i>30.11</i> | <i>30.21</i> | <i>30.22</i> | <i>30.36</i> | 29.83 | <i>30.69</i> | <i>30.22</i> |
| Other Liquids | 5.32 | 5.22 | 5.21 | 5.33 | 5.48 | 5.67 | 5.71 | 5.73 | 5.76 | 5.77 | 5.79 | 5.84 | 5.27 | 5.65 | 5.79 |
| Total OPEC Supply | 35.10 | 34.42 | 35.20 | 35.68 | 36.35 | <i>36.65</i> | <i>36.32</i> | <i>36.05</i> | <i>35.87</i> | <i>35.98</i> | <i>36.00</i> | <i>36.20</i> | 35.10 | <i>36.34</i> | <i>36.01</i> |
| Crude Oil Production Capacity | | | | | | | | | | | | | | | |
| Africa | 6.18 | 5.18 | 5.22 | 5.64 | 6.34 | 6.59 | 6.62 | 6.76 | 6.94 | 7.07 | 7.20 | 7.27 | 5.55 | 6.58 | 7.12 |
| South America | 2.70 | 2.70 | 2.69 | 2.69 | 2.70 | 2.69 | 2.70 | 2.69 | 2.69 | 2.69 | 2.68 | 2.68 | 2.70 | 2.69 | 2.69 |
| Middle East | 24.54 | 24.55 | 24.60 | 24.58 | 24.10 | 24.00 | 23.98 | 23.70 | 23.68 | 23.76 | 23.83 | 23.91 | 24.57 | 23.95 | 23.79 |
| OPEC Total | 33.42 | 32.43 | 32.51 | 32.92 | 33.14 | <i>33.28</i> | <i>33.29</i> | <i>33.15</i> | <i>33.31</i> | <i>33.51</i> | <i>33.72</i> | <i>33.86</i> | 32.82 | <i>33.21</i> | <i>33.60</i> |
| Surplus Crude Oil Production Capacity | | | | | | | | | | | | | | | |
| Africa | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| South America | 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 |
| Middle East | 3.64 | 3.23 | 2.52 | 2.55 | 2.26 | 2.30 | 2.68 | 2.83 | 3.20 | 3.30 | 3.50 | 3.50 | 2.98 | 2.52 | 3.38 |
| OPEC Total | 3.64 | 3.23 | 2.52 | 2.57 | 2.26 | <i>2.30</i> | <i>2.68</i> | <i>2.83</i> | <i>3.20</i> | <i>3.30</i> | <i>3.50</i> | <i>3.50</i> | 2.99 | <i>2.52</i> | <i>3.38</i> |

- = no data available

OPEC = Organization of Petroleum Exporting Countries: Algeria, Angola, Libya, and Nigeria (Africa); Ecuador and Venezuela (South America); Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates (Middle East).

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

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

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

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

Table 3d. World Liquid Fuels Consumption (million barrels per day)

U.S. Energy Information Administration | Short-Term Energy Outlook - June 2012

| | 2011 | | | | 2012 | | | | 2013 | | | | 2011 | 2012 | 2013 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | |
| North America | 23.40 | 22.97 | 23.23 | 23.05 | 22.66 | <i>22.90</i> | <i>23.43</i> | <i>23.24</i> | <i>23.05</i> | <i>23.15</i> | <i>23.40</i> | <i>23.24</i> | 23.16 | <i>23.06</i> | <i>23.21</i> |
| Canada | 2.25 | 2.15 | 2.29 | 2.26 | 2.21 | <i>2.14</i> | <i>2.26</i> | <i>2.23</i> | <i>2.22</i> | <i>2.15</i> | <i>2.27</i> | <i>2.24</i> | 2.24 | <i>2.21</i> | <i>2.22</i> |
| Mexico | 2.05 | 2.06 | 2.09 | 2.11 | 2.06 | <i>2.05</i> | <i>2.09</i> | <i>2.10</i> | <i>2.10</i> | <i>2.12</i> | <i>2.09</i> | <i>2.10</i> | 2.08 | <i>2.07</i> | <i>2.10</i> |
| United States | 19.09 | 18.75 | 18.84 | 18.68 | 18.38 | <i>18.70</i> | <i>19.06</i> | <i>18.90</i> | <i>18.72</i> | <i>18.87</i> | <i>19.03</i> | <i>18.89</i> | 18.84 | <i>18.76</i> | <i>18.88</i> |
| Central and South America | 6.26 | 6.49 | 6.51 | 6.49 | 6.44 | <i>6.68</i> | <i>6.70</i> | <i>6.68</i> | <i>6.66</i> | <i>6.90</i> | <i>6.92</i> | <i>6.90</i> | 6.43 | <i>6.62</i> | <i>6.85</i> |
| Brazil | 2.50 | 2.59 | 2.65 | 2.64 | 2.61 | <i>2.71</i> | <i>2.77</i> | <i>2.75</i> | <i>2.74</i> | <i>2.84</i> | <i>2.90</i> | <i>2.89</i> | 2.59 | <i>2.71</i> | <i>2.85</i> |
| Europe | 14.96 | 14.86 | 15.46 | 14.85 | 14.45 | <i>14.39</i> | <i>15.12</i> | <i>14.79</i> | <i>14.30</i> | <i>14.20</i> | <i>14.67</i> | <i>14.65</i> | 15.03 | <i>14.69</i> | <i>14.46</i> |
| Former Soviet Union | 4.58 | 4.51 | 4.77 | 4.76 | 4.70 | <i>4.62</i> | <i>4.89</i> | <i>4.89</i> | <i>4.83</i> | <i>4.74</i> | <i>5.02</i> | <i>5.02</i> | 4.66 | <i>4.77</i> | <i>4.90</i> |
| Russia | 3.09 | 3.05 | 3.22 | 3.22 | 3.16 | <i>3.12</i> | <i>3.30</i> | <i>3.29</i> | <i>3.23</i> | <i>3.19</i> | <i>3.37</i> | <i>3.36</i> | 3.15 | <i>3.22</i> | <i>3.29</i> |
| Middle East | 6.78 | 7.53 | 8.13 | 7.39 | 7.28 | <i>7.66</i> | <i>8.18</i> | <i>7.47</i> | <i>7.31</i> | <i>7.83</i> | <i>8.39</i> | <i>7.61</i> | 7.46 | <i>7.65</i> | <i>7.79</i> |
| Asia and Oceania | 28.57 | 27.31 | 27.28 | 28.42 | 29.24 | <i>28.19</i> | <i>27.93</i> | <i>28.81</i> | <i>29.62</i> | <i>28.77</i> | <i>28.63</i> | <i>29.29</i> | 27.89 | <i>28.54</i> | <i>29.08</i> |
| China | 9.99 | 9.78 | 9.57 | 9.82 | 10.13 | <i>10.10</i> | <i>10.34</i> | <i>10.30</i> | <i>10.59</i> | <i>10.55</i> | <i>10.84</i> | <i>10.55</i> | 9.79 | <i>10.22</i> | <i>10.63</i> |
| Japan | 4.86 | 3.92 | 4.32 | 4.82 | 5.23 | <i>4.21</i> | <i>4.17</i> | <i>4.57</i> | <i>5.06</i> | <i>4.27</i> | <i>4.30</i> | <i>4.72</i> | 4.48 | <i>4.55</i> | <i>4.58</i> |
| India | 3.38 | 3.37 | 3.09 | 3.34 | 3.48 | <i>3.50</i> | <i>3.18</i> | <i>3.43</i> | <i>3.60</i> | <i>3.59</i> | <i>3.29</i> | <i>3.56</i> | 3.29 | <i>3.40</i> | <i>3.51</i> |
| Africa | 3.36 | 3.34 | 3.31 | 3.35 | 3.47 | <i>3.45</i> | <i>3.43</i> | <i>3.46</i> | <i>3.62</i> | <i>3.59</i> | <i>3.57</i> | <i>3.60</i> | 3.34 | <i>3.45</i> | <i>3.59</i> |
| Total OECD Liquid Fuels Consumption | 46.25 | 44.48 | 45.89 | 45.72 | 45.37 | <i>44.28</i> | <i>45.46</i> | <i>45.58</i> | <i>45.44</i> | <i>44.44</i> | <i>45.13</i> | <i>45.60</i> | 45.58 | <i>45.17</i> | <i>45.16</i> |
| Total non-OECD Liquid Fuels Consumption | 41.65 | 42.51 | 42.80 | 42.59 | 42.87 | <i>43.61</i> | <i>44.21</i> | <i>43.74</i> | <i>43.94</i> | <i>44.74</i> | <i>45.47</i> | <i>44.70</i> | 42.39 | <i>43.61</i> | <i>44.72</i> |
| Total World Liquid Fuels Consumption | 87.90 | 87.00 | 88.68 | 88.31 | 88.24 | <i>87.89</i> | <i>89.66</i> | <i>89.33</i> | <i>89.39</i> | <i>89.18</i> | <i>90.60</i> | <i>90.31</i> | 87.98 | <i>88.78</i> | <i>89.87</i> |
| Oil-weighted Real Gross Domestic Product (a) | | | | | | | | | | | | | | | |
| World Index, 2007 Q1 = 100 | 109.8 | 110.2 | 111.1 | 111.7 | 112.7 | <i>113.6</i> | <i>114.6</i> | <i>115.6</i> | <i>116.4</i> | <i>117.5</i> | <i>118.7</i> | <i>119.8</i> | 110.7 | <i>114.1</i> | <i>118.1</i> |
| Percent change from prior year | 3.7 | 2.8 | 2.9 | 2.5 | 2.6 | <i>3.0</i> | <i>3.1</i> | <i>3.4</i> | <i>3.3</i> | <i>3.5</i> | <i>3.6</i> | <i>3.7</i> | 2.9 | <i>3.1</i> | <i>3.5</i> |
| OECD Index, 2007 Q1 = 100 | 101.5 | 101.8 | 102.4 | 102.7 | 103.1 | <i>103.4</i> | <i>103.9</i> | <i>104.4</i> | <i>104.9</i> | <i>105.5</i> | <i>106.2</i> | <i>106.9</i> | 102.1 | <i>103.7</i> | <i>105.9</i> |
| Percent change from prior year | 2.2 | 1.5 | 1.6 | 1.3 | 1.5 | <i>1.7</i> | <i>1.5</i> | <i>1.7</i> | <i>1.8</i> | <i>2.0</i> | <i>2.2</i> | <i>2.4</i> | 1.7 | <i>1.6</i> | <i>2.1</i> |
| Non-OECD Index, 2007 Q1 = 100 | 122.4 | 123.2 | 124.5 | 125.7 | 127.5 | <i>129.4</i> | <i>131.3</i> | <i>133.1</i> | <i>134.6</i> | <i>136.6</i> | <i>138.4</i> | <i>140.3</i> | 124.0 | <i>130.3</i> | <i>137.5</i> |
| Percent change from prior year | 5.7 | 4.7 | 4.7 | 4.1 | 4.2 | <i>5.0</i> | <i>5.5</i> | <i>5.8</i> | <i>5.5</i> | <i>5.6</i> | <i>5.4</i> | <i>5.4</i> | 4.8 | <i>5.1</i> | <i>5.5</i> |
| Real U.S. Dollar Exchange Rate (a) | | | | | | | | | | | | | | | |
| Index, January 2007 = 100 | 96.28 | 94.62 | 95.09 | 97.69 | 97.95 | <i>98.21</i> | <i>98.32</i> | <i>98.34</i> | <i>98.44</i> | <i>98.37</i> | <i>98.33</i> | <i>98.29</i> | 95.92 | <i>98.21</i> | <i>98.36</i> |
| Percent change from prior year | -1.9 | -5.2 | -3.9 | 0.8 | 1.7 | <i>3.8</i> | <i>3.4</i> | <i>0.7</i> | <i>0.5</i> | <i>0.2</i> | <i>0.0</i> | <i>-0.1</i> | -2.6 | <i>2.4</i> | <i>0.2</i> |

- = no data available

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

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

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

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

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

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.**Historical data:** Latest data available from Energy Information Administration international energy statistics; and International Energy Agency, Monthly Oil Data Service, latest monthly release.

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

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

Table 4a. U.S. Crude Oil and Liquid Fuels Supply, Consumption, and Inventories

U.S. Energy Information Administration | Short-Term Energy Outlook - June 2012

| | 2011 | | | | 2012 | | | | 2013 | | | | Year | | |
|--|--------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2011 | 2012 | 2013 |
| Supply (million barrels per day) | | | | | | | | | | | | | | | |
| Crude Oil Supply | | | | | | | | | | | | | | | |
| Domestic Production (a) | 5.54 | 5.60 | 5.58 | 5.98 | 6.16 | <i>6.25</i> | <i>6.32</i> | <i>6.55</i> | <i>6.65</i> | <i>6.70</i> | <i>6.69</i> | <i>6.85</i> | 5.67 | <i>6.32</i> | <i>6.73</i> |
| Alaska | 0.57 | 0.59 | 0.53 | 0.60 | 0.59 | <i>0.53</i> | <i>0.50</i> | <i>0.55</i> | <i>0.56</i> | <i>0.53</i> | <i>0.47</i> | <i>0.53</i> | 0.57 | <i>0.54</i> | <i>0.52</i> |
| Federal Gulf of Mexico (b) | 1.46 | 1.35 | 1.19 | 1.28 | 1.33 | <i>1.36</i> | <i>1.30</i> | <i>1.34</i> | <i>1.36</i> | <i>1.38</i> | <i>1.36</i> | <i>1.39</i> | 1.32 | <i>1.33</i> | <i>1.38</i> |
| Lower 48 States (excl GOM) | 3.51 | 3.67 | 3.86 | 4.10 | 4.24 | <i>4.35</i> | <i>4.53</i> | <i>4.66</i> | <i>4.74</i> | <i>4.79</i> | <i>4.86</i> | <i>4.93</i> | 3.79 | <i>4.44</i> | <i>4.83</i> |
| Crude Oil Net Imports (c) | 8.68 | 8.95 | 9.07 | 8.80 | 8.58 | <i>8.78</i> | <i>8.77</i> | <i>7.85</i> | <i>7.74</i> | <i>8.20</i> | <i>8.24</i> | <i>7.50</i> | 8.87 | <i>8.49</i> | <i>7.92</i> |
| SPR Net Withdrawals | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | 0.08 | <i>0.00</i> | <i>0.00</i> |
| Commercial Inventory Net Withdrawals | -0.32 | 0.05 | 0.29 | 0.01 | -0.41 | <i>-0.12</i> | <i>0.17</i> | <i>0.19</i> | <i>-0.25</i> | <i>0.05</i> | <i>0.14</i> | <i>0.16</i> | 0.01 | <i>-0.04</i> | <i>0.03</i> |
| Crude Oil Adjustment (d) | 0.35 | 0.22 | 0.23 | -0.01 | 0.20 | <i>0.10</i> | <i>0.07</i> | <i>0.05</i> | <i>0.09</i> | <i>0.14</i> | <i>0.07</i> | <i>0.05</i> | 0.20 | <i>0.10</i> | <i>0.09</i> |
| Total Crude Oil Input to Refineries | 14.23 | 14.81 | 15.50 | 14.78 | 14.54 | <i>15.01</i> | <i>15.34</i> | <i>14.64</i> | <i>14.23</i> | <i>15.10</i> | <i>15.14</i> | <i>14.55</i> | 14.83 | <i>14.88</i> | <i>14.76</i> |
| Other Supply | | | | | | | | | | | | | | | |
| Refinery Processing Gain | 1.03 | 1.06 | 1.13 | 1.12 | 1.05 | <i>1.06</i> | <i>1.09</i> | <i>1.07</i> | <i>1.05</i> | <i>1.06</i> | <i>1.08</i> | <i>1.07</i> | 1.08 | <i>1.07</i> | <i>1.07</i> |
| Natural Gas Liquids Production | 2.04 | 2.19 | 2.18 | 2.32 | 2.38 | <i>2.40</i> | <i>2.31</i> | <i>2.30</i> | <i>2.26</i> | <i>2.30</i> | <i>2.28</i> | <i>2.30</i> | 2.18 | <i>2.35</i> | <i>2.29</i> |
| Renewables and Oxygenate Production (e) | 0.95 | 0.94 | 0.94 | 0.98 | 0.95 | <i>0.93</i> | <i>0.94</i> | <i>0.95</i> | <i>0.95</i> | <i>0.95</i> | <i>0.95</i> | <i>0.95</i> | 0.95 | <i>0.94</i> | <i>0.95</i> |
| Fuel Ethanol Production | 0.91 | 0.89 | 0.90 | 0.94 | 0.92 | <i>0.90</i> | <i>0.91</i> | <i>0.92</i> | <i>0.92</i> | <i>0.92</i> | <i>0.92</i> | <i>0.92</i> | 0.91 | <i>0.91</i> | <i>0.92</i> |
| Petroleum Products Adjustment (f) | 0.18 | 0.19 | 0.19 | 0.21 | 0.20 | <i>0.20</i> | <i>0.19</i> | <i>0.19</i> | <i>0.19</i> | <i>0.20</i> | <i>0.21</i> | <i>0.21</i> | 0.19 | <i>0.20</i> | <i>0.20</i> |
| Product Net Imports (c) | 0.05 | 0.02 | -0.77 | -1.04 | -0.86 | <i>-0.72</i> | <i>-0.46</i> | <i>-0.62</i> | <i>-0.31</i> | <i>-0.29</i> | <i>-0.36</i> | <i>-0.54</i> | -0.44 | <i>-0.66</i> | <i>-0.38</i> |
| Pentanes Plus | 0.01 | 0.06 | -0.03 | -0.07 | -0.07 | <i>-0.02</i> | <i>-0.02</i> | <i>-0.02</i> | <i>-0.02</i> | <i>-0.01</i> | <i>-0.02</i> | <i>-0.02</i> | 0.00 | <i>-0.03</i> | <i>-0.02</i> |
| Liquefied Petroleum Gas | 0.04 | -0.08 | -0.05 | 0.02 | -0.03 | <i>-0.16</i> | <i>-0.18</i> | <i>-0.14</i> | <i>-0.10</i> | <i>-0.13</i> | <i>-0.07</i> | <i>-0.08</i> | -0.02 | <i>-0.13</i> | <i>-0.10</i> |
| Unfinished Oils | 0.62 | 0.65 | 0.63 | 0.60 | 0.53 | <i>0.61</i> | <i>0.68</i> | <i>0.62</i> | <i>0.56</i> | <i>0.63</i> | <i>0.66</i> | <i>0.61</i> | 0.62 | <i>0.61</i> | <i>0.62</i> |
| Other HC/Oxygenates | -0.10 | -0.11 | -0.11 | -0.15 | -0.11 | <i>-0.07</i> | <i>-0.11</i> | <i>-0.10</i> | <i>-0.11</i> | <i>-0.10</i> | <i>-0.09</i> | <i>-0.11</i> | -0.12 | <i>-0.10</i> | <i>-0.10</i> |
| Motor Gasoline Blend Comp. | 0.65 | 0.83 | 0.59 | 0.57 | 0.58 | <i>0.57</i> | <i>0.69</i> | <i>0.61</i> | <i>0.59</i> | <i>0.68</i> | <i>0.63</i> | <i>0.62</i> | 0.66 | <i>0.61</i> | <i>0.63</i> |
| Finished Motor Gasoline | -0.30 | -0.31 | -0.37 | -0.52 | -0.33 | <i>-0.19</i> | <i>-0.34</i> | <i>-0.47</i> | <i>-0.32</i> | <i>-0.30</i> | <i>-0.30</i> | <i>-0.51</i> | -0.37 | <i>-0.33</i> | <i>-0.36</i> |
| Jet Fuel | -0.04 | 0.01 | -0.03 | -0.05 | -0.10 | <i>-0.02</i> | <i>-0.01</i> | <i>-0.06</i> | <i>-0.03</i> | <i>0.01</i> | <i>-0.01</i> | <i>-0.06</i> | -0.03 | <i>-0.04</i> | <i>-0.02</i> |
| Distillate Fuel Oil | -0.44 | -0.62 | -0.75 | -0.90 | -0.76 | <i>-0.81</i> | <i>-0.59</i> | <i>-0.59</i> | <i>-0.48</i> | <i>-0.61</i> | <i>-0.57</i> | <i>-0.51</i> | -0.68 | <i>-0.69</i> | <i>-0.54</i> |
| Residual Fuel Oil | 0.02 | -0.03 | -0.22 | -0.08 | -0.10 | <i>-0.14</i> | <i>-0.13</i> | <i>-0.07</i> | <i>-0.06</i> | <i>-0.03</i> | <i>-0.16</i> | <i>-0.09</i> | -0.08 | <i>-0.11</i> | <i>-0.09</i> |
| Other Oils (g) | -0.39 | -0.38 | -0.45 | -0.50 | -0.47 | <i>-0.49</i> | <i>-0.44</i> | <i>-0.40</i> | <i>-0.34</i> | <i>-0.44</i> | <i>-0.43</i> | <i>-0.40</i> | -0.43 | <i>-0.45</i> | <i>-0.40</i> |
| Product Inventory Net Withdrawals | 0.60 | -0.46 | -0.33 | 0.31 | 0.13 | <i>-0.14</i> | <i>-0.35</i> | <i>0.37</i> | <i>0.35</i> | <i>-0.46</i> | <i>-0.27</i> | <i>0.34</i> | 0.03 | <i>0.00</i> | <i>-0.01</i> |
| Total Supply | 19.08 | 18.75 | 18.84 | 18.68 | 18.38 | <i>18.75</i> | <i>19.06</i> | <i>18.90</i> | <i>18.72</i> | <i>18.87</i> | <i>19.03</i> | <i>18.89</i> | 18.83 | <i>18.77</i> | <i>18.88</i> |
| Consumption (million barrels per day) | | | | | | | | | | | | | | | |
| Natural Gas Liquids and Other Liquids | | | | | | | | | | | | | | | |
| Pentanes Plus | 0.10 | 0.11 | 0.08 | 0.07 | 0.04 | <i>0.09</i> | <i>0.11</i> | <i>0.11</i> | <i>0.10</i> | <i>0.09</i> | <i>0.11</i> | <i>0.11</i> | 0.09 | <i>0.09</i> | <i>0.10</i> |
| Liquefied Petroleum Gas | 2.45 | 1.95 | 1.98 | 2.30 | 2.37 | <i>2.01</i> | <i>2.06</i> | <i>2.32</i> | <i>2.44</i> | <i>1.98</i> | <i>2.07</i> | <i>2.33</i> | 2.17 | <i>2.19</i> | <i>2.21</i> |
| Unfinished Oils | 0.06 | -0.03 | 0.00 | -0.03 | 0.09 | <i>0.01</i> | <i>0.00</i> | <i>0.00</i> | <i>0.01</i> | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | 0.00 | <i>0.03</i> | <i>0.00</i> |
| Finished Liquid Fuels | | | | | | | | | | | | | | | |
| Motor Gasoline | 8.60 | 8.86 | 8.87 | 8.60 | 8.48 | <i>8.82</i> | <i>8.87</i> | <i>8.60</i> | <i>8.41</i> | <i>8.81</i> | <i>8.84</i> | <i>8.58</i> | 8.74 | <i>8.69</i> | <i>8.66</i> |
| Jet Fuel | 1.36 | 1.47 | 1.48 | 1.38 | 1.35 | <i>1.43</i> | <i>1.48</i> | <i>1.40</i> | <i>1.37</i> | <i>1.46</i> | <i>1.46</i> | <i>1.39</i> | 1.43 | <i>1.41</i> | <i>1.42</i> |
| Distillate Fuel Oil | 3.95 | 3.75 | 3.78 | 3.93 | 3.81 | <i>3.76</i> | <i>3.86</i> | <i>4.00</i> | <i>3.99</i> | <i>3.86</i> | <i>3.90</i> | <i>4.05</i> | 3.85 | <i>3.86</i> | <i>3.95</i> |
| Residual Fuel Oil | 0.60 | 0.52 | 0.37 | 0.44 | 0.41 | <i>0.43</i> | <i>0.41</i> | <i>0.45</i> | <i>0.48</i> | <i>0.52</i> | <i>0.40</i> | <i>0.43</i> | 0.48 | <i>0.43</i> | <i>0.46</i> |
| Other Oils (f) | 1.96 | 2.11 | 2.26 | 1.98 | 1.84 | <i>2.13</i> | <i>2.27</i> | <i>2.02</i> | <i>1.93</i> | <i>2.15</i> | <i>2.24</i> | <i>2.00</i> | 2.08 | <i>2.06</i> | <i>2.08</i> |
| Total Consumption | 19.09 | 18.75 | 18.84 | 18.68 | 18.38 | <i>18.70</i> | <i>19.06</i> | <i>18.90</i> | <i>18.72</i> | <i>18.87</i> | <i>19.03</i> | <i>18.89</i> | 18.84 | <i>18.76</i> | <i>18.88</i> |
| Total Liquid Fuels Net Imports | 8.74 | 8.97 | 8.29 | 7.76 | 7.72 | <i>8.07</i> | <i>8.31</i> | <i>7.23</i> | <i>7.42</i> | <i>7.91</i> | <i>7.87</i> | <i>6.96</i> | 8.44 | <i>7.83</i> | <i>7.54</i> |
| End-of-period Inventories (million barrels) | | | | | | | | | | | | | | | |
| Commercial Inventory | | | | | | | | | | | | | | | |
| Crude Oil (excluding SPR) | 362.6 | 358.5 | 331.8 | 330.9 | 368.1 | <i>378.9</i> | <i>363.0</i> | <i>345.4</i> | <i>367.8</i> | <i>363.1</i> | <i>350.0</i> | <i>335.5</i> | 330.9 | <i>345.4</i> | <i>335.5</i> |
| Pentanes Plus | 10.8 | 15.3 | 16.8 | 17.6 | 15.9 | <i>17.3</i> | <i>17.5</i> | <i>15.2</i> | <i>14.7</i> | <i>16.2</i> | <i>16.9</i> | <i>14.5</i> | 17.6 | <i>15.2</i> | <i>14.5</i> |
| Liquefied Petroleum Gas | 68.7 | 105.3 | 132.5 | 111.1 | 102.0 | <i>143.9</i> | <i>162.9</i> | <i>122.4</i> | <i>87.4</i> | <i>126.4</i> | <i>151.4</i> | <i>115.8</i> | 111.1 | <i>122.4</i> | <i>115.8</i> |
| Unfinished Oils | 87.4 | 91.9 | 89.1 | 79.1 | 90.8 | <i>87.0</i> | <i>85.8</i> | <i>80.3</i> | <i>89.7</i> | <i>87.6</i> | <i>85.7</i> | <i>79.8</i> | 79.1 | <i>80.3</i> | <i>79.8</i> |
| Other HC/Oxygenates | 23.2 | 21.2 | 20.7 | 21.3 | 26.0 | <i>23.8</i> | <i>24.3</i> | <i>23.6</i> | <i>25.0</i> | <i>24.3</i> | <i>24.8</i> | <i>24.1</i> | 21.3 | <i>23.6</i> | <i>24.1</i> |
| Total Motor Gasoline | 214.9 | 215.2 | 216.1 | 224.3 | 218.8 | <i>208.4</i> | <i>213.4</i> | <i>222.7</i> | <i>222.7</i> | <i>217.4</i> | <i>215.0</i> | <i>226.2</i> | 224.3 | <i>222.7</i> | <i>226.2</i> |
| Finished Motor Gasoline | 60.8 | 56.4 | 57.1 | 61.4 | 54.4 | <i>52.5</i> | <i>53.6</i> | <i>55.2</i> | <i>54.6</i> | <i>56.3</i> | <i>56.4</i> | <i>59.2</i> | 61.4 | <i>55.2</i> | <i>59.2</i> |
| Motor Gasoline Blend Comp. | 154.1 | 158.8 | 159.0 | 162.8 | 164.4 | <i>155.9</i> | <i>159.8</i> | <i>167.5</i> | <i>168.2</i> | <i>161.1</i> | <i>158.7</i> | <i>167.0</i> | 162.8 | <i>167.5</i> | <i>167.0</i> |
| Jet Fuel | 40.0 | 42.3 | 46.0 | 41.7 | 39.1 | <i>40.3</i> | <i>42.5</i> | <i>40.5</i> | <i>41.0</i> | <i>42.6</i> | <i>43.8</i> | <i>41.1</i> | 41.7 | <i>40.5</i> | <i>41.1</i> |
| Distillate Fuel Oil | 148.5 | 143.7 | 153.7 | 149.7 | 133.8 | <i>124.5</i> | <i>136.7</i> | <i>139.8</i> | <i>123.8</i> | <i>133.8</i> | <i>144.0</i> | <i>146.2</i> | 149.7 | <i>139.8</i> | <i>146.2</i> |
| Residual Fuel Oil | 37.1 | 37.4 | 34.6 | 34.1 | 36.3 | <i>32.2</i> | <i>33.0</i> | <i>35.9</i> | <i>35.8</i> | <i>36.5</i> | <i>34.9</i> | <i>36.7</i> | 34.1 | <i>35.9</i> | <i>36.7</i> |
| Other Oils (f) | 49.6 | 50.5 | 43.8 | 45.8 | 50.4 | <i>48.3</i> | <i>41.7</i> | <i>43.0</i> | <i>52.3</i> | <i>49.6</i> | <i>42.6</i> | <i>43.5</i> | 45.8 | <i>43.0</i> | <i>43.5</i> |
| Total Commercial Inventory | 1,043 | 1,081 | 1,085 | 1,056 | 1,081 | <i>1,105</i> | <i>1,121</i> | <i>1,069</i> | <i>1,060</i> | <i>1,098</i> | <i>1,109</i> | <i>1,063</i> | 1,056 | <i>1,069</i> | <i>1,063</i> |
| Crude Oil in SPR | 727 | 727 | 696 | 696 | 696 | <i>696</i> | <i>696</i> | <i>696</i> | <i>696</i> | <i>696</i> | <i>696</i> | <i>696</i> | 696 | <i>696</i> | <i>696</i> |
| Heating Oil Reserve | 0.0 | 0.0 </ | | | | | | | | | | | | | |

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

U.S. Energy Information Administration | Short-Term Energy Outlook - June 2012

| | 2011 | | | | 2012 | | | | 2013 | | | | Year | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2011 | 2012 | 2013 |
| Refinery and Blender Net Inputs | | | | | | | | | | | | | | | |
| Crude Oil | 14.23 | 14.81 | 15.50 | 14.78 | 14.54 | <i>15.01</i> | <i>15.34</i> | <i>14.64</i> | <i>14.23</i> | <i>15.10</i> | <i>15.14</i> | <i>14.55</i> | 14.83 | <i>14.88</i> | <i>14.76</i> |
| Pentanes Plus | 0.17 | 0.18 | 0.17 | 0.17 | 0.17 | <i>0.17</i> | <i>0.17</i> | <i>0.18</i> | <i>0.16</i> | <i>0.17</i> | <i>0.17</i> | <i>0.18</i> | 0.17 | <i>0.17</i> | <i>0.17</i> |
| Liquefied Petroleum Gas | 0.34 | 0.26 | 0.27 | 0.39 | 0.33 | <i>0.26</i> | <i>0.27</i> | <i>0.39</i> | <i>0.33</i> | <i>0.25</i> | <i>0.27</i> | <i>0.39</i> | 0.32 | <i>0.31</i> | <i>0.31</i> |
| Other Hydrocarbons/Oxygenates | 0.96 | 1.01 | 1.04 | 1.03 | 1.00 | <i>1.02</i> | <i>1.01</i> | <i>1.02</i> | <i>1.02</i> | <i>1.06</i> | <i>1.05</i> | <i>1.05</i> | 1.01 | <i>1.01</i> | <i>1.04</i> |
| Unfinished Oils | 0.48 | 0.63 | 0.66 | 0.74 | 0.31 | <i>0.63</i> | <i>0.69</i> | <i>0.67</i> | <i>0.45</i> | <i>0.66</i> | <i>0.69</i> | <i>0.67</i> | 0.63 | <i>0.58</i> | <i>0.62</i> |
| Motor Gasoline Blend Components | 0.60 | 0.82 | 0.54 | 0.44 | 0.45 | <i>0.65</i> | <i>0.64</i> | <i>0.53</i> | <i>0.56</i> | <i>0.75</i> | <i>0.65</i> | <i>0.53</i> | 0.60 | <i>0.57</i> | <i>0.62</i> |
| Aviation Gasoline Blend Components | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | 0.00 | <i>0.00</i> | <i>0.00</i> |
| Total Refinery and Blender Net Inputs | 16.78 | 17.72 | 18.18 | 17.55 | 16.79 | <i>17.74</i> | <i>18.12</i> | <i>17.42</i> | <i>16.75</i> | <i>17.99</i> | <i>17.98</i> | <i>17.37</i> | 17.56 | <i>17.52</i> | <i>17.52</i> |
| Refinery Processing Gain | 1.03 | 1.06 | 1.13 | 1.12 | 1.05 | <i>1.06</i> | <i>1.09</i> | <i>1.07</i> | <i>1.05</i> | <i>1.06</i> | <i>1.08</i> | <i>1.07</i> | 1.08 | <i>1.07</i> | <i>1.07</i> |
| Refinery and Blender Net Production | | | | | | | | | | | | | | | |
| Liquefied Petroleum Gas | 0.52 | 0.81 | 0.74 | 0.42 | 0.53 | <i>0.80</i> | <i>0.73</i> | <i>0.41</i> | <i>0.51</i> | <i>0.81</i> | <i>0.73</i> | <i>0.41</i> | 0.62 | <i>0.62</i> | <i>0.62</i> |
| Finished Motor Gasoline | 8.76 | 9.12 | 9.19 | 9.06 | 8.61 | <i>8.95</i> | <i>9.19</i> | <i>9.05</i> | <i>8.67</i> | <i>9.10</i> | <i>9.11</i> | <i>9.08</i> | 9.03 | <i>8.95</i> | <i>8.99</i> |
| Jet Fuel | 1.37 | 1.49 | 1.55 | 1.39 | 1.42 | <i>1.46</i> | <i>1.51</i> | <i>1.43</i> | <i>1.40</i> | <i>1.46</i> | <i>1.49</i> | <i>1.42</i> | 1.45 | <i>1.45</i> | <i>1.44</i> |
| Distillate Fuel | 4.21 | 4.31 | 4.63 | 4.78 | 4.39 | <i>4.47</i> | <i>4.59</i> | <i>4.62</i> | <i>4.30</i> | <i>4.57</i> | <i>4.58</i> | <i>4.58</i> | 4.49 | <i>4.52</i> | <i>4.51</i> |
| Residual Fuel | 0.53 | 0.55 | 0.56 | 0.51 | 0.54 | <i>0.53</i> | <i>0.55</i> | <i>0.55</i> | <i>0.55</i> | <i>0.56</i> | <i>0.54</i> | <i>0.54</i> | 0.54 | <i>0.54</i> | <i>0.54</i> |
| Other Oils (a) | 2.41 | 2.50 | 2.64 | 2.51 | 2.35 | <i>2.61</i> | <i>2.63</i> | <i>2.43</i> | <i>2.37</i> | <i>2.56</i> | <i>2.60</i> | <i>2.41</i> | 2.51 | <i>2.51</i> | <i>2.48</i> |
| Total Refinery and Blender Net Production | 17.80 | 18.78 | 19.31 | 18.67 | 17.84 | <i>18.81</i> | <i>19.21</i> | <i>18.49</i> | <i>17.80</i> | <i>19.05</i> | <i>19.06</i> | <i>18.44</i> | 18.64 | <i>18.59</i> | <i>18.59</i> |
| Refinery Distillation Inputs | 14.69 | 15.22 | 15.93 | 15.27 | 14.89 | <i>15.26</i> | <i>15.65</i> | <i>14.99</i> | <i>14.56</i> | <i>15.41</i> | <i>15.47</i> | <i>14.91</i> | 15.28 | <i>15.20</i> | <i>15.09</i> |
| Refinery Operable Distillation Capacity | 17.70 | 17.74 | 17.74 | 17.73 | 17.29 | <i>17.30</i> | <i>17.29</i> | <i>17.29</i> | <i>17.29</i> | <i>17.29</i> | <i>17.29</i> | <i>17.29</i> | 17.73 | <i>17.29</i> | <i>17.29</i> |
| Refinery Distillation Utilization Factor | 0.83 | 0.86 | 0.90 | 0.86 | 0.86 | <i>0.88</i> | <i>0.90</i> | <i>0.87</i> | <i>0.84</i> | <i>0.89</i> | <i>0.89</i> | <i>0.86</i> | 0.86 | <i>0.88</i> | <i>0.87</i> |

- = no data available

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

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.**Historical data:** Latest data available from Energy Information Administration databases supporting the following reports: *Petroleum Supply Monthly*, DOE/EIA-0109; *Petroleum Supply Annual*, DOE/EIA-0340/2; *Weekly Petroleum Status Report*, DOE/EIA-0208.

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

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

Table 4c. U.S. Regional Motor Gasoline Prices and Inventories

U.S. Energy Information Administration | Short-Term Energy Outlook - June 2012

| | 2011 | | | | 2012 | | | | 2013 | | | | Year | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2011 | 2012 | 2013 |
| Prices (cents per gallon) | | | | | | | | | | | | | | | |
| Refiner Wholesale Price | 267 | 312 | 297 | 271 | 297 | <i>294</i> | <i>282</i> | <i>275</i> | <i>281</i> | <i>290</i> | <i>289</i> | <i>273</i> | 287 | <i>287</i> | <i>283</i> |
| Gasoline Regular Grade Retail Prices Including Taxes | | | | | | | | | | | | | | | |
| PADD 1 | 329 | 377 | 364 | 337 | 363 | <i>366</i> | <i>348</i> | <i>344</i> | <i>347</i> | <i>356</i> | <i>356</i> | <i>343</i> | 352 | <i>355</i> | <i>351</i> |
| PADD 2 | 326 | 380 | 364 | 329 | 355 | <i>362</i> | <i>348</i> | <i>336</i> | <i>341</i> | <i>353</i> | <i>354</i> | <i>335</i> | 350 | <i>350</i> | <i>346</i> |
| PADD 3 | 314 | 365 | 349 | 317 | 346 | <i>353</i> | <i>333</i> | <i>326</i> | <i>330</i> | <i>343</i> | <i>342</i> | <i>325</i> | 336 | <i>339</i> | <i>335</i> |
| PADD 4 | 311 | 365 | 355 | 337 | 322 | <i>368</i> | <i>344</i> | <i>336</i> | <i>332</i> | <i>349</i> | <i>355</i> | <i>337</i> | 342 | <i>342</i> | <i>344</i> |
| PADD 5 | 353 | 400 | 377 | 368 | 390 | <i>407</i> | <i>379</i> | <i>372</i> | <i>370</i> | <i>381</i> | <i>384</i> | <i>370</i> | 375 | <i>387</i> | <i>376</i> |
| U.S. Average | 329 | 380 | 363 | 337 | 361 | <i>370</i> | <i>351</i> | <i>344</i> | <i>346</i> | <i>357</i> | <i>358</i> | <i>342</i> | 353 | <i>356</i> | <i>351</i> |
| Gasoline All Grades Including Taxes | 335 | 385 | 369 | 342 | 367 | <i>376</i> | <i>357</i> | <i>349</i> | <i>352</i> | <i>363</i> | <i>364</i> | <i>348</i> | 358 | <i>362</i> | <i>357</i> |
| End-of-period Inventories (million barrels) | | | | | | | | | | | | | | | |
| Total Gasoline Inventories | | | | | | | | | | | | | | | |
| PADD 1 | 55.0 | 55.1 | 56.4 | 59.1 | 57.1 | <i>55.9</i> | <i>56.0</i> | <i>59.6</i> | <i>58.6</i> | <i>58.2</i> | <i>56.8</i> | <i>61.5</i> | 59.1 | <i>59.6</i> | <i>61.5</i> |
| PADD 2 | 50.5 | 49.5 | 49.9 | 52.1 | 52.5 | <i>48.9</i> | <i>50.5</i> | <i>50.5</i> | <i>51.2</i> | <i>50.4</i> | <i>49.8</i> | <i>50.7</i> | 52.1 | <i>50.5</i> | <i>50.7</i> |
| PADD 3 | 70.3 | 73.5 | 75.0 | 75.8 | 71.4 | <i>71.3</i> | <i>72.8</i> | <i>76.0</i> | <i>76.6</i> | <i>74.1</i> | <i>73.9</i> | <i>77.8</i> | 75.8 | <i>76.0</i> | <i>77.8</i> |
| PADD 4 | 6.5 | 6.6 | 5.9 | 7.6 | 6.5 | <i>6.1</i> | <i>6.2</i> | <i>6.7</i> | <i>6.6</i> | <i>6.2</i> | <i>6.2</i> | <i>6.7</i> | 7.6 | <i>6.7</i> | <i>6.7</i> |
| PADD 5 | 32.7 | 30.4 | 28.9 | 29.6 | 31.3 | <i>26.2</i> | <i>27.8</i> | <i>29.8</i> | <i>29.8</i> | <i>28.5</i> | <i>28.3</i> | <i>29.5</i> | 29.6 | <i>29.8</i> | <i>29.5</i> |
| U.S. Total | 214.9 | 215.2 | 216.1 | 224.3 | 218.8 | <i>208.4</i> | <i>213.4</i> | <i>222.7</i> | <i>222.7</i> | <i>217.4</i> | <i>215.0</i> | <i>226.2</i> | 224.3 | <i>222.7</i> | <i>226.2</i> |
| Finished Gasoline Inventories | | | | | | | | | | | | | | | |
| U.S. Total | 60.8 | 56.4 | 57.1 | 61.4 | 54.4 | <i>52.5</i> | <i>53.6</i> | <i>55.2</i> | <i>54.6</i> | <i>56.3</i> | <i>56.4</i> | <i>59.2</i> | 61.4 | <i>55.2</i> | <i>59.2</i> |
| Gasoline Blending Components Inventories | | | | | | | | | | | | | | | |
| U.S. Total | 154.1 | 158.8 | 159.0 | 162.8 | 164.4 | <i>155.9</i> | <i>159.8</i> | <i>167.5</i> | <i>168.2</i> | <i>161.1</i> | <i>158.7</i> | <i>167.0</i> | 162.8 | <i>167.5</i> | <i>167.0</i> |

- = no data available

Prices are not adjusted for inflation.

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

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

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

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

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

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

Table 5a. U.S. Natural Gas Supply, Consumption, and Inventories

U.S. Energy Information Administration | Short-Term Energy Outlook - June 2012

| | 2011 | | | | 2012 | | | | 2013 | | | | Year | | |
|---|--------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2011 | 2012 | 2013 |
| Supply (billion cubic feet per day) | | | | | | | | | | | | | | | |
| Total Marketed Production | 63.83 | 65.96 | 66.30 | 68.74 | 68.64 | <i>68.27</i> | <i>68.29</i> | <i>68.69</i> | <i>69.35</i> | <i>69.61</i> | <i>69.76</i> | <i>69.86</i> | 66.22 | <i>68.47</i> | <i>69.65</i> |
| Alaska | 1.12 | 1.00 | 0.86 | 1.02 | 1.07 | <i>0.79</i> | <i>0.89</i> | <i>0.91</i> | <i>0.93</i> | <i>0.88</i> | <i>0.95</i> | <i>0.95</i> | 1.00 | <i>0.92</i> | <i>0.93</i> |
| Federal GOM (a) | 5.60 | 5.23 | 4.54 | 4.58 | 4.57 | <i>4.56</i> | <i>4.26</i> | <i>4.37</i> | <i>4.77</i> | <i>4.77</i> | <i>4.58</i> | <i>4.69</i> | 4.98 | <i>4.44</i> | <i>4.70</i> |
| Lower 48 States (excl GOM) | 57.10 | 59.73 | 60.90 | 63.14 | 63.00 | <i>62.92</i> | <i>63.14</i> | <i>63.41</i> | <i>63.65</i> | <i>63.96</i> | <i>64.23</i> | <i>64.22</i> | 60.24 | <i>63.12</i> | <i>64.02</i> |
| Total Dry Gas Production | 60.83 | 62.75 | 63.10 | 65.32 | 65.08 | <i>64.71</i> | <i>64.73</i> | <i>65.10</i> | <i>65.73</i> | <i>65.98</i> | <i>66.11</i> | <i>66.21</i> | 63.01 | <i>64.91</i> | <i>66.01</i> |
| Gross Imports | 11.04 | 8.95 | 8.97 | 8.95 | 8.98 | <i>8.19</i> | <i>8.74</i> | <i>9.23</i> | <i>10.07</i> | <i>8.56</i> | <i>9.07</i> | <i>9.20</i> | 9.47 | <i>8.78</i> | <i>9.22</i> |
| Pipeline | 9.80 | 7.89 | 8.20 | 8.17 | 8.37 | <i>7.45</i> | <i>8.17</i> | <i>8.59</i> | <i>9.28</i> | <i>7.82</i> | <i>8.49</i> | <i>8.56</i> | 8.51 | <i>8.14</i> | <i>8.54</i> |
| LNG | 1.23 | 1.05 | 0.77 | 0.78 | 0.61 | <i>0.74</i> | <i>0.58</i> | <i>0.64</i> | <i>0.79</i> | <i>0.74</i> | <i>0.58</i> | <i>0.64</i> | 0.96 | <i>0.64</i> | <i>0.69</i> |
| Gross Exports | 4.51 | 4.16 | 3.82 | 4.04 | 4.41 | <i>4.21</i> | <i>3.88</i> | <i>4.18</i> | <i>4.66</i> | <i>4.25</i> | <i>4.09</i> | <i>4.31</i> | 4.13 | <i>4.17</i> | <i>4.33</i> |
| Net Imports | 6.53 | 4.79 | 5.15 | 4.91 | 4.57 | <i>3.98</i> | <i>4.86</i> | <i>5.05</i> | <i>5.41</i> | <i>4.31</i> | <i>4.98</i> | <i>4.88</i> | 5.34 | <i>4.62</i> | <i>4.89</i> |
| Supplemental Gaseous Fuels | 0.19 | 0.14 | 0.16 | 0.18 | 0.19 | <i>0.16</i> | <i>0.17</i> | <i>0.19</i> | <i>0.19</i> | <i>0.16</i> | <i>0.17</i> | <i>0.19</i> | 0.17 | <i>0.17</i> | <i>0.18</i> |
| Net Inventory Withdrawals | 16.98 | -10.45 | -9.63 | -0.51 | 10.61 | <i>-7.18</i> | <i>-7.68</i> | <i>4.69</i> | <i>16.37</i> | <i>-10.48</i> | <i>-8.76</i> | <i>4.94</i> | -0.97 | <i>0.10</i> | <i>0.46</i> |
| Total Supply | 84.53 | 57.23 | 58.78 | 69.91 | 80.45 | <i>61.67</i> | <i>62.07</i> | <i>75.03</i> | <i>87.70</i> | <i>59.95</i> | <i>62.51</i> | <i>76.21</i> | 67.55 | <i>69.80</i> | <i>71.54</i> |
| Balancing Item (b) | -0.67 | -0.62 | -0.11 | -1.77 | 0.08 | <i>-0.60</i> | <i>-0.66</i> | <i>-0.17</i> | <i>-0.28</i> | <i>0.26</i> | <i>0.05</i> | <i>-1.02</i> | -0.80 | <i>-0.34</i> | <i>-0.25</i> |
| Total Primary Supply | 83.86 | 56.61 | 58.67 | 68.13 | 80.53 | <i>61.07</i> | <i>61.41</i> | <i>74.86</i> | <i>87.43</i> | <i>60.22</i> | <i>62.56</i> | <i>75.20</i> | 66.75 | <i>69.46</i> | <i>71.29</i> |
| Consumption (billion cubic feet per day) | | | | | | | | | | | | | | | |
| Residential | 26.11 | 7.58 | 3.73 | 14.65 | 20.65 | <i>6.67</i> | <i>3.71</i> | <i>17.25</i> | <i>24.69</i> | <i>6.84</i> | <i>3.64</i> | <i>16.82</i> | 12.96 | <i>12.06</i> | <i>12.95</i> |
| Commercial | 14.74 | 5.90 | 4.36 | 9.75 | 12.12 | <i>5.00</i> | <i>4.08</i> | <i>10.49</i> | <i>13.90</i> | <i>5.40</i> | <i>3.91</i> | <i>10.33</i> | 8.66 | <i>7.92</i> | <i>8.37</i> |
| Industrial | 20.17 | 17.79 | 17.31 | 18.94 | 19.72 | <i>17.95</i> | <i>17.73</i> | <i>19.38</i> | <i>20.63</i> | <i>18.14</i> | <i>17.94</i> | <i>19.46</i> | 18.55 | <i>18.69</i> | <i>19.04</i> |
| Electric Power (c) | 16.75 | 19.88 | 27.74 | 18.85 | 21.76 | <i>25.86</i> | <i>30.24</i> | <i>21.76</i> | <i>21.62</i> | <i>24.11</i> | <i>31.29</i> | <i>22.53</i> | 20.83 | <i>24.91</i> | <i>24.91</i> |
| Lease and Plant Fuel | 3.65 | 3.78 | 3.79 | 3.93 | 3.93 | <i>3.91</i> | <i>3.91</i> | <i>3.93</i> | <i>3.97</i> | <i>3.98</i> | <i>3.99</i> | <i>4.00</i> | 3.79 | <i>3.92</i> | <i>3.99</i> |
| Pipeline and Distribution Use | 2.36 | 1.59 | 1.65 | 1.92 | 2.27 | <i>1.60</i> | <i>1.66</i> | <i>1.96</i> | <i>2.52</i> | <i>1.65</i> | <i>1.69</i> | <i>1.96</i> | 1.88 | <i>1.87</i> | <i>1.95</i> |
| Vehicle Use | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | <i>0.09</i> | <i>0.09</i> | <i>0.09</i> | <i>0.09</i> | <i>0.09</i> | <i>0.09</i> | <i>0.09</i> | 0.09 | <i>0.09</i> | <i>0.09</i> |
| Total Consumption | 83.86 | 56.61 | 58.67 | 68.13 | 80.53 | <i>61.07</i> | <i>61.41</i> | <i>74.86</i> | <i>87.43</i> | <i>60.22</i> | <i>62.56</i> | <i>75.20</i> | 66.75 | <i>69.46</i> | <i>71.29</i> |
| End-of-period Inventories (billion cubic feet) | | | | | | | | | | | | | | | |
| Working Gas Inventory | 1,581 | 2,530 | 3,416 | 3,462 | 2,477 | <i>3,131</i> | <i>3,837</i> | <i>3,406</i> | <i>1,932</i> | <i>2,886</i> | <i>3,692</i> | <i>3,238</i> | 3,462 | <i>3,406</i> | <i>3,238</i> |
| Producing Region (d) | 738 | 992 | 1,070 | 1,193 | 1,034 | <i>1,125</i> | <i>1,223</i> | <i>1,155</i> | <i>830</i> | <i>1,051</i> | <i>1,165</i> | <i>1,095</i> | 1,193 | <i>1,155</i> | <i>1,095</i> |
| East Consuming Region (d) | 618 | 1,188 | 1,879 | 1,822 | 1,090 | <i>1,546</i> | <i>2,088</i> | <i>1,792</i> | <i>823</i> | <i>1,418</i> | <i>2,035</i> | <i>1,709</i> | 1,822 | <i>1,792</i> | <i>1,709</i> |
| West Consuming Region (d) | 225 | 350 | 468 | 447 | 353 | <i>460</i> | <i>526</i> | <i>458</i> | <i>280</i> | <i>417</i> | <i>491</i> | <i>434</i> | 447 | <i>458</i> | <i>434</i> |

- = no data available

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

(b) The balancing item represents the difference between the sum of the components of natural gas supply and the sum of components of natural gas demand.

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

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

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

LNG: liquefied natural gas.

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

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

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

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

U.S. Energy Information Administration | Short-Term Energy Outlook - June 2012

| | 2011 | | | | 2012 | | | | 2013 | | | | Year | | |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2011 | 2012 | 2013 |
| Wholesale/Spot | | | | | | | | | | | | | | | |
| U.S. Average Wellhead | 4.06 | 4.10 | 4.10 | 3.37 | 2.54 | <i>1.94</i> | <i>2.12</i> | <i>2.51</i> | <i>2.74</i> | <i>2.70</i> | <i>2.83</i> | <i>2.97</i> | 3.90 | <i>2.28</i> | <i>2.81</i> |
| Henry Hub Spot Price | 4.31 | 4.50 | 4.25 | 3.42 | 2.52 | <i>2.33</i> | <i>2.66</i> | <i>3.01</i> | <i>3.29</i> | <i>3.21</i> | <i>3.28</i> | <i>3.52</i> | 4.12 | <i>2.63</i> | <i>3.32</i> |
| Residential | | | | | | | | | | | | | | | |
| New England | 13.99 | 14.30 | 17.26 | 13.08 | 13.07 | <i>13.37</i> | <i>16.07</i> | <i>12.93</i> | <i>12.77</i> | <i>13.95</i> | <i>17.10</i> | <i>13.93</i> | 14.05 | <i>13.34</i> | <i>13.63</i> |
| Middle Atlantic | 11.84 | 14.11 | 18.14 | 12.66 | 11.29 | <i>12.77</i> | <i>16.57</i> | <i>12.45</i> | <i>11.13</i> | <i>12.88</i> | <i>17.28</i> | <i>13.41</i> | 12.83 | <i>12.28</i> | <i>12.45</i> |
| E. N. Central | 8.87 | 10.95 | 16.23 | 9.31 | 8.35 | <i>9.96</i> | <i>14.98</i> | <i>8.62</i> | <i>7.95</i> | <i>10.26</i> | <i>16.00</i> | <i>9.28</i> | 9.76 | <i>9.10</i> | <i>9.15</i> |
| W. N. Central | 8.83 | 11.17 | 16.78 | 9.51 | 8.45 | <i>10.82</i> | <i>15.71</i> | <i>8.48</i> | <i>7.91</i> | <i>10.32</i> | <i>16.50</i> | <i>9.12</i> | 9.80 | <i>9.27</i> | <i>9.07</i> |
| S. Atlantic | 11.97 | 17.55 | 22.89 | 13.51 | 12.43 | <i>17.34</i> | <i>22.24</i> | <i>12.69</i> | <i>11.74</i> | <i>17.15</i> | <i>23.43</i> | <i>13.57</i> | 13.78 | <i>13.84</i> | <i>13.65</i> |
| E. S. Central | 9.92 | 13.70 | 18.42 | 11.11 | 10.21 | <i>13.60</i> | <i>17.38</i> | <i>10.72</i> | <i>9.98</i> | <i>13.70</i> | <i>18.70</i> | <i>11.14</i> | 11.13 | <i>11.23</i> | <i>11.19</i> |
| W. S. Central | 8.60 | 14.31 | 19.03 | 10.16 | 9.25 | <i>12.67</i> | <i>17.29</i> | <i>9.57</i> | <i>8.03</i> | <i>13.27</i> | <i>18.63</i> | <i>10.47</i> | 10.47 | <i>10.52</i> | <i>10.16</i> |
| Mountain | 8.88 | 9.77 | 13.32 | 8.84 | 8.80 | <i>9.53</i> | <i>12.52</i> | <i>8.43</i> | <i>8.13</i> | <i>8.73</i> | <i>11.96</i> | <i>8.20</i> | 9.34 | <i>9.08</i> | <i>8.54</i> |
| Pacific | 9.97 | 10.91 | 11.63 | 9.92 | 9.40 | <i>9.37</i> | <i>9.81</i> | <i>8.87</i> | <i>9.06</i> | <i>9.35</i> | <i>10.28</i> | <i>9.32</i> | 10.34 | <i>9.29</i> | <i>9.34</i> |
| U.S. Average | 9.96 | 11.96 | 15.51 | 10.44 | 9.67 | <i>11.26</i> | <i>14.79</i> | <i>10.10</i> | <i>9.33</i> | <i>11.28</i> | <i>15.49</i> | <i>10.73</i> | 10.79 | <i>10.44</i> | <i>10.48</i> |
| Commercial | | | | | | | | | | | | | | | |
| New England | 11.16 | 10.64 | 10.43 | 10.45 | 10.26 | <i>9.86</i> | <i>10.18</i> | <i>10.63</i> | <i>10.67</i> | <i>10.39</i> | <i>10.76</i> | <i>11.15</i> | 10.83 | <i>10.30</i> | <i>10.76</i> |
| Middle Atlantic | 9.84 | 9.62 | 8.99 | 9.27 | 8.79 | <i>8.09</i> | <i>7.72</i> | <i>8.84</i> | <i>8.78</i> | <i>8.79</i> | <i>8.64</i> | <i>9.61</i> | 9.55 | <i>8.53</i> | <i>8.99</i> |
| E. N. Central | 8.35 | 8.98 | 9.85 | 7.88 | 7.46 | <i>7.75</i> | <i>7.95</i> | <i>7.37</i> | <i>7.48</i> | <i>8.13</i> | <i>8.70</i> | <i>8.07</i> | 8.45 | <i>7.52</i> | <i>7.85</i> |
| W. N. Central | 7.92 | 8.44 | 9.49 | 7.61 | 7.21 | <i>6.76</i> | <i>7.76</i> | <i>6.53</i> | <i>6.85</i> | <i>7.05</i> | <i>8.41</i> | <i>7.02</i> | 8.05 | <i>6.96</i> | <i>7.05</i> |
| S. Atlantic | 9.80 | 10.87 | 11.13 | 9.77 | 9.31 | <i>9.35</i> | <i>9.48</i> | <i>9.44</i> | <i>9.29</i> | <i>9.79</i> | <i>10.21</i> | <i>10.32</i> | 10.13 | <i>9.39</i> | <i>9.81</i> |
| E. S. Central | 8.82 | 9.59 | 10.39 | 9.24 | 8.78 | <i>9.02</i> | <i>9.11</i> | <i>9.03</i> | <i>8.64</i> | <i>9.25</i> | <i>9.80</i> | <i>9.66</i> | 9.22 | <i>8.94</i> | <i>9.13</i> |
| W. S. Central | 7.30 | 8.54 | 8.92 | 7.43 | 7.25 | <i>7.17</i> | <i>7.38</i> | <i>6.86</i> | <i>6.73</i> | <i>7.38</i> | <i>7.99</i> | <i>7.49</i> | 7.78 | <i>7.14</i> | <i>7.22</i> |
| Mountain | 8.00 | 8.00 | 8.91 | 7.71 | 7.49 | <i>6.86</i> | <i>7.43</i> | <i>7.09</i> | <i>6.79</i> | <i>6.72</i> | <i>7.77</i> | <i>7.54</i> | 8.01 | <i>7.25</i> | <i>7.10</i> |
| Pacific | 9.13 | 9.19 | 9.75 | 8.88 | 8.60 | <i>7.79</i> | <i>7.48</i> | <i>7.68</i> | <i>7.95</i> | <i>7.51</i> | <i>8.00</i> | <i>8.25</i> | 9.17 | <i>7.98</i> | <i>7.95</i> |
| U.S. Average | 8.75 | 9.15 | 9.71 | 8.51 | 8.19 | <i>7.94</i> | <i>8.08</i> | <i>8.01</i> | <i>7.98</i> | <i>8.20</i> | <i>8.76</i> | <i>8.66</i> | 8.85 | <i>8.07</i> | <i>8.31</i> |
| Industrial | | | | | | | | | | | | | | | |
| New England | 10.67 | 9.82 | 9.20 | 9.21 | 9.55 | <i>7.82</i> | <i>7.78</i> | <i>9.04</i> | <i>9.99</i> | <i>9.09</i> | <i>8.75</i> | <i>9.75</i> | 9.84 | <i>8.73</i> | <i>9.53</i> |
| Middle Atlantic | 9.58 | 9.28 | 8.88 | 9.24 | 8.54 | <i>7.21</i> | <i>7.37</i> | <i>8.98</i> | <i>8.90</i> | <i>7.83</i> | <i>7.97</i> | <i>9.52</i> | 9.36 | <i>8.19</i> | <i>8.72</i> |
| E. N. Central | 7.39 | 7.19 | 7.28 | 6.64 | 6.70 | <i>5.71</i> | <i>5.73</i> | <i>6.18</i> | <i>6.53</i> | <i>6.20</i> | <i>6.25</i> | <i>6.67</i> | 7.15 | <i>6.20</i> | <i>6.47</i> |
| W. N. Central | 6.27 | 5.77 | 5.55 | 5.54 | 5.41 | <i>3.64</i> | <i>3.70</i> | <i>4.54</i> | <i>5.15</i> | <i>4.06</i> | <i>4.23</i> | <i>4.93</i> | 5.81 | <i>4.33</i> | <i>4.65</i> |
| S. Atlantic | 6.53 | 6.23 | 6.07 | 5.71 | 5.05 | <i>4.29</i> | <i>4.60</i> | <i>5.24</i> | <i>5.60</i> | <i>5.20</i> | <i>5.40</i> | <i>5.94</i> | 6.15 | <i>4.80</i> | <i>5.55</i> |
| E. S. Central | 5.84 | 5.58 | 5.47 | 5.10 | 4.44 | <i>4.02</i> | <i>4.29</i> | <i>4.83</i> | <i>5.16</i> | <i>4.73</i> | <i>4.93</i> | <i>5.25</i> | 5.51 | <i>4.41</i> | <i>5.03</i> |
| W. S. Central | 4.29 | 4.51 | 4.39 | 3.64 | 2.94 | <i>2.63</i> | <i>2.96</i> | <i>3.15</i> | <i>3.38</i> | <i>3.47</i> | <i>3.62</i> | <i>3.66</i> | 4.21 | <i>2.92</i> | <i>3.54</i> |
| Mountain | 6.82 | 6.43 | 6.80 | 6.28 | 6.05 | <i>5.10</i> | <i>5.28</i> | <i>5.92</i> | <i>6.02</i> | <i>5.36</i> | <i>6.00</i> | <i>6.46</i> | 6.57 | <i>5.67</i> | <i>6.00</i> |
| Pacific | 7.45 | 7.21 | 7.21 | 6.85 | 6.66 | <i>5.86</i> | <i>5.61</i> | <i>6.42</i> | <i>6.62</i> | <i>5.92</i> | <i>6.23</i> | <i>6.96</i> | 7.18 | <i>6.19</i> | <i>6.47</i> |
| U.S. Average | 5.45 | 5.15 | 4.94 | 4.53 | 4.13 | <i>3.36</i> | <i>3.54</i> | <i>4.16</i> | <i>4.58</i> | <i>4.11</i> | <i>4.18</i> | <i>4.64</i> | 5.02 | <i>3.80</i> | <i>4.39</i> |

- = no data available

Prices are not adjusted for inflation.

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

Regions refer to U.S. Census divisions.

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

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

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

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

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

Table 6. U.S. Coal Supply, Consumption, and Inventories

U.S. Energy Information Administration | Short-Term Energy Outlook - June 2012

| | 2011 | | | | 2012 | | | | 2013 | | | | Year | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2011 | 2012 | 2013 |
| Supply (million short tons) | | | | | | | | | | | | | | | |
| Production | 273.6 | 263.6 | 274.6 | 282.5 | 257.1 | <i>234.7</i> | <i>253.9</i> | <i>251.1</i> | <i>230.2</i> | <i>235.8</i> | <i>247.1</i> | <i>247.3</i> | 1094.3 | <i>996.7</i> | <i>960.5</i> |
| Appalachia | 87.3 | 85.7 | 81.8 | 82.1 | 81.3 | <i>76.9</i> | <i>78.2</i> | <i>77.6</i> | <i>71.2</i> | <i>73.6</i> | <i>72.4</i> | <i>72.3</i> | 336.9 | <i>314.0</i> | <i>289.5</i> |
| Interior | 41.5 | 41.1 | 45.0 | 42.6 | 39.8 | <i>37.7</i> | <i>34.4</i> | <i>34.5</i> | <i>32.1</i> | <i>33.5</i> | <i>34.3</i> | <i>33.6</i> | 170.3 | <i>146.4</i> | <i>133.5</i> |
| Western | 144.8 | 136.8 | 147.8 | 157.7 | 136.0 | <i>120.1</i> | <i>141.2</i> | <i>139.0</i> | <i>126.9</i> | <i>128.7</i> | <i>140.4</i> | <i>141.4</i> | 587.1 | <i>536.3</i> | <i>537.5</i> |
| Primary Inventory Withdrawals | 5.5 | -1.1 | 1.6 | 1.8 | 0.4 | <i>0.5</i> | <i>3.8</i> | <i>-0.2</i> | <i>5.5</i> | <i>-1.1</i> | <i>1.6</i> | <i>-2.6</i> | 7.9 | <i>4.5</i> | <i>3.5</i> |
| Imports | 3.4 | 3.4 | 3.6 | 2.7 | 2.0 | <i>2.7</i> | <i>4.2</i> | <i>4.0</i> | <i>3.6</i> | <i>3.6</i> | <i>4.4</i> | <i>4.0</i> | 13.1 | <i>12.9</i> | <i>15.7</i> |
| Exports | 26.6 | 27.0 | 26.0 | 27.7 | 28.6 | <i>28.1</i> | <i>25.4</i> | <i>24.1</i> | <i>23.6</i> | <i>24.9</i> | <i>24.6</i> | <i>24.3</i> | 107.3 | <i>106.2</i> | <i>97.4</i> |
| Metallurgical Coal | 17.2 | 17.8 | 16.5 | 18.0 | 17.3 | <i>19.1</i> | <i>16.2</i> | <i>16.1</i> | <i>16.3</i> | <i>17.2</i> | <i>16.6</i> | <i>16.2</i> | 69.5 | <i>68.7</i> | <i>66.2</i> |
| Steam Coal | 9.5 | 9.1 | 9.5 | 9.6 | 8.9 | <i>9.0</i> | <i>9.2</i> | <i>7.9</i> | <i>7.3</i> | <i>7.7</i> | <i>8.0</i> | <i>8.2</i> | 37.6 | <i>35.1</i> | <i>31.2</i> |
| Total Primary Supply | 255.9 | 239.0 | 253.9 | 259.3 | 230.9 | <i>209.7</i> | <i>236.5</i> | <i>230.7</i> | <i>215.7</i> | <i>213.5</i> | <i>228.6</i> | <i>224.4</i> | 1008.1 | <i>907.9</i> | <i>882.3</i> |
| Secondary Inventory Withdrawals | 9.0 | 0.7 | 20.9 | -31.1 | -18.7 | <i>-13.1</i> | <i>11.3</i> | <i>-5.3</i> | <i>5.8</i> | <i>-11.3</i> | <i>11.4</i> | <i>-5.5</i> | -0.6 | <i>-25.7</i> | <i>0.4</i> |
| Waste Coal (a) | 3.3 | 2.9 | 3.4 | 3.0 | 3.4 | <i>3.2</i> | <i>3.2</i> | <i>3.2</i> | <i>3.4</i> | <i>3.2</i> | <i>3.2</i> | <i>3.2</i> | 12.5 | <i>13.0</i> | <i>12.9</i> |
| Total Supply | 268.2 | 242.5 | 278.1 | 231.2 | 215.6 | <i>199.8</i> | <i>251.0</i> | <i>228.7</i> | <i>224.9</i> | <i>205.4</i> | <i>243.2</i> | <i>222.1</i> | 1020.0 | <i>895.1</i> | <i>895.6</i> |
| Consumption (million short tons) | | | | | | | | | | | | | | | |
| Coke Plants | 5.2 | 5.4 | 5.4 | 5.4 | 6.5 | <i>6.4</i> | <i>7.2</i> | <i>7.0</i> | <i>7.3</i> | <i>7.1</i> | <i>7.8</i> | <i>7.5</i> | 21.4 | <i>27.2</i> | <i>29.7</i> |
| Electric Power Sector (b) | 234.8 | 223.5 | 261.5 | 208.6 | 189.9 | <i>179.2</i> | <i>231.2</i> | <i>208.0</i> | <i>204.1</i> | <i>185.0</i> | <i>222.7</i> | <i>200.9</i> | 928.6 | <i>808.4</i> | <i>812.7</i> |
| Retail and Other Industry | 14.5 | 12.8 | 12.7 | 13.1 | 12.9 | <i>12.8</i> | <i>12.5</i> | <i>13.6</i> | <i>13.5</i> | <i>13.3</i> | <i>12.7</i> | <i>13.7</i> | 53.1 | <i>51.8</i> | <i>53.2</i> |
| Residential and Commercial | 1.0 | 0.6 | 0.5 | 0.6 | 0.7 | <i>0.6</i> | <i>0.8</i> | <i>1.2</i> | <i>1.2</i> | <i>0.8</i> | <i>0.8</i> | <i>1.2</i> | 2.8 | <i>3.3</i> | <i>4.1</i> |
| Other Industrial | 13.5 | 12.1 | 12.2 | 12.5 | 12.2 | <i>12.2</i> | <i>11.8</i> | <i>12.4</i> | <i>12.3</i> | <i>12.5</i> | <i>11.9</i> | <i>12.5</i> | 50.3 | <i>48.5</i> | <i>49.1</i> |
| Total Consumption | 254.6 | 241.7 | 279.7 | 227.1 | 209.0 | <i>198.5</i> | <i>251.0</i> | <i>228.7</i> | <i>224.9</i> | <i>205.4</i> | <i>243.2</i> | <i>222.1</i> | 1003.1 | <i>887.1</i> | <i>895.6</i> |
| Discrepancy (c) | 13.6 | 0.9 | -1.5 | 4.0 | 6.6 | <i>1.4</i> | <i>0.0</i> | <i>0.0</i> | <i>0.0</i> | <i>0.0</i> | <i>0.0</i> | <i>0.0</i> | 17.0 | <i>8.0</i> | <i>0.0</i> |
| End-of-period Inventories (million short tons) | | | | | | | | | | | | | | | |
| Primary Inventories (d) | 44.3 | 45.4 | 43.8 | 41.9 | 41.5 | <i>41.0</i> | <i>37.2</i> | <i>37.4</i> | <i>32.0</i> | <i>33.0</i> | <i>31.4</i> | <i>34.0</i> | 41.9 | <i>37.4</i> | <i>34.0</i> |
| Secondary Inventories | 174.7 | 174.1 | 153.2 | 184.3 | 203.0 | <i>216.1</i> | <i>204.8</i> | <i>210.0</i> | <i>204.3</i> | <i>215.5</i> | <i>204.1</i> | <i>209.7</i> | 184.3 | <i>210.0</i> | <i>209.7</i> |
| Electric Power Sector | 166.7 | 165.7 | 144.4 | 175.1 | 196.4 | <i>208.8</i> | <i>196.9</i> | <i>201.8</i> | <i>196.9</i> | <i>207.6</i> | <i>195.7</i> | <i>200.9</i> | 175.1 | <i>201.8</i> | <i>200.9</i> |
| Retail and General Industry | 5.5 | 5.9 | 5.9 | 6.0 | 4.2 | <i>4.5</i> | <i>5.1</i> | <i>5.4</i> | <i>4.7</i> | <i>4.9</i> | <i>5.5</i> | <i>5.7</i> | 6.0 | <i>5.4</i> | <i>5.7</i> |
| Coke Plants | 2.0 | 2.0 | 2.4 | 2.6 | 1.8 | <i>2.3</i> | <i>2.2</i> | <i>2.3</i> | <i>2.0</i> | <i>2.5</i> | <i>2.4</i> | <i>2.5</i> | 2.6 | <i>2.3</i> | <i>2.5</i> |
| Coal Market Indicators | | | | | | | | | | | | | | | |
| Coal Miner Productivity | | | | | | | | | | | | | | | |
| (Tons per hour) | 5.22 | 5.22 | 5.22 | 5.22 | 5.12 | <i>5.12</i> | <i>5.12</i> | <i>5.12</i> | <i>4.97</i> | <i>4.97</i> | <i>4.97</i> | <i>4.97</i> | 5.22 | <i>5.12</i> | <i>4.97</i> |
| Total Raw Steel Production | | | | | | | | | | | | | | | |
| (Million short tons per day) | 0.257 | 0.261 | 0.266 | 0.264 | 0.274 | <i>0.289</i> | <i>0.306</i> | <i>0.296</i> | <i>0.310</i> | <i>0.320</i> | <i>0.306</i> | <i>0.294</i> | 0.262 | <i>0.291</i> | <i>0.308</i> |
| Cost of Coal to Electric Utilities | | | | | | | | | | | | | | | |
| (Dollars per million Btu) | 2.34 | 2.42 | 2.46 | 2.37 | 2.41 | <i>2.35</i> | <i>2.33</i> | <i>2.28</i> | <i>2.31</i> | <i>2.26</i> | <i>2.24</i> | <i>2.19</i> | 2.40 | <i>2.34</i> | <i>2.25</i> |

- = no data available

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

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

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

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

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

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

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

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

Table 7a. U.S. Electricity Industry Overview

U.S. Energy Information Administration | Short-Term Energy Outlook - June 2012

| | 2011 | | | | 2012 | | | | 2013 | | | | Year | | |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2011 | 2012 | 2013 |
| Electricity Supply (billion kilowatthours per day) | | | | | | | | | | | | | | | |
| Electricity Generation | 11.07 | 10.94 | 12.65 | 10.33 | 10.56 | <i>10.91</i> | <i>12.39</i> | <i>10.69</i> | <i>11.07</i> | <i>10.98</i> | <i>12.47</i> | <i>10.79</i> | 11.25 | <i>11.14</i> | <i>11.33</i> |
| Electric Power Sector (a) | 10.66 | 10.54 | 12.22 | 9.92 | 10.14 | <i>10.50</i> | <i>11.96</i> | <i>10.29</i> | <i>10.66</i> | <i>10.58</i> | <i>12.05</i> | <i>10.39</i> | 10.84 | <i>10.72</i> | <i>10.92</i> |
| Industrial Sector | 0.39 | 0.38 | 0.40 | 0.39 | 0.40 | <i>0.39</i> | <i>0.42</i> | <i>0.40</i> | <i>0.40</i> | <i>0.39</i> | <i>0.42</i> | <i>0.40</i> | 0.39 | <i>0.40</i> | <i>0.40</i> |
| Commercial Sector | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | 0.02 | <i>0.02</i> | <i>0.02</i> |
| Net Imports | 0.08 | 0.10 | 0.13 | 0.09 | 0.10 | <i>0.10</i> | <i>0.12</i> | <i>0.08</i> | <i>0.08</i> | <i>0.08</i> | <i>0.11</i> | <i>0.07</i> | 0.10 | <i>0.10</i> | <i>0.08</i> |
| Total Supply | 11.15 | 11.04 | 12.78 | 10.42 | 10.66 | <i>11.01</i> | <i>12.50</i> | <i>10.77</i> | <i>11.15</i> | <i>11.06</i> | <i>12.58</i> | <i>10.86</i> | 11.35 | <i>11.24</i> | <i>11.41</i> |
| Losses and Unaccounted for (b) ... | 0.59 | 0.95 | 0.86 | 0.74 | 0.63 | <i>0.94</i> | <i>0.78</i> | <i>0.74</i> | <i>0.58</i> | <i>0.90</i> | <i>0.79</i> | <i>0.74</i> | 0.79 | <i>0.78</i> | <i>0.75</i> |
| Electricity Consumption (billion kilowatthours per day) | | | | | | | | | | | | | | | |
| Retail Sales | 10.21 | 9.74 | 11.55 | 9.33 | 9.66 | <i>9.71</i> | <i>11.35</i> | <i>9.68</i> | <i>10.22</i> | <i>9.81</i> | <i>11.43</i> | <i>9.78</i> | 10.21 | <i>10.10</i> | <i>10.31</i> |
| Residential Sector | 4.12 | 3.49 | 4.69 | 3.30 | 3.67 | <i>3.38</i> | <i>4.45</i> | <i>3.52</i> | <i>4.05</i> | <i>3.45</i> | <i>4.48</i> | <i>3.57</i> | 3.90 | <i>3.76</i> | <i>3.89</i> |
| Commercial Sector | 3.45 | 3.56 | 4.05 | 3.39 | 3.36 | <i>3.59</i> | <i>4.04</i> | <i>3.47</i> | <i>3.51</i> | <i>3.62</i> | <i>4.08</i> | <i>3.51</i> | 3.61 | <i>3.62</i> | <i>3.68</i> |
| Industrial Sector | 2.61 | 2.67 | 2.79 | 2.62 | 2.61 | <i>2.72</i> | <i>2.84</i> | <i>2.67</i> | <i>2.63</i> | <i>2.71</i> | <i>2.84</i> | <i>2.68</i> | 2.67 | <i>2.71</i> | <i>2.72</i> |
| Transportation Sector | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | 0.02 | <i>0.02</i> | <i>0.02</i> |
| Direct Use (c) | 0.35 | 0.35 | 0.37 | 0.35 | 0.36 | <i>0.35</i> | <i>0.37</i> | <i>0.35</i> | <i>0.35</i> | <i>0.34</i> | <i>0.36</i> | <i>0.34</i> | 0.36 | <i>0.36</i> | <i>0.35</i> |
| Total Consumption | 10.56 | 10.09 | 11.92 | 9.68 | 10.03 | <i>10.07</i> | <i>11.72</i> | <i>10.03</i> | <i>10.57</i> | <i>10.16</i> | <i>11.79</i> | <i>10.12</i> | 10.57 | <i>10.46</i> | <i>10.66</i> |
| Prices | | | | | | | | | | | | | | | |
| Power Generation Fuel Costs (dollars per million Btu) | | | | | | | | | | | | | | | |
| Coal | 2.34 | 2.42 | 2.46 | 2.37 | 2.41 | <i>2.35</i> | <i>2.33</i> | <i>2.28</i> | <i>2.31</i> | <i>2.26</i> | <i>2.24</i> | <i>2.19</i> | 2.40 | <i>2.34</i> | <i>2.25</i> |
| Natural Gas | 5.02 | 4.92 | 4.76 | 4.13 | 3.31 | <i>2.92</i> | <i>2.96</i> | <i>3.55</i> | <i>3.74</i> | <i>3.62</i> | <i>3.57</i> | <i>3.96</i> | 4.71 | <i>3.16</i> | <i>3.71</i> |
| Residual Fuel Oil | 15.88 | 18.29 | 20.10 | 20.05 | 21.27 | <i>20.17</i> | <i>18.50</i> | <i>18.36</i> | <i>18.43</i> | <i>18.16</i> | <i>18.08</i> | <i>18.14</i> | 18.49 | <i>19.47</i> | <i>18.19</i> |
| Distillate Fuel Oil | 20.79 | 23.37 | 22.74 | 22.86 | 23.80 | <i>23.22</i> | <i>22.90</i> | <i>23.73</i> | <i>23.59</i> | <i>23.52</i> | <i>23.50</i> | <i>23.42</i> | 22.40 | <i>23.43</i> | <i>23.51</i> |
| End-Use Prices (cents per kilowatthour) | | | | | | | | | | | | | | | |
| Residential Sector | 11.19 | 11.95 | 12.18 | 11.82 | 11.57 | <i>12.16</i> | <i>12.31</i> | <i>11.62</i> | <i>11.13</i> | <i>11.86</i> | <i>12.03</i> | <i>11.34</i> | 11.79 | <i>11.93</i> | <i>11.60</i> |
| Commercial Sector | 9.97 | 10.38 | 10.76 | 10.07 | 9.93 | <i>10.21</i> | <i>10.65</i> | <i>10.09</i> | <i>9.89</i> | <i>10.26</i> | <i>10.61</i> | <i>10.01</i> | 10.32 | <i>10.24</i> | <i>10.21</i> |
| Industrial Sector | 6.63 | 6.86 | 7.36 | 6.68 | 6.51 | <i>6.70</i> | <i>7.07</i> | <i>6.64</i> | <i>6.58</i> | <i>6.71</i> | <i>7.03</i> | <i>6.60</i> | 6.89 | <i>6.74</i> | <i>6.74</i> |

- = no data available

Prices are not adjusted for inflation.

(a) Electric utilities and independent power producers.

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

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

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

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

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

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

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

U.S. Energy Information Administration | Short-Term Energy Outlook - June 2012

| | 2011 | | | | 2012 | | | | 2013 | | | | Year | | |
|------------------------------|--------|-------|--------|-------|-------|-------|--------|-------|--------|-------|--------|-------|--------|--------|--------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2011 | 2012 | 2013 |
| Residential Sector | | | | | | | | | | | | | | | |
| New England | 144 | 115 | 143 | 116 | 133 | 115 | 138 | 126 | 138 | 120 | 141 | 128 | 130 | 128 | 132 |
| Middle Atlantic | 402 | 328 | 437 | 318 | 363 | 324 | 416 | 343 | 388 | 334 | 416 | 347 | 371 | 362 | 371 |
| E. N. Central | 575 | 455 | 608 | 457 | 516 | 442 | 561 | 488 | 566 | 457 | 560 | 495 | 524 | 502 | 519 |
| W. N. Central | 332 | 251 | 334 | 251 | 292 | 244 | 311 | 271 | 331 | 253 | 308 | 276 | 292 | 279 | 292 |
| S. Atlantic | 1,033 | 907 | 1,192 | 803 | 890 | 865 | 1,143 | 876 | 1,029 | 876 | 1,150 | 889 | 984 | 944 | 986 |
| E. S. Central | 372 | 296 | 408 | 261 | 312 | 280 | 400 | 296 | 362 | 291 | 394 | 299 | 334 | 322 | 337 |
| W. S. Central | 558 | 550 | 820 | 467 | 485 | 514 | 744 | 480 | 553 | 514 | 755 | 488 | 599 | 556 | 578 |
| Mountain | 248 | 228 | 334 | 229 | 237 | 235 | 334 | 236 | 252 | 241 | 343 | 240 | 260 | 260 | 269 |
| Pacific contiguous | 438 | 350 | 401 | 385 | 428 | 345 | 394 | 391 | 420 | 354 | 403 | 396 | 393 | 390 | 393 |
| AK and HI | 15 | 13 | 13 | 14 | 15 | 13 | 13 | 14 | 15 | 13 | 13 | 15 | 14 | 14 | 14 |
| Total | 4,118 | 3,493 | 4,689 | 3,302 | 3,670 | 3,378 | 4,454 | 3,521 | 4,055 | 3,453 | 4,482 | 3,574 | 3,901 | 3,757 | 3,891 |
| Commercial Sector | | | | | | | | | | | | | | | |
| New England | 123 | 119 | 133 | 115 | 118 | 118 | 133 | 118 | 124 | 123 | 135 | 120 | 123 | 122 | 125 |
| Middle Atlantic | 435 | 421 | 482 | 406 | 416 | 421 | 480 | 416 | 440 | 427 | 486 | 422 | 436 | 433 | 444 |
| E. N. Central | 496 | 484 | 551 | 473 | 476 | 488 | 548 | 484 | 508 | 494 | 552 | 488 | 501 | 499 | 511 |
| W. N. Central | 269 | 262 | 297 | 258 | 257 | 264 | 299 | 263 | 270 | 268 | 301 | 265 | 272 | 271 | 276 |
| S. Atlantic | 784 | 856 | 942 | 773 | 761 | 851 | 938 | 800 | 798 | 851 | 951 | 811 | 839 | 838 | 853 |
| E. S. Central | 217 | 227 | 265 | 206 | 207 | 230 | 268 | 215 | 220 | 230 | 270 | 217 | 229 | 230 | 234 |
| W. S. Central | 443 | 500 | 595 | 456 | 447 | 506 | 570 | 466 | 456 | 499 | 574 | 471 | 499 | 497 | 500 |
| Mountain | 238 | 249 | 287 | 243 | 233 | 262 | 292 | 248 | 241 | 267 | 296 | 252 | 254 | 259 | 264 |
| Pacific contiguous | 430 | 429 | 482 | 438 | 430 | 435 | 492 | 443 | 432 | 448 | 498 | 448 | 445 | 450 | 457 |
| AK and HI | 18 | 17 | 17 | 17 | 17 | 16 | 17 | 17 | 18 | 17 | 18 | 18 | 17 | 17 | 17 |
| Total | 3,453 | 3,564 | 4,052 | 3,386 | 3,364 | 3,591 | 4,037 | 3,471 | 3,506 | 3,625 | 4,080 | 3,511 | 3,614 | 3,617 | 3,682 |
| Industrial Sector | | | | | | | | | | | | | | | |
| New England | 75 | 76 | 81 | 73 | 73 | 73 | 80 | 74 | 72 | 72 | 79 | 73 | 76 | 75 | 74 |
| Middle Atlantic | 199 | 192 | 196 | 187 | 186 | 189 | 192 | 180 | 186 | 187 | 192 | 181 | 194 | 187 | 187 |
| E. N. Central | 540 | 541 | 567 | 536 | 546 | 547 | 567 | 542 | 548 | 544 | 574 | 549 | 546 | 551 | 554 |
| W. N. Central | 232 | 236 | 253 | 237 | 234 | 244 | 259 | 242 | 238 | 245 | 257 | 241 | 240 | 245 | 245 |
| S. Atlantic | 370 | 394 | 401 | 373 | 372 | 404 | 402 | 376 | 373 | 400 | 405 | 377 | 384 | 388 | 389 |
| E. S. Central | 342 | 320 | 336 | 336 | 345 | 345 | 352 | 352 | 349 | 341 | 349 | 355 | 334 | 349 | 349 |
| W. S. Central | 415 | 441 | 456 | 422 | 410 | 457 | 477 | 438 | 420 | 452 | 470 | 431 | 434 | 446 | 444 |
| Mountain | 204 | 219 | 239 | 215 | 206 | 225 | 244 | 218 | 209 | 226 | 249 | 221 | 219 | 223 | 227 |
| Pacific contiguous | 221 | 233 | 247 | 228 | 220 | 228 | 249 | 234 | 224 | 232 | 250 | 232 | 232 | 233 | 235 |
| AK and HI | 14 | 13 | 14 | 14 | 14 | 14 | 15 | 14 | 13 | 14 | 15 | 14 | 14 | 14 | 14 |
| Total | 2,612 | 2,666 | 2,791 | 2,620 | 2,607 | 2,725 | 2,837 | 2,668 | 2,633 | 2,714 | 2,840 | 2,675 | 2,673 | 2,710 | 2,716 |
| Total All Sectors (a) | | | | | | | | | | | | | | | |
| New England | 344 | 311 | 359 | 307 | 326 | 308 | 352 | 319 | 335 | 316 | 355 | 322 | 330 | 326 | 332 |
| Middle Atlantic | 1,048 | 952 | 1,126 | 921 | 977 | 944 | 1,100 | 951 | 1,027 | 961 | 1,107 | 963 | 1,012 | 993 | 1,014 |
| E. N. Central | 1,613 | 1,482 | 1,728 | 1,468 | 1,541 | 1,479 | 1,677 | 1,516 | 1,624 | 1,496 | 1,688 | 1,534 | 1,573 | 1,553 | 1,585 |
| W. N. Central | 834 | 749 | 884 | 746 | 783 | 752 | 869 | 776 | 839 | 766 | 866 | 782 | 803 | 795 | 813 |
| S. Atlantic | 2,191 | 2,161 | 2,539 | 1,952 | 2,027 | 2,123 | 2,487 | 2,055 | 2,204 | 2,131 | 2,510 | 2,082 | 2,211 | 2,174 | 2,232 |
| E. S. Central | 931 | 844 | 1,009 | 803 | 864 | 855 | 1,021 | 863 | 932 | 863 | 1,013 | 871 | 897 | 901 | 920 |
| W. S. Central | 1,417 | 1,491 | 1,871 | 1,346 | 1,342 | 1,478 | 1,791 | 1,384 | 1,429 | 1,466 | 1,799 | 1,391 | 1,532 | 1,499 | 1,522 |
| Mountain | 691 | 696 | 860 | 687 | 676 | 723 | 870 | 702 | 703 | 735 | 888 | 713 | 734 | 743 | 760 |
| Pacific contiguous | 1,090 | 1,015 | 1,132 | 1,054 | 1,081 | 1,010 | 1,137 | 1,070 | 1,079 | 1,037 | 1,153 | 1,078 | 1,073 | 1,075 | 1,087 |
| AK and HI | 46 | 43 | 44 | 45 | 45 | 43 | 45 | 46 | 46 | 44 | 45 | 46 | 45 | 45 | 46 |
| Total | 10,206 | 9,743 | 11,553 | 9,328 | 9,663 | 9,715 | 11,350 | 9,683 | 10,217 | 9,814 | 11,426 | 9,782 | 10,209 | 10,105 | 10,312 |

- = 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)

U.S. Energy Information Administration | Short-Term Energy Outlook - June 2012

| | 2011 | | | | 2012 | | | | 2013 | | | | Year | | |
|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2011 | 2012 | 2013 |
| Residential Sector | | | | | | | | | | | | | | | |
| New England | 15.94 | 16.10 | 15.94 | 15.94 | 16.01 | <i>16.28</i> | <i>16.18</i> | <i>16.00</i> | <i>15.69</i> | <i>15.63</i> | <i>15.49</i> | <i>15.43</i> | 15.98 | <i>16.11</i> | <i>15.56</i> |
| Middle Atlantic | 15.16 | 15.98 | 16.48 | 15.76 | 14.94 | <i>15.74</i> | <i>16.48</i> | <i>15.55</i> | <i>15.31</i> | <i>16.20</i> | <i>16.74</i> | <i>15.58</i> | 15.86 | <i>15.71</i> | <i>15.98</i> |
| E. N. Central | 10.98 | 12.04 | 12.20 | 11.93 | 11.69 | <i>12.54</i> | <i>12.72</i> | <i>11.80</i> | <i>11.01</i> | <i>11.81</i> | <i>12.11</i> | <i>11.32</i> | 11.78 | <i>12.19</i> | <i>11.56</i> |
| W. N. Central | 9.01 | 10.52 | 11.16 | 9.80 | 9.61 | <i>10.82</i> | <i>11.23</i> | <i>9.68</i> | <i>9.13</i> | <i>10.46</i> | <i>10.86</i> | <i>9.35</i> | 10.13 | <i>10.34</i> | <i>9.93</i> |
| S. Atlantic | 10.73 | 11.43 | 11.62 | 11.23 | 11.13 | <i>11.73</i> | <i>11.83</i> | <i>11.20</i> | <i>10.80</i> | <i>11.41</i> | <i>11.59</i> | <i>10.95</i> | 11.26 | <i>11.50</i> | <i>11.20</i> |
| E. S. Central | 9.60 | 10.21 | 10.23 | 10.51 | 9.91 | <i>10.39</i> | <i>10.36</i> | <i>9.92</i> | <i>9.37</i> | <i>10.01</i> | <i>10.07</i> | <i>9.58</i> | 10.11 | <i>10.15</i> | <i>9.76</i> |
| W. S. Central | 10.01 | 10.76 | 10.79 | 10.53 | 10.31 | <i>10.70</i> | <i>10.67</i> | <i>10.11</i> | <i>9.63</i> | <i>10.27</i> | <i>10.26</i> | <i>9.81</i> | 10.55 | <i>10.48</i> | <i>10.02</i> |
| Mountain | 9.75 | 10.83 | 11.23 | 10.21 | 10.11 | <i>10.99</i> | <i>11.26</i> | <i>10.07</i> | <i>9.79</i> | <i>10.78</i> | <i>11.09</i> | <i>9.92</i> | 10.57 | <i>10.67</i> | <i>10.46</i> |
| Pacific | 12.18 | 12.53 | 13.70 | 12.56 | 12.30 | <i>12.65</i> | <i>13.51</i> | <i>12.23</i> | <i>12.04</i> | <i>12.50</i> | <i>13.39</i> | <i>12.03</i> | 12.74 | <i>12.66</i> | <i>12.49</i> |
| U.S. Average | 11.19 | 11.95 | 12.18 | 11.82 | 11.57 | <i>12.16</i> | <i>12.31</i> | <i>11.62</i> | <i>11.13</i> | <i>11.86</i> | <i>12.03</i> | <i>11.34</i> | 11.79 | <i>11.93</i> | <i>11.60</i> |
| Commercial Sector | | | | | | | | | | | | | | | |
| New England | 14.38 | 14.37 | 14.49 | 14.05 | 13.98 | <i>14.30</i> | <i>14.91</i> | <i>14.23</i> | <i>13.97</i> | <i>14.08</i> | <i>14.56</i> | <i>14.08</i> | 14.33 | <i>14.37</i> | <i>14.19</i> |
| Middle Atlantic | 13.23 | 13.76 | 14.52 | 13.00 | 12.57 | <i>13.14</i> | <i>14.17</i> | <i>13.04</i> | <i>12.77</i> | <i>13.34</i> | <i>14.20</i> | <i>13.01</i> | 13.66 | <i>13.26</i> | <i>13.36</i> |
| E. N. Central | 9.30 | 9.62 | 9.63 | 9.34 | 9.51 | <i>9.70</i> | <i>9.76</i> | <i>9.49</i> | <i>9.40</i> | <i>9.73</i> | <i>9.75</i> | <i>9.43</i> | 9.48 | <i>9.62</i> | <i>9.58</i> |
| W. N. Central | 7.60 | 8.47 | 8.96 | 7.77 | 7.89 | <i>8.49</i> | <i>8.85</i> | <i>7.88</i> | <i>7.86</i> | <i>8.55</i> | <i>8.90</i> | <i>7.89</i> | 8.23 | <i>8.30</i> | <i>8.32</i> |
| S. Atlantic | 9.40 | 9.51 | 9.62 | 9.53 | 9.48 | <i>9.55</i> | <i>9.67</i> | <i>9.50</i> | <i>9.34</i> | <i>9.53</i> | <i>9.62</i> | <i>9.44</i> | 9.52 | <i>9.56</i> | <i>9.49</i> |
| E. S. Central | 9.54 | 9.73 | 9.81 | 9.79 | 9.67 | <i>9.71</i> | <i>9.84</i> | <i>9.74</i> | <i>9.47</i> | <i>9.49</i> | <i>9.54</i> | <i>9.40</i> | 9.72 | <i>9.75</i> | <i>9.48</i> |
| W. S. Central | 8.55 | 8.65 | 8.90 | 8.43 | 8.29 | <i>8.20</i> | <i>8.41</i> | <i>8.35</i> | <i>8.50</i> | <i>8.61</i> | <i>8.69</i> | <i>8.51</i> | 8.65 | <i>8.32</i> | <i>8.59</i> |
| Mountain | 8.25 | 9.01 | 9.29 | 8.66 | 8.40 | <i>9.02</i> | <i>9.19</i> | <i>8.39</i> | <i>8.17</i> | <i>8.88</i> | <i>9.07</i> | <i>8.29</i> | 8.83 | <i>8.78</i> | <i>8.63</i> |
| Pacific | 10.89 | 12.29 | 13.71 | 11.46 | 10.83 | <i>11.86</i> | <i>13.36</i> | <i>11.59</i> | <i>10.76</i> | <i>11.72</i> | <i>13.05</i> | <i>11.29</i> | 12.14 | <i>11.96</i> | <i>11.75</i> |
| U.S. Average | 9.97 | 10.38 | 10.76 | 10.07 | 9.93 | <i>10.21</i> | <i>10.65</i> | <i>10.09</i> | <i>9.89</i> | <i>10.26</i> | <i>10.61</i> | <i>10.01</i> | 10.32 | <i>10.24</i> | <i>10.21</i> |
| Industrial Sector | | | | | | | | | | | | | | | |
| New England | 12.67 | 12.61 | 12.99 | 12.41 | 12.09 | <i>12.67</i> | <i>12.97</i> | <i>12.80</i> | <i>12.96</i> | <i>12.72</i> | <i>12.90</i> | <i>12.73</i> | 12.68 | <i>12.64</i> | <i>12.83</i> |
| Middle Atlantic | 8.46 | 8.21 | 8.34 | 7.67 | 7.53 | <i>7.96</i> | <i>8.48</i> | <i>8.19</i> | <i>8.28</i> | <i>8.35</i> | <i>8.59</i> | <i>8.16</i> | 8.17 | <i>8.04</i> | <i>8.35</i> |
| E. N. Central | 6.45 | 6.56 | 6.78 | 6.54 | 6.49 | <i>6.65</i> | <i>6.82</i> | <i>6.54</i> | <i>6.47</i> | <i>6.53</i> | <i>6.63</i> | <i>6.35</i> | 6.59 | <i>6.63</i> | <i>6.49</i> |
| W. N. Central | 5.77 | 6.13 | 6.64 | 5.78 | 5.92 | <i>6.25</i> | <i>6.57</i> | <i>5.86</i> | <i>5.86</i> | <i>6.13</i> | <i>6.47</i> | <i>5.76</i> | 6.09 | <i>6.16</i> | <i>6.06</i> |
| S. Atlantic | 6.52 | 6.76 | 7.11 | 6.57 | 6.41 | <i>6.76</i> | <i>7.14</i> | <i>6.64</i> | <i>6.59</i> | <i>6.67</i> | <i>7.01</i> | <i>6.52</i> | 6.75 | <i>6.75</i> | <i>6.71</i> |
| E. S. Central | 5.81 | 6.16 | 6.82 | 5.94 | 5.79 | <i>5.97</i> | <i>6.19</i> | <i>5.73</i> | <i>5.68</i> | <i>5.91</i> | <i>6.08</i> | <i>5.59</i> | 6.18 | <i>5.92</i> | <i>5.81</i> |
| W. S. Central | 5.78 | 6.03 | 6.63 | 5.77 | 5.47 | <i>5.29</i> | <i>5.51</i> | <i>5.42</i> | <i>5.55</i> | <i>5.63</i> | <i>5.85</i> | <i>5.64</i> | 6.07 | <i>5.42</i> | <i>5.67</i> |
| Mountain | 5.59 | 6.08 | 6.87 | 5.80 | 5.66 | <i>6.03</i> | <i>6.70</i> | <i>6.01</i> | <i>5.71</i> | <i>5.97</i> | <i>6.52</i> | <i>6.05</i> | 6.11 | <i>6.12</i> | <i>6.08</i> |
| Pacific | 7.34 | 7.73 | 8.70 | 7.82 | 7.30 | <i>7.58</i> | <i>8.46</i> | <i>7.64</i> | <i>7.21</i> | <i>7.52</i> | <i>8.47</i> | <i>7.71</i> | 7.92 | <i>7.77</i> | <i>7.75</i> |
| U.S. Average | 6.63 | 6.86 | 7.36 | 6.68 | 6.51 | <i>6.70</i> | <i>7.07</i> | <i>6.64</i> | <i>6.58</i> | <i>6.71</i> | <i>7.03</i> | <i>6.60</i> | 6.89 | <i>6.74</i> | <i>6.74</i> |
| All Sectors (a) | | | | | | | | | | | | | | | |
| New England | 14.63 | 14.55 | 14.70 | 14.34 | 14.35 | <i>14.62</i> | <i>14.94</i> | <i>14.57</i> | <i>14.44</i> | <i>14.33</i> | <i>14.54</i> | <i>14.28</i> | 14.56 | <i>14.63</i> | <i>14.40</i> |
| Middle Atlantic | 13.05 | 13.39 | 14.19 | 12.86 | 12.47 | <i>12.98</i> | <i>14.03</i> | <i>13.00</i> | <i>12.89</i> | <i>13.33</i> | <i>14.15</i> | <i>12.99</i> | 13.41 | <i>13.15</i> | <i>13.37</i> |
| E. N. Central | 8.94 | 9.24 | 9.60 | 9.12 | 9.16 | <i>9.42</i> | <i>9.75</i> | <i>9.18</i> | <i>8.96</i> | <i>9.20</i> | <i>9.47</i> | <i>8.94</i> | 9.24 | <i>9.39</i> | <i>9.15</i> |
| W. N. Central | 7.65 | 8.42 | 9.13 | 7.82 | 7.94 | <i>8.52</i> | <i>9.02</i> | <i>7.88</i> | <i>7.79</i> | <i>8.41</i> | <i>8.88</i> | <i>7.75</i> | 8.28 | <i>8.36</i> | <i>8.22</i> |
| S. Atlantic | 9.54 | 9.81 | 10.17 | 9.66 | 9.64 | <i>9.91</i> | <i>10.26</i> | <i>9.71</i> | <i>9.56</i> | <i>9.77</i> | <i>10.10</i> | <i>9.56</i> | 9.81 | <i>9.90</i> | <i>9.76</i> |
| E. S. Central | 8.19 | 8.54 | 8.99 | 8.42 | 8.20 | <i>8.42</i> | <i>8.78</i> | <i>8.17</i> | <i>8.01</i> | <i>8.25</i> | <i>8.56</i> | <i>7.91</i> | 8.55 | <i>8.41</i> | <i>8.19</i> |
| W. S. Central | 8.31 | 8.65 | 9.18 | 8.32 | 8.15 | <i>8.17</i> | <i>8.57</i> | <i>8.04</i> | <i>8.07</i> | <i>8.27</i> | <i>8.61</i> | <i>8.08</i> | 8.66 | <i>8.26</i> | <i>8.28</i> |
| Mountain | 8.00 | 8.68 | 9.37 | 8.28 | 8.16 | <i>8.73</i> | <i>9.28</i> | <i>8.22</i> | <i>8.02</i> | <i>8.60</i> | <i>9.13</i> | <i>8.14</i> | 8.63 | <i>8.64</i> | <i>8.52</i> |
| Pacific | 10.68 | 11.32 | 12.61 | 11.06 | 10.68 | <i>11.15</i> | <i>12.33</i> | <i>10.95</i> | <i>10.51</i> | <i>11.03</i> | <i>12.16</i> | <i>10.78</i> | 11.44 | <i>11.30</i> | <i>11.15</i> |
| U.S. Average | 9.61 | 9.98 | 10.52 | 9.74 | 9.63 | <i>9.91</i> | <i>10.41</i> | <i>9.69</i> | <i>9.53</i> | <i>9.84</i> | <i>10.28</i> | <i>9.56</i> | 9.98 | <i>9.93</i> | <i>9.82</i> |

- = no data available

Prices are not adjusted for inflation.

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

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

Regions refer to U.S. Census divisions.

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

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

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

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

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

U.S. Energy Information Administration | Short-Term Energy Outlook - June 2012

| | 2011 | | | | 2012 | | | | 2013 | | | | Year | | |
|--------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2011 | 2012 | 2013 |
| Electric Power Sector (a) | | | | | | | | | | | | | | | |
| Coal | 4.879 | 4.566 | 5.260 | 4.091 | 3.784 | <i>3.609</i> | <i>4.638</i> | <i>4.200</i> | <i>4.262</i> | <i>3.807</i> | <i>4.521</i> | <i>4.089</i> | 4.698 | <i>4.060</i> | <i>4.170</i> |
| Natural Gas | 2.062 | 2.377 | 3.360 | 2.386 | 2.781 | <i>3.225</i> | <i>3.794</i> | <i>2.776</i> | <i>2.774</i> | <i>3.030</i> | <i>3.955</i> | <i>2.898</i> | 2.550 | <i>3.145</i> | <i>3.167</i> |
| Other Gases | 0.008 | 0.009 | 0.010 | 0.009 | 0.012 | <i>0.015</i> | <i>0.012</i> | <i>0.011</i> | <i>0.014</i> | <i>0.030</i> | <i>0.015</i> | <i>0.013</i> | 0.009 | <i>0.013</i> | <i>0.018</i> |
| Petroleum | 0.082 | 0.071 | 0.078 | 0.057 | 0.053 | <i>0.062</i> | <i>0.069</i> | <i>0.065</i> | <i>0.072</i> | <i>0.073</i> | <i>0.078</i> | <i>0.071</i> | 0.072 | <i>0.062</i> | <i>0.073</i> |
| Residual Fuel Oil | 0.025 | 0.025 | 0.026 | 0.019 | 0.018 | <i>0.027</i> | <i>0.028</i> | <i>0.020</i> | <i>0.021</i> | <i>0.024</i> | <i>0.027</i> | <i>0.021</i> | 0.024 | <i>0.023</i> | <i>0.023</i> |
| Distillate Fuel Oil | 0.017 | 0.017 | 0.016 | 0.012 | 0.011 | <i>0.012</i> | <i>0.012</i> | <i>0.015</i> | <i>0.016</i> | <i>0.015</i> | <i>0.014</i> | <i>0.017</i> | 0.016 | <i>0.012</i> | <i>0.015</i> |
| Petroleum Coke | 0.037 | 0.027 | 0.035 | 0.023 | 0.022 | <i>0.021</i> | <i>0.027</i> | <i>0.027</i> | <i>0.030</i> | <i>0.032</i> | <i>0.034</i> | <i>0.031</i> | 0.030 | <i>0.024</i> | <i>0.032</i> |
| Other Petroleum | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 | <i>0.002</i> | <i>0.003</i> | <i>0.003</i> | <i>0.004</i> | <i>0.002</i> | <i>0.003</i> | <i>0.003</i> | 0.002 | <i>0.002</i> | <i>0.003</i> |
| Nuclear | 2.258 | 1.943 | 2.288 | 2.170 | 2.175 | <i>2.075</i> | <i>2.232</i> | <i>2.071</i> | <i>2.233</i> | <i>2.161</i> | <i>2.298</i> | <i>2.132</i> | 2.165 | <i>2.138</i> | <i>2.206</i> |
| Pumped Storage Hydroelectric | -0.011 | -0.016 | -0.021 | -0.016 | -0.009 | <i>-0.014</i> | <i>-0.020</i> | <i>-0.017</i> | <i>-0.016</i> | <i>-0.014</i> | <i>-0.020</i> | <i>-0.017</i> | -0.016 | <i>-0.015</i> | <i>-0.017</i> |
| Renewables: | | | | | | | | | | | | | | | |
| Conventional Hydroelectric | 0.912 | 1.059 | 0.859 | 0.714 | 0.775 | <i>0.977</i> | <i>0.766</i> | <i>0.650</i> | <i>0.756</i> | <i>0.878</i> | <i>0.696</i> | <i>0.642</i> | 0.885 | <i>0.791</i> | <i>0.743</i> |
| Geothermal | 0.047 | 0.045 | 0.044 | 0.046 | 0.047 | <i>0.046</i> | <i>0.047</i> | <i>0.047</i> | <i>0.047</i> | <i>0.046</i> | <i>0.047</i> | <i>0.047</i> | 0.046 | <i>0.047</i> | <i>0.047</i> |
| Solar | 0.002 | 0.007 | 0.007 | 0.004 | 0.004 | <i>0.012</i> | <i>0.014</i> | <i>0.005</i> | <i>0.007</i> | <i>0.020</i> | <i>0.021</i> | <i>0.006</i> | 0.005 | <i>0.009</i> | <i>0.014</i> |
| Wind | 0.330 | 0.384 | 0.235 | 0.363 | 0.422 | <i>0.404</i> | <i>0.302</i> | <i>0.385</i> | <i>0.412</i> | <i>0.454</i> | <i>0.330</i> | <i>0.406</i> | 0.328 | <i>0.378</i> | <i>0.400</i> |
| Wood and Wood Waste | 0.030 | 0.026 | 0.032 | 0.027 | 0.029 | <i>0.026</i> | <i>0.032</i> | <i>0.031</i> | <i>0.033</i> | <i>0.030</i> | <i>0.036</i> | <i>0.035</i> | 0.029 | <i>0.030</i> | <i>0.034</i> |
| Other Renewables | 0.044 | 0.048 | 0.048 | 0.048 | 0.045 | <i>0.047</i> | <i>0.049</i> | <i>0.048</i> | <i>0.048</i> | <i>0.050</i> | <i>0.051</i> | <i>0.049</i> | 0.047 | <i>0.047</i> | <i>0.049</i> |
| Other Fuels (b) | 0.018 | 0.020 | 0.020 | 0.019 | 0.019 | <i>0.020</i> | <i>0.021</i> | <i>0.020</i> | <i>0.020</i> | <i>0.021</i> | <i>0.021</i> | <i>0.020</i> | 0.019 | <i>0.020</i> | <i>0.020</i> |
| Subtotal Electric Power Sector | 10.660 | 10.539 | 12.220 | 9.917 | 10.138 | <i>10.504</i> | <i>11.957</i> | <i>10.292</i> | <i>10.663</i> | <i>10.584</i> | <i>12.049</i> | <i>10.392</i> | 10.836 | <i>10.725</i> | <i>10.924</i> |
| Commercial Sector (c) | | | | | | | | | | | | | | | |
| Coal | 0.003 | 0.003 | 0.003 | 0.002 | 0.003 | <i>0.002</i> | <i>0.003</i> | <i>0.003</i> | <i>0.003</i> | <i>0.003</i> | <i>0.003</i> | <i>0.003</i> | 0.003 | <i>0.003</i> | <i>0.003</i> |
| Natural Gas | 0.012 | 0.012 | 0.013 | 0.012 | 0.012 | <i>0.012</i> | <i>0.013</i> | <i>0.012</i> | <i>0.012</i> | <i>0.012</i> | <i>0.013</i> | <i>0.011</i> | 0.012 | <i>0.012</i> | <i>0.012</i> |
| Petroleum | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | <i>0.000</i> | <i>0.000</i> | <i>0.000</i> | <i>0.000</i> | <i>0.000</i> | <i>0.000</i> | <i>0.000</i> | 0.000 | <i>0.000</i> | <i>0.000</i> |
| Renewables (d) | 0.004 | 0.005 | 0.005 | 0.005 | 0.005 | <i>0.005</i> | <i>0.005</i> | <i>0.005</i> | <i>0.005</i> | <i>0.005</i> | <i>0.005</i> | <i>0.005</i> | 0.005 | <i>0.005</i> | <i>0.005</i> |
| Other Fuels (b) | 0.002 | 0.002 | 0.003 | 0.002 | 0.002 | <i>0.002</i> | <i>0.003</i> | <i>0.002</i> | <i>0.002</i> | <i>0.002</i> | <i>0.003</i> | <i>0.002</i> | 0.002 | <i>0.002</i> | <i>0.002</i> |
| Subtotal Commercial Sector | 0.023 | 0.022 | 0.024 | 0.023 | 0.022 | <i>0.022</i> | <i>0.024</i> | <i>0.022</i> | <i>0.022</i> | <i>0.022</i> | <i>0.024</i> | <i>0.022</i> | 0.023 | <i>0.023</i> | <i>0.023</i> |
| Industrial Sector (c) | | | | | | | | | | | | | | | |
| Coal | 0.051 | 0.048 | 0.057 | 0.046 | 0.048 | <i>0.049</i> | <i>0.053</i> | <i>0.050</i> | <i>0.052</i> | <i>0.051</i> | <i>0.055</i> | <i>0.052</i> | 0.050 | <i>0.050</i> | <i>0.052</i> |
| Natural Gas | 0.220 | 0.220 | 0.229 | 0.224 | 0.231 | <i>0.224</i> | <i>0.244</i> | <i>0.225</i> | <i>0.231</i> | <i>0.222</i> | <i>0.243</i> | <i>0.225</i> | 0.223 | <i>0.231</i> | <i>0.230</i> |
| Other Gases | 0.021 | 0.022 | 0.023 | 0.023 | 0.024 | <i>0.022</i> | <i>0.025</i> | <i>0.024</i> | <i>0.025</i> | <i>0.023</i> | <i>0.026</i> | <i>0.025</i> | 0.022 | <i>0.024</i> | <i>0.025</i> |
| Petroleum | 0.006 | 0.005 | 0.005 | 0.004 | 0.007 | <i>0.005</i> | <i>0.006</i> | <i>0.004</i> | <i>0.008</i> | <i>0.005</i> | <i>0.006</i> | <i>0.005</i> | 0.005 | <i>0.006</i> | <i>0.006</i> |
| Renewables: | | | | | | | | | | | | | | | |
| Conventional Hydroelectric | 0.005 | 0.006 | 0.004 | 0.005 | 0.006 | <i>0.006</i> | <i>0.004</i> | <i>0.005</i> | <i>0.006</i> | <i>0.006</i> | <i>0.004</i> | <i>0.006</i> | 0.005 | <i>0.005</i> | <i>0.006</i> |
| Wood and Wood Waste | 0.072 | 0.071 | 0.074 | 0.073 | 0.071 | <i>0.072</i> | <i>0.076</i> | <i>0.074</i> | <i>0.072</i> | <i>0.073</i> | <i>0.077</i> | <i>0.075</i> | 0.072 | <i>0.074</i> | <i>0.074</i> |
| Other Renewables (e) | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | <i>0.002</i> | <i>0.003</i> | <i>0.002</i> | <i>0.002</i> | <i>0.002</i> | <i>0.003</i> | <i>0.002</i> | 0.002 | <i>0.002</i> | <i>0.002</i> |
| Other Fuels (b) | 0.009 | 0.009 | 0.009 | 0.009 | 0.008 | <i>0.010</i> | <i>0.009</i> | <i>0.009</i> | <i>0.008</i> | <i>0.010</i> | <i>0.009</i> | <i>0.009</i> | 0.009 | <i>0.009</i> | <i>0.009</i> |
| Subtotal Industrial Sector | 0.387 | 0.383 | 0.403 | 0.386 | 0.398 | <i>0.390</i> | <i>0.420</i> | <i>0.396</i> | <i>0.405</i> | <i>0.393</i> | <i>0.422</i> | <i>0.399</i> | 0.390 | <i>0.401</i> | <i>0.405</i> |
| Total All Sectors | 11.070 | 10.944 | 12.647 | 10.326 | 10.558 | <i>10.912</i> | <i>12.385</i> | <i>10.693</i> | <i>11.070</i> | <i>10.977</i> | <i>12.471</i> | <i>10.788</i> | 11.249 | <i>11.139</i> | <i>11.329</i> |

- = no data available

(a) Electric utilities and independent power producers.

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

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

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

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

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

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

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

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

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

Table 7e. U.S. Fuel Consumption for Electricity Generation by Sector
 U.S. Energy Information Administration | Short-Term Energy Outlook - June 2012

| | 2011 | | | | 2012 | | | | 2013 | | | | Year | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2011 | 2012 | 2013 |
| Electric Power Sector (a) | | | | | | | | | | | | | | | |
| Coal (mmst/d) | 2.60 | 2.45 | 2.83 | 2.26 | 2.08 | <i>1.96</i> | <i>2.50</i> | <i>2.25</i> | <i>2.26</i> | <i>2.02</i> | <i>2.41</i> | <i>2.17</i> | 2.53 | <i>2.20</i> | <i>2.22</i> |
| Natural Gas (bcf/d) | 15.83 | 19.02 | 26.82 | 17.99 | 20.89 | <i>25.00</i> | <i>29.37</i> | <i>20.62</i> | <i>20.35</i> | <i>23.00</i> | <i>30.13</i> | <i>21.25</i> | 19.94 | <i>23.97</i> | <i>23.70</i> |
| Petroleum (mmb/d) (b) | 0.15 | 0.13 | 0.14 | 0.10 | 0.10 | <i>0.11</i> | <i>0.12</i> | <i>0.12</i> | <i>0.13</i> | <i>0.13</i> | <i>0.14</i> | <i>0.13</i> | 0.13 | <i>0.11</i> | <i>0.13</i> |
| Residual Fuel Oil (mmb/d) | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | <i>0.04</i> | <i>0.05</i> | <i>0.03</i> | <i>0.03</i> | <i>0.04</i> | <i>0.04</i> | <i>0.03</i> | 0.04 | <i>0.04</i> | <i>0.04</i> |
| Distillate Fuel Oil (mmb/d) | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | <i>0.02</i> | <i>0.02</i> | <i>0.03</i> | <i>0.03</i> | <i>0.03</i> | <i>0.03</i> | <i>0.03</i> | 0.03 | <i>0.02</i> | <i>0.03</i> |
| Petroleum Coke (mmst/d) | 0.07 | 0.05 | 0.07 | 0.05 | 0.04 | <i>0.04</i> | <i>0.05</i> | <i>0.05</i> | <i>0.06</i> | <i>0.06</i> | <i>0.07</i> | <i>0.06</i> | 0.06 | <i>0.05</i> | <i>0.06</i> |
| Other Petroleum (mmb/d) | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | <i>0.00</i> | <i>0.00</i> | <i>0.01</i> | <i>0.01</i> | <i>0.00</i> | <i>0.01</i> | <i>0.01</i> | 0.00 | <i>0.00</i> | <i>0.01</i> |
| Commercial Sector (c) | | | | | | | | | | | | | | | |
| Coal (mmst/d) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | 0.00 | <i>0.00</i> | <i>0.00</i> |
| Natural Gas (bcf/d) | 0.10 | 0.10 | 0.11 | 0.10 | 0.10 | <i>0.10</i> | <i>0.11</i> | <i>0.10</i> | <i>0.09</i> | <i>0.10</i> | <i>0.11</i> | <i>0.09</i> | 0.10 | <i>0.10</i> | <i>0.10</i> |
| Petroleum (mmb/d) (b) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | <i>0.00</i> | 0.00 | <i>0.00</i> | <i>0.00</i> |
| Industrial Sector (c) | | | | | | | | | | | | | | | |
| Coal (mmst/d) | 0.02 | 0.02 | 0.03 | 0.02 | 0.02 | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | <i>0.02</i> | 0.02 | <i>0.02</i> | <i>0.02</i> |
| Natural Gas (bcf/d) | 1.52 | 1.54 | 1.59 | 1.54 | 1.57 | <i>1.55</i> | <i>1.69</i> | <i>1.54</i> | <i>1.53</i> | <i>1.53</i> | <i>1.68</i> | <i>1.54</i> | 1.55 | <i>1.59</i> | <i>1.57</i> |
| Petroleum (mmb/d) (b) | 0.01 | 0.01 | 0.01 | 0.00 | 0.01 | <i>0.01</i> | <i>0.01</i> | <i>0.00</i> | <i>0.01</i> | <i>0.01</i> | <i>0.01</i> | <i>0.01</i> | 0.01 | <i>0.01</i> | <i>0.01</i> |
| Total All Sectors | | | | | | | | | | | | | | | |
| Coal (mmst/d) | 2.62 | 2.47 | 2.86 | 2.28 | 2.10 | <i>1.98</i> | <i>2.53</i> | <i>2.27</i> | <i>2.28</i> | <i>2.05</i> | <i>2.44</i> | <i>2.20</i> | 2.56 | <i>2.22</i> | <i>2.24</i> |
| Natural Gas (bcf/d) | 17.45 | 20.66 | 28.51 | 19.64 | 22.55 | <i>26.63</i> | <i>31.09</i> | <i>22.19</i> | <i>21.92</i> | <i>24.56</i> | <i>31.82</i> | <i>22.79</i> | 21.59 | <i>25.62</i> | <i>25.29</i> |
| Petroleum (mmb/d) (b) | 0.16 | 0.13 | 0.15 | 0.11 | 0.11 | <i>0.12</i> | <i>0.13</i> | <i>0.12</i> | <i>0.14</i> | <i>0.14</i> | <i>0.15</i> | <i>0.13</i> | 0.14 | <i>0.12</i> | <i>0.14</i> |
| End-of-period Fuel Inventories Held by Electric Power Sector | | | | | | | | | | | | | | | |
| Coal (mmst) | 166.7 | 165.7 | 144.4 | 175.1 | 196.4 | <i>208.8</i> | <i>196.9</i> | <i>201.8</i> | <i>196.9</i> | <i>207.6</i> | <i>195.7</i> | <i>200.9</i> | 175.1 | <i>201.8</i> | <i>200.9</i> |
| Residual Fuel Oil (mmb) | 15.4 | 16.4 | 15.7 | 15.5 | 15.3 | <i>16.8</i> | <i>15.9</i> | <i>15.2</i> | <i>14.3</i> | <i>15.4</i> | <i>14.5</i> | <i>14.0</i> | 15.5 | <i>15.2</i> | <i>14.0</i> |
| Distillate Fuel Oil (mmb) | 16.5 | 16.8 | 16.7 | 17.1 | 16.9 | <i>16.9</i> | <i>17.0</i> | <i>17.2</i> | <i>16.6</i> | <i>16.6</i> | <i>16.7</i> | <i>16.9</i> | 17.1 | <i>17.2</i> | <i>16.9</i> |
| Petroleum Coke (mmb) | 2.4 | 2.5 | 1.9 | 2.3 | 2.0 | <i>2.6</i> | <i>2.6</i> | <i>2.5</i> | <i>2.7</i> | <i>2.8</i> | <i>2.8</i> | <i>2.8</i> | 2.3 | <i>2.5</i> | <i>2.8</i> |

- = no data available

(a) Electric utilities and independent power producers.

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

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

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

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

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

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

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

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

Table 8. U.S. Renewable Energy Supply and Consumption (Quadrillion Btu)
 U.S. Energy Information Administration | Short-Term Energy Outlook - June 2012

| | 2011 | | | | 2012 | | | | 2013 | | | | Year | | |
|-------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2011 | 2012 | 2013 |
| Supply | | | | | | | | | | | | | | | |
| Hydroelectric Power (a) | 0.806 | 0.946 | 0.775 | 0.645 | 0.693 | <i>0.874</i> | <i>0.691</i> | <i>0.589</i> | <i>0.670</i> | <i>0.786</i> | <i>0.629</i> | <i>0.582</i> | 3.171 | <i>2.847</i> | <i>2.666</i> |
| Wood Biomass (b) | 0.495 | 0.486 | 0.504 | 0.502 | 0.494 | <i>0.471</i> | <i>0.497</i> | <i>0.500</i> | <i>0.489</i> | <i>0.481</i> | <i>0.506</i> | <i>0.512</i> | 1.987 | <i>1.962</i> | <i>1.988</i> |
| Waste Biomass (c) | 0.116 | 0.118 | 0.121 | 0.123 | 0.117 | <i>0.118</i> | <i>0.129</i> | <i>0.125</i> | <i>0.118</i> | <i>0.123</i> | <i>0.132</i> | <i>0.128</i> | 0.477 | <i>0.489</i> | <i>0.501</i> |
| Wind | 0.290 | 0.341 | 0.211 | 0.326 | 0.375 | <i>0.359</i> | <i>0.271</i> | <i>0.346</i> | <i>0.362</i> | <i>0.403</i> | <i>0.296</i> | <i>0.365</i> | 1.168 | <i>1.351</i> | <i>1.426</i> |
| Geothermal | 0.057 | 0.056 | 0.056 | 0.057 | 0.057 | <i>0.057</i> | <i>0.059</i> | <i>0.058</i> | <i>0.058</i> | <i>0.057</i> | <i>0.058</i> | <i>0.059</i> | 0.226 | <i>0.231</i> | <i>0.232</i> |
| Solar | 0.037 | 0.041 | 0.042 | 0.039 | 0.046 | <i>0.053</i> | <i>0.055</i> | <i>0.047</i> | <i>0.057</i> | <i>0.069</i> | <i>0.070</i> | <i>0.057</i> | 0.158 | <i>0.202</i> | <i>0.253</i> |
| Ethanol (d) | 0.292 | 0.290 | 0.293 | 0.307 | 0.297 | <i>0.292</i> | <i>0.298</i> | <i>0.300</i> | <i>0.295</i> | <i>0.298</i> | <i>0.301</i> | <i>0.301</i> | 1.183 | <i>1.187</i> | <i>1.194</i> |
| Biodiesel (d) | 0.017 | 0.029 | 0.036 | 0.041 | 0.034 | <i>0.035</i> | <i>0.036</i> | <i>0.036</i> | <i>0.036</i> | <i>0.037</i> | <i>0.038</i> | <i>0.037</i> | 0.123 | <i>0.140</i> | <i>0.148</i> |
| Total | 2.110 | 2.308 | 2.038 | 2.039 | 2.109 | <i>2.259</i> | <i>2.036</i> | <i>2.001</i> | <i>2.084</i> | <i>2.252</i> | <i>2.031</i> | <i>2.040</i> | 8.495 | <i>8.405</i> | <i>8.408</i> |
| Consumption | | | | | | | | | | | | | | | |
| Electric Power Sector | | | | | | | | | | | | | | | |
| Hydroelectric Power (a) | 0.801 | 0.941 | 0.771 | 0.641 | 0.688 | <i>0.868</i> | <i>0.688</i> | <i>0.584</i> | <i>0.664</i> | <i>0.779</i> | <i>0.625</i> | <i>0.576</i> | 3.154 | <i>2.827</i> | <i>2.646</i> |
| Wood Biomass (b) | 0.046 | 0.040 | 0.047 | 0.042 | 0.045 | <i>0.039</i> | <i>0.050</i> | <i>0.048</i> | <i>0.050</i> | <i>0.046</i> | <i>0.055</i> | <i>0.055</i> | 0.175 | <i>0.183</i> | <i>0.206</i> |
| Waste Biomass (c) | 0.064 | 0.067 | 0.069 | 0.069 | 0.066 | <i>0.067</i> | <i>0.070</i> | <i>0.069</i> | <i>0.068</i> | <i>0.071</i> | <i>0.074</i> | <i>0.071</i> | 0.269 | <i>0.272</i> | <i>0.284</i> |
| Wind | 0.290 | 0.341 | 0.211 | 0.326 | 0.375 | <i>0.359</i> | <i>0.271</i> | <i>0.346</i> | <i>0.362</i> | <i>0.403</i> | <i>0.296</i> | <i>0.365</i> | 1.168 | <i>1.351</i> | <i>1.426</i> |
| Geothermal | 0.042 | 0.040 | 0.040 | 0.041 | 0.041 | <i>0.041</i> | <i>0.043</i> | <i>0.043</i> | <i>0.042</i> | <i>0.041</i> | <i>0.043</i> | <i>0.043</i> | 0.163 | <i>0.167</i> | <i>0.168</i> |
| Solar | 0.002 | 0.006 | 0.006 | 0.003 | 0.004 | <i>0.011</i> | <i>0.013</i> | <i>0.004</i> | <i>0.006</i> | <i>0.018</i> | <i>0.019</i> | <i>0.006</i> | 0.018 | <i>0.032</i> | <i>0.048</i> |
| Subtotal | 1.245 | 1.435 | 1.145 | 1.122 | 1.219 | <i>1.384</i> | <i>1.135</i> | <i>1.093</i> | <i>1.192</i> | <i>1.358</i> | <i>1.112</i> | <i>1.115</i> | 4.947 | <i>4.831</i> | <i>4.777</i> |
| Industrial Sector | | | | | | | | | | | | | | | |
| Hydroelectric Power (a) | 0.005 | 0.005 | 0.003 | 0.005 | 0.005 | <i>0.006</i> | <i>0.004</i> | <i>0.005</i> | <i>0.005</i> | <i>0.006</i> | <i>0.004</i> | <i>0.005</i> | 0.018 | <i>0.019</i> | <i>0.020</i> |
| Wood Biomass (b) | 0.325 | 0.322 | 0.331 | 0.334 | 0.325 | <i>0.305</i> | <i>0.320</i> | <i>0.324</i> | <i>0.312</i> | <i>0.309</i> | <i>0.324</i> | <i>0.330</i> | 1.311 | <i>1.274</i> | <i>1.275</i> |
| Waste Biomass (c) | 0.043 | 0.042 | 0.043 | 0.044 | 0.043 | <i>0.043</i> | <i>0.049</i> | <i>0.048</i> | <i>0.041</i> | <i>0.044</i> | <i>0.050</i> | <i>0.048</i> | 0.172 | <i>0.182</i> | <i>0.183</i> |
| Geothermal | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | <i>0.001</i> | <i>0.001</i> | <i>0.001</i> | <i>0.001</i> | <i>0.001</i> | <i>0.001</i> | <i>0.001</i> | 0.004 | <i>0.004</i> | <i>0.004</i> |
| Subtotal | 0.378 | 0.375 | 0.383 | 0.388 | 0.378 | <i>0.360</i> | <i>0.378</i> | <i>0.383</i> | <i>0.364</i> | <i>0.364</i> | <i>0.383</i> | <i>0.389</i> | 1.524 | <i>1.498</i> | <i>1.501</i> |
| Commercial Sector | | | | | | | | | | | | | | | |
| Wood Biomass (b) | 0.017 | 0.018 | 0.018 | 0.018 | 0.018 | <i>0.019</i> | <i>0.019</i> | <i>0.020</i> | <i>0.019</i> | <i>0.019</i> | <i>0.019</i> | <i>0.020</i> | 0.071 | <i>0.075</i> | <i>0.076</i> |
| Waste Biomass (c) | 0.009 | 0.008 | 0.009 | 0.010 | 0.009 | <i>0.008</i> | <i>0.009</i> | <i>0.009</i> | <i>0.009</i> | <i>0.008</i> | <i>0.009</i> | <i>0.009</i> | 0.036 | <i>0.034</i> | <i>0.035</i> |
| Geothermal | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | <i>0.005</i> | <i>0.005</i> | <i>0.005</i> | <i>0.005</i> | <i>0.005</i> | <i>0.005</i> | <i>0.005</i> | 0.020 | <i>0.020</i> | <i>0.020</i> |
| Subtotal | 0.032 | 0.032 | 0.033 | 0.034 | 0.032 | <i>0.033</i> | <i>0.034</i> | <i>0.034</i> | <i>0.034</i> | <i>0.033</i> | <i>0.034</i> | <i>0.035</i> | 0.131 | <i>0.134</i> | <i>0.136</i> |
| Residential Sector | | | | | | | | | | | | | | | |
| Wood Biomass (b) | 0.106 | 0.107 | 0.108 | 0.108 | 0.107 | <i>0.108</i> | <i>0.108</i> | <i>0.108</i> | <i>0.108</i> | <i>0.108</i> | <i>0.108</i> | <i>0.108</i> | 0.430 | <i>0.430</i> | <i>0.430</i> |
| Geothermal | 0.010 | 0.010 | 0.010 | 0.010 | 0.010 | <i>0.010</i> | <i>0.010</i> | <i>0.010</i> | <i>0.010</i> | <i>0.010</i> | <i>0.010</i> | <i>0.010</i> | 0.040 | <i>0.040</i> | <i>0.040</i> |
| Solar | 0.035 | 0.035 | 0.035 | 0.035 | 0.042 | <i>0.042</i> | <i>0.043</i> | <i>0.043</i> | <i>0.051</i> | <i>0.051</i> | <i>0.052</i> | <i>0.052</i> | 0.140 | <i>0.170</i> | <i>0.205</i> |
| Subtotal | 0.150 | 0.152 | 0.154 | 0.154 | 0.159 | <i>0.160</i> | <i>0.160</i> | <i>0.160</i> | <i>0.168</i> | <i>0.169</i> | <i>0.169</i> | <i>0.169</i> | 0.610 | <i>0.639</i> | <i>0.675</i> |
| Transportation Sector | | | | | | | | | | | | | | | |
| Ethanol (d) | 0.263 | 0.277 | 0.276 | 0.275 | 0.262 | <i>0.282</i> | <i>0.277</i> | <i>0.284</i> | <i>0.272</i> | <i>0.285</i> | <i>0.285</i> | <i>0.285</i> | 1.091 | <i>1.105</i> | <i>1.127</i> |
| Biodiesel (d) | 0.013 | 0.026 | 0.035 | 0.038 | 0.023 | <i>0.035</i> | <i>0.035</i> | <i>0.036</i> | <i>0.035</i> | <i>0.037</i> | <i>0.038</i> | <i>0.037</i> | 0.113 | <i>0.129</i> | <i>0.147</i> |
| Total Consumption | 2.077 | 2.292 | 2.020 | 2.004 | 2.067 | <i>2.243</i> | <i>2.015</i> | <i>1.986</i> | <i>2.061</i> | <i>2.240</i> | <i>2.016</i> | <i>2.024</i> | 8.392 | <i>8.310</i> | <i>8.341</i> |

- = no data available

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

(b) Wood and wood-derived fuels.

(c) Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass.

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

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

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

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

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

Table 9a. U.S. Macroeconomic Indicators and CO₂ Emissions

U.S. Energy Information Administration | Short-Term Energy Outlook - June 2012

| | 2011 | | | | 2012 | | | | 2013 | | | | Year | | |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2011 | 2012 | 2013 |
| Macroeconomic | | | | | | | | | | | | | | | |
| Real Gross Domestic Product | | | | | | | | | | | | | | | |
| (billion chained 2005 dollars - SAAR) | 13,228 | 13,272 | 13,332 | 13,429 | 13,502 | <i>13,571</i> | <i>13,642</i> | <i>13,715</i> | <i>13,788</i> | <i>13,876</i> | <i>13,972</i> | <i>14,086</i> | 13,315 | 13,608 | 13,931 |
| Real Disposable Personal Income | | | | | | | | | | | | | | | |
| (billion chained 2005 Dollars - SAAR) | 10,183 | 10,170 | 10,189 | 10,232 | 10,242 | <i>10,287</i> | <i>10,343</i> | <i>10,392</i> | <i>10,427</i> | <i>10,471</i> | <i>10,522</i> | <i>10,593</i> | 10,193 | 10,316 | 10,503 |
| Real Fixed Investment | | | | | | | | | | | | | | | |
| (billion chained 2005 dollars-SAAR) | 1,699 | 1,737 | 1,790 | 1,818 | 1,824 | <i>1,857</i> | <i>1,893</i> | <i>1,926</i> | <i>1,957</i> | <i>2,006</i> | <i>2,057</i> | <i>2,115</i> | 1,761 | 1,875 | 2,034 |
| Business Inventory Change | | | | | | | | | | | | | | | |
| (billion chained 2005 dollars-SAAR) | 33.28 | 24.16 | 11.34 | 32.98 | 20.84 | <i>25.82</i> | <i>20.31</i> | <i>18.96</i> | <i>14.25</i> | <i>10.10</i> | <i>8.44</i> | <i>7.58</i> | 25.44 | 21.48 | 10.09 |
| Housing Stock | | | | | | | | | | | | | | | |
| (millions) | 123.5 | 123.5 | 123.5 | 123.5 | 123.5 | <i>123.6</i> | <i>123.6</i> | <i>123.6</i> | <i>123.7</i> | <i>123.7</i> | <i>123.8</i> | <i>123.9</i> | 123.5 | 123.6 | 123.9 |
| Non-Farm Employment | | | | | | | | | | | | | | | |
| (millions) | 130.7 | 131.2 | 131.5 | 132.0 | 132.7 | <i>133.1</i> | <i>133.6</i> | <i>134.1</i> | <i>134.7</i> | <i>135.3</i> | <i>135.8</i> | <i>136.4</i> | 131.4 | 133.4 | 135.5 |
| Commercial Employment | | | | | | | | | | | | | | | |
| (millions) | 88.7 | 89.2 | 89.5 | 90.0 | 90.5 | <i>90.9</i> | <i>91.4</i> | <i>91.8</i> | <i>92.3</i> | <i>92.7</i> | <i>93.2</i> | <i>93.5</i> | 89.4 | 91.2 | 92.9 |
| Industrial Production Indices (Index, 2007=100) | | | | | | | | | | | | | | | |
| Total Industrial Production | 92.6 | 92.9 | 94.2 | 95.3 | 96.6 | <i>97.5</i> | <i>98.3</i> | <i>98.9</i> | <i>99.5</i> | <i>100.2</i> | <i>101.1</i> | <i>101.9</i> | 93.7 | 97.8 | 100.7 |
| Manufacturing | 90.4 | 90.6 | 91.7 | 92.9 | 95.3 | <i>96.1</i> | <i>97.0</i> | <i>97.7</i> | <i>98.4</i> | <i>99.3</i> | <i>100.3</i> | <i>101.4</i> | 91.4 | 96.5 | 99.9 |
| Food | 99.5 | 100.3 | 100.4 | 101.2 | 102.6 | <i>102.8</i> | <i>103.1</i> | <i>103.5</i> | <i>103.8</i> | <i>104.2</i> | <i>104.7</i> | <i>105.3</i> | 100.3 | 103.0 | 104.5 |
| Paper | 87.5 | 86.0 | 85.0 | 85.3 | 85.6 | <i>85.8</i> | <i>86.1</i> | <i>86.4</i> | <i>86.5</i> | <i>87.1</i> | <i>87.7</i> | <i>88.5</i> | 86.0 | 86.0 | 87.5 |
| Chemicals | 87.2 | 86.2 | 86.6 | 86.7 | 88.3 | <i>89.0</i> | <i>89.5</i> | <i>89.8</i> | <i>89.9</i> | <i>90.5</i> | <i>91.2</i> | <i>91.8</i> | 86.7 | 89.2 | 90.8 |
| Petroleum | 94.7 | 96.6 | 100.8 | 102.0 | 102.1 | <i>102.5</i> | <i>102.9</i> | <i>103.2</i> | <i>103.6</i> | <i>104.1</i> | <i>104.4</i> | <i>104.5</i> | 98.5 | 102.7 | 104.2 |
| Stone, Clay, Glass | 69.1 | 71.3 | 72.3 | 71.1 | 72.3 | <i>72.4</i> | <i>72.8</i> | <i>73.3</i> | <i>74.2</i> | <i>76.2</i> | <i>78.5</i> | <i>81.0</i> | 71.0 | 72.7 | 77.5 |
| Primary Metals | 95.7 | 95.3 | 95.9 | 100.2 | 103.9 | <i>105.3</i> | <i>106.1</i> | <i>106.2</i> | <i>106.2</i> | <i>107.7</i> | <i>109.4</i> | <i>111.1</i> | 96.8 | 105.4 | 108.6 |
| Resins and Synthetic Products | 87.1 | 80.7 | 80.7 | 80.8 | 85.6 | <i>86.3</i> | <i>86.9</i> | <i>87.1</i> | <i>87.0</i> | <i>87.4</i> | <i>88.2</i> | <i>89.0</i> | 82.3 | 86.5 | 87.9 |
| Agricultural Chemicals | 93.6 | 91.4 | 92.8 | 94.1 | 97.6 | <i>99.5</i> | <i>100.0</i> | <i>99.8</i> | <i>99.6</i> | <i>100.1</i> | <i>100.7</i> | <i>101.1</i> | 93.0 | 99.2 | 100.4 |
| Natural Gas-weighted (a) | 89.9 | 88.7 | 89.8 | 90.8 | 93.0 | <i>93.7</i> | <i>94.2</i> | <i>94.4</i> | <i>94.6</i> | <i>95.3</i> | <i>96.2</i> | <i>97.1</i> | 89.8 | 93.8 | 95.8 |
| Price Indexes | | | | | | | | | | | | | | | |
| Consumer Price Index (all urban consumers) | | | | | | | | | | | | | | | |
| (index, 1982-1984=1.00) | 2.22 | 2.25 | 2.26 | 2.27 | 2.28 | <i>2.29</i> | <i>2.31</i> | <i>2.32</i> | <i>2.32</i> | <i>2.33</i> | <i>2.34</i> | <i>2.35</i> | 2.25 | 2.30 | 2.34 |
| Producer Price Index: All Commodities | | | | | | | | | | | | | | | |
| (index, 1982=1.00) | 1.98 | 2.02 | 2.02 | 2.03 | 2.04 | <i>2.02</i> | <i>2.04</i> | <i>2.05</i> | <i>2.05</i> | <i>2.05</i> | <i>2.06</i> | <i>2.07</i> | 2.01 | 2.04 | 2.05 |
| Producer Price Index: Petroleum | | | | | | | | | | | | | | | |
| (index, 1982=1.00) | 2.74 | 3.22 | 3.07 | 2.94 | 3.08 | <i>3.07</i> | <i>2.98</i> | <i>2.98</i> | <i>3.00</i> | <i>3.03</i> | <i>3.03</i> | <i>2.93</i> | 2.99 | 3.03 | 3.00 |
| GDP Implicit Price Deflator | | | | | | | | | | | | | | | |
| (index, 2005=100) | 112.4 | 113.1 | 113.8 | 114.1 | 114.5 | <i>115.0</i> | <i>115.6</i> | <i>116.1</i> | <i>116.3</i> | <i>116.6</i> | <i>117.0</i> | <i>117.5</i> | 113.3 | 115.3 | 116.9 |
| Miscellaneous | | | | | | | | | | | | | | | |
| Vehicle Miles Traveled (b) | | | | | | | | | | | | | | | |
| (million miles/day) | 7,585 | 8,324 | 8,251 | 7,951 | 7,608 | <i>8,451</i> | <i>8,416</i> | <i>8,051</i> | <i>7,755</i> | <i>8,504</i> | <i>8,470</i> | <i>8,105</i> | 8,029 | 8,132 | 8,210 |
| Air Travel Capacity | | | | | | | | | | | | | | | |
| (Available ton-miles/day, thousands) | 519 | 549 | 554 | 527 | 514 | <i>548</i> | <i>554</i> | <i>533</i> | <i>519</i> | <i>550</i> | <i>557</i> | <i>534</i> | 537 | 537 | 540 |
| Aircraft Utilization | | | | | | | | | | | | | | | |
| (Revenue ton-miles/day, thousands) | 307 | 339 | 344 | 320 | 306 | <i>338</i> | <i>345</i> | <i>331</i> | <i>317</i> | <i>343</i> | <i>349</i> | <i>332</i> | 328 | 330 | 335 |
| Airline Ticket Price Index | | | | | | | | | | | | | | | |
| (index, 1982-1984=100) | 298.2 | 308.1 | 307.8 | 302.0 | 299.2 | <i>305.8</i> | <i>296.7</i> | <i>311.0</i> | <i>324.2</i> | <i>316.4</i> | <i>306.7</i> | <i>319.2</i> | 304.0 | 303.2 | 316.6 |
| Raw Steel Production | | | | | | | | | | | | | | | |
| (million short tons per day) | 0.257 | 0.261 | 0.266 | 0.264 | 0.274 | <i>0.289</i> | <i>0.306</i> | <i>0.296</i> | <i>0.310</i> | <i>0.320</i> | <i>0.306</i> | <i>0.294</i> | 0.262 | 0.291 | 0.308 |
| Carbon Dioxide (CO₂) Emissions (million metric tons) | | | | | | | | | | | | | | | |
| Petroleum | 571 | 575 | 578 | 575 | 555 | <i>570</i> | <i>585</i> | <i>580</i> | <i>561</i> | <i>578</i> | <i>583</i> | <i>580</i> | 2,299 | 2,291 | 2,303 |
| Natural Gas | 402 | 273 | 287 | 333 | 391 | <i>296</i> | <i>301</i> | <i>367</i> | <i>420</i> | <i>292</i> | <i>307</i> | <i>369</i> | 1,296 | 1,355 | 1,387 |
| Coal | 476 | 452 | 522 | 425 | 392 | <i>379</i> | <i>478</i> | <i>436</i> | <i>430</i> | <i>394</i> | <i>464</i> | <i>425</i> | 1,874 | 1,685 | 1,712 |
| Total Fossil Fuels | 1,449 | 1,300 | 1,387 | 1,332 | 1,338 | <i>1,245</i> | <i>1,363</i> | <i>1,384</i> | <i>1,411</i> | <i>1,263</i> | <i>1,354</i> | <i>1,374</i> | 5,469 | 5,331 | 5,402 |

- = 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

U.S. Energy Information Administration | Short-Term Energy Outlook - June 2012

| | 2011 | | | | 2012 | | | | 2013 | | | | Year | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2011 | 2012 | 2013 |
| Real Gross State Product (Billion \$2005) | | | | | | | | | | | | | | | |
| New England | 730 | 733 | 732 | 736 | 740 | 743 | 747 | 750 | 754 | 758 | 763 | 768 | 733 | 745 | 761 |
| Middle Atlantic | 2,011 | 2,022 | 2,027 | 2,037 | 2,050 | 2,061 | 2,072 | 2,084 | 2,095 | 2,106 | 2,117 | 2,133 | 2,024 | 2,067 | 2,113 |
| E. N. Central | 1,835 | 1,842 | 1,841 | 1,852 | 1,862 | 1,872 | 1,882 | 1,889 | 1,898 | 1,909 | 1,920 | 1,933 | 1,842 | 1,876 | 1,915 |
| W. N. Central | 852 | 854 | 854 | 865 | 870 | 875 | 879 | 883 | 888 | 893 | 899 | 905 | 856 | 877 | 896 |
| S. Atlantic | 2,422 | 2,435 | 2,438 | 2,458 | 2,467 | 2,480 | 2,493 | 2,506 | 2,520 | 2,538 | 2,555 | 2,577 | 2,438 | 2,486 | 2,547 |
| E. S. Central | 617 | 619 | 620 | 625 | 627 | 631 | 634 | 638 | 641 | 645 | 649 | 654 | 620 | 633 | 648 |
| W. S. Central | 1,516 | 1,516 | 1,552 | 1,560 | 1,572 | 1,578 | 1,584 | 1,596 | 1,607 | 1,622 | 1,637 | 1,655 | 1,536 | 1,582 | 1,630 |
| Mountain | 863 | 864 | 872 | 877 | 882 | 886 | 891 | 896 | 902 | 908 | 915 | 923 | 869 | 889 | 912 |
| Pacific | 2,319 | 2,323 | 2,330 | 2,356 | 2,367 | 2,380 | 2,394 | 2,406 | 2,418 | 2,431 | 2,449 | 2,469 | 2,332 | 2,387 | 2,442 |
| Industrial Output, Manufacturing (Index, Year 2007=100) | | | | | | | | | | | | | | | |
| New England | 92.2 | 91.9 | 92.9 | 93.8 | 95.7 | 96.1 | 96.8 | 97.2 | 97.8 | 98.6 | 99.4 | 100.3 | 92.7 | 96.5 | 99.0 |
| Middle Atlantic | 90.0 | 89.9 | 90.5 | 91.3 | 93.7 | 94.4 | 95.2 | 95.6 | 96.1 | 96.9 | 97.8 | 98.6 | 90.4 | 94.7 | 97.3 |
| E. N. Central | 89.5 | 90.0 | 91.3 | 92.6 | 95.8 | 96.7 | 97.7 | 98.5 | 99.2 | 100.3 | 101.4 | 102.6 | 90.9 | 97.2 | 100.9 |
| W. N. Central | 93.0 | 93.4 | 94.8 | 96.3 | 99.3 | 100.1 | 101.0 | 101.7 | 102.2 | 103.2 | 104.3 | 105.4 | 94.4 | 100.5 | 103.8 |
| S. Atlantic | 87.3 | 87.2 | 88.3 | 89.4 | 91.5 | 92.0 | 92.8 | 93.4 | 94.0 | 94.9 | 95.8 | 96.8 | 88.1 | 92.4 | 95.4 |
| E. S. Central | 86.2 | 86.2 | 87.1 | 88.7 | 90.7 | 91.5 | 92.7 | 93.7 | 94.6 | 95.7 | 97.0 | 98.3 | 87.0 | 92.2 | 96.4 |
| W. S. Central | 93.6 | 94.1 | 95.4 | 97.0 | 99.5 | 100.5 | 101.5 | 102.3 | 103.0 | 104.0 | 105.0 | 106.1 | 95.0 | 100.9 | 104.5 |
| Mountain | 90.1 | 90.2 | 91.7 | 93.0 | 95.5 | 96.3 | 97.2 | 97.9 | 98.8 | 99.9 | 101.0 | 102.2 | 91.3 | 96.7 | 100.5 |
| Pacific | 91.9 | 92.0 | 93.2 | 94.1 | 96.0 | 96.7 | 97.4 | 98.0 | 98.8 | 99.7 | 100.6 | 101.7 | 92.8 | 97.1 | 100.2 |
| Real Personal Income (Billion \$2005) | | | | | | | | | | | | | | | |
| New England | 649 | 653 | 649 | 652 | 654 | 658 | 663 | 667 | 671 | 676 | 679 | 682 | 651 | 661 | 677 |
| Middle Atlantic | 1,753 | 1,749 | 1,751 | 1,761 | 1,765 | 1,775 | 1,792 | 1,806 | 1,816 | 1,828 | 1,837 | 1,847 | 1,753 | 1,784 | 1,832 |
| E. N. Central | 1,604 | 1,601 | 1,605 | 1,611 | 1,616 | 1,623 | 1,634 | 1,644 | 1,652 | 1,663 | 1,670 | 1,677 | 1,605 | 1,629 | 1,666 |
| W. N. Central | 746 | 747 | 748 | 751 | 753 | 757 | 763 | 768 | 772 | 778 | 781 | 785 | 748 | 760 | 779 |
| S. Atlantic | 2,132 | 2,133 | 2,135 | 2,145 | 2,151 | 2,163 | 2,182 | 2,199 | 2,216 | 2,233 | 2,245 | 2,260 | 2,136 | 2,174 | 2,238 |
| E. S. Central | 564 | 565 | 566 | 568 | 568 | 571 | 576 | 580 | 584 | 588 | 591 | 594 | 566 | 574 | 589 |
| W. S. Central | 1,251 | 1,256 | 1,263 | 1,274 | 1,283 | 1,292 | 1,304 | 1,315 | 1,325 | 1,337 | 1,347 | 1,357 | 1,261 | 1,299 | 1,342 |
| Mountain | 740 | 742 | 743 | 748 | 750 | 754 | 761 | 768 | 774 | 780 | 785 | 790 | 743 | 758 | 782 |
| Pacific | 1,947 | 1,944 | 1,950 | 1,960 | 1,966 | 1,977 | 1,995 | 2,009 | 2,024 | 2,040 | 2,052 | 2,066 | 1,950 | 1,987 | 2,045 |
| Households (Thousands) | | | | | | | | | | | | | | | |
| New England | 5,657 | 5,661 | 5,665 | 5,668 | 5,660 | 5,685 | 5,695 | 5,706 | 5,719 | 5,731 | 5,743 | 5,756 | 5,668 | 5,706 | 5,756 |
| Middle Atlantic | 15,557 | 15,575 | 15,591 | 15,605 | 15,580 | 15,651 | 15,673 | 15,699 | 15,727 | 15,753 | 15,778 | 15,804 | 15,605 | 15,699 | 15,804 |
| E. N. Central | 18,024 | 18,028 | 18,030 | 18,040 | 18,012 | 18,099 | 18,131 | 18,168 | 18,208 | 18,247 | 18,282 | 18,319 | 18,040 | 18,168 | 18,319 |
| W. N. Central | 8,133 | 8,146 | 8,159 | 8,175 | 8,174 | 8,222 | 8,244 | 8,269 | 8,293 | 8,319 | 8,343 | 8,367 | 8,175 | 8,269 | 8,367 |
| S. Atlantic | 23,215 | 23,267 | 23,320 | 23,381 | 23,397 | 23,539 | 23,626 | 23,724 | 23,826 | 23,930 | 24,032 | 24,138 | 23,381 | 23,724 | 24,138 |
| E. S. Central | 7,215 | 7,226 | 7,238 | 7,250 | 7,250 | 7,282 | 7,302 | 7,323 | 7,347 | 7,370 | 7,393 | 7,417 | 7,250 | 7,323 | 7,417 |
| W. S. Central | 13,338 | 13,377 | 13,419 | 13,466 | 13,496 | 13,583 | 13,644 | 13,711 | 13,779 | 13,847 | 13,913 | 13,980 | 13,466 | 13,711 | 13,980 |
| Mountain | 8,290 | 8,307 | 8,326 | 8,352 | 8,363 | 8,426 | 8,463 | 8,506 | 8,550 | 8,594 | 8,636 | 8,680 | 8,352 | 8,506 | 8,680 |
| Pacific | 17,503 | 17,539 | 17,576 | 17,619 | 17,623 | 17,740 | 17,805 | 17,875 | 17,950 | 18,026 | 18,094 | 18,168 | 17,619 | 17,875 | 18,168 |
| Total Non-farm Employment (Millions) | | | | | | | | | | | | | | | |
| New England | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 7.0 | 7.0 | 6.8 | 6.9 | 7.0 |
| Middle Atlantic | 18.1 | 18.2 | 18.2 | 18.3 | 18.4 | 18.4 | 18.5 | 18.6 | 18.7 | 18.7 | 18.8 | 18.9 | 18.2 | 18.5 | 18.8 |
| E. N. Central | 20.2 | 20.2 | 20.2 | 20.3 | 20.4 | 20.5 | 20.5 | 20.6 | 20.7 | 20.8 | 20.8 | 20.9 | 20.2 | 20.5 | 20.8 |
| W. N. Central | 9.8 | 9.9 | 9.9 | 9.9 | 10.0 | 10.0 | 10.0 | 10.1 | 10.1 | 10.1 | 10.2 | 10.2 | 9.9 | 10.0 | 10.2 |
| S. Atlantic | 24.9 | 25.0 | 25.0 | 25.1 | 25.2 | 25.3 | 25.4 | 25.5 | 25.6 | 25.7 | 25.9 | 26.0 | 25.0 | 25.4 | 25.8 |
| E. S. Central | 7.4 | 7.4 | 7.4 | 7.4 | 7.5 | 7.5 | 7.5 | 7.5 | 7.6 | 7.6 | 7.6 | 7.7 | 7.4 | 7.5 | 7.6 |
| W. S. Central | 15.0 | 15.1 | 15.2 | 15.3 | 15.4 | 15.5 | 15.5 | 15.6 | 15.6 | 15.7 | 15.8 | 15.9 | 15.2 | 15.5 | 15.8 |
| Mountain | 9.0 | 9.1 | 9.1 | 9.2 | 9.2 | 9.2 | 9.3 | 9.3 | 9.4 | 9.4 | 9.4 | 9.5 | 9.1 | 9.3 | 9.4 |
| Pacific | 19.3 | 19.4 | 19.4 | 19.5 | 19.6 | 19.7 | 19.7 | 19.8 | 19.9 | 20.0 | 20.1 | 20.2 | 19.4 | 19.7 | 20.1 |

- = 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

U.S. Energy Information Administration | Short-Term Energy Outlook - June 2012

| | 2011 | | | | 2012 | | | | 2013 | | | | Year | | |
|--|-------|-------|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-------|-------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2011 | 2012 | 2013 |
| Heating Degree-days | | | | | | | | | | | | | | | |
| New England | 3,314 | 846 | 105 | 1,870 | 2,659 | 754 | 181 | 2,253 | 3,158 | 919 | 189 | 2,251 | 6,135 | 5,847 | 6,517 |
| Middle Atlantic | 3,023 | 609 | 67 | 1,715 | 2,360 | 605 | 122 | 2,050 | 2,902 | 734 | 125 | 2,044 | 5,414 | 5,137 | 5,805 |
| E. N. Central | 3,306 | 755 | 182 | 1,943 | 2,468 | 639 | 154 | 2,305 | 3,167 | 768 | 158 | 2,298 | 6,186 | 5,566 | 6,391 |
| W. N. Central | 3,517 | 769 | 200 | 2,155 | 2,525 | 546 | 180 | 2,483 | 3,289 | 711 | 183 | 2,495 | 6,641 | 5,734 | 6,678 |
| South Atlantic | 1,501 | 179 | 18 | 900 | 1,120 | 192 | 24 | 1,055 | 1,507 | 239 | 24 | 1,039 | 2,598 | 2,391 | 2,808 |
| E. S. Central | 1,866 | 247 | 44 | 1,230 | 1,321 | 205 | 31 | 1,373 | 1,878 | 284 | 32 | 1,359 | 3,387 | 2,930 | 3,552 |
| W. S. Central | 1,273 | 101 | 9 | 839 | 888 | 56 | 8 | 891 | 1,262 | 105 | 7 | 878 | 2,222 | 1,843 | 2,252 |
| Mountain | 2,338 | 773 | 71 | 1,938 | 2,099 | 550 | 164 | 1,933 | 2,310 | 724 | 174 | 1,939 | 5,120 | 4,746 | 5,147 |
| Pacific | 1,481 | 675 | 52 | 1,171 | 1,416 | 470 | 107 | 1,144 | 1,419 | 556 | 103 | 1,117 | 3,379 | 3,137 | 3,195 |
| U.S. Average | 2,285 | 517 | 77 | 1,441 | 1,782 | 456 | 97 | 1,628 | 2,212 | 529 | 99 | 1,617 | 4,320 | 3,963 | 4,457 |
| 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 | 111 | 496 | 1 | 0 | 82 | 355 | 0 | 0 | 71 | 363 | 1 | 608 | 437 | 435 |
| Middle Atlantic | 0 | 216 | 670 | 1 | 0 | 162 | 521 | 5 | 0 | 144 | 525 | 5 | 887 | 688 | 673 |
| E. N. Central | 0 | 227 | 668 | 2 | 17 | 215 | 505 | 8 | 1 | 205 | 513 | 8 | 897 | 745 | 727 |
| W. N. Central | 1 | 294 | 810 | 13 | 13 | 310 | 657 | 12 | 3 | 270 | 661 | 15 | 1,118 | 992 | 949 |
| South Atlantic | 99 | 789 | 1,262 | 182 | 154 | 665 | 1,098 | 209 | 113 | 579 | 1,104 | 223 | 2,332 | 2,126 | 2,020 |
| E. S. Central | 9 | 653 | 1,134 | 21 | 52 | 575 | 1,025 | 63 | 31 | 472 | 1,020 | 66 | 1,817 | 1,715 | 1,589 |
| W. S. Central | 113 | 1,091 | 1,767 | 201 | 146 | 936 | 1,453 | 178 | 81 | 794 | 1,444 | 190 | 3,172 | 2,713 | 2,509 |
| Mountain | 11 | 316 | 971 | 70 | 9 | 451 | 869 | 69 | 15 | 381 | 848 | 78 | 1,368 | 1,398 | 1,323 |
| Pacific | 2 | 68 | 606 | 41 | 0 | 143 | 512 | 41 | 7 | 151 | 519 | 55 | 717 | 696 | 733 |
| U.S. Average | 33 | 432 | 942 | 70 | 53 | 398 | 783 | 77 | 35 | 350 | 784 | 83 | 1,477 | 1,311 | 1,253 |
| 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.