Independent Statistics & Analysis
U.S. Energy Information Administration

July 2012

Short-Term Energy Outlook

Highlights

- EIA projects the West Texas Intermediate (WTI) crude oil spot price to average about $88 per barrel over the second half of 2012 and the U.S. refiner acquisition cost (RAC) of crude oil to average $93 per barrel, both about $7 per barrel lower than last month's *Outlook*. EIA expects WTI and RAC crude oil prices to remain roughly at these second half levels in 2013. Beginning in this month's *Outlook*, EIA is also providing a forecast of Brent crude oil spot prices (see *Brent Crude Oil Spot Price Added to Forecast*), which are expected to average $106 per barrel for 2012 and $98 per barrel in 2013. These price forecasts assume that world oil-consumption-weighted real gross domestic product (GDP) grows by 2.9 percent in both 2012 and 2013.

- With crude oil prices falling over the last month, EIA has lowered the average regular gasoline retail price forecast for the third quarter of 2012 to $3.39 per gallon. EIA expects regular gasoline retail prices, which averaged $3.53 per gallon in 2011, to average $3.49 per gallon in 2012 and $3.28 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 June 2012 at an estimated 3.1 trillion cubic feet (Tcf), about 23 percent above the same time last year. EIA expects the Henry Hub natural gas spot price, which averaged $4.00 per million British thermal units (MMBtu) in 2011, to average $2.58 per MMBtu in 2012 and $3.22 per MMBtu in 2013.

- In April 2012, the United States exported 12.5 million short tons of coal, which is a monthly record based on EIA data dating back to 1973. Although EIA projects coal exports to total 112 million tons in 2012, 4.6 percent higher than 2011, EIA expects that coal exports will fall by 15.5 million short tons (14 percent) in 2013.

Global Crude Oil and Liquid Fuels

Global Crude Oil and Liquid Fuels Overview. The projected pace of global oil demand growth in this month's *Outlook* reflects less optimistic assumptions about the global economy. The forecast for global economic growth was lowered by 0.1 and 0.6 percentage points in 2012 and 2013, respectively, from last month's *Outlook*, and is now expected to average 2.9 percent in both years. The weaker growth outlook is prompted by increased economic concerns about the debt crisis in Europe and indications of slowing growth in China, both which could have spillover effects on other economies. The global liquid fuels consumption growth forecast for 2012 was lowered to 0.7 million bbl/d from 0.8 million bbl/d in last month's *Outlook*. Projected global consumption growth in 2013 was lowered by 0.4 million bb/d to 0.7 million bbl/d.

EIA recently released its recurring 60-day report on *The Availability and Price of Petroleum and Petroleum Products Produced in Countries Other Than Iran*. As noted in the report, oil markets have loosened over the last several months, which is reflected in a sharp decline in crude oil prices and backwardation since the end of April. EIA's historical supply and demand balance also shows signs of a looser market, as supply outpaced consumption by an average of 1.1 million bbl/d for the first half of 2012, and stocks built counter-seasonally during the first quarter – a marked contrast to significant stock draws during 2011.

EIA's downward price revisions reflect shifts in expectations about oil market balances and the additional downside risks that are currently dominating market sentiments. However, there are both upside and downside uncertainties. The possibility that the economic situation in European Union (EU) countries could deteriorate further poses a downside risk to global oil demand and prices, though the market's positive reaction to recent EU negotiations serves as a reminder that oil prices will fluctuate in both directions as perceptions about the likelihood of a deeper crisis evolve. In the current *Outlook*, consumption in Europe is expected to fall year-over-year by 0.3 million bbl/d in 2012 and by a further 0.4 million bbl/d in 2013. The prospect of slower growth in China, which has been a key driver of increased oil demand in recent years, could also curb demand. China's weakening exports, particularly to Europe, and slower industrial and domestic growth experienced in the first half of 2012 could continue to place downward pressure on oil prices. EIA currently projects annual increases in consumption in China of about 0.4 million bbl/d in both 2012 and 2013. On the supply side, 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.

EU sanctions, including an embargo on Iranian crude and an insurance ban on tankers carrying Iranian oil, became fully effective on July 1, shortly after the latest set of U.S. sanctions entered into force. The United States issued exceptions to all major importers of Iranian oil from sanctions that could have been imposed on foreign financial institutions which facilitated oil-related transactions with the Central Bank of Iran, but only after they had demonstrated or pledged significant reductions in their purchases of Iranian crude oil. The complete market effects of these sanctions are unknown and difficult to disentangle from previous rounds of sanctions, but EIA believes that most of their current and expected effects on Iranian oil supplies

have already been priced into the global oil market. Despite the market's mild reaction to the sanction start dates, upside price risks still persist, particularly if negotiations with Iran fail to progress.

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 0.7 million bbl/d in both 2012 and 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 0.5 million bbl/d in 2012 and a further 0.3 million bbd/d in 2013.

In the third quarter of 2012, world demand will reach its seasonal peak, reflecting both the U.S. driving season and increased oil use for electricity generation in the Middle East. Projected consumption exceeds production by 0.7 million bbl/d, leading to global stock draws. Given overall lower demand expectations, the impact of seasonality on the tightness of global oil markets is expected to be substantially less than in 2010 or 2011, when third-quarter consumption outpaced supply by 1.5 million bbl/d and 1.8 million bbl/d, respectively.

Non-OPEC Supply. EIA expects crude oil and liquid fuels production by non-Organization of the Petroleum Exporting Countries (OPEC) to rise by 0.8 million bbl/d in 2012, and by a further 1.3 million bbl/d in 2013. The largest area of non-OPEC growth is North America, where production increases by 880 thousand bbl/d and 540 thousand bbl/d in 2012 and 2013, respectively, resulting from continued production growth from U.S. onshore shale and other tight oil formations and from Canadian oil sands. EIA expects that Kazakhstan, which will commence commercial production in the Kashagan field next year, will increase its total production by 170 thousand bbl/d in 2013. In Brazil, output is projected to rise by 120 thousand bbl/d in 2013, with increased output from its offshore, pre-salt oil fields. 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 commenced or intensified since the beginning of this year, as discussed in the June 26, 2012 report on *The Availability and Price of Petroleum and Petroleum Products Produced in Countries Other Than Iran*. Unplanned outages to non-OPEC production totaled around 1.0 million bbl/d in June 2012, higher than the estimate given in the June 26th report. The increase is due to an offshore workers' strike in Norway that affected 230 to 250 thousand bbl/d of crude oil and natural gas liquids production, according to Statoil. On July 9, Norway's government ordered mandatory arbitration and an end to the strike, forestalling a threatened lockout that could have impacted all of Norway's offshore production.

Unplanned disruptions also rose slightly in the second half of June due to a labor protest in Argentina that lowered production from the Cerro Dragon oil field, which has a capacity of 100

thousand bbl/d. The field's operator is gradually ramping up production at the field as protestors have mostly withdrawn from the area.

OPEC Supply. EIA expects that OPEC members will continue to produce about 30 million bbl/d of crude oil over the next two years to accommodate the projected increase in world oil consumption and to counterbalance supply disruptions. Projected OPEC crude oil production increases by about 0.8 million bbl/d in 2012, and then falls by 0.9 million bbl/d in 2013, as non-OPEC supply growth increases and stocks rise slightly. OPEC non-crude oil liquids (condensates, natural gas liquids, and gas-to-liquids), which are not covered by OPEC's production quotas, averaged 5.5 million bbl/d in 2011 and are forecast to increase by 0.3 million bbl/d in 2012 and less than 0.1 million bbl/d in 2013.

EIA expects Iran's crude oil production to fall by about 1 million bbl/d by the end of 2012 relative to an estimated output level of 3.6 million bbl/d at the end of 2011, and by an additional 200 thousand bbl/d in 2013. Iran's output decline has continued to accelerate since the fourth quarter of 2011. EIA believes that this acceleration reflects erosion in Iran's crude oil production capacity due to the country's inability to carry out investment projects that are necessary to offset the natural decline in production from existing wells, as well as the impact of lower Iranian crude oil exports due to recently enforced EU and U.S. sanctions. A number of foreign companies that were investing in Iran's upstream have halted their activities as a result of previous U.S. sanctions, which have been compounded by tighter measures enforced since the start of this year that have made it increasingly difficult to do business with the country. EIA expects that the forecast decline in Iran's output will be offset by increased production from other OPEC member countries.

The impacts of newly imposed EU and U.S. sanctions on supplies and exports of Iranian oil are not easily extricated from the effects of sanctions enacted in previous years, the more general decline in Iran's production capacity, and other oil market developments. Undoubtedly, the EU embargo eliminates a significant market for Iranian oil. U.S. financial sanctions and EU insurance provisions have also impeded other countries' transactions for Iranian oil, leading to reports that Iran's ability to produce oil has outstripped its ability to sell it. Until recently, Iran could react to lower demand for its oil by adjusting the amount of oil it uses domestically or holds in onshore and offshore storage, in order to temporarily maintain relatively normal, albeit declining, levels of production. However, EIA estimates that Iranian production fell faster than the prevailing trend in June as unsold or undelivered Iran cargoes tested the limits of available storage capacity and some combination of production shut-ins, greater-than-anticipated declines in production capacity, or overdue maintenance occurred. EIA bases this assessment on preliminary commercial data on tanker liftings from Iran, press reports, official Iranian statements, and other relevant information. However, this tentative interpretation of a very fluid situation could change as data are revised, independent estimates of Iranian production are issued, and more details about Iranian storage levels, refinery utilization, and domestic consumption emerge.

OPEC members serve as the swing producers in the world market because only OPEC producers possess surplus or spare oil production capacity, most of which is in Saudi Arabia. EIA projects that OPEC surplus production capacity will average 2.4 million bbl/d in 2012 and rise to an average 3.6 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 2.63 billion barrels and 57.3 days of forward-cover by the end of 2012, which is among the highest end-of-year levels in the last decade, because of the decline in OECD consumption.

Crude Oil Prices. Beginning in this month's *Outlook*, EIA is providing a forecast of Brent crude oil spot prices (see *Brent Crude Oil Spot Price Added to Forecast*). After WTI and Brent fell to year-to-date lows of $78 per barrel and $89 per barrel, respectively, on June 21, 2012, oil prices rose following news of a possible Euro-zone agreement regarding debt issues that have clouded the European and global economic outlooks. EIA projects the price of Brent crude oil to average $106 per barrel in 2012 and $98 per barrel in 2013. The WTI price forecast has been lowered by $4 per barrel from last month's *Outlook* to $93 per barrel in 2012 and by $9 per barrel to $89 per barrel in 2013 (West Texas Intermediate Crude Oil Price Chart).

Energy price forecasts are highly uncertain (*Market Prices and Uncertainty Report*). WTI futures for October 2012 delivery during the 5-day period ending July 5, 2012 averaged $85 per barrel. Implied volatility averaged 33 percent, establishing the lower and upper limits of the 95-percent confidence interval for the market's expectations of monthly average WTI prices in October 2012 at $64 per barrel and $114 per barrel, respectively. Last year at this time, WTI for October 2011 delivery averaged $98 per barrel and implied volatility averaged 28 percent. The corresponding lower and upper limits of the 95-percent confidence interval were $76 per barrel and $125 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 further 150 thousand bbl/d (0.8 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 retail pump prices and increases in fleet-wide fuel efficiency depressed consumption of motor gasoline. In addition, record warm weather and low natural gas prices substantially reduced consumption of heating oil and residual fuel oil. The second quarter witnessed an estimated year-over-year decline of 200 thousand bbl/d due primarily to continued declines in distillate fuel oil and residual fuel oil

consumption. For the second half of 2012, EIA expects a turnaround in liquid fuels consumption with a projected year-over-year increase of 140 thousand bbl/d (0.7 percent). The bulk of that growth comes from natural gas liquids and distillate fuel, which rise because of continued growth in industrial production and the assumption of near-normal weather next winter. Motor gasoline consumption, however, remains unchanged from the same period last year as continued efficiency increases offset modest growth in highway travel. Residual fuel consumption levels off, albeit at close to record-low levels.

In 2013, total liquid fuels consumption grows by just 70 thousand bbl/d (0.4 percent), led by a 60-thousand-bbl/d (1.7-percent) increase in distillate consumption. Despite assumed growth in U.S. real disposable income of 1.8 percent next year, forecast motor gasoline consumption declines by a further 40 thousand bbl/d (0.5 percent) in 2013. This projection reflects continued slow growth in the driving-age population, the acceleration of improvements in the average fuel economy of new vehicles, and increased rates of retirement of older, less fuel-efficient vehicles.

U.S. Liquid Fuels Supply and Imports. Domestic crude oil production increased by an estimated 200 thousand bbl/d (3.7 percent) to 5.7 million bbl/d in 2011. Forecast U.S. total crude oil production increases to 6.3 million bbl/d in 2012, 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; output in the Gulf of Mexico (GOM) 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 410 thousand bbl/d, most of which is accounted for by increases in lower-48 onshore production. That increase 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 1,419 on July 6, 2012.

Based on the outlook from the National Oceanic and Atmospheric Administration for the current Atlantic hurricane season, EIA statistical analysis based on a historical averages derives a 70-percent probability that total shut-in crude oil production in the GOM during the current 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; see the *2012 Outlook for Hurricane-Related Production Outages in the Gulf of Mexico*). In late June, Tropical Storm Debby caused several days of disruption to crude oil and natural gas production. During the peak of Debby-related outages, 600 thousand bbl/d was shut in, or about 44 percent of normal production. Almost all shut-in production resumed after a few days with a total production outage of about 1.3 million barrels.

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 41 percent in 2012 and to 39 percent in 2013 as a result of lower consumption and the substantial increases in domestic crude oil production. If the 2013

estimate holds true, it would be the first time the share of total U.S. consumption met by total liquid fuel imports is less than 40 percent since 1991.

U.S. Petroleum Product Prices. After a sharp increase in gasoline prices earlier this year, reaching a monthly average of $3.90 per gallon in April 2012, gasoline prices have fallen for the second consecutive month, averaging $3.54 per gallon in June 2012. Due to the sharp decline in crude oil prices throughout May and June, EIA expects regular gasoline retail prices to average $3.39 per gallon during the third quarter of 2012, compared with $3.51 per gallon in last month's *Outlook*, and $3.63 per gallon during the same period last year. EIA projects that crude oil prices will remain near their current lower levels through 2013, resulting in regular gasoline retail prices averaging $3.49 per gallon in 2012 and $3.28 per gallon in 2013.

EIA expects that on-highway diesel fuel retail prices, which averaged $3.84 per gallon in 2011, will average $3.79 per gallon in 2012, down 11 cents per gallon from last month's *Outlook*. In 2013, diesel fuel retail prices are projected to decline another 21 cents to an average of $3.58 per gallon (U.S. Diesel Fuel and Crude Oil Prices Chart).

Natural Gas

U.S. Natural Gas Consumption. EIA expects that natural gas consumption will average 69.9 billion cubic feet per day (Bcf/d) in 2012, an increase of 3.3 Bcf/d (4.9 percent) from 2011 and an upward revision of 0.5 Bcf/d from last month's *Outlook*. EIA expects that large gains in electric power use in 2012 will more than offset declines in residential and commercial use.

Projected consumption of natural gas in the electric power sector grows by 21 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 at 31.2 Bcf/d in the third quarter of 2012, 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 71.1 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 near-normal weather next winter drives 2013 increases in residential and commercial consumption of 7.7 percent and 4.5 percent, respectively. Although projected natural gas burn in the electric power sector declines by 1.9 percent from 2012, it remains at historically high levels in 2013.

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. EIA expects continued year-over-year growth in 2012, though not as strong as the previous year (U.S. Natural Gas Production and Imports Chart). This month's *Outlook* revises

upward the forecast for marketed production for 2012, partially reflecting upward revisions to historical data for the first few months of the year. EIA, however, expects a small drop in production in the coming months, reflecting the decline in rigs since October 2011. According to Baker Hughes, the natural gas rig count was 542 as of July 6, 2012, up slightly from last week, which was the lowest rig count since 1999. EIA's production survey indicates natural gas marketed production fell between February and March 2012, but rebounded in April. Declining production from less-profitable "dry" natural gas plays such as the Haynesville Shale is 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; see the *2012 Outlook for Hurricane-Related Production Outages in the Gulf of Mexico*). In late June, Tropical Storm Debby caused several days of disruption to crude oil and natural gas production. During the peak of Debby-related outages, 1.6 Bcf/d of natural gas was shut in, or about 35 percent of normal production. Almost all shut-in production resumed after a few days with a total production outage of about 3.9 Bcf.

EIA expects pipeline gross imports will fall by 0.2 Bcf/d (2.6 percent) in 2012, as domestic supply continues to displace 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 2.2 percent in 2013, partially due to near-normal winter weather driving higher residential and commercial demand. 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 0.4 Bcf/d (44 percent) in 2012. EIA expects that an average of about 0.6 Bcf/d will arrive in the United States (mainly at 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 remain at historically high levels for the time of year. As of June 29, 2012, according to EIA's *Weekly Natural Gas Storage Report*, working inventories totaled 3,102 Bcf, 602 Bcf greater than last year's level and 573 Bcf above the five-year average. The weekly report from June 15, 2012, marked the first time in EIA's history that working inventories surpassed the 3,000 Bcf mark during the month of June. EIA expects that inventory levels at the end of October 2012 will set a new record high slightly above 4,000 Bcf (U.S. Working Natural Gas in Storage Chart), although the projected increase of 1,525 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. In 2013, working inventory levels recede from record highs, although they will still remain abundant compared with recent history.

U.S. Natural Gas Prices. Natural gas spot prices averaged $2.47 per MMBtu at the Henry Hub in June 2012, up $0.04 per MMBtu from the May average. Prices remain at historically low levels; the June 2012 price averaged 46 percent less than the June 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 $2.58 per MMBtu in 2012, with modest monthly increases through the rest of the year. EIA expects 2013 prices will average $3.22 per MMBtu (U.S. Natural Gas Prices Chart).

Natural gas futures prices for October 2012 delivery (for the 5-day period ending July 5, 2012) averaged $2.90 per MMBtu, and the average implied volatility based on options and futures prices was 55 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 October 2012 contracts at $1.74 per MMBtu and $4.82 per MMBtu, respectively. At this time last year, the October 2011 natural gas futures contract averaged $4.33 per MMBtu and implied volatility averaged 35 percent. The corresponding lower and upper limits of the 95-percent confidence interval were $3.12 per MMBtu and $6.00 per MMBtu.

Coal

U.S. Coal Consumption. Power-sector coal consumption fell from 975 million short tons (MMst) in 2010 to 929 MMst in 2011 (U.S. Coal Consumption Chart). Lower electric power sector natural gas prices have led to a significant increase in the share of natural-gas-fired generation in both 2011 and 2012. EIA expects coal consumption in the electric power sector to total slightly less than 800 MMst in 2012. Although EIA expects the price of natural gas relative to the price of coal at electric utilities to begin to show year-over-year increases beginning in early 2013, projected power sector coal consumption remains flat next year.

U.S. Coal Supply. EIA forecasts that coal production will decline by 9 percent in 2012 as domestic consumption falls (U.S. Coal Production Chart). Production for the first five months of 2012 was 25 MMst (6 percent) below last year's level for the same period. EIA predicts that production will continue to decline in 2013, but at a slightly slower rate (6 percent). Despite declines in production, EIA projects that secondary inventories will increase in 2012, reaching near-record levels. Electric power sector stocks are forecast to be 200 MMst by the end of the year (estimated stocks for April 2012 were 203 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 in 2012 and exceed the 107 MMst exported in 2011. The U.S. exported 12.5 MMst of coal in April, which is a monthly record based on EIA data dating back to 1973. Although EIA projects coal exports to total 112 million tons in 2012, forecast coal exports weaken slightly with year-over-year declines beginning in the fourth quarter of 2012. Major reasons for the export decline include China's economic slowdown and high coal stockpiles, and increased exports from Indonesia and Australia. EIA expects that coal exports will fall by 16 million short tons (14 percent) 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, combined with the large coal inventories, 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 0.4 percent lower than the 2011 average price. EIA predicts the 2013 average delivered coal price to be $2.33 per MMBtu, or nearly 3 percent ($0.06) lower than the 2012 price.

Electricity

U.S. Electricity Consumption. This year's summer season has started out with abnormally hot temperatures. According to the National Oceanic and Atmospheric Administration, U.S. cooling degree-days during June 2012 were about 14 percent higher than the 30-year average, but 4 percent lower than June 2011. EIA expects that temperatures during the third quarter of 2012, although above normal, will average about 16 percent lower than last year. This reduced need for summer cooling contributes to EIA's projection of a 3.8-percent decline in residential electricity sales in 2012. EIA expects total consumption of electricity to fall by 1.3 percent during 2012, and then grow by 1.3 percent in 2013 (U.S. Total Electricity Consumption Chart).

U.S. Electricity Generation. For the first time since EIA began compiling monthly statistics, the share of total generation fueled by natural gas during April 2012 rose to the point where it was nearly equal to the share fueled by coal (about 32 percent for each). However, this situation is likely temporary. The year-over-year gains in the share of generation fueled by natural gas should slow and eventually reverse as the higher natural gas costs projected for later in 2012 and in 2013, along with record coal stocks, encourage generators to increase their utilization of coal-fired power plants over the forecast horizon. EIA forecasts total generation by coal across all sectors will decline by 14 percent in 2012, followed by an increase of 1.3 percent in 2013. In contrast, total generation by natural gas is forecast to rise by 23 percent this year and then decline by 1.0 percent next year (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 12.03 cents per kilowatthour this

year, an increase of 2.0 percent (U.S. Residential Electricity Prices Chart). The forecast cost of natural gas delivered to the electric power sector is about 30 percent lower in 2012 compared with the previous year, which should slow the growth in retail electricity rates. EIA projects U.S. residential retail electricity prices to rise by only 0.2 percent in 2013, which would be the slowest growth rate in nominal prices in 10 years.

Renewables and Carbon Dioxide Emissions

U.S. Renewables. After growing by 14 percent in 2011, total renewable energy supply is projected to decline by 1.3 percent in 2012 (U.S. Renewable Energy Supply Chart). This decrease is the result of hydropower resource levels beginning to return to the long-term average, with supply falling by 0.3 quadrillion Btu (11 percent). The decline in hydropower from the 2011 level more than offsets growth in other renewable energy supplies. Renewable energy supply increases slightly (0.5 percent) in 2013 as hydropower continues to decline (5.9 percent) but non-hydropower renewables grow by an average of 3.8 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 17 percent in 2012. The outlook for wind capacity additions and generation in 2013 will likely respond to whatever decision is made regarding the extension of production tax credits.

EIA expects fuel ethanol production to average 901 thousand bbl/d in 2012 and 2013, almost the same level as last year. 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 3.0 percent in 2012, but increase by 0.8 percent in 2013. Petroleum emissions decline in 2012 (0.9 percent) and then rise by 0.3 percent in 2013, while natural gas emissions rise by 5.3 percent and 1.5 percent in 2012 and 2013, respectively. Coal emissions decline in 2012 by 11 percent, but rise by 0.8 percent in 2013 (U.S. Carbon Dioxide Emissions Growth Chart).

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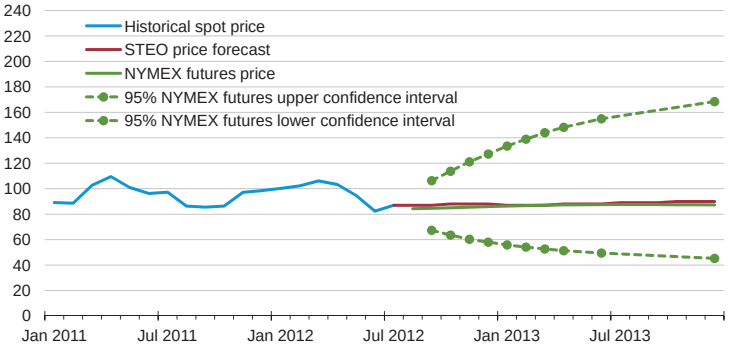
Chart Gallery for July 2012

West Texas Intermediate (WTI) Crude Oil Price

dollars per barrel

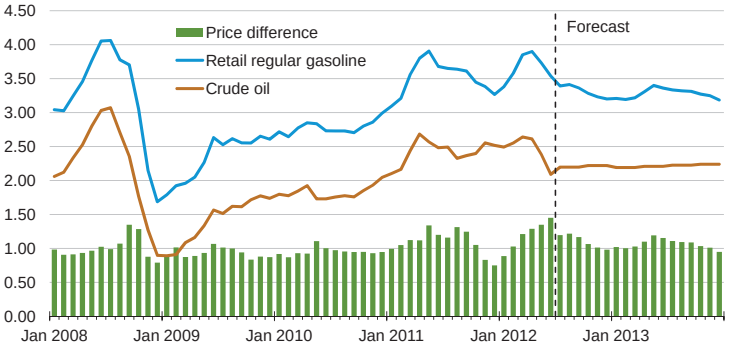


Note: Confidence interval derived from options market information for the 5 trading days ending July 5, 2012. Intervals not calculated for months with sparse trading in near-the-money options contracts.

Source: Short-Term Energy Outlook, July 2012

U.S. Gasoline and Crude Oil Prices

dollars per gallon

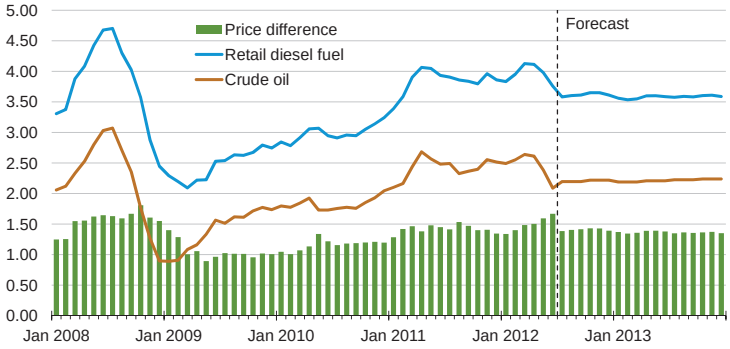


Crude oil price is average refiner acquisition cost. Retail prices include State and Federal taxes.

Source: Short-Term Energy Outlook, July 2012

U.S. Diesel Fuel and Crude Oil Prices

dollars per gallon

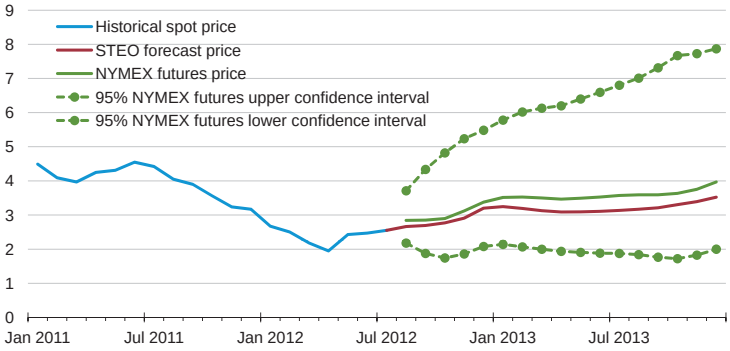


Crude oil price is average refiner acquisition cost. Retail prices include State and Federal taxes.

Source: Short-Term Energy Outlook, July 2012

Henry Hub Natural Gas Price

dollars per million btu

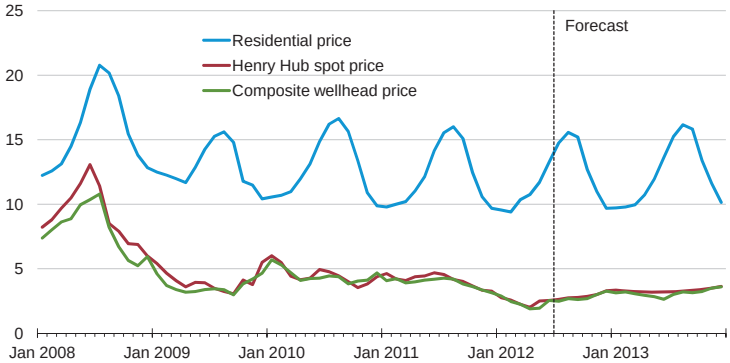


Note: Confidence interval derived from options market information for the 5 trading days ending July 5, 2012.
Intervals not calculated for months with sparse trading in near-the-money options contracts.

Source: Short-Term Energy Outlook, July 2012

U.S. Natural Gas Prices

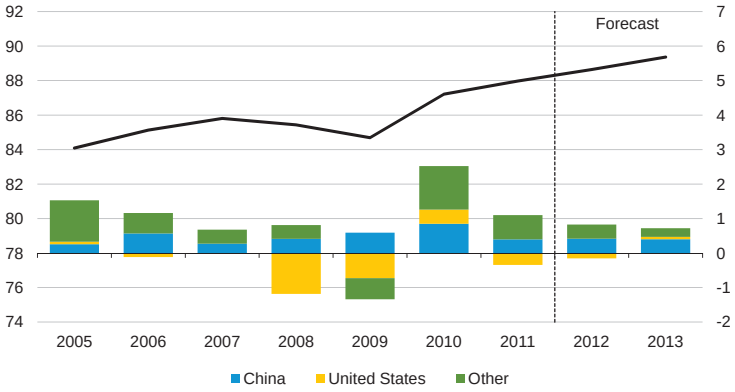
dollars per thousand cubic feet



Source: Short-Term Energy Outlook, July 2012

World Liquid Fuels Consumption

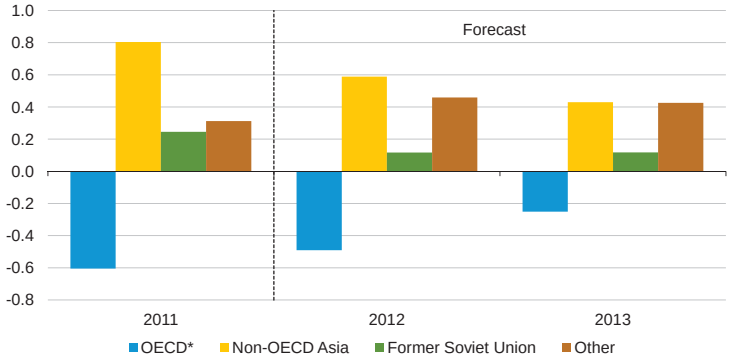
million barrels per day (mmbd) | annual change (mmbd)



Source: Short-Term Energy Outlook, July 2012

World Liquid Fuels Consumption Growth

million barrels per day

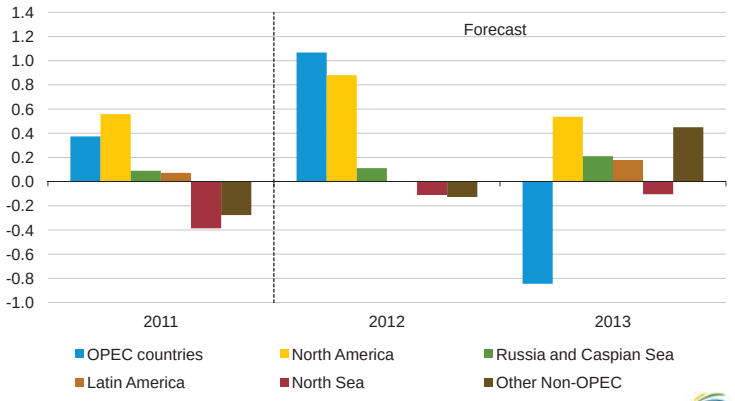


* Countries belonging to the Organization for Economic Cooperation and Development

Source: Short-Term Energy Outlook, July 2012

World Crude Oil and Liquid Fuels Production Growth

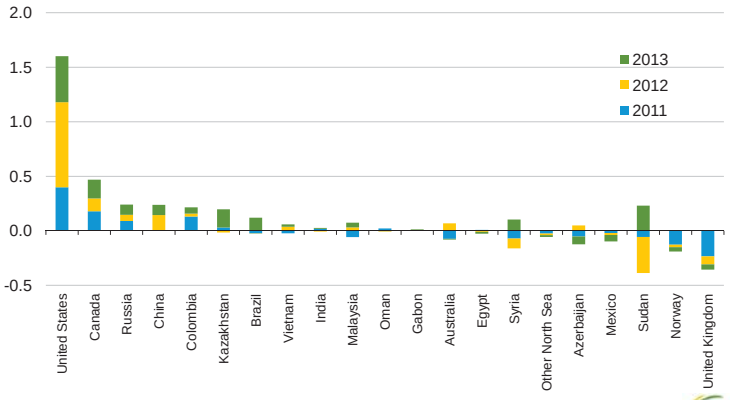
million barrels per day



Source: Short-Term Energy Outlook, July 2012

Non-OPEC Crude Oil and Liquid Fuels Production Growth

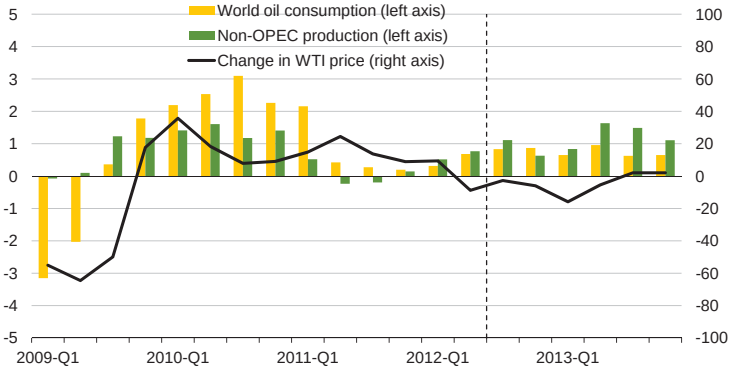
million barrels per day



Source: Short-Term Energy Outlook, July 2012

World Consumption and Non-OPEC Production Growth

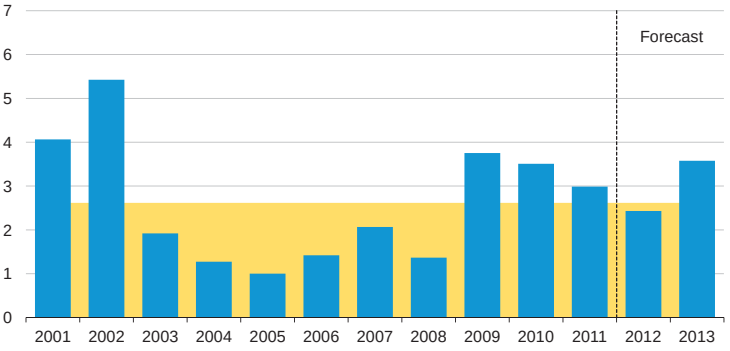
million barrels per day | dollars per barrel



Source: Short-Term Energy Outlook, July 2012

OPEC surplus crude oil production capacity

million barrels per day

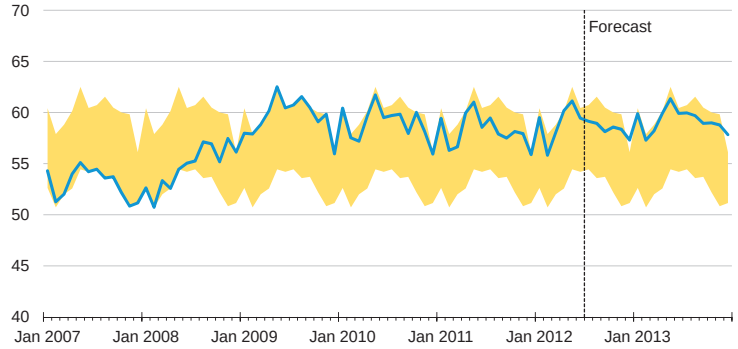


Note: Shaded area represents 2001-2011 average (2.6 million barrels per day)

Source: Short-Term Energy Outlook, July 2012

OECD Commercial Oil Stocks

days of supply

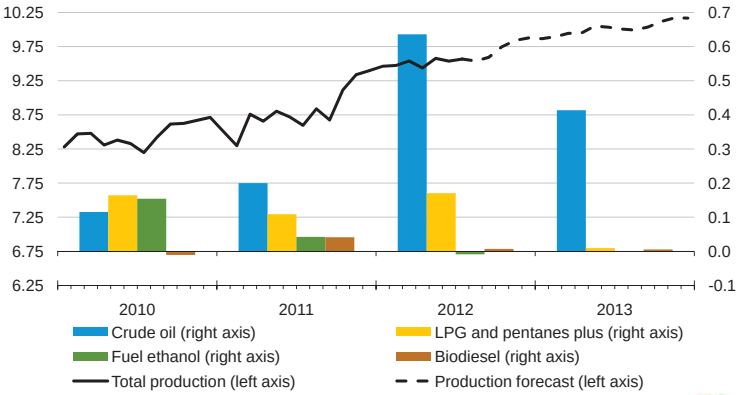


Note: Colored band represents the range between the minimum and maximum observed inventories from Jan. 2007 - Dec. 2011.

Source: Short-Term Energy Outlook, July 2012

U.S. Crude Oil and Liquid Fuels Production

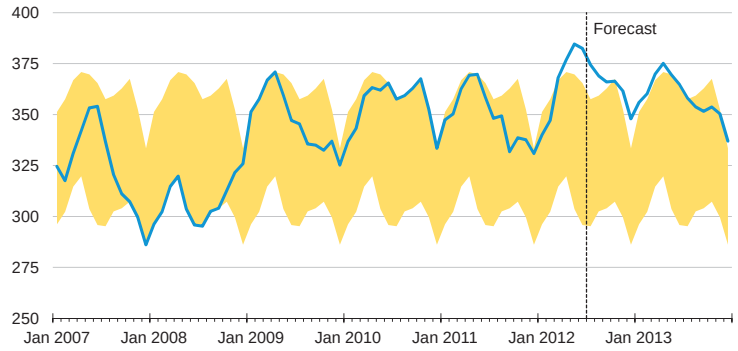
million barrels per day (mmbd) annual change (mmbd)



Source: Short-Term Energy Outlook, July 2012

U.S. Crude Oil Stocks

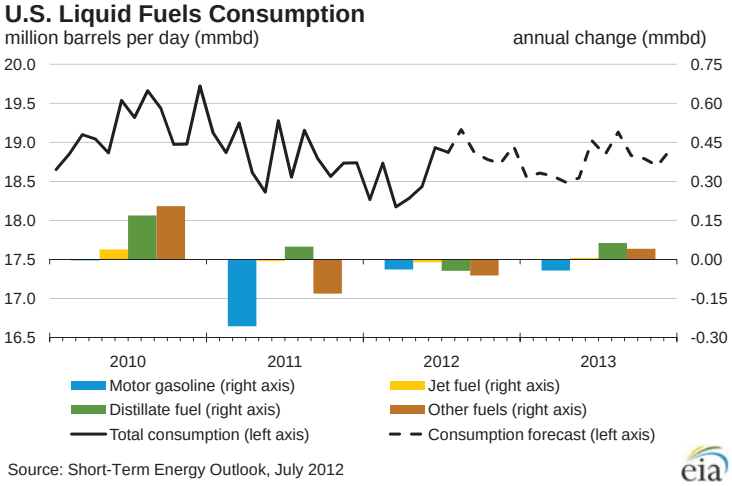
million barrels



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

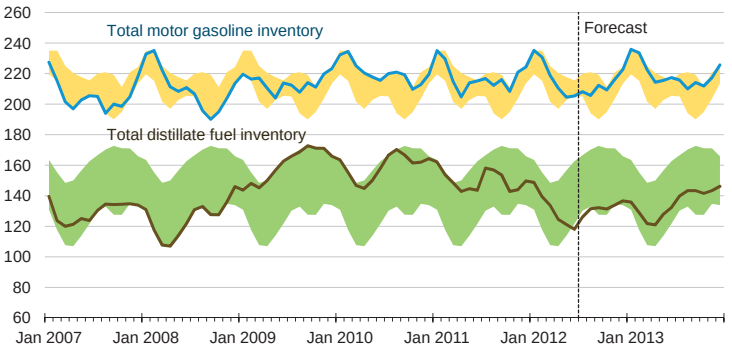
Source: Short-Term Energy Outlook, July 2012

U.S. Liquid Fuels Consumption



Source: Short-Term Energy Outlook, July 2012

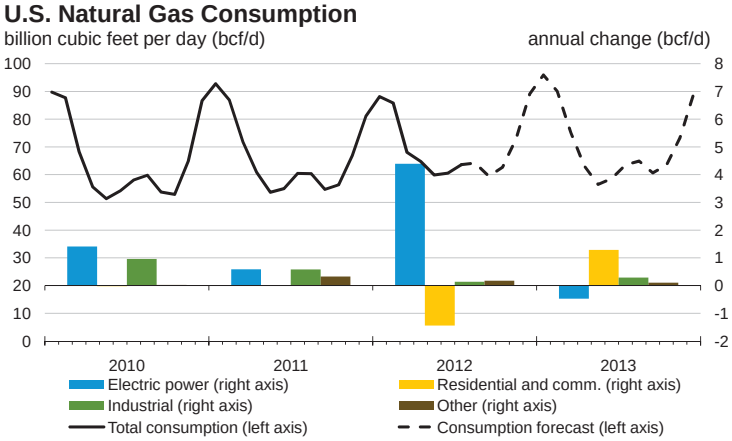
U.S. Gasoline and Distillate Inventories



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

Source: Short-Term Energy Outlook, July 2012

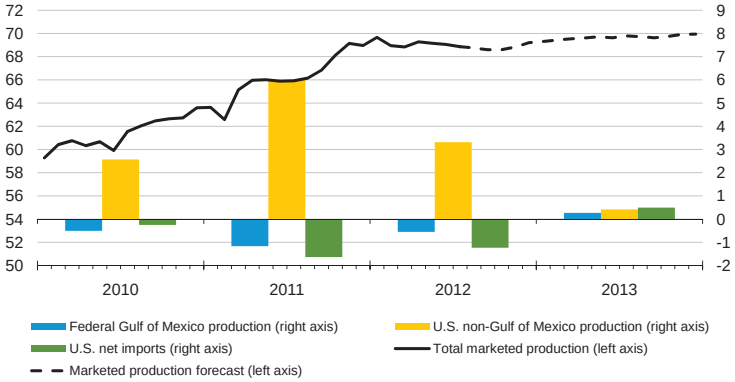
U.S. Natural Gas Consumption



Source: Short-Term Energy Outlook, July 2012

U.S. Natural Gas Production and Imports

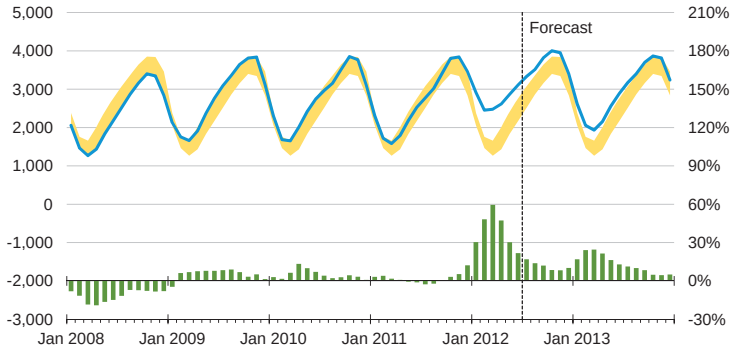
billion cubic feet per day (bcf/d) | annual change (bcf/d)



Source: Short-Term Energy Outlook, July 2012

U.S. Working Natural Gas in Storage

billion cubic feet | deviation from average

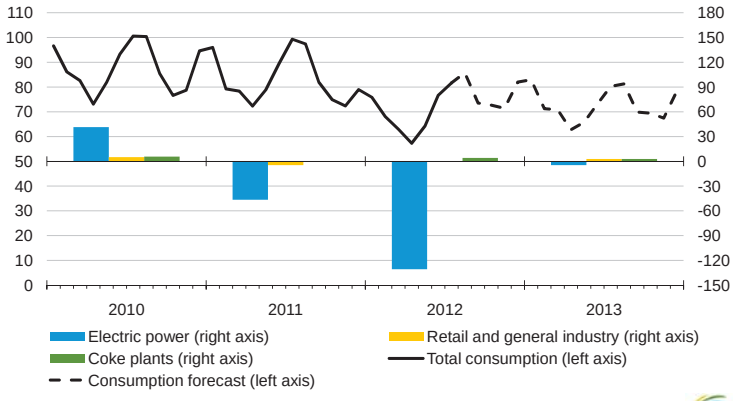


Note: Colored band around storage levels represents the range between the minimum and maximum from Jan. 2007 - Dec. 2011.

Source: Short-Term Energy Outlook, July 2012

U.S. Coal Consumption

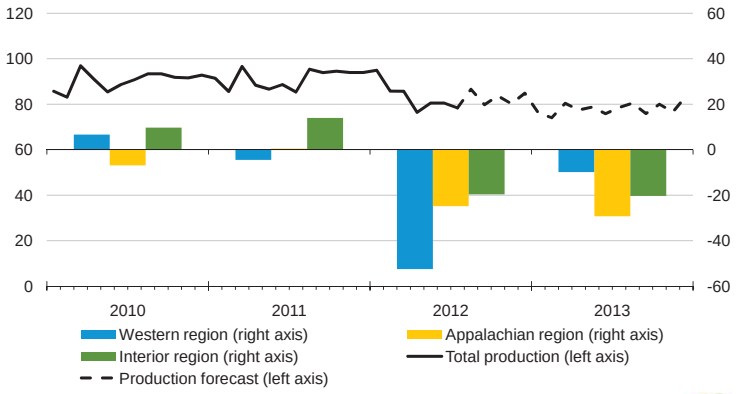
million short tons (mmst) | annual change (mmst)



Source: Short-Term Energy Outlook, July 2012

U.S. Coal Production

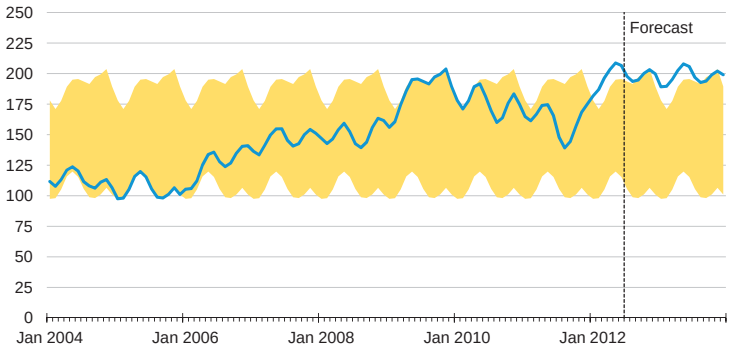
million short tons (mmst) | annual change (mmst)



Source: Short-Term Energy Outlook, July 2012

U.S. Electric Power Sector Coal Stocks

million short tons

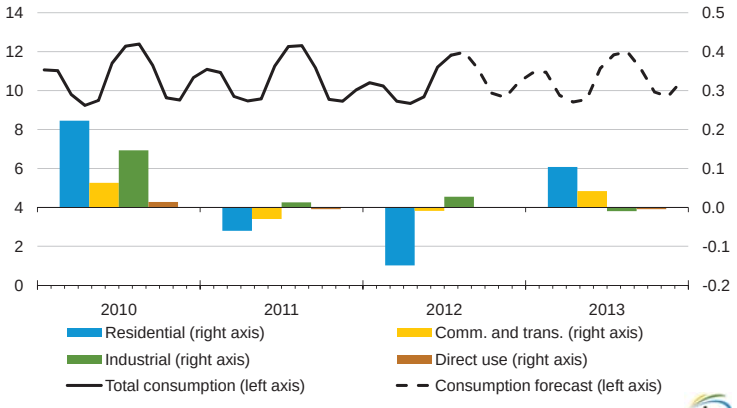


Note: Colored band around storage levels represents the range between the minimum and maximum from Jan. 2007 - Dec. 2011.

Source: Short-Term Energy Outlook, July 2012

U.S. Electricity Consumption

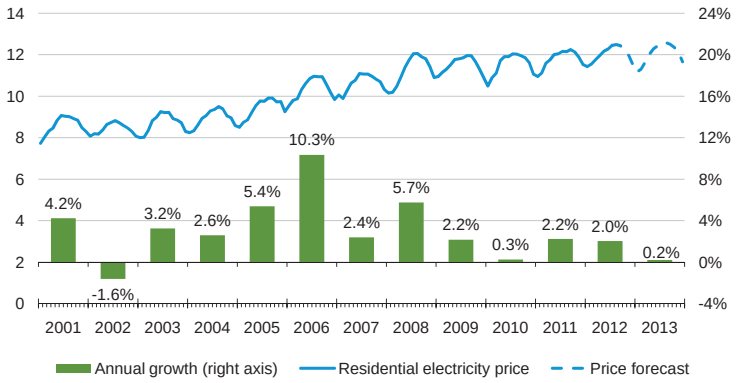
million kilowatthours per day (kwh/d) | annual change (million kwh/d)



Source: Short-Term Energy Outlook, July 2012

U.S. Residential Electricity Price

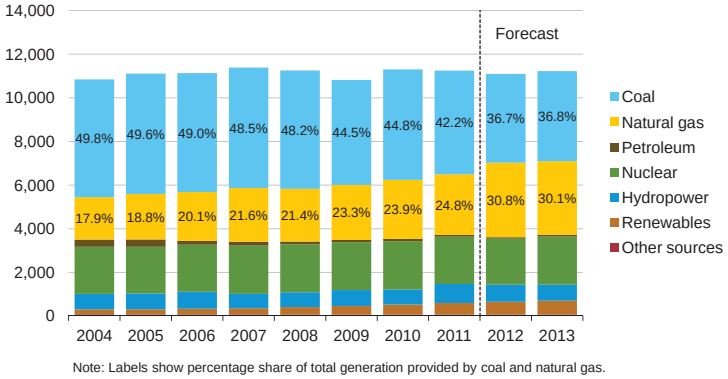
cents per kilowatthour



Source: Short-Term Energy Outlook, July 2012

U.S. Electricity Generation by Fuel, All Sectors

thousand megawatthours per day

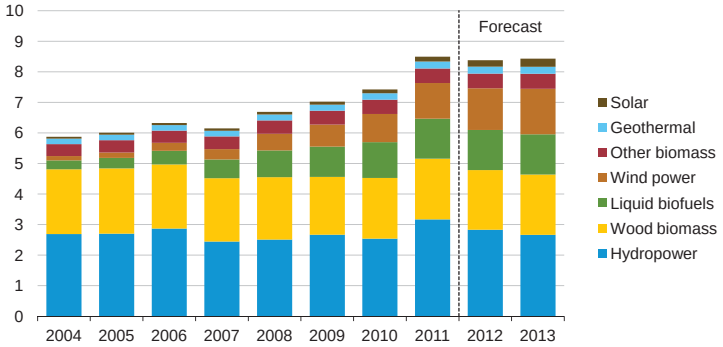


Note: Labels show percentage share of total generation provided by coal and natural gas.

Source: Short-Term Energy Outlook, July 2012

U.S. Renewable Energy Supply

quadrillion British thermal units (Btu)

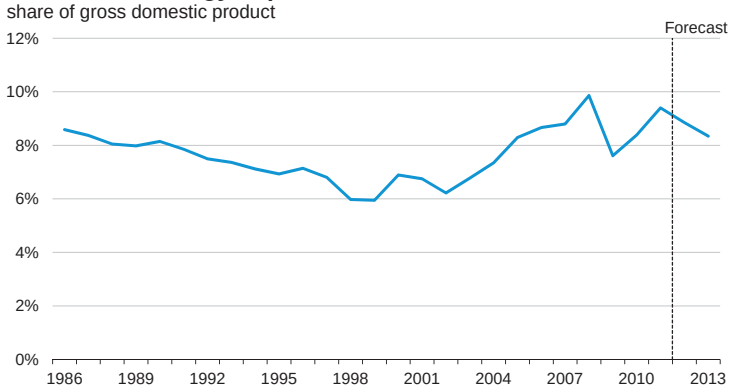


Note: Hydropower excludes pumped storage generation. Liquid biofuels include ethanol and biodiesel. Other biomass includes municipal waste from biogenic sources, landfill gas, and other non-wood waste.

Source: Short-Term Energy Outlook, July 2012

U.S. Annual Energy Expenditures

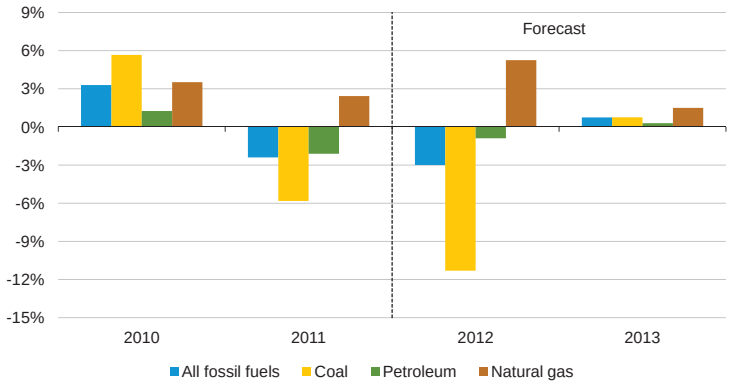
share of gross domestic product



Source: Short-Term Energy Outlook, July 2012

U.S. Energy-Related Carbon Dioxide Emissions

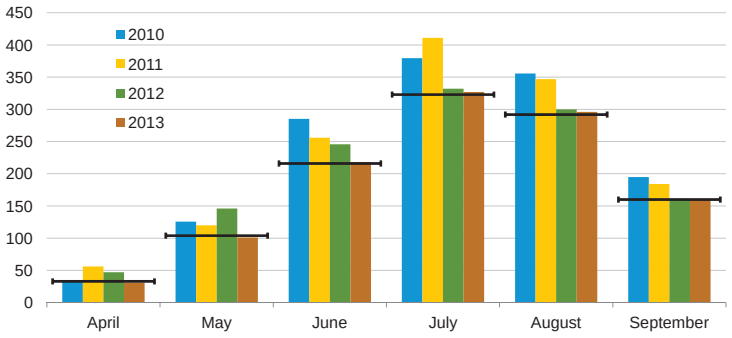
annual growth



Source: Short-Term Energy Outlook, July 2012

U.S. Summer Cooling Degree-Days

population-weighted

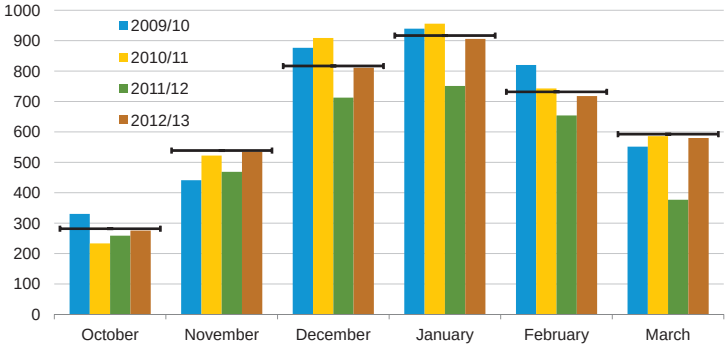


Note: Horizontal bars indicate 30-year normals. Historical data from the National Oceanic and Atmospheric Administration (NOAA). Projections reflect NOAA's 14-16 month outlook and EIA estimates.

Source: Short-Term Energy Outlook, July 2012

U.S. Winter Heating Degree-Days

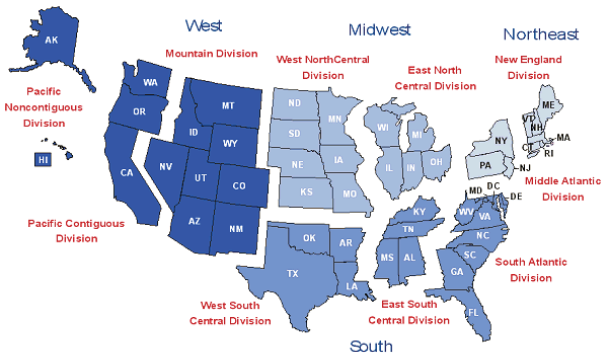
population-weighted



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

Source: Short-Term Energy Outlook, July 2012

U.S. Census Regions and Divisions



Source: Short-Term Energy Outlook, July 2012

Table SF01. U.S. Motor Gasoline Summer Outlook

U.S. Energy Information Administration | Short-Term Energy Outlook - July 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**	*2.22*	*2.07*	*2.15*	*-8.6*	*-3.0*	*-6.0*
Imported Crude Oil Price[b]	**2.59**	**2.43**	**2.51**	*2.35*	*2.21*	*2.28*	*-9.2*	*-9.1*	*-9.2*
U.S. Refiner Average Crude Oil Cost	**2.57**	**2.40**	**2.48**	*2.36*	*2.20*	*2.27*	*-8.5*	*-8.3*	*-8.4*
Wholesale Gasoline Price[c]	**3.12**	**2.97**	**3.04**	*2.93*	*2.67*	*2.80*	*-5.9*	*-10.0*	*-8.0*
Wholesale Diesel Fuel Price[c]	**3.16**	**3.07**	**3.11**	*2.98*	*2.79*	*2.89*	*-5.7*	*-8.9*	*-7.3*
Regular Gasoline Retail Price[d]	**3.80**	**3.63**	**3.71**	*3.72*	*3.39*	*3.56*	*-1.9*	*-6.7*	*-4.3*
Diesel Fuel Retail Price[d]	**4.01**	**3.87**	**3.94**	*3.95*	*3.60*	*3.77*	*-1.6*	*-6.9*	*-4.3*
Gasoline Consumption/Supply (million barrels per day)									
Total Consumption	**8.863**	**8.875**	**8.869**	*8.847*	*8.865*	*8.856*	*-0.2*	*-0.1*	*-0.1*
Total Refinery and Blender Output[e]	**7.482**	**7.818**	**7.651**	*7.503*	*7.758*	*7.631*	*0.3*	*-0.8*	*-0.3*
Fuel Ethanol Blending	**0.856**	**0.842**	**0.849**	*0.870*	*0.830*	*0.850*	*1.6*	*-1.4*	*0.1*
Total Stock Withdrawal[f]	**-0.003**	**-0.010**	**-0.007**	*0.148*	*-0.076*	*0.036*			
Net Imports[f]	**0.529**	**0.225**	**0.376**	*0.326*	*0.353*	*0.340*	*-38.3*	*56.8*	*-9.7*
Refinery Utilization (percent)	**85.8**	**89.8**	**87.8**	*89.2*	*91.6*	*90.4*			
Gasoline Stocks, Including Blending Components (million barrels)									
Beginning	**214.9**	**215.2**	**214.9**	*218.8*	*205.3*	*218.8*			
Ending	**215.2**	**216.1**	**216.1**	*205.3*	*212.3*	*212.3*			
Economic Indicators (annualized billion 2000 dollars)									
Real GDP	**13,272**	**13,332**	**13,302**	*13,554*	*13,618*	*13,586*	*2.1*	*2.1*	*2.1*
Real Income	**10,170**	**10,189**	**10,179**	*10,255*	*10,325*	*10,290*	*0.8*	*1.3*	*1.1*

[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 - July 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**	**6.17**	*6.21*	*6.32*	*6.55*	*6.65*	*6.70*	*6.69*	*6.85*	**5.68**	*6.31*	*6.73*
Dry Natural Gas Production															
(billion cubic feet per day)	**60.83**	**62.75**	**63.10**	**65.32**	**65.64**	*65.65*	*65.24*	*65.38*	*65.90*	*66.11*	*66.17*	*66.31*	**63.01**	*65.48*	*66.13*
Coal Production															
(million short tons)	**274**	**264**	**275**	**282**	**266**	*238*	*245*	*249*	*231*	*232*	*235*	*240*	**1,094**	*997*	*938*
Energy Consumption															
Liquid Fuels															
(million barrels per day)	**19.09**	**18.75**	**18.84**	**18.68**	**18.38**	*18.55*	*18.97*	*18.82*	*18.58*	*18.68*	*18.93*	*18.80*	**18.84**	*18.68*	*18.75*
Natural Gas															
(billion cubic feet per day)	**83.74**	**56.45**	**58.54**	**68.12**	**80.56**	*61.71*	*62.44*	*74.96*	*86.96*	*59.36*	*63.05*	*75.35*	**66.65**	*69.91*	*71.12*
Coal (b)															
(million short tons)	**254**	**241**	**279**	**226**	**207**	*198*	*241*	*226*	*225*	*202*	*231*	*215*	**999**	*872*	*874*
Electricity															
(billion kilowatt hours per day)	**10.56**	**10.09**	**11.92**	**9.68**	**10.03**	*10.07*	*11.64*	*9.99*	*10.52*	*10.03*	*11.65*	*10.04*	**10.57**	*10.43*	*10.56*
Renewables (c)															
(quadrillion Btu)	**2.08**	**2.29**	**2.02**	**2.00**	**2.07**	*2.22*	*2.01*	*1.99*	*2.07*	*2.24*	*2.02*	*2.02*	**8.39**	*8.29*	*8.35*
Total Energy Consumption (d)															
(quadrillion Btu)	**25.87**	**23.10**	**24.34**	**23.92**	**24.42**	*22.90*	*23.99*	*24.60*	*25.38*	*22.81*	*23.95*	*24.51*	**97.22**	*95.91*	*96.65*
Energy Prices															
Crude Oil (e)															
(dollars per barrel)	**94.00**	**108.13**	**100.61**	**104.55**	**107.62**	*98.96*	*92.25*	*93.25*	*92.00*	*92.75*	*93.50*	*94.00*	**101.91**	*97.89*	*93.08*
Natural Gas Wellhead															
(dollars per thousand cubic feet)	**4.06**	**4.10**	**4.10**	**3.37**	**2.54**	*2.12*	*2.59*	*2.98*	*3.13*	*2.80*	*3.12*	*3.44*	**3.90**	*2.56*	*3.12*
Coal															
(dollars per million Btu)	**2.34**	**2.42**	**2.46**	**2.37**	**2.41**	*2.42*	*2.39*	*2.35*	*2.38*	*2.33*	*2.32*	*2.27*	**2.40**	*2.39*	*2.33*
Macroeconomic															
Real Gross Domestic Product															
(billion chained 2005 dollars - SAAR)	**13,228**	**13,272**	**13,332**	**13,429**	**13,491**	*13,554*	*13,618*	*13,682*	*13,744*	*13,805*	*13,875*	*13,959*	**13,315**	*13,586*	*13,846*
Percent change from prior year	**2.2**	**1.6**	**1.5**	**1.6**	**2.0**	*2.1*	*2.1*	*1.9*	*1.9*	*1.9*	*1.9*	*2.0*	**1.7**	*2.0*	*1.9*
GDP Implicit Price Deflator															
(Index, 2005=100)	**112.4**	**113.1**	**113.8**	**114.1**	**114.5**	*115.0*	*115.6*	*116.1*	*116.4*	*116.6*	*117.2*	*117.6*	**113.3**	*115.3*	*116.9*
Percent change from prior year	**1.8**	**2.1**	**2.4**	**2.1**	**1.9**	*1.7*	*1.6*	*1.8*	*1.6*	*1.4*	*1.4*	*1.2*	**2.1**	*1.8*	*1.4*
Real Disposable Personal Income															
(billion chained 2005 dollars - SAAR)	**10,183**	**10,170**	**10,189**	**10,193**	**10,204**	*10,255*	*10,325*	*10,368*	*10,401*	*10,451*	*10,495*	*10,560*	**10,184**	*10,288*	*10,477*
Percent change from prior year	**2.6**	**1.1**	**0.7**	**0.4**	**0.2**	*0.8*	*1.3*	*1.7*	*1.9*	*1.9*	*1.6*	*1.9*	**1.2**	*1.0*	*1.8*
Manufacturing Production Index															
(Index, 2007=100)	**90.4**	**90.6**	**91.7**	**92.9**	**95.2**	*95.5*	*96.2*	*96.6*	*97.3*	*97.9*	*98.6*	*99.3*	**91.4**	*95.9*	*98.3*
Percent change from prior year	**6.8**	**4.0**	**3.9**	**4.5**	**5.3**	*5.5*	*4.9*	*4.0*	*2.2*	*2.5*	*2.5*	*2.8*	**4.8**	*4.9*	*2.5*
Weather															
U.S. Heating Degree-Days	**2,285**	**517**	**77**	**1,441**	**1,782**	*421*	*93*	*1,622*	*2,204*	*527*	*95*	*1,617*	**4,320**	*3,918*	*4,443*
U.S. Cooling Degree-Days	**33**	**432**	**942**	**70**	**53**	*439*	*793*	*78*	*35*	*350*	*783*	*83*	**1,477**	*1,363*	*1,251*

- = 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 - July 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**	*93.42*	*87.00*	*88.00*	*87.00*	*88.00*	*89.00*	*90.00*	**94.86**	*92.83*	*88.50*
Brent Spot Average	**104.96**	**117.36**	**113.34**	**109.40**	**118.49**	*108.42*	*98.83*	*99.50*	*97.50*	*98.00*	*98.50*	*99.00*	**111.26**	*106.31*	*98.25*
Imported Average	**94.23**	**108.72**	**102.05**	**105.36**	**108.13**	*98.71*	*92.75*	*93.75*	*92.25*	*93.00*	*93.75*	*94.25*	**102.67**	*98.34*	*93.32*
Refiner Average Acquisition Cost	**94.00**	**108.13**	**100.61**	**104.55**	**107.62**	*98.96*	*92.25*	*93.25*	*92.00*	*92.75*	*93.50*	*94.00*	**101.91**	*97.89*	*93.08*
Liquid Fuels (cents per gallon)															
Refiner Prices for Resale															
Gasoline	**267**	**312**	**297**	**271**	**297**	*293*	*267*	*256*	*254*	*268*	*262*	*255*	**287**	*278*	*260*
Diesel Fuel	**286**	**316**	**307**	**304**	**317**	*298*	*279*	*281*	*272*	*277*	*277*	*277*	**303**	*294*	*276*
Heating Oil	**275**	**305**	**295**	**296**	**312**	*293*	*269*	*274*	*269*	*269*	*270*	*277*	**291**	*292*	*272*
Refiner Prices to End Users															
Jet Fuel	**287**	**322**	**308**	**303**	**321**	*302*	*279*	*282*	*276*	*278*	*277*	*279*	**305**	*295*	*278*
No. 6 Residual Fuel Oil (a)	**218**	**246**	**249**	**250**	**270**	*260*	*245*	*243*	*238*	*234*	*234*	*236*	**239**	*254*	*235*
Retail Prices Including Taxes															
Gasoline Regular Grade (b)	**329**	**380**	**363**	**337**	**361**	*372*	*339*	*324*	*321*	*336*	*332*	*324*	**353**	*349*	*328*
Gasoline All Grades (b)	**335**	**385**	**369**	**342**	**367**	*378*	*345*	*330*	*326*	*341*	*338*	*329*	**358**	*355*	*334*
On-highway Diesel Fuel	**363**	**401**	**387**	**387**	**397**	*395*	*360*	*364*	*355*	*360*	*358*	*360*	**384**	*379*	*358*
Heating Oil	**359**	**390**	**367**	**366**	**379**	*369*	*342*	*350*	*351*	*344*	*344*	*354*	**368**	*364*	*350*
Natural Gas															
Average Wellhead (dollars per thousand cubic feet)	**4.06**	**4.10**	**4.10**	**3.37**	**2.54**	*2.12*	*2.59*	*2.98*	*3.13*	*2.80*	*3.12*	*3.44*	**3.90**	*2.56*	*3.12*
Henry Hub Spot (dollars per thousand cubic feet)	**4.31**	**4.50**	**4.25**	**3.42**	**2.52**	*2.35*	*2.71*	*3.05*	*3.29*	*3.19*	*3.27*	*3.51*	**4.12**	*2.66*	*3.31*
Henry Hub Spot (dollars per Million Btu)	**4.18**	**4.37**	**4.12**	**3.32**	**2.45**	*2.28*	*2.64*	*2.96*	*3.19*	*3.10*	*3.17*	*3.41*	**4.00**	*2.58*	*3.22*
End-Use Prices (dollars per thousand cubic feet)															
Industrial Sector	**5.45**	**5.15**	**4.94**	**4.53**	**4.13**	*3.22*	*3.59*	*4.19*	*4.58*	*4.07*	*4.17*	*4.63*	**5.02**	*3.79*	*4.37*
Commercial Sector	**8.75**	**9.16**	**9.72**	**8.52**	**8.19**	*7.94*	*8.27*	*8.41*	*8.38*	*8.47*	*8.99*	*9.05*	**8.86**	*8.24*	*8.67*
Residential Sector	**9.96**	**11.97**	**15.53**	**10.45**	**9.67**	*11.56*	*15.18*	*10.64*	*9.80*	*11.59*	*15.74*	*11.17*	**10.80**	*10.72*	*10.92*
Electricity															
Power Generation Fuel Costs (dollars per million Btu)															
Coal	**2.34**	**2.42**	**2.46**	**2.37**	**2.41**	*2.42*	*2.39*	*2.35*	*2.38*	*2.33*	*2.32*	*2.27*	**2.40**	*2.39*	*2.33*
Natural Gas	**5.02**	**4.92**	**4.76**	**4.13**	**3.31**	*3.01*	*3.23*	*3.76*	*3.96*	*3.65*	*3.75*	*4.17*	**4.71**	*3.31*	*3.87*
Residual Fuel Oil (c)	**15.88**	**18.29**	**20.10**	**20.05**	**21.27**	*19.77*	*17.81*	*17.29*	*17.11*	*16.86*	*16.74*	*16.82*	**18.49**	*18.90*	*16.87*
Distillate Fuel Oil	**20.79**	**23.37**	**22.74**	**22.86**	**23.80**	*23.16*	*21.96*	*22.47*	*22.21*	*22.56*	*22.61*	*23.26*	**22.40**	*22.81*	*22.64*
End-Use Prices (cents per kilowatthour)															
Industrial Sector	**6.63**	**6.86**	**7.36**	**6.68**	**6.51**	*6.69*	*7.13*	*6.56*	*6.50*	*6.76*	*7.22*	*6.67*	**6.89**	*6.73*	*6.80*
Commercial Sector	**9.97**	**10.38**	**10.76**	**10.07**	**9.93**	*10.21*	*10.66*	*10.07*	*9.96*	*10.37*	*10.83*	*10.20*	**10.32**	*10.24*	*10.36*
Residential Sector	**11.19**	**11.95**	**12.18**	**11.82**	**11.57**	*12.15*	*12.46*	*11.86*	*11.35*	*12.27*	*12.55*	*12.02*	**11.79**	*12.03*	*12.06*

- = 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 - July 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**	**22.43**	*22.26*	*22.25*	*22.71*	*22.71*	*22.73*	*22.77*	*23.02*	**21.57**	*22.41*	*22.81*
U.S. (50 States)	**9.73**	**9.98**	**10.02**	**10.61**	**10.74**	*10.77*	*10.86*	*11.09*	*11.14*	*11.27*	*11.30*	*11.44*	**10.09**	*10.87*	*11.29*
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**	*2.95*	*2.95*	*2.93*	*2.90*	*2.89*	*2.88*	*2.86*	**2.96**	*2.94*	*2.88*
North Sea (b)	**3.61**	**3.34**	**3.10**	**3.34**	**3.36**	*3.21*	*3.10*	*3.27*	*3.26*	*3.12*	*3.01*	*3.14*	**3.35**	*3.23*	*3.13*
Other OECD	**1.49**	**1.47**	**1.51**	**1.59**	**1.61**	*1.58*	*1.60*	*1.55*	*1.54*	*1.54*	*1.57*	*1.54*	**1.52**	*1.59*	*1.55*
Non-OECD	**65.92**	**64.89**	**65.57**	**66.20**	**66.66**	*66.76*	*66.56*	*66.54*	*66.40*	*66.44*	*66.77*	*67.02*	**65.65**	*66.63*	*66.66*
OPEC	**35.31**	**34.63**	**35.41**	**35.89**	**36.49**	*36.81*	*36.26*	*35.97*	*35.67*	*35.33*	*35.50*	*35.65*	**35.31**	*36.38*	*35.54*
Crude Oil Portion	**29.78**	**29.20**	**29.99**	**30.35**	**30.87**	*30.90*	*30.56*	*30.23*	*29.91*	*29.56*	*29.72*	*29.81*	**29.83**	*30.64*	*29.75*
Other Liquids	**5.53**	**5.43**	**5.43**	**5.54**	**5.62**	*5.91*	*5.71*	*5.73*	*5.76*	*5.77*	*5.78*	*5.84*	**5.48**	*5.74*	*5.79*
Former Soviet Union	**13.35**	**13.35**	**13.25**	**13.30**	**13.41**	*13.36*	*13.45*	*13.54*	*13.54*	*13.68*	*13.66*	*13.70*	**13.31**	*13.44*	*13.64*
China	**4.36**	**4.33**	**4.22**	**4.26**	**4.31**	*4.41*	*4.48*	*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**	**12.45**	*12.18*	*12.36*	*12.50*	*12.70*	*12.90*	*13.07*	*13.13*	**12.73**	*12.37*	*12.95*
Total World Supply	**87.40**	**86.07**	**86.85**	**88.55**	**89.09**	*89.02*	*88.81*	*89.25*	*89.11*	*89.18*	*89.54*	*90.04*	**87.22**	*89.05*	*89.47*
Non-OPEC Supply	**52.09**	**51.44**	**51.44**	**52.65**	**52.60**	*52.21*	*52.55*	*53.29*	*53.44*	*53.84*	*54.04*	*54.39*	**51.91**	*52.66*	*53.93*
Consumption (million barrels per day) (c)															
OECD	**46.25**	**44.48**	**45.89**	**45.72**	**45.39**	*44.13*	*45.36*	*45.49*	*45.11*	*44.09*	*44.86*	*45.32*	**45.59**	*45.10*	*44.84*
U.S. (50 States)	**19.09**	**18.75**	**18.84**	**18.68**	**18.38**	*18.55*	*18.97*	*18.82*	*18.58*	*18.68*	*18.93*	*18.80*	**18.84**	*18.68*	*18.75*
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**	**2.20**	*2.14*	*2.26*	*2.23*	*2.21*	*2.14*	*2.26*	*2.23*	**2.24**	*2.21*	*2.21*
Europe	**14.22**	**14.12**	**14.69**	**14.09**	**13.68**	*13.66*	*14.36*	*14.02*	*13.41*	*13.32*	*13.76*	*13.73*	**14.28**	*13.93*	*13.56*
Japan	**4.86**	**3.92**	**4.32**	**4.82**	**5.30**	*4.21*	*4.17*	*4.57*	*5.04*	*4.25*	*4.29*	*4.70*	**4.48**	*4.56*	*4.57*
Other OECD	**5.54**	**5.25**	**5.44**	**5.57**	**5.52**	*5.26*	*5.30*	*5.55*	*5.53*	*5.35*	*5.28*	*5.53*	**5.45**	*5.40*	*5.42*
Non-OECD	**41.64**	**42.51**	**42.79**	**42.58**	**42.81**	*43.55*	*44.15*	*43.68*	*43.75*	*44.54*	*45.27*	*44.51*	**42.38**	*43.55*	*44.52*
Former Soviet Union	**4.58**	**4.51**	**4.77**	**4.76**	**4.69**	*4.62*	*4.88*	*4.88*	*4.80*	*4.72*	*5.00*	*4.99*	**4.66**	*4.77*	*4.88*
Europe	**0.74**	**0.74**	**0.77**	**0.77**	**0.74**	*0.75*	*0.77*	*0.77*	*0.75*	*0.75*	*0.78*	*0.78*	**0.75**	*0.76*	*0.76*
China	**9.99**	**9.78**	**9.57**	**9.82**	**10.12**	*10.09*	*10.33*	*10.29*	*10.57*	*10.53*	*10.81*	*10.52*	**9.79**	*10.21*	*10.61*
Other Asia	**10.20**	**10.39**	**10.00**	**10.28**	**10.36**	*10.61*	*10.16*	*10.43*	*10.41*	*10.60*	*10.19*	*10.47*	**10.22**	*10.39*	*10.42*
Other Non-OECD	**16.13**	**17.08**	**17.68**	**16.96**	**16.90**	*17.49*	*18.00*	*17.31*	*17.21*	*17.95*	*18.50*	*17.74*	**16.97**	*17.43*	*17.85*
Total World Consumption	**87.89**	**86.99**	**88.68**	**88.31**	**88.21**	*87.67*	*89.51*	*89.18*	*88.86*	*88.63*	*90.13*	*89.83*	**87.97**	*88.64*	*89.37*
Inventory Net Withdrawals (million barrels per day)															
U.S. (50 States)	**0.27**	**-0.42**	**0.29**	**0.32**	**-0.28**	*-0.19*	*-0.20*	*0.53*	*0.07*	*-0.43*	*-0.13*	*0.49*	**0.12**	*-0.03*	*0.00*
Other OECD	**0.21**	**-0.09**	**0.20**	**0.32**	**0.03**	*-0.43*	*0.33*	*-0.23*	*-0.12*	*-0.04*	*0.26*	*-0.26*	**0.16**	*-0.07*	*-0.04*
Other Stock Draws and Balance	**0.01**	**1.42**	**1.33**	**-0.88**	**-0.63**	*-0.73*	*0.56*	*-0.38*	*-0.21*	*-0.08*	*0.46*	*-0.44*	**0.47**	*-0.29*	*-0.06*
Total Stock Draw	**0.49**	**0.92**	**1.82**	**-0.24**	**-0.88**	*-1.35*	*0.69*	*-0.08*	*-0.25*	*-0.54*	*0.59*	*-0.21*	**0.75**	*-0.40*	*-0.10*
End-of-period Inventories (million barrels)															
U.S. Commercial Inventory	**1,043**	**1,081**	**1,085**	**1,056**	**1,081**	*1,098*	*1,116*	*1,067*	*1,061*	*1,100*	*1,112*	*1,066*	**1,056**	*1,067*	*1,066*
OECD Commercial Inventory	**2,618**	**2,664**	**2,650**	**2,591**	**2,614**	*2,670*	*2,657*	*2,629*	*2,634*	*2,676*	*2,664*	*2,643*	**2,591**	*2,629*	*2,643*

- = 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 - July 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**	**17.41**	**17.46**	*17.47*	*17.55*	*17.89*	*17.91*	*18.07*	*18.19*	*18.34*	**16.71**	*17.59*	*18.13*
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**	*2.95*	*2.95*	*2.93*	*2.90*	*2.89*	*2.88*	*2.86*	**2.96**	*2.94*	*2.88*
United States	**9.73**	**9.98**	**10.02**	**10.61**	**10.74**	*10.77*	*10.86*	*11.09*	*11.14*	*11.27*	*11.30*	*11.44*	**10.09**	*10.87*	*11.29*
Central and South America	**4.80**	**4.79**	**4.85**	**4.95**	**4.91**	*4.74*	*4.87*	*4.89*	*4.96*	*5.00*	*5.06*	*5.11*	**4.85**	*4.85*	*5.03*
Argentina	**0.78**	**0.71**	**0.78**	**0.79**	**0.77**	*0.74*	*0.77*	*0.76*	*0.76*	*0.76*	*0.76*	*0.75*	**0.76**	*0.76*	*0.76*
Brazil	**2.67**	**2.68**	**2.67**	**2.76**	**2.75**	*2.61*	*2.70*	*2.71*	*2.76*	*2.79*	*2.83*	*2.87*	**2.69**	*2.69*	*2.81*
Colombia	**0.88**	**0.94**	**0.94**	**0.96**	**0.95**	*0.95*	*0.95*	*0.98*	*0.99*	*1.00*	*1.02*	*1.05*	**0.93**	*0.96*	*1.02*
Other Central and S. America	**0.47**	**0.46**	**0.46**	**0.45**	**0.44**	*0.44*	*0.44*	*0.44*	*0.45*	*0.45*	*0.45*	*0.45*	**0.46**	*0.44*	*0.45*
Europe	**4.54**	**4.27**	**4.07**	**4.30**	**4.33**	*4.16*	*4.05*	*4.20*	*4.18*	*4.04*	*3.93*	*4.06*	**4.29**	*4.18*	*4.05*
Norway	**2.11**	**1.95**	**1.95**	**2.03**	**2.07**	*1.96*	*1.91*	*2.00*	*1.95*	*1.95*	*1.89*	*1.98*	**2.01**	*1.98*	*1.94*
United Kingdom (offshore)	**1.23**	**1.13**	**0.91**	**1.07**	**1.05**	*1.00*	*0.95*	*1.04*	*1.07*	*0.95*	*0.89*	*0.94*	**1.08**	*1.01*	*0.96*
Other North Sea	**0.26**	**0.27**	**0.24**	**0.24**	**0.24**	*0.24*	*0.24*	*0.24*	*0.23*	*0.23*	*0.22*	*0.21*	**0.25**	*0.24*	*0.22*
Former Soviet Union (FSU)	**13.35**	**13.35**	**13.25**	**13.30**	**13.41**	*13.36*	*13.45*	*13.54*	*13.54*	*13.68*	*13.66*	*13.70*	**13.31**	*13.44*	*13.64*
Azerbaijan	**1.00**	**1.00**	**0.97**	**0.98**	**0.96**	*0.99*	*1.09*	*1.12*	*1.00*	*0.98*	*0.96*	*0.94*	**0.99**	*1.04*	*0.97*
Kazakhstan	**1.67**	**1.65**	**1.63**	**1.61**	**1.63**	*1.60*	*1.63*	*1.64*	*1.75*	*1.77*	*1.81*	*1.84*	**1.64**	*1.62*	*1.79*
Russia	**10.22**	**10.24**	**10.19**	**10.25**	**10.35**	*10.27*	*10.23*	*10.28*	*10.29*	*10.43*	*10.39*	*10.40*	**10.23**	*10.28*	*10.38*
Turkmenistan	**0.22**	**0.22**	**0.22**	**0.23**	**0.24**	*0.24*	*0.25*	*0.25*	*0.26*	*0.26*	*0.27*	*0.27*	**0.22**	*0.24*	*0.27*
Other FSU	**0.45**	**0.45**	**0.45**	**0.46**	**0.47**	*0.50*	*0.50*	*0.50*	*0.50*	*0.51*	*0.51*	*0.51*	**0.45**	*0.49*	*0.51*
Middle East	**1.56**	**1.40**	**1.44**	**1.34**	**1.26**	*1.30*	*1.32*	*1.41*	*1.43*	*1.44*	*1.43*	*1.43*	**1.43**	*1.32*	*1.43*
Oman	**0.89**	**0.87**	**0.90**	**0.89**	**0.89**	*0.88*	*0.88*	*0.88*	*0.88*	*0.88*	*0.88*	*0.88*	**0.89**	*0.88*	*0.88*
Syria	**0.38**	**0.38**	**0.34**	**0.23**	**0.18**	*0.21*	*0.24*	*0.32*	*0.35*	*0.35*	*0.34*	*0.34*	**0.33**	*0.24*	*0.34*
Yemen	**0.24**	**0.10**	**0.15**	**0.16**	**0.13**	*0.16*	*0.15*	*0.15*	*0.15*	*0.15*	*0.15*	*0.15*	**0.16**	*0.15*	*0.15*
Asia and Oceania	**8.83**	**8.64**	**8.55**	**8.71**	**8.82**	*8.91*	*9.01*	*9.05*	*9.05*	*9.10*	*9.15*	*9.12*	**8.68**	*8.95*	*9.11*
Australia	**0.46**	**0.45**	**0.46**	**0.55**	**0.55**	*0.55*	*0.56*	*0.53*	*0.53*	*0.54*	*0.56*	*0.53*	**0.48**	*0.55*	*0.54*
China	**4.36**	**4.33**	**4.22**	**4.26**	**4.31**	*4.41*	*4.48*	*4.54*	*4.50*	*4.53*	*4.54*	*4.55*	**4.29**	*4.44*	*4.53*
India	**0.95**	**0.95**	**0.94**	**0.94**	**0.94**	*0.94*	*0.94*	*0.94*	*0.95*	*0.95*	*0.95*	*0.94*	**0.94**	*0.94*	*0.94*
Indonesia	**0.99**	**0.97**	**0.97**	**0.96**	**0.97**	*0.97*	*0.97*	*0.97*	*0.97*	*0.97*	*0.97*	*0.97*	**0.97**	*0.97*	*0.97*
Malaysia	**0.66**	**0.58**	**0.59**	**0.61**	**0.65**	*0.63*	*0.63*	*0.65*	*0.67*	*0.68*	*0.70*	*0.68*	**0.61**	*0.64*	*0.68*
Vietnam	**0.33**	**0.31**	**0.31**	**0.34**	**0.34**	*0.36*	*0.37*	*0.37*	*0.37*	*0.38*	*0.39*	*0.39*	**0.32**	*0.36*	*0.38*
Africa	**2.62**	**2.60**	**2.62**	**2.64**	**2.41**	*2.27*	*2.30*	*2.30*	*2.38*	*2.53*	*2.62*	*2.64*	**2.62**	*2.32*	*2.54*
Egypt	**0.71**	**0.71**	**0.70**	**0.70**	**0.70**	*0.70*	*0.70*	*0.69*	*0.69*	*0.68*	*0.68*	*0.67*	**0.71**	*0.70*	*0.68*
Equatorial Guinea	**0.30**	**0.30**	**0.29**	**0.32**	**0.33**	*0.33*	*0.33*	*0.33*	*0.33*	*0.33*	*0.33*	*0.35*	**0.30**	*0.33*	*0.34*
Gabon	**0.25**	**0.23**	**0.24**	**0.25**	**0.25**	*0.25*	*0.25*	*0.25*	*0.25*	*0.25*	*0.26*	*0.26*	**0.24**	*0.25*	*0.26*
Sudan	**0.48**	**0.45**	**0.45**	**0.45**	**0.20**	*0.09*	*0.11*	*0.11*	*0.19*	*0.35*	*0.45*	*0.45*	**0.46**	*0.13*	*0.36*
Total non-OPEC liquids	**52.09**	**51.44**	**51.44**	**52.65**	**52.60**	*52.21*	*52.55*	*53.29*	*53.44*	*53.84*	*54.04*	*54.39*	**51.91**	*52.66*	*53.93*
OPEC non-crude liquids	**5.53**	**5.43**	**5.43**	**5.54**	**5.62**	*5.91*	*5.71*	*5.73*	*5.76*	*5.77*	*5.78*	*5.84*	**5.48**	*5.74*	*5.79*
Non-OPEC + OPEC non-crude	**57.62**	**56.87**	**56.87**	**58.19**	**58.22**	*58.12*	*58.25*	*59.02*	*59.20*	*59.61*	*59.82*	*60.23*	**57.39**	*58.41*	*59.72*

- = 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 - July 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*	-	-	-	-	-	-	**1.27**	-	-
Angola	**1.70**	**1.60**	**1.70**	**1.78**	**1.78**	*1.75*	-	-	-	-	-	-	**1.70**	-	-
Ecudaor	**0.50**	**0.50**	**0.49**	**0.50**	**0.50**	*0.49*	-	-	-	-	-	-	**0.50**	-	-
Iran	**3.70**	**3.70**	**3.65**	**3.58**	**3.40**	*3.08*	-	-	-	-	-	-	**3.66**	-	-
Iraq	**2.53**	**2.53**	**2.63**	**2.70**	**2.64**	*2.91*	-	-	-	-	-	-	**2.60**	-	-
Kuwait	**2.33**	**2.50**	**2.53**	**2.55**	**2.60**	*2.60*	-	-	-	-	-	-	**2.48**	-	-
Libya	**1.09**	**0.17**	**0.07**	**0.55**	**1.18**	*1.40*	-	-	-	-	-	-	**0.47**	-	-
Nigeria	**2.13**	**2.15**	**2.19**	**2.03**	**2.12**	*2.17*	-	-	-	-	-	-	**2.13**	-	-
Qatar	**0.85**	**0.85**	**0.85**	**0.85**	**0.82**	*0.73*	-	-	-	-	-	-	**0.85**	-	-
Saudi Arabia	**9.03**	**9.13**	**9.80**	**9.70**	**9.87**	*9.80*	-	-	-	-	-	-	**9.42**	-	-
United Arab Emirates	**2.43**	**2.60**	**2.60**	**2.63**	**2.50**	*2.50*	-	-	-	-	-	-	**2.57**	-	-
Venezuela	**2.20**	**2.20**	**2.20**	**2.20**	**2.20**	*2.20*	-	-	-	-	-	-	**2.20**	-	-
OPEC Total	**29.78**	**29.20**	**29.99**	**30.35**	**30.87**	*30.90*	*30.56*	*30.23*	*29.91*	*29.56*	*29.72*	*29.81*	**29.83**	*30.64*	*29.75*
Other Liquids	**5.53**	**5.43**	**5.43**	**5.54**	**5.62**	*5.91*	*5.71*	*5.73*	*5.76*	*5.77*	*5.78*	*5.84*	**5.48**	*5.74*	*5.79*
Total OPEC Supply	**35.31**	**34.63**	**35.41**	**35.89**	**36.49**	*36.81*	*36.26*	*35.97*	*35.67*	*35.33*	*35.50*	*35.65*	**35.31**	*36.38*	*35.54*
Crude Oil Production Capacity															
Africa	**6.18**	**5.18**	**5.22**	**5.64**	**6.34**	*6.59*	*6.59*	*6.75*	*6.94*	*7.07*	*7.20*	*7.27*	**5.55**	*6.57*	*7.12*
South America	**2.70**	**2.70**	**2.69**	**2.69**	**2.70**	*2.69*	*2.68*	*2.68*	*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**	*23.92*	*23.72*	*23.53*	*23.48*	*23.51*	*23.53*	*23.56*	**24.57**	*23.82*	*23.52*
OPEC Total	**33.42**	**32.43**	**32.51**	**32.92**	**33.14**	*33.20*	*32.99*	*32.97*	*33.11*	*33.26*	*33.42*	*33.51*	**32.82**	*33.07*	*33.32*
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*	*2.43*	*2.73*	*3.20*	*3.70*	*3.70*	*3.70*	**2.98**	*2.43*	*3.58*
OPEC Total	**3.64**	**3.23**	**2.52**	**2.57**	**2.26**	*2.30*	*2.43*	*2.73*	*3.20*	*3.70*	*3.70*	*3.70*	**2.99**	*2.43*	*3.58*

- = 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 - July 2012

	2011				2012				2013						
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2011	2012	2013
North America	**23.40**	**22.97**	**23.23**	**23.06**	**22.65**	*22.75*	*23.33*	*23.16*	*22.89*	*22.95*	*23.29*	*23.13*	**23.16**	*22.97*	*23.07*
Canada	**2.25**	**2.15**	**2.29**	**2.26**	**2.20**	*2.14*	*2.26*	*2.23*	*2.21*	*2.14*	*2.26*	*2.23*	**2.24**	*2.21*	*2.21*
Mexico	**2.05**	**2.06**	**2.09**	**2.11**	**2.06**	*2.05*	*2.09*	*2.10*	*2.09*	*2.11*	*2.08*	*2.09*	**2.08**	*2.07*	*2.10*
United States	**19.09**	**18.75**	**18.84**	**18.68**	**18.38**	*18.55*	*18.97*	*18.82*	*18.58*	*18.68*	*18.93*	*18.80*	**18.84**	*18.68*	*18.75*
Central and South America	**6.26**	**6.49**	**6.51**	**6.49**	**6.43**	*6.67*	*6.69*	*6.67*	*6.63*	*6.87*	*6.90*	*6.88*	**6.44**	*6.62*	*6.82*
Brazil	**2.50**	**2.59**	**2.65**	**2.64**	**2.60**	*2.71*	*2.76*	*2.75*	*2.73*	*2.83*	*2.89*	*2.88*	**2.59**	*2.71*	*2.83*
Europe	**14.96**	**14.86**	**15.46**	**14.85**	**14.42**	*14.40*	*15.13*	*14.79*	*14.16*	*14.08*	*14.54*	*14.51*	**15.03**	*14.69*	*14.32*
Former Soviet Union	**4.58**	**4.51**	**4.77**	**4.76**	**4.69**	*4.62*	*4.88*	*4.88*	*4.80*	*4.72*	*5.00*	*4.99*	**4.66**	*4.77*	*4.88*
Russia	**3.09**	**3.05**	**3.22**	**3.22**	**3.16**	*3.11*	*3.30*	*3.29*	*3.22*	*3.17*	*3.36*	*3.35*	**3.15**	*3.21*	*3.27*
Middle East	**6.79**	**7.54**	**8.14**	**7.40**	**7.28**	*7.66*	*8.18*	*7.47*	*7.29*	*7.81*	*8.36*	*7.58*	**7.47**	*7.65*	*7.76*
Asia and Oceania	**28.55**	**27.30**	**27.26**	**28.40**	**29.25**	*28.13*	*27.87*	*28.74*	*29.48*	*28.63*	*28.50*	*29.15*	**27.87**	*28.50*	*28.94*
China	**9.99**	**9.78**	**9.57**	**9.82**	**10.12**	*10.09*	*10.33*	*10.29*	*10.57*	*10.53*	*10.81*	*10.52*	**9.79**	*10.21*	*10.61*
Japan	**4.86**	**3.92**	**4.32**	**4.82**	**5.30**	*4.21*	*4.17*	*4.57*	*5.04*	*4.25*	*4.29*	*4.70*	**4.48**	*4.56*	*4.57*
India	**3.36**	**3.35**	**3.07**	**3.32**	**3.44**	*3.47*	*3.15*	*3.40*	*3.55*	*3.53*	*3.24*	*3.50*	**3.27**	*3.36*	*3.46*
Africa	**3.36**	**3.34**	**3.31**	**3.35**	**3.47**	*3.45*	*3.42*	*3.46*	*3.60*	*3.57*	*3.55*	*3.59*	**3.34**	*3.45*	*3.58*
Total OECD Liquid Fuels Consumption	**46.25**	**44.48**	**45.89**	**45.72**	**45.39**	*44.13*	*45.36*	*45.49*	*45.11*	*44.09*	*44.86*	*45.32*	**45.59**	*45.10*	*44.84*
Total non-OECD Liquid Fuels Consumption	**41.64**	**42.51**	**42.79**	**42.58**	**42.81**	*43.55*	*44.15*	*43.68*	*43.75*	*44.54*	*45.27*	*44.51*	**42.38**	*43.55*	*44.52*
Total World Liquid Fuels Consumption	**87.89**	**86.99**	**88.68**	**88.31**	**88.21**	*87.67*	*89.51*	*89.18*	*88.86*	*88.63*	*90.13*	*89.83*	**87.97**	*88.64*	*89.37*
Oil-weighted Real Gross Domestic Product (a)															
World Index, 2007 Q1 = 100	**109.7**	**110.2**	**111.1**	**111.7**	**112.8**	*113.4*	*114.3*	*115.2*	*115.9*	*116.8*	*117.7*	*118.7*	**110.7**	*113.9*	*117.3*
Percent change from prior year	**3.6**	**2.8**	**2.9**	**2.5**	**2.8**	*2.9*	*2.9*	*3.1*	*2.8*	*3.0*	*2.9*	*3.0*	**2.9**	*2.9*	*2.9*
OECD Index, 2007 Q1 = 100	**101.5**	**101.8**	**102.4**	**102.7**	**103.2**	*103.4*	*103.8*	*104.2*	*104.6*	*105.0*	*105.4*	*105.9*	**102.1**	*103.6*	*105.2*
Percent change from prior year	**2.2**	**1.5**	**1.6**	**1.3**	**1.6**	*1.6*	*1.4*	*1.4*	*1.4*	*1.5*	*1.5*	*1.6*	**1.6**	*1.5*	*1.5*
Non-OECD Index, 2007 Q1 = 100	**122.3**	**123.3**	**124.5**	**125.6**	**127.7**	*129.0*	*130.9*	*132.5*	*133.8*	*135.6*	*137.3*	*139.1*	**123.9**	*130.0*	*136.5*
Percent change from prior year	**5.6**	**4.7**	**4.7**	**4.1**	**4.4**	*4.7*	*5.1*	*5.4*	*4.8*	*5.1*	*4.9*	*5.0*	**4.8**	*4.9*	*5.0*
Real U.S. Dollar Exchange Rate (a)															
Index, January 2007 = 100	**96.28**	**94.62**	**95.09**	**97.70**	**97.96**	*99.46*	*100.35*	*100.14*	*100.57*	*101.32*	*102.82*	*102.61*	**95.92**	*99.48*	*101.83*
Percent change from prior year	**-1.9**	**-5.2**	**-3.9**	**0.8**	**1.7**	*5.1*	*5.5*	*2.5*	*2.7*	*1.9*	*2.5*	*2.5*	**-2.6**	*3.7*	*2.4*

- = 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 - July 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**	**6.17**	*6.21*	*6.32*	*6.55*	*6.65*	*6.70*	*6.69*	*6.85*	**5.68**	*6.31*	*6.73*
Alaska	**0.57**	**0.59**	**0.53**	**0.60**	**0.59**	*0.53*	*0.50*	*0.55*	*0.56*	*0.53*	*0.47*	*0.53*	**0.57**	*0.54*	*0.52*
Federal Gulf of Mexico (b)	**1.46**	**1.35**	**1.19**	**1.27**	**1.34**	*1.30*	*1.30*	*1.34*	*1.36*	*1.38*	*1.36*	*1.39*	**1.32**	*1.32*	*1.38*
Lower 48 States (excl GOM)	**3.51**	**3.67**	**3.86**	**4.11**	**4.24**	*4.37*	*4.53*	*4.66*	*4.74*	*4.79*	*4.86*	*4.93*	**3.79**	*4.45*	*4.83*
Crude Oil Net Imports (c)	**8.68**	**8.95**	**9.07**	**8.80**	**8.58**	*8.82*	*8.94*	*7.94*	*7.76*	*8.20*	*8.39*	*7.63*	**8.87**	*8.57*	*8.00*
SPR Net Withdrawals	**0.00**	**0.00**	**0.33**	**0.00**	**0.00**	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	**0.08**	*0.00*	*0.00*
Commercial Inventory Net Withdrawals	**-0.32**	**0.05**	**0.29**	**0.01**	**-0.41**	*-0.16*	*0.18*	*0.20*	*-0.24*	*0.06*	*0.14*	*0.16*	**0.01**	*-0.05*	*0.03*
Crude Oil Adjustment (d)	**0.35**	**0.22**	**0.23**	**-0.01**	**0.20**	*0.26*	*0.06*	*0.04*	*0.09*	*0.14*	*0.07*	*0.04*	**0.20**	*0.14*	*0.09*
Total Crude Oil Input to Refineries	**14.23**	**14.81**	**15.50**	**14.78**	**14.54**	*15.13*	*15.51*	*14.73*	*14.27*	*15.10*	*15.29*	*14.69*	**14.83**	*14.98*	*14.84*
Other Supply															
Refinery Processing Gain	**1.03**	**1.06**	**1.13**	**1.12**	**1.05**	*1.07*	*1.10*	*1.08*	*1.05*	*1.06*	*1.08*	*1.08*	**1.08**	*1.07*	*1.07*
Natural Gas Liquids Production	**2.04**	**2.19**	**2.18**	**2.32**	**2.38**	*2.38*	*2.32*	*2.34*	*2.31*	*2.38*	*2.39*	*2.37*	**2.18**	*2.35*	*2.36*
Renewables and Oxygenate Production (e)	**0.95**	**0.94**	**0.94**	**0.98**	**0.95**	*0.93*	*0.93*	*0.93*	*0.94*	*0.93*	*0.93*	*0.93*	**0.95**	*0.93*	*0.93*
Fuel Ethanol Production	**0.91**	**0.89**	**0.90**	**0.94**	**0.92**	*0.89*	*0.90*	*0.90*	*0.90*	*0.90*	*0.90*	*0.90*	**0.91**	*0.90*	*0.90*
Petroleum Products Adjustment (f)	**0.18**	**0.19**	**0.19**	**0.21**	**0.21**	*0.19*	*0.19*	*0.19*	*0.19*	*0.20*	*0.21*	*0.21*	**0.19**	*0.20*	*0.20*
Product Net Imports (c)	**0.05**	**0.02**	**-0.77**	**-1.04**	**-0.86**	*-1.07*	*-0.70*	*-0.78*	*-0.50*	*-0.51*	*-0.69*	*-0.81*	**-0.44**	*-0.85*	*-0.63*
Pentanes Plus	**0.01**	**0.06**	**-0.03**	**-0.03**	**-0.07**	*-0.05*	*-0.03*	*-0.03*	*-0.04*	*-0.03*	*-0.04*	*-0.05*	**0.00**	*-0.05*	*-0.04*
Liquefied Petroleum Gas	**0.04**	**-0.08**	**-0.05**	**0.02**	**-0.03**	*-0.13*	*-0.21*	*-0.14*	*-0.10*	*-0.14*	*-0.16*	*-0.10*	**-0.02**	*-0.13*	*-0.12*
Unfinished Oils	**0.62**	**0.65**	**0.63**	**0.60**	**0.53**	*0.57*	*0.69*	*0.63*	*0.57*	*0.64*	*0.65*	*0.62*	**0.62**	*0.60*	*0.62*
Other HC/Oxygenates	**-0.10**	**-0.11**	**-0.11**	**-0.15**	**-0.11**	*-0.07*	*-0.11*	*-0.11*	*-0.11*	*-0.11*	*-0.10*	*-0.12*	**-0.12**	*-0.10*	*-0.11*
Motor Gasoline Blend Comp.	**0.65**	**0.83**	**0.59**	**0.57**	**0.58**	*0.57*	*0.71*	*0.61*	*0.59*	*0.68*	*0.62*	*0.62*	**0.66**	*0.62*	*0.63*
Finished Motor Gasoline	**-0.30**	**-0.31**	**-0.37**	**-0.52**	**-0.33**	*-0.25*	*-0.36*	*-0.46*	*-0.30*	*-0.27*	*-0.29*	*-0.48*	**-0.37**	*-0.35*	*-0.34*
Jet Fuel	**-0.04**	**0.01**	**-0.03**	**-0.05**	**-0.10**	*-0.06*	*-0.03*	*-0.06*	*-0.01*	*-0.01*	*-0.02*	*-0.07*	**-0.03**	*-0.06*	*-0.03*
Distillate Fuel Oil	**-0.44**	**-0.62**	**-0.75**	**-0.90**	**-0.76**	*-1.01*	*-0.74*	*-0.71*	*-0.57*	*-0.69*	*-0.72*	*-0.68*	**-0.68**	*-0.80*	*-0.67*
Residual Fuel Oil	**0.02**	**-0.03**	**-0.22**	**-0.08**	**-0.10**	*-0.15*	*-0.17*	*-0.11*	*-0.10*	*-0.09*	*-0.15*	*-0.10*	**-0.08**	*-0.13*	*-0.11*
Other Oils (g)	**-0.39**	**-0.38**	**-0.45**	**-0.50**	**-0.47**	*-0.52*	*-0.45*	*-0.40*	*-0.40*	*-0.48*	*-0.47*	*-0.46*	**-0.43**	*-0.46*	*-0.45*
Product Inventory Net Withdrawals	**0.60**	**-0.46**	**-0.33**	**0.31**	**0.13**	*-0.03*	*-0.38*	*0.34*	*0.32*	*-0.48*	*-0.28*	*0.33*	**0.03**	*0.01*	*-0.03*
Total Supply	**19.08**	**18.75**	**18.84**	**18.68**	**18.38**	*18.59*	*18.97*	*18.82*	*18.58*	*18.68*	*18.93*	*18.80*	**18.83**	*18.69*	*18.75*
Consumption (million barrels per day)															
Natural Gas Liquids and Other Liquids															
Pentanes Plus	**0.10**	**0.11**	**0.08**	**0.07**	**0.04**	*0.07*	*0.10*	*0.11*	*0.09*	*0.09*	*0.10*	*0.11*	**0.09**	*0.08*	*0.10*
Liquefied Petroleum Gas	**2.45**	**1.95**	**1.98**	**2.30**	**2.37**	*2.02*	*2.05*	*2.34*	*2.47*	*2.02*	*2.09*	*2.36*	**2.17**	*2.19*	*2.23*
Unfinished Oils	**0.06**	**-0.03**	**0.00**	**-0.03**	**0.09**	*0.01*	*0.00*	*0.00*	*0.01*	*0.00*	*0.00*	*0.00*	**0.00**	*0.03*	*0.00*
Finished Liquid Fuels															
Motor Gasoline	**8.60**	**8.86**	**8.87**	**8.60**	**8.48**	*8.85*	*8.87*	*8.60*	*8.42*	*8.79*	*8.84*	*8.57*	**8.74**	*8.70*	*8.66*
Jet Fuel	**1.36**	**1.47**	**1.48**	**1.38**	**1.35**	*1.44*	*1.48*	*1.39*	*1.37*	*1.46*	*1.47*	*1.39*	**1.43**	*1.41*	*1.42*
Distillate Fuel Oil	**3.95**	**3.75**	**3.78**	**3.93**	**3.81**	*3.68*	*3.81*	*3.93*	*3.89*	*3.76*	*3.84*	*3.98*	**3.85**	*3.81*	*3.87*
Residual Fuel Oil	**0.60**	**0.52**	**0.37**	**0.44**	**0.41**	*0.40*	*0.38*	*0.43*	*0.45*	*0.46*	*0.39*	*0.42*	**0.48**	*0.40*	*0.43*
Other Oils (f)	**1.96**	**2.11**	**2.26**	**1.98**	**1.84**	*2.10*	*2.27*	*2.03*	*1.89*	*2.11*	*2.21*	*1.96*	**2.08**	*2.06*	*2.04*
Total Consumption	**19.09**	**18.75**	**18.84**	**18.68**	**18.38**	*18.55*	*18.97*	*18.82*	*18.58*	*18.68*	*18.93*	*18.80*	**18.84**	*18.68*	*18.75*
Total Liquid Fuels Net Imports	**8.74**	**8.97**	**8.29**	**7.76**	**7.72**	*7.74*	*8.24*	*7.15*	*7.27*	*7.69*	*7.69*	*6.82*	**8.44**	*7.71*	*7.37*
End-of-period Inventories (million barrels)															
Commercial Inventory															
Crude Oil (excluding SPR)	**362.6**	**358.5**	**331.8**	**330.9**	**368.1**	*382.5*	*366.0*	*347.9*	*369.9*	*364.9*	*351.6*	*337.0*	**330.9**	*347.9*	*337.0*
Pentanes Plus	**10.8**	**15.3**	**16.8**	**17.6**	**15.9**	*16.6*	*17.0*	*14.8*	*14.3*	*15.9*	*16.6*	*14.4*	**17.6**	*14.8*	*14.4*
Liquefied Petroleum Gas	**68.7**	**105.3**	**132.5**	**111.1**	**102.0**	*146.4*	*164.5*	*124.6*	*90.2*	*129.6*	*155.4*	*119.7*	**111.1**	*124.6*	*119.7*
Unfinished Oils	**87.4**	**91.9**	**89.1**	**79.1**	**90.8**	*84.7*	*84.5*	*79.5*	*89.3*	*87.2*	*85.3*	*79.4*	**79.1**	*79.5*	*79.4*
Other HC/Oxygenates	**23.2**	**21.2**	**20.7**	**21.3**	**26.0**	*23.2*	*23.7*	*23.0*	*24.4*	*23.6*	*24.1*	*23.4*	**21.3**	*23.0*	*23.4*
Total Motor Gasoline	**214.9**	**215.2**	**216.1**	**224.3**	**218.8**	*205.3*	*212.3*	*222.6*	*222.5*	*217.4*	*214.1*	*225.6*	**224.3**	*222.6*	*225.6*
Finished Motor Gasoline	**60.8**	**56.4**	**57.1**	**61.4**	**54.4**	*52.1*	*54.0*	*56.2*	*56.0*	*58.1*	*58.3*	*61.8*	**61.4**	*56.2*	*61.8*
Motor Gasoline Blend Comp.	**154.1**	**158.8**	**159.0**	**162.8**	**164.4**	*153.2*	*158.3*	*166.4*	*166.5*	*159.3*	*155.9*	*163.9*	**162.8**	*166.4*	*163.9*
Jet Fuel	**40.0**	**42.3**	**46.0**	**41.7**	**39.1**	*38.9*	*40.9*	*39.9*	*40.6*	*42.2*	*43.3*	*40.9*	**41.7**	*39.9*	*40.9*
Distillate Fuel Oil	**148.5**	**143.7**	**153.7**	**149.7**	**133.8**	*118.1*	*132.2*	*136.7*	*121.9*	*132.3*	*143.4*	*146.2*	**149.7**	*136.7*	*146.2*
Residual Fuel Oil	**37.1**	**37.4**	**34.6**	**34.1**	**36.3**	*35.1*	*34.8*	*36.1*	*36.0*	*36.8*	*35.8*	*36.7*	**34.1**	*36.1*	*36.7*
Other Oils (f)	**49.6**	**50.5**	**43.8**	**45.8**	**50.4**	*47.6*	*40.5*	*42.0*	*51.5*	*49.6*	*42.0*	*43.0*	**45.8**	*42.0*	*43.0*
Total Commercial Inventory	**1,043**	**1,081**	**1,085**	**1,056**	**1,081**	*1,098*	*1,116*	*1,067*	*1,061*	*1,100*	*1,112*	*1,066*	**1,056**	*1,067*	*1,066*
Crude Oil in SPR	**727**	**727**	**696**	**696**	**696**	*696*	*696*	*696*	*696*	*696*	*696*	*696*	**696**	*696*	*696*
Heating Oil Reserve	**0.0**	**0.0**	**0.0**	**1.0**	**1.0**	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	**1.0**	*1.0*	*1.0*

- = no data available

(a) Includes lease condensate.

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

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

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

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

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

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

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

SPR: Strategic Petroleum Reserve

HC: Hydrocarbons

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

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

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

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

U.S. Energy Information Administration | Short-Term Energy Outlook - July 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**	*15.13*	*15.51*	*14.73*	*14.27*	*15.10*	*15.29*	*14.69*	**14.83**	*14.98*	*14.84*
Pentanes Plus	**0.17**	**0.18**	**0.17**	**0.17**	**0.17**	*0.17*	*0.17*	*0.18*	*0.16*	*0.17*	*0.17*	*0.18*	**0.17**	*0.17*	*0.17*
Liquefied Petroleum Gas	**0.34**	**0.26**	**0.27**	**0.39**	**0.33**	*0.26*	*0.27*	*0.39*	*0.33*	*0.25*	*0.27*	*0.39*	**0.32**	*0.31*	*0.31*
Other Hydrocarbons/Oxygenates	**0.96**	**1.01**	**1.04**	**1.03**	**1.00**	*1.03*	*0.99*	*1.00*	*0.99*	*1.03*	*1.02*	*1.02*	**1.01**	*1.01*	*1.02*
Unfinished Oils	**0.48**	**0.63**	**0.66**	**0.74**	**0.31**	*0.63*	*0.69*	*0.68*	*0.45*	*0.66*	*0.67*	*0.68*	**0.63**	*0.58*	*0.62*
Motor Gasoline Blend Components	**0.60**	**0.82**	**0.54**	**0.44**	**0.45**	*0.59*	*0.64*	*0.53*	*0.56*	*0.75*	*0.65*	*0.53*	**0.60**	*0.55*	*0.62*
Aviation Gasoline Blend Components	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	**0.00**	*0.00*	*0.00*
Total Refinery and Blender Net Inputs	**16.78**	**17.72**	**18.18**	**17.55**	**16.79**	*17.82*	*18.28*	*17.49*	*16.76*	*17.96*	*18.08*	*17.48*	**17.56**	*17.60*	*17.58*
Refinery Processing Gain	**1.03**	**1.06**	**1.13**	**1.12**	**1.05**	*1.07*	*1.10*	*1.08*	*1.05*	*1.06*	*1.08*	*1.08*	**1.08**	*1.07*	*1.07*
Refinery and Blender Net Production															
Liquefied Petroleum Gas	**0.52**	**0.81**	**0.74**	**0.42**	**0.53**	*0.83*	*0.74*	*0.41*	*0.50*	*0.79*	*0.75*	*0.42*	**0.62**	*0.63*	*0.61*
Finished Motor Gasoline	**8.76**	**9.12**	**9.19**	**9.06**	**8.61**	*8.94*	*9.20*	*9.04*	*8.67*	*9.05*	*9.10*	*9.06*	**9.03**	*8.95*	*8.97*
Jet Fuel	**1.37**	**1.49**	**1.55**	**1.39**	**1.42**	*1.49*	*1.54*	*1.44*	*1.39*	*1.48*	*1.50*	*1.43*	**1.45**	*1.47*	*1.45*
Distillate Fuel	**4.21**	**4.31**	**4.63**	**4.78**	**4.39**	*4.52*	*4.70*	*4.68*	*4.30*	*4.57*	*4.68*	*4.69*	**4.49**	*4.57*	*4.56*
Residual Fuel	**0.53**	**0.55**	**0.56**	**0.51**	**0.54**	*0.53*	*0.55*	*0.55*	*0.54*	*0.56*	*0.54*	*0.54*	**0.54**	*0.54*	*0.54*
Other Oils (a)	**2.41**	**2.50**	**2.64**	**2.51**	**2.35**	*2.58*	*2.65*	*2.45*	*2.40*	*2.57*	*2.60*	*2.43*	**2.51**	*2.51*	*2.50*
Total Refinery and Blender Net Production	**17.80**	**18.78**	**19.31**	**18.67**	**17.84**	*18.89*	*19.38*	*18.57*	*17.81*	*19.02*	*19.16*	*18.56*	**18.64**	*18.67*	*18.64*
Refinery Distillation Inputs	**14.69**	**15.22**	**15.93**	**15.27**	**14.89**	*15.38*	*15.79*	*15.07*	*14.59*	*15.40*	*15.62*	*15.05*	**15.28**	*15.28*	*15.17*
Refinery Operable Distillation Capacity	**17.70**	**17.74**	**17.74**	**17.73**	**17.29**	*17.25*	*17.23*	*17.23*	*17.23*	*17.23*	*17.23*	*17.23*	**17.73**	*17.25*	*17.23*
Refinery Distillation Utilization Factor	**0.83**	**0.86**	**0.90**	**0.86**	**0.86**	*0.89*	*0.92*	*0.87*	*0.85*	*0.89*	*0.91*	*0.87*	**0.86**	*0.89*	*0.88*

- = 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 - July 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**	*293*	*267*	*256*	*254*	*268*	*262*	*255*	**287**	*278*	*260*
Gasoline Regular Grade Retail Prices Including Taxes															
PADD 1	**329**	**377**	**364**	**337**	**363**	*366*	*335*	*324*	*322*	*335*	*330*	*324*	**352**	*347*	*328*
PADD 2	**326**	**380**	**364**	**329**	**355**	*366*	*338*	*317*	*315*	*332*	*327*	*316*	**350**	*344*	*323*
PADD 3	**314**	**365**	**349**	**317**	**346**	*353*	*320*	*307*	*304*	*321*	*316*	*306*	**336**	*331*	*312*
PADD 4	**311**	**365**	**355**	**337**	**322**	*374*	*335*	*317*	*307*	*327*	*329*	*318*	**342**	*337*	*321*
PADD 5	**353**	**400**	**377**	**368**	**390**	*414*	*367*	*353*	*345*	*359*	*360*	*351*	**375**	*381*	*354*
U.S. Average	**329**	**380**	**363**	**337**	**361**	*372*	*339*	*324*	*321*	*336*	*332*	*324*	**353**	*349*	*328*
Gasoline All Grades Including Taxes	**335**	**385**	**369**	**342**	**367**	*378*	*345*	*330*	*326*	*341*	*338*	*329*	**358**	*355*	*334*
End-of-period Inventories (million barrels)															
Total Gasoline Inventories															
PADD 1	**55.0**	**55.1**	**56.4**	**59.1**	**57.1**	*52.4*	*55.1*	*59.3*	*58.4*	*58.1*	*56.2*	*61.1*	**59.1**	*59.3*	*61.1*
PADD 2	**50.5**	**49.5**	**49.9**	**52.1**	**52.5**	*49.0*	*50.4*	*50.5*	*51.2*	*50.5*	*49.8*	*50.7*	**52.1**	*50.5*	*50.7*
PADD 3	**70.3**	**73.5**	**75.0**	**75.8**	**71.4**	*69.7*	*72.1*	*76.1*	*76.5*	*74.1*	*73.5*	*77.5*	**75.8**	*76.1*	*77.5*
PADD 4	**6.5**	**6.6**	**5.9**	**7.6**	**6.5**	*6.3*	*6.3*	*6.8*	*6.6*	*6.2*	*6.2*	*6.7*	**7.6**	*6.8*	*6.7*
PADD 5	**32.7**	**30.4**	**28.9**	**29.6**	**31.3**	*27.9*	*28.4*	*30.0*	*29.8*	*28.5*	*28.5*	*29.6*	**29.6**	*30.0*	*29.6*
U.S. Total	**214.9**	**215.2**	**216.1**	**224.3**	**218.8**	*205.3*	*212.3*	*222.6*	*222.5*	*217.4*	*214.1*	*225.6*	**224.3**	*222.6*	*225.6*
Finished Gasoline Inventories															
U.S. Total	**60.8**	**56.4**	**57.1**	**61.4**	**54.4**	*52.1*	*54.0*	*56.2*	*56.0*	*58.1*	*58.3*	*61.8*	**61.4**	*56.2*	*61.8*
Gasoline Blending Components Inventories															
U.S. Total	**154.1**	**158.8**	**159.0**	**162.8**	**164.4**	*153.2*	*158.3*	*166.4*	*166.5*	*159.3*	*155.9*	*163.9*	**162.8**	*166.4*	*163.9*

- = no data available

Prices are not adjusted for inflation.

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

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

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

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

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

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

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

U.S. Energy Information Administration | Short-Term Energy Outlook - July 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**	**69.15**	*69.16*	*68.74*	*68.88*	*69.43*	*69.65*	*69.72*	*69.86*	**66.22**	*68.98*	*69.67*
Alaska	**1.12**	**1.00**	**0.86**	**1.02**	**1.07**	*0.97*	*1.00*	*0.97*	*0.99*	*0.91*	*0.96*	*0.96*	**1.00**	*1.00*	*0.95*
Federal GOM (a)	**5.60**	**5.23**	**4.54**	**4.58**	**4.57**	*4.50*	*4.26*	*4.41*	*4.79*	*4.78*	*4.58*	*4.69*	**4.98**	*4.44*	*4.71*
Lower 48 States (excl GOM)	**57.10**	**59.73**	**60.90**	**63.14**	**63.51**	*63.68*	*63.48*	*63.50*	*63.65*	*63.97*	*64.18*	*64.22*	**60.24**	*63.54*	*64.01*
Total Dry Gas Production	**60.83**	**62.75**	**63.10**	**65.32**	**65.64**	*65.65*	*65.24*	*65.38*	*65.90*	*66.11*	*66.17*	*66.31*	**63.01**	*65.48*	*66.13*
Gross Imports	**11.04**	**8.95**	**8.97**	**8.95**	**8.98**	*8.20*	*8.90*	*9.20*	*9.82*	*8.55*	*9.06*	*9.20*	**9.47**	*8.82*	*9.16*
Pipeline	**9.80**	**7.89**	**8.20**	**8.17**	**8.37**	*7.89*	*8.32*	*8.56*	*9.03*	*7.82*	*8.49*	*8.56*	**8.51**	*8.29*	*8.47*
LNG	**1.23**	**1.05**	**0.77**	**0.78**	**0.61**	*0.30*	*0.58*	*0.64*	*0.79*	*0.74*	*0.58*	*0.64*	**0.96**	*0.53*	*0.69*
Gross Exports	**4.51**	**4.16**	**3.82**	**4.04**	**4.41**	*4.10*	*3.82*	*4.14*	*4.64*	*4.25*	*4.08*	*4.31*	**4.13**	*4.11*	*4.32*
Net Imports	**6.53**	**4.79**	**5.15**	**4.91**	**4.57**	*4.10*	*5.08*	*5.07*	*5.18*	*4.31*	*4.99*	*4.89*	**5.34**	*4.71*	*4.84*
Supplemental Gaseous Fuels	**0.19**	**0.14**	**0.16**	**0.18**	**0.19**	*0.15*	*0.17*	*0.19*	*0.19*	*0.16*	*0.17*	*0.19*	**0.17**	*0.17*	*0.18*
Net Inventory Withdrawals	**16.98**	**-10.45**	**-9.63**	**-0.51**	**10.61**	*-7.05*	*-7.67*	*4.58*	*16.29*	*-10.51*	*-8.78*	*4.96*	**-0.97**	*0.11*	*0.44*
Total Supply	**84.53**	**57.23**	**58.78**	**69.91**	**81.01**	*62.85*	*62.82*	*75.21*	*87.56*	*60.07*	*62.55*	*76.35*	**67.55**	*70.46*	*71.58*
Balancing Item (b)	**-0.80**	**-0.78**	**-0.25**	**-1.79**	**-0.45**	*-1.13*	*-0.38*	*-0.26*	*-0.60*	*-0.71*	*0.50*	*-1.01*	**-0.90**	*-0.55*	*-0.45*
Total Primary Supply	**83.74**	**56.45**	**58.54**	**68.12**	**80.56**	*61.71*	*62.44*	*74.96*	*86.96*	*59.36*	*63.05*	*75.35*	**66.65**	*69.91*	*71.12*
Consumption (billion cubic feet per day)															
Residential	**26.13**	**7.58**	**3.73**	**14.65**	**20.65**	*6.55*	*3.87*	*17.47*	*24.80*	*6.84*	*3.78*	*16.98*	**12.96**	*12.13*	*13.06*
Commercial	**14.75**	**5.90**	**4.35**	**9.75**	**12.12**	*5.43*	*4.06*	*10.64*	*14.21*	*5.37*	*3.87*	*10.32*	**8.66**	*8.06*	*8.42*
Industrial	**20.02**	**17.65**	**17.19**	**18.93**	**19.72**	*17.78*	*17.60*	*19.22*	*20.47*	*17.98*	*17.76*	*19.29*	**18.44**	*18.58*	*18.87*
Electric Power (c)	**16.75**	**19.88**	**27.74**	**18.85**	**21.76**	*26.24*	*31.22*	*21.62*	*20.88*	*23.44*	*31.86*	*22.70*	**20.83**	*25.22*	*24.75*
Lease and Plant Fuel	**3.65**	**3.78**	**3.79**	**3.93**	**3.96**	*3.96*	*3.93*	*3.94*	*3.97*	*3.99*	*3.99*	*4.00*	**3.79**	*3.95*	*3.99*
Pipeline and Distribution Use	**2.36**	**1.59**	**1.65**	**1.92**	**2.27**	*1.66*	*1.67*	*1.97*	*2.52*	*1.65*	*1.69*	*1.96*	**1.87**	*1.89*	*1.95*
Vehicle Use	**0.09**	**0.09**	**0.09**	**0.09**	**0.09**	*0.09*	*0.09*	*0.09*	*0.09*	*0.09*	*0.09*	*0.09*	**0.09**	*0.09*	*0.09*
Total Consumption	**83.74**	**56.45**	**58.54**	**68.12**	**80.56**	*61.71*	*62.44*	*74.96*	*86.96*	*59.36*	*63.05*	*75.35*	**66.65**	*69.91*	*71.12*
End-of-period Inventories (billion cubic feet)															
Working Gas Inventory	**1,581**	**2,530**	**3,416**	**3,462**	**2,477**	*3,114*	*3,820*	*3,399*	*1,933*	*2,890*	*3,697*	*3,240*	**3,462**	*3,399*	*3,240*
Producing Region (d)	**738**	**992**	**1,070**	**1,193**	**1,034**	*1,122*	*1,211*	*1,149*	*829*	*1,052*	*1,169*	*1,097*	**1,193**	*1,149*	*1,097*
East Consuming Region (d)	**618**	**1,188**	**1,879**	**1,822**	**1,090**	*1,521*	*2,070*	*1,783*	*819*	*1,418*	*2,034*	*1,707*	**1,822**	*1,783*	*1,707*
West Consuming Region (d)	**225**	**350**	**468**	**447**	**353**	*472*	*540*	*467*	*285*	*420*	*494*	*437*	**447**	*467*	*437*

- = 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 - July 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**	*2.12*	*2.59*	*2.98*	*3.13*	*2.80*	*3.12*	*3.44*	**3.90**	*2.56*	*3.12*
Henry Hub Spot Price	**4.31**	**4.50**	**4.25**	**3.42**	**2.52**	*2.35*	*2.71*	*3.05*	*3.29*	*3.19*	*3.27*	*3.51*	**4.12**	*2.66*	*3.31*
Residential															
New England	**13.99**	**14.30**	**17.26**	**13.08**	**13.07**	*14.88*	*16.84*	*13.51*	*13.27*	*14.35*	*17.34*	*14.26*	**14.05**	*13.82*	*14.04*
Middle Atlantic	**11.84**	**14.11**	**18.14**	**12.66**	**11.29**	*13.23*	*16.91*	*12.91*	*11.57*	*13.21*	*17.56*	*13.80*	**12.83**	*12.52*	*12.86*
E. N. Central	**8.87**	**10.95**	**16.23**	**9.31**	**8.35**	*10.14*	*15.27*	*9.13*	*8.43*	*10.49*	*16.23*	*9.72*	**9.76**	*9.31*	*9.58*
W. N. Central	**8.83**	**11.17**	**16.78**	**9.51**	**8.45**	*11.43*	*16.09*	*8.99*	*8.41*	*10.63*	*16.79*	*9.59*	**9.80**	*9.50*	*9.52*
S. Atlantic	**11.97**	**17.55**	**22.89**	**13.51**	**12.43**	*17.84*	*22.56*	*13.13*	*12.15*	*17.45*	*23.69*	*14.00*	**13.78**	*14.05*	*14.07*
E. S. Central	**9.92**	**13.70**	**18.42**	**11.11**	**10.21**	*14.30*	*17.78*	*11.20*	*10.43*	*14.14*	*18.95*	*11.53*	**11.13**	*11.47*	*11.61*
W. S. Central	**8.60**	**14.31**	**19.03**	**10.16**	**9.25**	*13.71*	*17.71*	*10.10*	*8.44*	*13.66*	*18.83*	*10.94*	**10.47**	*10.81*	*10.54*
Mountain	**8.92**	**9.87**	**13.54**	**8.86**	**8.80**	*10.00*	*12.98*	*8.97*	*8.66*	*9.17*	*12.24*	*8.53*	**9.40**	*9.36*	*8.97*
Pacific	**9.97**	**10.91**	**11.63**	**9.92**	**9.40**	*9.23*	*10.15*	*9.41*	*9.54*	*9.62*	*10.49*	*9.75*	**10.34**	*9.46*	*9.73*
U.S. Average	**9.96**	**11.97**	**15.53**	**10.45**	**9.67**	*11.56*	*15.18*	*10.64*	*9.80*	*11.59*	*15.74*	*11.17*	**10.80**	*10.72*	*10.92*
Commercial															
New England	**11.16**	**10.64**	**10.43**	**10.45**	**10.26**	*10.91*	*10.67*	*11.08*	*11.10*	*10.70*	*10.95*	*11.50*	**10.83**	*10.66*	*11.13*
Middle Atlantic	**9.84**	**9.62**	**8.99**	**9.27**	**8.79**	*7.98*	*7.88*	*9.25*	*9.19*	*9.04*	*8.87*	*10.00*	**9.55**	*8.67*	*9.35*
E. N. Central	**8.35**	**8.98**	**9.85**	**7.88**	**7.46**	*7.62*	*8.09*	*7.75*	*7.89*	*8.41*	*8.94*	*8.47*	**8.45**	*7.64*	*8.22*
W. N. Central	**7.92**	**8.44**	**9.49**	**7.61**	**7.21**	*6.79*	*7.96*	*6.95*	*7.24*	*7.28*	*8.65*	*7.46*	**8.05**	*7.13*	*7.42*
S. Atlantic	**9.80**	**10.87**	**11.13**	**9.77**	**9.31**	*9.37*	*9.60*	*9.76*	*9.64*	*10.04*	*10.46*	*10.69*	**10.13**	*9.53*	*10.14*
E. S. Central	**8.82**	**9.59**	**10.39**	**9.24**	**8.78**	*8.87*	*9.29*	*9.42*	*9.05*	*9.57*	*10.02*	*10.02*	**9.22**	*9.06*	*9.50*
W. S. Central	**7.30**	**8.54**	**8.92**	**7.43**	**7.25**	*6.79*	*7.51*	*7.26*	*7.13*	*7.64*	*8.21*	*7.87*	**7.78**	*7.21*	*7.57*
Mountain	**8.03**	**8.05**	**9.00**	**7.72**	**7.49**	*7.47*	*7.90*	*7.55*	*7.24*	*7.12*	*8.07*	*7.88*	**8.05**	*7.55*	*7.49*
Pacific	**9.13**	**9.19**	**9.75**	**8.88**	**8.60**	*7.57*	*7.65*	*8.07*	*8.35*	*7.75*	*8.22*	*8.63*	**9.17**	*8.08*	*8.28*
U.S. Average	**8.75**	**9.16**	**9.72**	**8.52**	**8.19**	*7.94*	*8.27*	*8.41*	*8.38*	*8.47*	*8.99*	*9.05*	**8.86**	*8.24*	*8.67*
Industrial															
New England	**10.67**	**9.82**	**9.20**	**9.21**	**9.55**	*7.99*	*7.85*	*9.09*	*10.00*	*9.07*	*8.73*	*9.72*	**9.84**	*8.80*	*9.52*
Middle Atlantic	**9.58**	**9.28**	**8.88**	**9.24**	**8.54**	*6.79*	*7.35*	*9.01*	*8.91*	*7.80*	*7.96*	*9.51*	**9.36**	*8.16*	*8.73*
E. N. Central	**7.39**	**7.19**	**7.28**	**6.64**	**6.70**	*5.68*	*5.76*	*6.21*	*6.54*	*6.17*	*6.24*	*6.66*	**7.15**	*6.22*	*6.47*
W. N. Central	**6.27**	**5.77**	**5.55**	**5.54**	**5.41**	*3.81*	*3.82*	*4.65*	*5.19*	*4.05*	*4.22*	*4.91*	**5.81**	*4.45*	*4.66*
S. Atlantic	**6.53**	**6.23**	**6.07**	**5.71**	**5.05**	*4.23*	*4.66*	*5.29*	*5.61*	*5.18*	*5.39*	*5.93*	**6.15**	*4.83*	*5.54*
E. S. Central	**5.84**	**5.58**	**5.47**	**5.10**	**4.44**	*3.79*	*4.33*	*4.84*	*5.16*	*4.71*	*4.92*	*5.25*	**5.51**	*4.37*	*5.03*
W. S. Central	**4.29**	**4.51**	**4.39**	**3.64**	**2.94**	*2.52*	*3.02*	*3.18*	*3.38*	*3.45*	*3.61*	*3.66*	**4.21**	*2.92*	*3.53*
Mountain	**6.86**	**6.49**	**6.86**	**6.29**	**6.05**	*5.02*	*5.23*	*5.91*	*6.02*	*5.35*	*5.97*	*6.44*	**6.61**	*5.63*	*5.98*
Pacific	**7.51**	**7.33**	**7.37**	**6.94**	**6.66**	*5.50*	*5.45*	*6.36*	*6.60*	*5.90*	*6.21*	*6.96*	**7.29**	*6.05*	*6.46*
U.S. Average	**5.45**	**5.15**	**4.94**	**4.53**	**4.13**	*3.22*	*3.59*	*4.19*	*4.58*	*4.07*	*4.17*	*4.63*	**5.02**	*3.79*	*4.37*

- = 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 - July 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**	**266.4**	*237.5*	*244.7*	*248.7*	*230.7*	*232.1*	*234.9*	*240.3*	**1094.3**	*997.4*	*937.9*
Appalachia	**87.3**	**85.7**	**81.8**	**82.1**	**80.6**	*79.2*	*75.4*	*76.9*	*71.3*	*72.4*	*68.9*	*70.2*	**336.9**	*312.1*	*282.8*
Interior	**41.5**	**41.1**	**45.0**	**42.6**	**44.3**	*39.0*	*33.2*	*34.2*	*32.2*	*32.9*	*32.6*	*32.7*	**170.3**	*150.7*	*130.4*
Western	**144.8**	**136.8**	**147.8**	**157.7**	**141.5**	*119.3*	*136.2*	*137.7*	*127.2*	*126.7*	*133.5*	*137.4*	**587.1**	*534.6*	*524.8*
Primary Inventory Withdrawals	**5.5**	**-1.1**	**1.6**	**1.8**	**0.4**	*0.5*	*3.8*	*-0.2*	*5.5*	*-1.1*	*1.6*	*-2.6*	**7.9**	*4.5*	*3.5*
Imports	**3.4**	**3.4**	**3.6**	**2.7**	**2.0**	*2.3*	*4.1*	*3.9*	*3.6*	*3.6*	*4.4*	*4.0*	**13.1**	*12.4*	*15.7*
Exports	**26.6**	**27.0**	**26.0**	**27.7**	**28.6**	*33.1*	*26.3*	*24.1*	*23.6*	*24.8*	*24.3*	*24.0*	**107.3**	*112.2*	*96.7*
Metallurgical Coal	**17.2**	**17.8**	**16.5**	**18.0**	**17.5**	*20.7*	*16.7*	*16.2*	*16.3*	*17.1*	*16.4*	*16.0*	**69.5**	*71.1*	*65.7*
Steam Coal	**9.5**	**9.1**	**9.5**	**9.6**	**11.1**	*12.4*	*9.6*	*8.0*	*7.3*	*7.7*	*7.9*	*8.1*	**37.6**	*41.1*	*31.0*
Total Primary Supply	**255.9**	**239.0**	**253.9**	**259.3**	**240.2**	*207.1*	*226.4*	*228.3*	*216.2*	*209.8*	*216.7*	*217.7*	**1008.1**	*902.0*	*860.4*
Secondary Inventory Withdrawals	**8.9**	**0.7**	**20.7**	**-31.2**	**-20.3**	*-11.0*	*11.4*	*-5.4*	*5.5*	*-11.3*	*11.5*	*-5.5*	**-0.8**	*-25.4*	*0.2*
Waste Coal (a)	**3.3**	**2.9**	**3.4**	**3.0**	**2.8**	*3.2*	*3.2*	*3.2*	*3.4*	*3.2*	*3.2*	*3.2*	**12.5**	*12.3*	*12.9*
Total Supply	**268.0**	**242.6**	**278.0**	**231.1**	**222.8**	*199.3*	*240.9*	*226.0*	*225.1*	*201.7*	*231.3*	*215.4*	**1019.7**	*889.0*	*873.6*
Consumption (million short tons)															
Coke Plants	**5.2**	**5.4**	**5.4**	**5.4**	**5.3**	*6.4*	*7.1*	*6.9*	*7.1*	*6.8*	*7.5*	*7.1*	**21.4**	*25.6*	*28.4*
Electric Power Sector (b)	**234.8**	**223.5**	**261.5**	**208.6**	**189.9**	*180.4*	*221.7*	*205.9*	*204.9*	*182.0*	*211.4*	*195.0*	**928.6**	*797.9*	*793.3*
Retail and Other Industry	**13.5**	**11.7**	**11.7**	**12.2**	**11.7**	*11.9*	*12.1*	*13.3*	*13.2*	*12.9*	*12.4*	*13.4*	**49.1**	*49.1*	*51.9*
Residential and Commercial	**1.0**	**0.6**	**0.5**	**0.6**	**0.7**	*0.6*	*0.8*	*1.2*	*1.2*	*0.8*	*0.8*	*1.2*	**2.8**	*3.3*	*4.1*
Other Industrial	**12.5**	**11.1**	**11.2**	**11.6**	**11.0**	*11.3*	*11.3*	*12.1*	*12.0*	*12.1*	*11.6*	*12.1*	**46.3**	*45.7*	*47.8*
Total Consumption	**253.6**	**240.6**	**278.7**	**226.3**	**206.9**	*198.2*	*240.9*	*226.0*	*225.1*	*201.7*	*231.3*	*215.4*	**999.1**	*872.1*	*873.6*
Discrepancy (c)	**14.5**	**2.0**	**-0.6**	**4.9**	**15.8**	*1.1*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	**20.6**	*17.0*	*0.0*
End-of-period Inventories (million short tons)															
Primary Inventories (d)	**44.3**	**45.4**	**43.8**	**41.9**	**41.5**	*41.0*	*37.2*	*37.4*	*32.0*	*33.0*	*31.4*	*34.0*	**41.9**	*37.4*	*34.0*
Secondary Inventories	**173.1**	**172.4**	**151.6**	**182.8**	**203.0**	*214.1*	*202.7*	*208.1*	*202.6*	*213.9*	*202.4*	*207.9*	**182.8**	*208.1*	*207.9*
Electric Power Sector	**166.7**	**165.7**	**144.4**	**175.1**	**196.4**	*206.7*	*194.7*	*199.8*	*195.2*	*205.9*	*193.9*	*199.1*	**175.1**	*199.8*	*199.1*
Retail and General Industry	**3.9**	**4.2**	**4.3**	**4.5**	**3.8**	*4.1*	*4.8*	*5.2*	*4.4*	*4.7*	*5.3*	*5.6*	**4.5**	*5.2*	*5.6*
Coke Plants	**2.0**	**2.0**	**2.4**	**2.6**	**2.3**	*2.7*	*2.6*	*2.6*	*2.4*	*2.8*	*2.7*	*2.7*	**2.6**	*2.6*	*2.7*
Coal Market Indicators															
Coal Miner Productivity (Tons per hour)	**5.22**	**5.22**	**5.22**	**5.22**	**5.12**	*5.12*	*5.12*	*5.12*	*4.97*	*4.97*	*4.97*	*4.97*	**5.22**	*5.12*	*4.97*
Total Raw Steel Production (Million short tons per day)	**0.257**	**0.261**	**0.266**	**0.264**	**0.274**	*0.278*	*0.283*	*0.278*	*0.294*	*0.303*	*0.287*	*0.280*	**0.262**	*0.278*	*0.291*
Cost of Coal to Electric Utilities (Dollars per million Btu)	**2.34**	**2.42**	**2.46**	**2.37**	**2.41**	*2.42*	*2.39*	*2.35*	*2.38*	*2.33*	*2.32*	*2.27*	**2.40**	*2.39*	*2.33*

- = no data available

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

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

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

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

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

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

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

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

Table 7a. U.S. Electricity Industry Overview

U.S. Energy Information Administration | Short-Term Energy Outlook - July 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**	*10.89*	*12.28*	*10.65*	*11.02*	*10.84*	*12.32*	*10.70*	**11.25**	*11.10*	*11.22*
Electric Power Sector (a)	**10.66**	**10.54**	**12.22**	**9.92**	**10.14**	*10.50*	*11.85*	*10.25*	*10.62*	*10.45*	*11.90*	*10.31*	**10.84**	*10.69*	*10.82*
Industrial Sector	**0.39**	**0.38**	**0.40**	**0.39**	**0.40**	*0.37*	*0.40*	*0.38*	*0.38*	*0.37*	*0.40*	*0.37*	**0.39**	*0.39*	*0.38*
Commercial Sector	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	**0.02**	*0.02*	*0.02*
Net Imports	**0.08**	**0.10**	**0.13**	**0.09**	**0.10**	*0.09*	*0.11*	*0.08*	*0.08*	*0.07*	*0.10*	*0.07*	**0.10**	*0.09*	*0.08*
Total Supply	**11.15**	**11.04**	**12.78**	**10.42**	**10.66**	*10.99*	*12.39*	*10.73*	*11.10*	*10.91*	*12.43*	*10.77*	**11.35**	*11.19*	*11.30*
Losses and Unaccounted for (b)	**0.59**	**0.95**	**0.86**	**0.74**	**0.63**	*0.92*	*0.75*	*0.74*	*0.58*	*0.88*	*0.77*	*0.73*	**0.79**	*0.76*	*0.74*
Electricity Consumption (billion kilowatthours per day)															
Retail Sales	**10.21**	**9.74**	**11.55**	**9.33**	**9.66**	*9.73*	*11.27*	*9.64*	*10.17*	*9.69*	*11.29*	*9.70*	**10.21**	*10.08*	*10.21*
Residential Sector	**4.12**	**3.49**	**4.69**	**3.30**	**3.67**	*3.39*	*4.43*	*3.50*	*4.03*	*3.41*	*4.44*	*3.54*	**3.90**	*3.75*	*3.85*
Commercial Sector	**3.45**	**3.56**	**4.05**	**3.39**	**3.36**	*3.60*	*3.99*	*3.46*	*3.49*	*3.58*	*4.02*	*3.49*	**3.61**	*3.60*	*3.65*
Industrial Sector	**2.61**	**2.67**	**2.79**	**2.62**	**2.61**	*2.71*	*2.82*	*2.66*	*2.62*	*2.68*	*2.81*	*2.65*	**2.67**	*2.70*	*2.69*
Transportation Sector	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	**0.02**	*0.02*	*0.02*
Direct Use (c)	**0.35**	**0.35**	**0.37**	**0.35**	**0.36**	*0.34*	*0.37*	*0.35*	*0.35*	*0.34*	*0.37*	*0.34*	**0.36**	*0.36*	*0.35*
Total Consumption	**10.56**	**10.09**	**11.92**	**9.68**	**10.03**	*10.07*	*11.64*	*9.99*	*10.52*	*10.03*	*11.65*	*10.04*	**10.57**	*10.43*	*10.56*
Prices															
Power Generation Fuel Costs (dollars per million Btu)															
Coal	**2.34**	**2.42**	**2.46**	**2.37**	**2.41**	*2.42*	*2.39*	*2.35*	*2.38*	*2.33*	*2.32*	*2.27*	**2.40**	*2.39*	*2.33*
Natural Gas	**5.02**	**4.92**	**4.76**	**4.13**	**3.31**	*3.01*	*3.23*	*3.76*	*3.96*	*3.65*	*3.75*	*4.17*	**4.71**	*3.31*	*3.87*
Residual Fuel Oil	**15.88**	**18.29**	**20.10**	**20.05**	**21.27**	*19.77*	*17.81*	*17.29*	*17.11*	*16.86*	*16.74*	*16.82*	**18.49**	*18.90*	*16.87*
Distillate Fuel Oil	**20.79**	**23.37**	**22.74**	**22.86**	**23.80**	*23.16*	*21.96*	*22.47*	*22.21*	*22.56*	*22.61*	*23.26*	**22.40**	*22.81*	*22.64*
End-Use Prices (cents per kilowatthour)															
Residential Sector	**11.19**	**11.95**	**12.18**	**11.82**	**11.57**	*12.15*	*12.46*	*11.86*	*11.35*	*12.27*	*12.55*	*12.02*	**11.79**	*12.03*	*12.06*
Commercial Sector	**9.97**	**10.38**	**10.76**	**10.07**	**9.93**	*10.21*	*10.66*	*10.07*	*9.96*	*10.37*	*10.83*	*10.20*	**10.32**	*10.24*	*10.36*
Industrial Sector	**6.63**	**6.86**	**7.36**	**6.68**	**6.51**	*6.69*	*7.13*	*6.56*	*6.50*	*6.76*	*7.22*	*6.67*	**6.89**	*6.73*	*6.80*

- = no data available

Prices are not adjusted for inflation.

(a) Electric utilities and independent power producers.

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

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

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

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

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

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

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

U.S. Energy Information Administration | Short-Term Energy Outlook - July 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**	*112*	*137*	*126*	*137*	*114*	*139*	*127*	**130**	*127*	*129*
Middle Atlantic	**402**	**328**	**437**	**318**	**363**	*317*	*414*	*341*	*386*	*319*	*412*	*344*	**371**	*359*	*365*
E. N. Central	**575**	**455**	**608**	**457**	**516**	*436*	*558*	*486*	*563*	*437*	*554*	*491*	**524**	*499*	*511*
W. N. Central	**332**	**251**	**334**	**251**	**292**	*245*	*309*	*270*	*330*	*244*	*305*	*274*	**292**	*279*	*288*
S. Atlantic	**1,033**	**907**	**1,192**	**803**	**890**	*874*	*1,137*	*872*	*1,024*	*871*	*1,139*	*881*	**984**	*944*	*979*
E. S. Central	**372**	**296**	**408**	**261**	**312**	*284*	*398*	*295*	*360*	*290*	*390*	*296*	**334**	*322*	*334*
W. S. Central	**558**	**550**	**820**	**467**	**485**	*532*	*740*	*478*	*550*	*530*	*747*	*484*	**599**	*559*	*578*
Mountain	**248**	**228**	**334**	**229**	**237**	*239*	*332*	*235*	*251*	*239*	*339*	*238*	**260**	*261*	*267*
Pacific contiguous	**438**	**350**	**401**	**385**	**428**	*345*	*392*	*389*	*418*	*353*	*399*	*392*	**393**	*388*	*390*
AK and HI	**15**	**13**	**13**	**14**	**15**	*13*	*13*	*14*	*15*	*13*	*13*	*14*	**14**	*14*	*14*
Total	**4,118**	**3,493**	**4,689**	**3,302**	**3,670**	*3,395*	*4,431*	*3,504*	*4,034*	*3,409*	*4,437*	*3,539*	**3,901**	*3,751*	*3,855*
Commercial Sector															
New England	**123**	**119**	**133**	**115**	**118**	*117*	*132*	*118*	*123*	*119*	*133*	*118*	**123**	*121*	*123*
Middle Atlantic	**435**	**421**	**482**	**406**	**416**	*416*	*472*	*414*	*438*	*420*	*476*	*417*	**436**	*430*	*438*
E. N. Central	**496**	**484**	**551**	**473**	**476**	*488*	*539*	*484*	*508*	*481*	*543*	*488*	**501**	*497*	*505*
W. N. Central	**269**	**262**	**297**	**258**	**257**	*270*	*296*	*262*	*269*	*267*	*296*	*263*	**272**	*271*	*274*
S. Atlantic	**784**	**856**	**942**	**773**	**761**	*853*	*929*	*796*	*794*	*846*	*937*	*803*	**839**	*835*	*845*
E. S. Central	**217**	**227**	**265**	**206**	**207**	*229*	*264*	*214*	*219*	*227*	*264*	*215*	**229**	*229*	*231*
W. S. Central	**443**	**500**	**595**	**456**	**447**	*509*	*567*	*468*	*454*	*500*	*568*	*471*	**499**	*498*	*498*
Mountain	**238**	**249**	**287**	**243**	**233**	*261*	*289*	*247*	*240*	*263*	*292*	*249*	**254**	*258*	*261*
Pacific contiguous	**430**	**429**	**482**	**438**	**430**	*439*	*488*	*441*	*430*	*439*	*491*	*443*	**445**	*450*	*451*
AK and HI	**18**	**17**	**17**	**17**	**17**	*16*	*17*	*17*	*17*	*17*	*17*	*18*	**17**	*17*	*17*
Total	**3,453**	**3,564**	**4,052**	**3,386**	**3,364**	*3,598*	*3,993*	*3,461*	*3,492*	*3,580*	*4,019*	*3,486*	**3,614**	*3,605*	*3,645*
Industrial Sector															
New England	**75**	**76**	**81**	**73**	**73**	*74*	*79*	*73*	*71*	*73*	*78*	*71*	**76**	*75*	*73*
Middle Atlantic	**199**	**192**	**196**	**187**	**186**	*184*	*187*	*179*	*186*	*182*	*184*	*179*	**194**	*184*	*183*
E. N. Central	**540**	**541**	**567**	**536**	**546**	*552*	*565*	*540*	*546*	*544*	*568*	*541*	**546**	*551*	*550*
W. N. Central	**232**	**236**	**253**	**237**	**234**	*242*	*257*	*241*	*238*	*238*	*256*	*240*	**240**	*244*	*243*
S. Atlantic	**370**	**394**	**401**	**373**	**372**	*401*	*400*	*374*	*371*	*395*	*401*	*374*	**384**	*387*	*385*
E. S. Central	**342**	**320**	**336**	**336**	**345**	*348*	*351*	*350*	*347*	*342*	*346*	*352*	**334**	*349*	*347*
W. S. Central	**415**	**441**	**456**	**422**	**410**	*441*	*474*	*436*	*418*	*433*	*466*	*427*	**434**	*440*	*436*
Mountain	**204**	**219**	**239**	**215**	**206**	*228*	*246*	*219*	*208*	*225*	*249*	*221*	**219**	*225*	*226*
Pacific contiguous	**221**	**233**	**247**	**228**	**220**	*231*	*248*	*232*	*223*	*233*	*248*	*231*	**232**	*233*	*234*
AK and HI	**14**	**13**	**14**	**14**	**14**	*14*	*14*	*14*	*13*	*14*	*15*	*14*	**14**	*14*	*14*
Total	**2,612**	**2,666**	**2,791**	**2,620**	**2,607**	*2,714*	*2,821*	*2,657*	*2,622*	*2,678*	*2,810*	*2,650*	**2,673**	*2,700*	*2,690*
Total All Sectors (a)															
New England	**344**	**311**	**359**	**307**	**326**	*304*	*350*	*318*	*333*	*307*	*352*	*318*	**330**	*324*	*327*
Middle Atlantic	**1,048**	**952**	**1,126**	**921**	**977**	*927*	*1,086*	*946*	*1,022*	*934*	*1,086*	*953*	**1,012**	*984*	*999*
E. N. Central	**1,613**	**1,482**	**1,728**	**1,468**	**1,541**	*1,477*	*1,662*	*1,511*	*1,618*	*1,464*	*1,667*	*1,522*	**1,573**	*1,548*	*1,568*
W. N. Central	**834**	**749**	**884**	**746**	**783**	*757*	*863*	*772*	*836*	*749*	*857*	*776*	**803**	*794*	*805*
S. Atlantic	**2,191**	**2,161**	**2,539**	**1,952**	**2,027**	*2,131*	*2,470*	*2,045*	*2,193*	*2,115*	*2,480*	*2,061*	**2,211**	*2,169*	*2,213*
E. S. Central	**931**	**844**	**1,009**	**803**	**864**	*861*	*1,013*	*859*	*927*	*858*	*1,000*	*863*	**897**	*899*	*912*
W. S. Central	**1,417**	**1,491**	**1,871**	**1,346**	**1,342**	*1,482*	*1,782*	*1,382*	*1,422*	*1,463*	*1,781*	*1,382*	**1,532**	*1,498*	*1,513*
Mountain	**691**	**696**	**860**	**687**	**676**	*728*	*867*	*700*	*700*	*728*	*880*	*708*	**734**	*743*	*754*
Pacific contiguous	**1,090**	**1,015**	**1,132**	**1,054**	**1,081**	*1,017*	*1,130*	*1,065*	*1,074*	*1,027*	*1,140*	*1,069*	**1,073**	*1,073*	*1,078*
AK and HI	**46**	**43**	**44**	**45**	**45**	*43*	*44*	*46*	*46*	*44*	*45*	*46*	**45**	*45*	*45*
Total	**10,206**	**9,743**	**11,553**	**9,328**	**9,663**	*9,727*	*11,267*	*9,644*	*10,171*	*9,689*	*11,289*	*9,697*	**10,209**	*10,077*	*10,213*

- = 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 - July 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**	*16.02*	*16.29*	*16.26*	*16.04*	*16.31*	*16.08*	*15.99*	**15.98**	*16.15*	*16.10*
Middle Atlantic	**15.16**	**15.98**	**16.48**	**15.76**	**14.94**	*15.58*	*16.46*	*15.60*	*15.22*	*16.52*	*17.37*	*15.96*	**15.86**	*15.68*	*16.29*
E. N. Central	**10.98**	**12.04**	**12.20**	**11.93**	**11.69**	*12.65*	*12.84*	*12.25*	*11.73*	*12.97*	*13.04*	*12.59*	**11.78**	*12.36*	*12.56*
W. N. Central	**9.01**	**10.52**	**11.16**	**9.80**	**9.61**	*10.98*	*11.52*	*9.88*	*9.44*	*11.08*	*11.64*	*10.23*	**10.13**	*10.51*	*10.56*
S. Atlantic	**10.73**	**11.43**	**11.62**	**11.23**	**11.13**	*11.66*	*11.93*	*11.38*	*10.73*	*11.52*	*11.82*	*11.38*	**11.26**	*11.55*	*11.37*
E. S. Central	**9.60**	**10.21**	**10.23**	**10.51**	**9.91**	*10.38*	*10.50*	*10.20*	*9.60*	*10.35*	*10.38*	*10.42*	**10.11**	*10.26*	*10.17*
W. S. Central	**10.01**	**10.76**	**10.79**	**10.53**	**10.31**	*10.69*	*10.75*	*10.40*	*10.03*	*10.72*	*10.71*	*10.29*	**10.55**	*10.57*	*10.46*
Mountain	**9.75**	**10.83**	**11.23**	**10.21**	**10.11**	*11.12*	*11.46*	*10.44*	*10.01*	*11.16*	*11.61*	*10.57*	**10.57**	*10.85*	*10.90*
Pacific	**12.18**	**12.53**	**13.70**	**12.56**	**12.30**	*12.90*	*14.08*	*12.41*	*12.30*	*12.95*	*14.25*	*12.82*	**12.74**	*12.91*	*13.08*
U.S. Average	**11.19**	**11.95**	**12.18**	**11.82**	**11.57**	*12.15*	*12.46*	*11.86*	*11.35*	*12.27*	*12.55*	*12.02*	**11.79**	*12.03*	*12.06*
Commercial Sector															
New England	**14.38**	**14.37**	**14.49**	**14.05**	**13.98**	*13.99*	*14.21*	*14.19*	*14.02*	*13.95*	*14.22*	*13.87*	**14.33**	*14.10*	*14.02*
Middle Atlantic	**13.23**	**13.76**	**14.52**	**13.00**	**12.57**	*13.21*	*14.08*	*12.80*	*12.87*	*13.62*	*14.54*	*13.08*	**13.66**	*13.20*	*13.56*
E. N. Central	**9.30**	**9.62**	**9.63**	**9.34**	**9.51**	*9.67*	*9.78*	*9.49*	*9.39*	*9.65*	*9.78*	*9.54*	**9.48**	*9.62*	*9.59*
W. N. Central	**7.60**	**8.47**	**8.96**	**7.77**	**7.89**	*8.53*	*8.98*	*7.83*	*7.67*	*8.53*	*9.10*	*7.93*	**8.23**	*8.33*	*8.33*
S. Atlantic	**9.40**	**9.51**	**9.62**	**9.53**	**9.48**	*9.51*	*9.65*	*9.52*	*9.49*	*9.58*	*9.81*	*9.74*	**9.52**	*9.54*	*9.66*
E. S. Central	**9.54**	**9.73**	**9.81**	**9.79**	**9.67**	*9.68*	*9.84*	*9.90*	*9.58*	*9.76*	*9.92*	*9.98*	**9.72**	*9.78*	*9.81*
W. S. Central	**8.55**	**8.65**	**8.90**	**8.43**	**8.29**	*8.25*	*8.41*	*8.38*	*8.49*	*8.62*	*8.70*	*8.36*	**8.65**	*8.34*	*8.55*
Mountain	**8.25**	**9.01**	**9.29**	**8.66**	**8.40**	*9.02*	*9.34*	*8.72*	*8.46*	*9.22*	*9.50*	*8.88*	**8.83**	*8.90*	*9.04*
Pacific	**10.89**	**12.29**	**13.71**	**11.46**	**10.83**	*11.99*	*13.61*	*11.41*	*10.78*	*12.10*	*13.64*	*11.54*	**12.14**	*12.01*	*12.07*
U.S. Average	**9.97**	**10.38**	**10.76**	**10.07**	**9.93**	*10.21*	*10.66*	*10.07*	*9.96*	*10.37*	*10.83*	*10.20*	**10.32**	*10.24*	*10.36*
Industrial Sector															
New England	**12.67**	**12.61**	**12.99**	**12.41**	**12.09**	*12.06*	*12.10*	*12.19*	*12.37*	*12.08*	*12.40*	*12.05*	**12.68**	*12.11*	*12.23*
Middle Atlantic	**8.46**	**8.21**	**8.34**	**7.67**	**7.53**	*7.82*	*8.20*	*7.67*	*7.82*	*7.95*	*8.15*	*7.63*	**8.17**	*7.81*	*7.89*
E. N. Central	**6.45**	**6.56**	**6.78**	**6.54**	**6.49**	*6.63*	*6.88*	*6.55*	*6.42*	*6.55*	*6.79*	*6.52*	**6.59**	*6.64*	*6.58*
W. N. Central	**5.77**	**6.13**	**6.64**	**5.78**	**5.92**	*6.22*	*6.64*	*5.88*	*5.88*	*6.26*	*6.86*	*5.98*	**6.09**	*6.18*	*6.26*
S. Atlantic	**6.52**	**6.76**	**7.11**	**6.57**	**6.41**	*6.63*	*7.00*	*6.59*	*6.47*	*6.64*	*7.08*	*6.72*	**6.75**	*6.66*	*6.73*
E. S. Central	**5.81**	**6.16**	**6.82**	**5.94**	**5.79**	*6.06*	*6.60*	*5.88*	*5.80*	*6.12*	*6.54*	*6.10*	**6.18**	*6.09*	*6.14*
W. S. Central	**5.78**	**6.03**	**6.63**	**5.77**	**5.47**	*5.39*	*5.83*	*5.31*	*5.35*	*5.67*	*6.14*	*5.57*	**6.07**	*5.51*	*5.70*
Mountain	**5.59**	**6.08**	**6.87**	**5.80**	**5.66**	*6.12*	*6.88*	*5.81*	*5.89*	*6.40*	*7.13*	*6.08*	**6.11**	*6.15*	*6.41*
Pacific	**7.34**	**7.73**	**8.70**	**7.82**	**7.30**	*7.59*	*8.28*	*7.45*	*7.02*	*7.46*	*8.33*	*7.53*	**7.92**	*7.67*	*7.61*
U.S. Average	**6.63**	**6.86**	**7.36**	**6.68**	**6.51**	*6.69*	*7.13*	*6.56*	*6.50*	*6.76*	*7.22*	*6.67*	**6.89**	*6.73*	*6.80*
All Sectors (a)															
New England	**14.63**	**14.55**	**14.70**	**14.34**	**14.35**	*14.24*	*14.52*	*14.52*	*14.47*	*14.36*	*14.53*	*14.28*	**14.56**	*14.41*	*14.41*
Middle Atlantic	**13.05**	**13.39**	**14.19**	**12.86**	**12.48**	*12.94*	*13.95*	*12.82*	*12.82*	*13.48*	*14.50*	*13.06*	**13.41**	*13.08*	*13.49*
E. N. Central	**8.94**	**9.24**	**9.60**	**9.12**	**9.16**	*9.41*	*9.82*	*9.32*	*9.20*	*9.49*	*9.84*	*9.45*	**9.24**	*9.44*	*9.50*
W. N. Central	**7.65**	**8.42**	**9.13**	**7.82**	**7.94**	*8.58*	*9.19*	*7.94*	*7.86*	*8.64*	*9.33*	*8.14*	**8.28**	*8.43*	*8.50*
S. Atlantic	**9.54**	**9.81**	**10.17**	**9.66**	**9.64**	*9.85*	*10.27*	*9.78*	*9.56*	*9.83*	*10.30*	*9.90*	**9.81**	*9.90*	*9.91*
E. S. Central	**8.19**	**8.54**	**8.99**	**8.42**	**8.20**	*8.45*	*8.98*	*8.37*	*8.17*	*8.51*	*8.93*	*8.55*	**8.55**	*8.52*	*8.55*
W. S. Central	**8.31**	**8.65**	**9.18**	**8.32**	**8.16**	*8.28*	*8.70*	*8.11*	*8.16*	*8.51*	*8.87*	*8.17*	**8.66**	*8.34*	*8.46*
Mountain	**8.00**	**8.68**	**9.37**	**8.28**	**8.17**	*8.80*	*9.46*	*8.39*	*8.25*	*8.99*	*9.64*	*8.57*	**8.63**	*8.75*	*8.91*
Pacific	**10.68**	**11.32**	**12.61**	**11.06**	**10.68**	*11.29*	*12.59*	*10.90*	*10.58*	*11.33*	*12.69*	*11.13*	**11.44**	*11.39*	*11.46*
U.S. Average	**9.61**	**9.98**	**10.52**	**9.74**	**9.63**	*9.90*	*10.49*	*9.76*	*9.62*	*10.04*	*10.61*	*9.90*	**9.98**	*9.97*	*10.06*

- = 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 - July 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**	*3.673*	*4.458*	*4.165*	*4.292*	*3.759*	*4.290*	*3.967*	**4.698**	*4.022*	*4.077*
Natural Gas	**2.062**	**2.377**	**3.360**	**2.386**	**2.781**	*3.246*	*3.913*	*2.761*	*2.676*	*2.944*	*4.028*	*2.924*	**2.550**	*3.176*	*3.146*
Other Gases	**0.008**	**0.009**	**0.010**	**0.009**	**0.012**	*0.008*	*0.009*	*0.009*	*0.014*	*0.009*	*0.010*	*0.010*	**0.009**	*0.010*	*0.010*
Petroleum	**0.082**	**0.071**	**0.078**	**0.057**	**0.053**	*0.055*	*0.068*	*0.061*	*0.071*	*0.069*	*0.076*	*0.066*	**0.072**	*0.059*	*0.070*
Residual Fuel Oil	**0.025**	**0.025**	**0.026**	**0.019**	**0.018**	*0.021*	*0.027*	*0.019*	*0.021*	*0.024*	*0.026*	*0.020*	**0.024**	*0.021*	*0.023*
Distillate Fuel Oil	**0.017**	**0.017**	**0.016**	**0.012**	**0.011**	*0.014*	*0.013*	*0.013*	*0.016*	*0.012*	*0.013*	*0.013*	**0.016**	*0.013*	*0.014*
Petroleum Coke	**0.037**	**0.027**	**0.035**	**0.023**	**0.022**	*0.017*	*0.026*	*0.027*	*0.030*	*0.030*	*0.034*	*0.030*	**0.030**	*0.023*	*0.031*
Other Petroleum	**0.003**	**0.002**	**0.002**	**0.002**	**0.002**	*0.002*	*0.003*	*0.003*	*0.004*	*0.002*	*0.003*	*0.003*	**0.002**	*0.002*	*0.003*
Nuclear	**2.258**	**1.943**	**2.288**	**2.170**	**2.175**	*2.018*	*2.184*	*2.071*	*2.233*	*2.161*	*2.298*	*2.132*	**2.165**	*2.112*	*2.206*
Pumped Storage Hydroelectric	**-0.011**	**-0.016**	**-0.021**	**-0.016**	**-0.009**	*-0.012*	*-0.020*	*-0.017*	*-0.016*	*-0.014*	*-0.020*	*-0.017*	**-0.016**	*-0.015*	*-0.017*
Renewables:															
Conventional Hydroelectric	**0.912**	**1.059**	**0.859**	**0.714**	**0.775**	*0.960*	*0.766*	*0.650*	*0.756*	*0.878*	*0.696*	*0.642*	**0.885**	*0.787*	*0.743*
Geothermal	**0.047**	**0.045**	**0.044**	**0.046**	**0.047**	*0.046*	*0.047*	*0.047*	*0.048*	*0.046*	*0.047*	*0.047*	**0.046**	*0.047*	*0.047*
Solar	**0.002**	**0.007**	**0.007**	**0.004**	**0.004**	*0.014*	*0.016*	*0.007*	*0.009*	*0.023*	*0.024*	*0.010*	**0.005**	*0.010*	*0.016*
Wind	**0.330**	**0.384**	**0.235**	**0.363**	**0.422**	*0.399*	*0.309*	*0.398*	*0.434*	*0.471*	*0.345*	*0.422*	**0.328**	*0.382*	*0.418*
Wood and Wood Waste	**0.030**	**0.026**	**0.032**	**0.027**	**0.029**	*0.024*	*0.032*	*0.031*	*0.034*	*0.030*	*0.036*	*0.036*	**0.029**	*0.029*	*0.034*
Other Renewables	**0.044**	**0.048**	**0.048**	**0.048**	**0.045**	*0.047*	*0.049*	*0.048*	*0.049*	*0.050*	*0.052*	*0.050*	**0.047**	*0.047*	*0.050*
Other Fuels (b)	**0.018**	**0.020**	**0.020**	**0.019**	**0.019**	*0.020*	*0.020*	*0.020*	*0.020*	*0.020*	*0.020*	*0.020*	**0.019**	*0.020*	*0.020*
Subtotal Electric Power Sector	**10.660**	**10.539**	**12.220**	**9.917**	**10.138**	*10.499*	*11.852*	*10.252*	*10.619*	*10.445*	*11.902*	*10.308*	**10.836**	*10.687*	*10.821*
Commercial Sector (c)															
Coal	**0.003**	**0.003**	**0.003**	**0.002**	**0.003**	*0.002*	*0.002*	*0.002*	*0.002*	*0.002*	*0.002*	*0.002*	**0.003**	*0.002*	*0.002*
Natural Gas	**0.012**	**0.012**	**0.013**	**0.012**	**0.012**	*0.012*	*0.013*	*0.012*	*0.012*	*0.012*	*0.013*	*0.012*	**0.012**	*0.012*	*0.012*
Petroleum	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	**0.000**	*0.000*	*0.000*
Renewables (d)	**0.004**	**0.005**	**0.005**	**0.005**	**0.005**	*0.005*	*0.005*	*0.005*	*0.005*	*0.005*	*0.005*	*0.005*	**0.005**	*0.005*	*0.005*
Other Fuels (b)	**0.002**	**0.002**	**0.003**	**0.002**	**0.002**	*0.002*	*0.002*	*0.002*	*0.002*	*0.002*	*0.002*	*0.002*	**0.002**	*0.002*	*0.002*
Subtotal Commercial Sector	**0.023**	**0.022**	**0.024**	**0.023**	**0.022**	*0.022*	*0.023*	*0.022*	*0.022*	*0.022*	*0.023*	*0.022*	**0.023**	*0.022*	*0.022*
Industrial Sector (c)															
Coal	**0.051**	**0.048**	**0.057**	**0.046**	**0.048**	*0.043*	*0.049*	*0.045*	*0.046*	*0.045*	*0.048*	*0.045*	**0.050**	*0.046*	*0.046*
Natural Gas	**0.220**	**0.220**	**0.229**	**0.224**	**0.231**	*0.219*	*0.234*	*0.221*	*0.224*	*0.216*	*0.233*	*0.219*	**0.223**	*0.226*	*0.223*
Other Gases	**0.021**	**0.022**	**0.023**	**0.023**	**0.024**	*0.024*	*0.024*	*0.023*	*0.023*	*0.023*	*0.024*	*0.023*	**0.022**	*0.024*	*0.023*
Petroleum	**0.006**	**0.005**	**0.005**	**0.004**	**0.007**	*0.006*	*0.006*	*0.006*	*0.006*	*0.006*	*0.006*	*0.006*	**0.005**	*0.006*	*0.006*
Renewables:															
Conventional Hydroelectric	**0.005**	**0.006**	**0.004**	**0.005**	**0.006**	*0.005*	*0.005*	*0.005*	*0.005*	*0.005*	*0.005*	*0.005*	**0.005**	*0.005*	*0.005*
Wood and Wood Waste	**0.072**	**0.071**	**0.074**	**0.073**	**0.071**	*0.066*	*0.071*	*0.067*	*0.068*	*0.066*	*0.071*	*0.066*	**0.072**	*0.069*	*0.068*
Other Renewables (e)	**0.002**	**0.002**	**0.002**	**0.002**	**0.002**	*0.002*	*0.002*	*0.002*	*0.002*	*0.002*	*0.002*	*0.002*	**0.002**	*0.002*	*0.002*
Other Fuels (b)	**0.009**	**0.009**	**0.009**	**0.009**	**0.008**	*0.008*	*0.009*	*0.008*	*0.008*	*0.008*	*0.009*	*0.008*	**0.009**	*0.008*	*0.008*
Subtotal Industrial Sector	**0.387**	**0.383**	**0.403**	**0.386**	**0.398**	*0.374*	*0.401*	*0.377*	*0.383*	*0.370*	*0.398*	*0.374*	**0.390**	*0.388*	*0.382*
Total All Sectors	**11.070**	**10.944**	**12.647**	**10.326**	**10.558**	*10.895*	*12.276*	*10.651*	*11.024*	*10.837*	*12.324*	*10.704*	**11.249**	*11.097*	*11.224*

- = 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 - July 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**	*1.98*	*2.40*	*2.23*	*2.27*	*1.99*	*2.29*	*2.11*	**2.53**	*2.17*	*2.17*
Natural Gas (bcf/d)	**15.83**	**19.02**	**26.82**	**17.99**	**20.89**	*25.36*	*30.28*	*20.48*	*19.64*	*22.35*	*30.68*	*21.40*	**19.94**	*24.26*	*23.54*
Petroleum (mmb/d) (b)	**0.15**	**0.13**	**0.14**	**0.10**	**0.10**	*0.10*	*0.12*	*0.11*	*0.13*	*0.12*	*0.14*	*0.12*	**0.13**	*0.11*	*0.13*
Residual Fuel Oil (mmb/d)	**0.04**	**0.04**	**0.04**	**0.03**	**0.03**	*0.03*	*0.04*	*0.03*	*0.03*	*0.04*	*0.04*	*0.03*	**0.04**	*0.03*	*0.04*
Distillate Fuel Oil (mmb/d)	**0.03**	**0.03**	**0.03**	**0.02**	**0.02**	*0.03*	*0.03*	*0.02*	*0.03*	*0.02*	*0.03*	*0.02*	**0.03**	*0.02*	*0.03*
Petroleum Coke (mmst/d)	**0.07**	**0.05**	**0.07**	**0.05**	**0.04**	*0.03*	*0.05*	*0.05*	*0.06*	*0.06*	*0.06*	*0.06*	**0.06**	*0.04*	*0.06*
Other Petroleum (mmb/d)	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	*0.00*	*0.01*	*0.01*	*0.01*	*0.00*	*0.01*	*0.01*	**0.00**	*0.00*	*0.01*
Commercial Sector (c)															
Coal (mmst/d)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	**0.00**	*0.00*	*0.00*
Natural Gas (bcf/d)	**0.10**	**0.10**	**0.11**	**0.10**	**0.10**	*0.10*	*0.11*	*0.10*	*0.09*	*0.10*	*0.11*	*0.10*	**0.10**	*0.10*	*0.10*
Petroleum (mmb/d) (b)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	**0.00**	*0.00*	*0.00*
Industrial Sector (c)															
Coal (mmst/d)	**0.02**	**0.02**	**0.03**	**0.02**	**0.02**	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	**0.02**	*0.02*	*0.02*
Natural Gas (bcf/d)	**1.52**	**1.54**	**1.59**	**1.54**	**1.57**	*1.56*	*1.64*	*1.49*	*1.49*	*1.47*	*1.60*	*1.47*	**1.55**	*1.56*	*1.51*
Petroleum (mmb/d) (b)	**0.01**	**0.01**	**0.01**	**0.00**	**0.01**	*0.01*	*0.01*	*0.00*	*0.01*	*0.01*	*0.01*	*0.00*	**0.01**	*0.01*	*0.01*
Total All Sectors															
Coal (mmst/d)	**2.62**	**2.47**	**2.86**	**2.28**	**2.10**	*1.99*	*2.43*	*2.25*	*2.29*	*2.02*	*2.32*	*2.13*	**2.56**	*2.19*	*2.19*
Natural Gas (bcf/d)	**17.45**	**20.66**	**28.51**	**19.64**	**22.55**	*27.01*	*32.02*	*22.06*	*21.22*	*23.91*	*32.38*	*22.96*	**21.59**	*25.92*	*25.14*
Petroleum (mmb/d) (b)	**0.16**	**0.13**	**0.15**	**0.11**	**0.11**	*0.11*	*0.13*	*0.12*	*0.14*	*0.13*	*0.15*	*0.12*	**0.14**	*0.12*	*0.14*
End-of-period Fuel Inventories Held by Electric Power Sector															
Coal (mmst)	**166.7**	**165.7**	**144.4**	**175.1**	**196.4**	*206.7*	*194.7*	*199.8*	*195.2*	*205.9*	*193.9*	*199.1*	**175.1**	*199.8*	*199.1*
Residual Fuel Oil (mmb)	**15.4**	**16.4**	**15.7**	**15.5**	**15.3**	*16.7*	*15.9*	*15.3*	*14.5*	*15.7*	*14.9*	*14.3*	**15.5**	*15.3*	*14.3*
Distillate Fuel Oil (mmb)	**16.5**	**16.8**	**16.7**	**17.1**	**16.9**	*16.9*	*17.1*	*17.2*	*16.7*	*16.6*	*16.7*	*16.9*	**17.1**	*17.2*	*16.9*
Petroleum Coke (mmb)	**2.4**	**2.5**	**1.9**	**2.3**	**2.0**	*2.5*	*2.6*	*2.6*	*2.9*	*2.9*	*3.0*	*2.9*	**2.3**	*2.6*	*2.9*

- = 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 - July 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**	*0.857*	*0.692*	*0.589*	*0.669*	*0.784*	*0.630*	*0.581*	**3.171**	*2.831*	*2.665*
Wood Biomass (b)	**0.495**	**0.486**	**0.504**	**0.502**	**0.494**	*0.465*	*0.496*	*0.498*	*0.484*	*0.476*	*0.504*	*0.508*	**1.987**	*1.954*	*1.972*
Waste Biomass (c)	**0.116**	**0.118**	**0.121**	**0.123**	**0.117**	*0.118*	*0.125*	*0.121*	*0.120*	*0.122*	*0.129*	*0.123*	**0.477**	*0.481*	*0.494*
Wind	**0.290**	**0.341**	**0.211**	**0.326**	**0.375**	*0.355*	*0.277*	*0.357*	*0.381*	*0.418*	*0.309*	*0.379*	**1.168**	*1.364*	*1.488*
Geothermal	**0.057**	**0.056**	**0.056**	**0.057**	**0.057**	*0.057*	*0.058*	*0.058*	*0.058*	*0.057*	*0.058*	*0.058*	**0.226**	*0.230*	*0.231*
Solar	**0.037**	**0.041**	**0.042**	**0.039**	**0.046**	*0.054*	*0.057*	*0.049*	*0.058*	*0.071*	*0.073*	*0.060*	**0.158**	*0.206*	*0.263*
Ethanol (d)	**0.292**	**0.290**	**0.293**	**0.307**	**0.297**	*0.289*	*0.294*	*0.295*	*0.290*	*0.292*	*0.295*	*0.294*	**1.183**	*1.174*	*1.171*
Biodiesel (d)	**0.017**	**0.029**	**0.036**	**0.041**	**0.031**	*0.035*	*0.036*	*0.036*	*0.036*	*0.037*	*0.038*	*0.037*	**0.123**	*0.138*	*0.148*
Total	**2.110**	**2.308**	**2.038**	**2.039**	**2.110**	*2.237*	*2.035*	*2.003*	*2.096*	*2.257*	*2.036*	*2.041*	**8.495**	*8.386*	*8.431*
Consumption															
Electric Power Sector															
Hydroelectric Power (a)	**0.801**	**0.941**	**0.771**	**0.641**	**0.688**	*0.853*	*0.688*	*0.584*	*0.664*	*0.779*	*0.625*	*0.576*	**3.154**	*2.812*	*2.646*
Wood Biomass (b)	**0.046**	**0.040**	**0.047**	**0.042**	**0.045**	*0.036*	*0.049*	*0.049*	*0.051*	*0.047*	*0.057*	*0.056*	**0.175**	*0.179*	*0.210*
Waste Biomass (c)	**0.064**	**0.067**	**0.069**	**0.069**	**0.066**	*0.067*	*0.070*	*0.069*	*0.069*	*0.072*	*0.074*	*0.072*	**0.269**	*0.272*	*0.287*
Wind	**0.290**	**0.341**	**0.211**	**0.326**	**0.375**	*0.355*	*0.277*	*0.357*	*0.381*	*0.418*	*0.309*	*0.379*	**1.168**	*1.364*	*1.488*
Geothermal	**0.042**	**0.040**	**0.040**	**0.041**	**0.041**	*0.041*	*0.042*	*0.042*	*0.042*	*0.041*	*0.042*	*0.042*	**0.163**	*0.167*	*0.167*
Solar	**0.002**	**0.006**	**0.006**	**0.003**	**0.004**	*0.012*	*0.014*	*0.006*	*0.008*	*0.020*	*0.021*	*0.009*	**0.018**	*0.037*	*0.058*
Subtotal	**1.245**	**1.435**	**1.145**	**1.122**	**1.219**	*1.369*	*1.142*	*1.107*	*1.215*	*1.377*	*1.130*	*1.134*	**4.947**	*4.837*	*4.857*
Industrial Sector															
Hydroelectric Power (a)	**0.005**	**0.005**	**0.003**	**0.005**	**0.005**	*0.004*	*0.005*	*0.005*	*0.005*	*0.004*	*0.005*	*0.005*	**0.018**	*0.019*	*0.019*
Wood Biomass (b)	**0.325**	**0.322**	**0.331**	**0.334**	**0.325**	*0.305*	*0.321*	*0.326*	*0.313*	*0.309*	*0.324*	*0.330*	**1.311**	*1.277*	*1.276*
Waste Biomass (c)	**0.043**	**0.042**	**0.043**	**0.044**	**0.043**	*0.042*	*0.046*	*0.043*	*0.042*	*0.041*	*0.045*	*0.042*	**0.172**	*0.173*	*0.171*
Geothermal	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	*0.001*	*0.001*	*0.001*	*0.001*	*0.001*	*0.001*	*0.001*	**0.004**	*0.004*	*0.004*
Subtotal	**0.378**	**0.375**	**0.383**	**0.388**	**0.378**	*0.357*	*0.377*	*0.379*	*0.365*	*0.360*	*0.379*	*0.382*	**1.524**	*1.491*	*1.487*
Commercial Sector															
Wood Biomass (b)	**0.017**	**0.018**	**0.018**	**0.018**	**0.018**	*0.017*	*0.018*	*0.017*	*0.017*	*0.017*	*0.018*	*0.017*	**0.071**	*0.070*	*0.069*
Waste Biomass (c)	**0.009**	**0.008**	**0.009**	**0.010**	**0.009**	*0.009*	*0.009*	*0.009*	*0.009*	*0.009*	*0.009*	*0.009*	**0.036**	*0.036*	*0.036*
Geothermal	**0.005**	**0.005**	**0.005**	**0.005**	**0.005**	*0.005*	*0.005*	*0.005*	*0.005*	*0.005*	*0.005*	*0.005*	**0.020**	*0.020*	*0.020*
Subtotal	**0.032**	**0.032**	**0.033**	**0.034**	**0.032**	*0.032*	*0.034*	*0.032*	*0.032*	*0.031*	*0.034*	*0.032*	**0.131**	*0.130*	*0.129*
Residential Sector															
Wood Biomass (b)	**0.106**	**0.107**	**0.108**	**0.108**	**0.107**	*0.106*	*0.107*	*0.107*	*0.103*	*0.104*	*0.105*	*0.105*	**0.430**	*0.426*	*0.417*
Geothermal	**0.010**	**0.010**	**0.010**	**0.010**	**0.010**	*0.010*	*0.010*	*0.010*	*0.010*	*0.010*	*0.010*	*0.010*	**0.040**	*0.040*	*0.040*
Solar	**0.035**	**0.035**	**0.035**	**0.035**	**0.042**	*0.042*	*0.043*	*0.043*	*0.050*	*0.051*	*0.052*	*0.052*	**0.140**	*0.170*	*0.205*
Subtotal	**0.150**	**0.152**	**0.154**	**0.154**	**0.159**	*0.158*	*0.159*	*0.159*	*0.163*	*0.165*	*0.167*	*0.167*	**0.610**	*0.636*	*0.661*
Transportation Sector															
Ethanol (d)	**0.263**	**0.277**	**0.276**	**0.275**	**0.262**	*0.282*	*0.272*	*0.278*	*0.264*	*0.276*	*0.276*	*0.275*	**1.091**	*1.093*	*1.092*
Biodiesel (d)	**0.013**	**0.026**	**0.035**	**0.038**	**0.023**	*0.034*	*0.035*	*0.036*	*0.035*	*0.037*	*0.038*	*0.037*	**0.113**	*0.128*	*0.147*
Total Consumption	**2.077**	**2.292**	**2.020**	**2.004**	**2.067**	*2.222*	*2.013*	*1.986*	*2.070*	*2.242*	*2.017*	*2.022*	**8.393**	*8.288*	*8.351*

- = 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 CO_2 Emissions

U.S. Energy Information Administration | Short-Term Energy Outlook - July 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**	**13,491**	*13,554*	*13,618*	*13,682*	*13,744*	*13,805*	*13,875*	*13,959*	**13,315**	*13,586*	*13,846*
Real Disposable Personal Income															
(billion chained 2005 Dollars - SAAR)	**10,183**	**10,170**	**10,189**	**10,193**	**10,204**	*10,255*	*10,325*	*10,368*	*10,401*	*10,451*	*10,495*	*10,560*	**10,184**	*10,288*	*10,477*
Real Fixed Investment															
(billion chained 2005 dollars-SAAR)	**1,699**	**1,737**	**1,790**	**1,818**	**1,840**	*1,867*	*1,899*	*1,926*	*1,953*	*1,984*	*2,020*	*2,062*	**1,761**	*1,883*	*2,005*
Business Inventory Change															
(billion chained 2005 dollars-SAAR)	**33.28**	**24.16**	**11.34**	**32.98**	**15.04**	*10.31*	*15.18*	*12.91*	*9.56*	*6.71*	*4.61*	*7.64*	**25.44**	*13.36*	*7.13*
Housing Stock															
(millions)	**123.5**	**123.5**	**123.5**	**123.5**	**123.6**	*123.6*	*123.6*	*123.6*	*123.7*	*123.7*	*123.8*	*123.9*	**123.5**	*123.6*	*123.9*
Non-Farm Employment															
(millions)	**130.7**	**131.2**	**131.5**	**132.0**	**132.7**	*133.0*	*133.4*	*133.8*	*134.2*	*134.6*	*135.1*	*135.5*	**131.4**	*133.2*	*134.8*
Commercial Employment															
(millions)	**88.7**	**89.2**	**89.5**	**90.0**	**90.5**	*90.8*	*91.2*	*91.6*	*92.0*	*92.3*	*92.7*	*93.0*	**89.4**	*91.0*	*92.5*
Industrial Production Indices (Index, 2007=100)															
Total Industrial Production	**92.6**	**92.9**	**94.2**	**95.3**	**96.6**	*97.3*	*97.6*	*98.0*	*98.5*	*99.0*	*99.6*	*100.3*	**93.7**	*97.4*	*99.4*
Manufacturing	**90.4**	**90.6**	**91.7**	**92.9**	**95.2**	*95.5*	*96.2*	*96.6*	*97.3*	*97.9*	*98.6*	*99.3*	**91.4**	*95.9*	*98.3*
Food	**99.5**	**100.3**	**100.4**	**101.2**	**102.3**	*102.2*	*102.3*	*102.6*	*102.9*	*103.2*	*103.7*	*104.2*	**100.3**	*102.4*	*103.5*
Paper	**87.5**	**86.0**	**85.0**	**85.3**	**85.7**	*86.5*	*86.8*	*86.8*	*86.8*	*87.0*	*87.6*	*88.3*	**86.0**	*86.4*	*87.4*
Chemicals	**87.2**	**86.2**	**86.6**	**86.8**	**87.6**	*87.8*	*88.3*	*88.4*	*88.5*	*88.9*	*89.5*	*90.1*	**86.7**	*88.0*	*89.3*
Petroleum	**94.7**	**96.6**	**100.8**	**102.0**	**102.2**	*101.4*	*101.8*	*101.8*	*102.0*	*102.3*	*102.5*	*102.6*	**98.5**	*101.8*	*102.4*
Stone, Clay, Glass	**69.1**	**71.3**	**72.3**	**71.1**	**72.4**	*72.9*	*73.1*	*73.5*	*74.5*	*76.4*	*78.7*	*81.2*	**71.0**	*73.0*	*77.7*
Primary Metals	**95.7**	**95.3**	**95.9**	**100.2**	**103.0**	*102.2*	*102.3*	*101.8*	*101.7*	*102.9*	*104.8*	*106.8*	**96.8**	*102.3*	*104.0*
Resins and Synthetic Products	**87.1**	**80.7**	**80.7**	**80.8**	**84.5**	*83.6*	*84.7*	*84.8*	*84.5*	*84.8*	*85.6*	*86.5*	**82.3**	*84.4*	*85.3*
Agricultural Chemicals	**93.6**	**91.4**	**92.8**	**94.6**	**98.4**	*98.4*	*98.7*	*98.6*	*98.5*	*98.9*	*99.6*	*100.1*	**93.1**	*98.5*	*99.3*
Natural Gas-weighted (a)	**89.9**	**88.7**	**89.8**	**90.8**	**92.6**	*92.6*	*93.1*	*93.1*	*93.1*	*93.8*	*94.7*	*95.6*	**89.8**	*92.8*	*94.3*
Price Indexes															
Consumer Price Index (all urban consumers)															
(index, 1982-1984=1.00)	**2.22**	**2.25**	**2.26**	**2.27**	**2.28**	*2.29*	*2.30*	*2.31*	*2.31*	*2.32*	*2.34*	*2.35*	**2.25**	*2.29*	*2.33*
Producer Price Index: All Commodities															
(index, 1982=1.00)	**1.98**	**2.02**	**2.02**	**2.03**	**2.04**	*2.00*	*2.00*	*2.03*	*2.03*	*2.02*	*2.03*	*2.04*	**2.01**	*2.02*	*2.03*
Producer Price Index: Petroleum															
(index, 1982=1.00)	**2.74**	**3.22**	**3.07**	**2.94**	**3.08**	*3.05*	*2.83*	*2.77*	*2.73*	*2.79*	*2.76*	*2.74*	**2.99**	*2.93*	*2.76*
GDP Implicit Price Deflator															
(index, 2005=100)	**112.4**	**113.1**	**113.8**	**114.1**	**114.5**	*115.0*	*115.6*	*116.1*	*116.4*	*116.6*	*117.2*	*117.6*	**113.3**	*115.3*	*116.9*
Miscellaneous															
Vehicle Miles Traveled (b)															
(million miles/day)	**7,585**	**8,324**	**8,251**	**7,951**	**7,606**	*8,399*	*8,413*	*8,048*	*7,770*	*8,491*	*8,468*	*8,099*	**8,029**	*8,117*	*8,209*
Air Travel Capacity															
(Available ton-miles/day, thousands)	**519**	**549**	**554**	**527**	**515**	*553*	*552*	*528*	*524*	*553*	*556*	*533*	**537**	*537*	*542*
Aircraft Utilization															
(Revenue ton-miles/day, thousands)	**307**	**339**	**344**	**320**	**307**	*343*	*338*	*323*	*320*	*345*	*341*	*321*	**328**	*328*	*332*
Airline Ticket Price Index															
(index, 1982-1984=100)	**298.2**	**308.1**	**307.8**	**302.0**	**299.2**	*312.8*	*293.4*	*299.1*	*315.2*	*316.6*	*297.0*	*301.2*	**304.0**	*301.1*	*307.5*
Raw Steel Production															
(million short tons per day)	**0.257**	**0.261**	**0.266**	**0.264**	**0.274**	*0.278*	*0.283*	*0.278*	*0.294*	*0.303*	*0.287*	*0.280*	**0.262**	*0.278*	*0.291*
Carbon Dioxide (CO_2) Emissions (million metric tons)															
Petroleum	**571**	**575**	**578**	**575**	**555**	*565*	*582*	*576*	*556*	*571*	*581*	*577*	**2,299**	*2,279*	*2,285*
Natural Gas	**402**	**273**	**287**	**333**	**391**	*299*	*306*	*368*	*417*	*288*	*309*	*370*	**1,296**	*1,364*	*1,384*
Coal	**474**	**450**	**520**	**423**	**387**	*379*	*458*	*431*	*429*	*386*	*441*	*412*	**1,867**	*1,656*	*1,668*
Total Fossil Fuels	**1,447**	**1,298**	**1,385**	**1,331**	**1,333**	*1,243*	*1,346*	*1,375*	*1,403*	*1,245*	*1,331*	*1,358*	**5,461**	*5,298*	*5,337*

- = 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 - July 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**	**739**	*742*	*746*	*748*	*751*	*754*	*757*	*761*	**733**	*744*	*756*
Middle Atlantic	**2,011**	**2,022**	**2,027**	**2,037**	**2,048**	*2,058*	*2,069*	*2,079*	*2,088*	*2,095*	*2,103*	*2,113*	**2,024**	*2,064*	*2,100*
E. N. Central	**1,835**	**1,842**	**1,841**	**1,852**	**1,861**	*1,870*	*1,879*	*1,885*	*1,891*	*1,899*	*1,907*	*1,916*	**1,842**	*1,873*	*1,903*
W. N. Central	**852**	**854**	**854**	**865**	**869**	*874*	*878*	*881*	*885*	*888*	*893*	*897*	**856**	*875*	*891*
S. Atlantic	**2,422**	**2,435**	**2,438**	**2,458**	**2,465**	*2,477*	*2,489*	*2,500*	*2,512*	*2,525*	*2,537*	*2,554*	**2,438**	*2,483*	*2,532*
E. S. Central	**617**	**619**	**620**	**625**	**627**	*630*	*633*	*636*	*639*	*642*	*645*	*649*	**620**	*632*	*644*
W. S. Central	**1,516**	**1,516**	**1,552**	**1,560**	**1,571**	*1,576*	*1,581*	*1,592*	*1,602*	*1,613*	*1,626*	*1,640*	**1,536**	*1,580*	*1,620*
Mountain	**863**	**864**	**872**	**877**	**881**	*885*	*889*	*894*	*899*	*903*	*908*	*915*	**869**	*887*	*906*
Pacific	**2,319**	**2,323**	**2,330**	**2,356**	**2,365**	*2,377*	*2,389*	*2,400*	*2,410*	*2,419*	*2,432*	*2,447*	**2,332**	*2,383*	*2,427*
Industrial Output, Manufacturing (Index, Year 2007=100)															
New England	**92.2**	**91.9**	**92.9**	**93.8**	**95.5**	*95.5*	*96.0*	*96.2*	*96.8*	*97.2*	*97.7*	*98.2*	**92.7**	*95.8*	*97.5*
Middle Atlantic	**90.0**	**89.9**	**90.5**	**91.3**	**93.5**	*93.8*	*94.4*	*94.6*	*95.0*	*95.4*	*96.0*	*96.6*	**90.4**	*94.1*	*95.8*
E. N. Central	**89.5**	**90.0**	**91.3**	**92.6**	**95.6**	*96.1*	*96.9*	*97.5*	*98.1*	*98.9*	*99.7*	*100.5*	**90.9**	*96.5*	*99.3*
W. N. Central	**93.0**	**93.4**	**94.8**	**96.3**	**99.1**	*99.5*	*100.2*	*100.6*	*101.1*	*101.6*	*102.5*	*103.3*	**94.4**	*99.8*	*102.1*
S. Atlantic	**87.3**	**87.2**	**88.3**	**89.5**	**91.3**	*91.4*	*92.0*	*92.4*	*93.0*	*93.5*	*94.1*	*94.8*	**88.1**	*91.8*	*93.8*
E. S. Central	**86.2**	**86.2**	**87.1**	**88.7**	**90.5**	*90.9*	*91.9*	*92.7*	*93.5*	*94.3*	*95.3*	*96.3*	**87.0**	*91.5*	*94.8*
W. S. Central	**93.6**	**94.1**	**95.4**	**97.0**	**99.3**	*99.9*	*100.6*	*101.2*	*101.8*	*102.5*	*103.2*	*104.0*	**95.0**	*100.3*	*102.9*
Mountain	**90.1**	**90.2**	**91.7**	**93.0**	**95.3**	*95.8*	*96.4*	*96.9*	*97.7*	*98.4*	*99.2*	*100.1*	**91.3**	*96.1*	*98.9*
Pacific	**91.9**	**92.0**	**93.2**	**94.1**	**95.9**	*96.1*	*96.6*	*97.0*	*97.7*	*98.2*	*98.9*	*99.6*	**92.8**	*96.4*	*98.6*
Real Personal Income (Billion $2005)															
New England	**649**	**653**	**649**	**650**	**651**	*655*	*660*	*664*	*667*	*672*	*674*	*678*	**650**	*657*	*673*
Middle Atlantic	**1,753**	**1,749**	**1,751**	**1,754**	**1,756**	*1,767*	*1,784*	*1,796*	*1,805*	*1,817*	*1,824*	*1,834*	**1,752**	*1,776*	*1,820*
E. N. Central	**1,604**	**1,601**	**1,605**	**1,604**	**1,608**	*1,616*	*1,626*	*1,634*	*1,642*	*1,653*	*1,658*	*1,665*	**1,604**	*1,621*	*1,655*
W. N. Central	**746**	**747**	**748**	**748**	**750**	*754*	*759*	*763*	*767*	*773*	*776*	*780*	**747**	*757*	*774*
S. Atlantic	**2,132**	**2,133**	**2,135**	**2,135**	**2,140**	*2,154*	*2,172*	*2,186*	*2,202*	*2,219*	*2,230*	*2,244*	**2,134**	*2,163*	*2,224*
E. S. Central	**564**	**565**	**566**	**566**	**566**	*569*	*573*	*577*	*580*	*585*	*587*	*590*	**565**	*571*	*586*
W. S. Central	**1,251**	**1,256**	**1,263**	**1,268**	**1,277**	*1,287*	*1,298*	*1,307*	*1,317*	*1,329*	*1,337*	*1,347*	**1,260**	*1,292*	*1,333*
Mountain	**740**	**742**	**743**	**745**	**746**	*751*	*758*	*763*	*769*	*775*	*780*	*785*	**743**	*755*	*777*
Pacific	**1,947**	**1,944**	**1,950**	**1,951**	**1,957**	*1,969*	*1,986*	*1,998*	*2,011*	*2,028*	*2,038*	*2,051*	**1,948**	*1,977*	*2,032*
Households (Thousands)															
New England	**5,657**	**5,661**	**5,665**	**5,668**	**5,676**	*5,685*	*5,693*	*5,702*	*5,712*	*5,722*	*5,731*	*5,741*	**5,668**	*5,702*	*5,741*
Middle Atlantic	**15,557**	**15,575**	**15,591**	**15,605**	**15,623**	*15,649*	*15,668*	*15,687*	*15,708*	*15,727*	*15,744*	*15,763*	**15,605**	*15,687*	*15,763*
E. N. Central	**18,024**	**18,028**	**18,030**	**18,040**	**18,062**	*18,097*	*18,125*	*18,154*	*18,186*	*18,217*	*18,243*	*18,271*	**18,040**	*18,154*	*18,271*
W. N. Central	**8,133**	**8,146**	**8,159**	**8,175**	**8,196**	*8,221*	*8,241*	*8,263*	*8,284*	*8,306*	*8,325*	*8,346*	**8,175**	*8,263*	*8,346*
S. Atlantic	**23,215**	**23,267**	**23,320**	**23,381**	**23,461**	*23,537*	*23,618*	*23,706*	*23,798*	*23,891*	*23,981*	*24,075*	**23,381**	*23,706*	*24,075*
E. S. Central	**7,215**	**7,226**	**7,238**	**7,250**	**7,270**	*7,282*	*7,299*	*7,317*	*7,338*	*7,358*	*7,377*	*7,397*	**7,250**	*7,317*	*7,397*
W. S. Central	**13,338**	**13,377**	**13,419**	**13,466**	**13,533**	*13,582*	*13,639*	*13,700*	*13,762*	*13,824*	*13,884*	*13,944*	**13,466**	*13,700*	*13,944*
Mountain	**8,290**	**8,307**	**8,326**	**8,352**	**8,386**	*8,425*	*8,461*	*8,499*	*8,540*	*8,580*	*8,617*	*8,657*	**8,352**	*8,499*	*8,657*
Pacific	**17,503**	**17,539**	**17,576**	**17,619**	**17,671**	*17,739*	*17,799*	*17,861*	*17,928*	*17,997*	*18,056*	*18,120*	**17,619**	*17,861*	*18,120*
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*	*6.9*	*6.9*	**6.8**	*6.9*	*6.9*
Middle Atlantic	**18.1**	**18.2**	**18.2**	**18.3**	**18.4**	*18.4*	*18.5*	*18.5*	*18.6*	*18.6*	*18.7*	*18.7*	**18.2**	*18.5*	*18.7*
E. N. Central	**20.2**	**20.2**	**20.2**	**20.3**	**20.4**	*20.4*	*20.5*	*20.5*	*20.6*	*20.7*	*20.7*	*20.8*	**20.2**	*20.5*	*20.7*
W. N. Central	**9.8**	**9.9**	**9.9**	**9.9**	**10.0**	*10.0*	*10.0*	*10.0*	*10.1*	*10.1*	*10.1*	*10.1*	**9.9**	*10.0*	*10.1*
S. Atlantic	**24.9**	**25.0**	**25.0**	**25.1**	**25.2**	*25.3*	*25.4*	*25.4*	*25.5*	*25.6*	*25.7*	*25.8*	**25.0**	*25.3*	*25.7*
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*	*7.6*	**7.4**	*7.5*	*7.6*
W. S. Central	**15.0**	**15.1**	**15.2**	**15.3**	**15.4**	*15.5*	*15.5*	*15.5*	*15.6*	*15.7*	*15.7*	*15.8*	**15.2**	*15.5*	*15.7*
Mountain	**9.0**	**9.1**	**9.1**	**9.2**	**9.2**	*9.2*	*9.3*	*9.3*	*9.3*	*9.4*	*9.4*	*9.4*	**9.1**	*9.2*	*9.4*
Pacific	**19.3**	**19.4**	**19.4**	**19.5**	**19.6**	*19.7*	*19.7*	*19.8*	*19.8*	*19.9*	*20.0*	*20.1*	**19.4**	*19.7*	*20.0*

- = 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 - July 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**	*769*	*181*	*2,252*	*3,155*	*912*	*171*	*2,251*	**6,135**	*5,861*	*6,489*
Middle Atlantic	**3,023**	**609**	**67**	**1,715**	**2,360**	*590*	*120*	*2,047*	*2,899*	*727*	*113*	*2,044*	**5,414**	*5,117*	*5,783*
E. N. Central	**3,306**	**755**	**182**	**1,943**	**2,468**	*625*	*139*	*2,280*	*3,138*	*764*	*152*	*2,298*	**6,186**	*5,512*	*6,352*
W. N. Central	**3,517**	**769**	**200**	**2,155**	**2,525**	*530*	*169*	*2,463*	*3,259*	*712*	*180*	*2,495*	**6,641**	*5,687*	*6,646*
South Atlantic	**1,501**	**179**	**18**	**900**	**1,120**	*187*	*23*	*1,054*	*1,507*	*236*	*23*	*1,039*	**2,598**	*2,384*	*2,805*
E. S. Central	**1,866**	**247**	**44**	**1,230**	**1,321**	*198*	*28*	*1,371*	*1,874*	*281*	*31*	*1,359*	**3,387**	*2,918*	*3,545*
W. S. Central	**1,273**	**101**	**9**	**839**	**888**	*54*	*8*	*890*	*1,262*	*105*	*9*	*878*	**2,222**	*1,840*	*2,254*
Mountain	**2,338**	**773**	**71**	**1,938**	**2,099**	*526*	*163*	*1,931*	*2,310*	*723*	*165*	*1,939*	**5,120**	*4,719*	*5,137*
Pacific	**1,481**	**675**	**52**	**1,171**	**1,416**	*477*	*106*	*1,144*	*1,419*	*556*	*107*	*1,117*	**3,379**	*3,143*	*3,199*
U.S. Average	**2,285**	**517**	**77**	**1,441**	**1,782**	*421*	*93*	*1,622*	*2,204*	*527*	*95*	*1,617*	**4,320**	*3,918*	*4,443*
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**	*142*	*356*	*0*	*0*	*73*	*372*	*1*	**608**	*498*	*446*
Middle Atlantic	**0**	**216**	**670**	**1**	**0**	*229*	*523*	*5*	*0*	*147*	*538*	*5*	**887**	*757*	*690*
E. N. Central	**0**	**227**	**668**	**2**	**17**	*294*	*541*	*9*	*1*	*206*	*509*	*8*	**897**	*861*	*724*
W. N. Central	**1**	**294**	**810**	**13**	**13**	*380*	*693*	*13*	*3*	*270*	*657*	*15*	**1,118**	*1,099*	*945*
South Atlantic	**99**	**789**	**1,262**	**182**	**154**	*684*	*1,096*	*209*	*113*	*580*	*1,104*	*223*	**2,332**	*2,143*	*2,020*
E. S. Central	**9**	**653**	**1,134**	**21**	**52**	*613*	*1,039*	*64*	*31*	*475*	*1,019*	*66*	**1,817**	*1,768*	*1,591*
W. S. Central	**113**	**1,091**	**1,767**	**201**	**146**	*1,009*	*1,460*	*178*	*81*	*794*	*1,431*	*190*	**3,172**	*2,793*	*2,496*
Mountain	**11**	**316**	**971**	**70**	**9**	*469*	*868*	*70*	*15*	*383*	*853*	*78*	**1,368**	*1,416*	*1,329*
Pacific	**2**	**68**	**606**	**41**	**0**	*128*	*513*	*41*	*7*	*151*	*510*	*55*	**717**	*682*	*723*
U.S. Average	**33**	**432**	**942**	**70**	**53**	*439*	*793*	*78*	*35*	*350*	*783*	*83*	**1,477**	*1,363*	*1,251*
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.