



Short-Term Energy Outlook (STEO)

Highlights

- North Sea Brent crude oil prices averaged \$61/barrel (b) in June, a \$3/b decrease from May. Crude oil prices fell by about \$4/b on July 6 in the aftermath of the "no" vote in Greece on the economic program, as well as lingering concerns about lower economic growth in China, higher oil exports from Iran, and continuing growth in global petroleum and other liquids inventories. A percent price change of this extent on a single day is unusual, but despite daily price volatility, monthly Brent crude oil prices have averaged between \$55/b and \$65/b per month since falling to \$48/b in January.
- EIA forecasts that Brent crude oil prices will average \$60/b in 2015 and \$67/b in 2016. Forecast West Texas Intermediate (WTI) crude oil prices in both 2015 and 2016 average \$5/b less than the Brent price. The current values of futures and options contracts for December 2015 delivery ([Market Prices and Uncertainty Report](#)) suggest the market expects WTI prices in December 2015 to range from \$41/b to \$89/b (at the 95% confidence interval).
- U.S. regular gasoline monthly average retail prices reached \$2.80/gallon (gal) in June, an increase of 8 cents/gal from May but 89 cents/gal lower than in June 2014. The price rise between May and June reflects signals of strong gasoline demand in the United States and abroad. EIA expects monthly average gasoline prices to decline gradually from their June level to an average of \$2.49/gal during the second half of 2015. EIA forecasts U.S. regular gasoline retail prices to average \$2.48/gal for all of 2015.
- EIA estimates total U.S. crude oil production declined by 50,000 barrels per day (b/d) in May compared with April. Production is expected to generally continue falling through early 2016 before growth resumes. Projected U.S. crude oil production averages 9.5 million b/d in 2015 and 9.3 million b/d in 2016.
- Natural gas working inventories were [2,577 billion cubic feet \(Bcf\) on June 26](#), which was 35% higher than a year earlier and 1% higher than the previous five-year average (2010-14). Although injections have been strong most weeks, hot temperatures and high demand from the electric power sector contributed to lower-than-average injections during late June. Nevertheless, working inventories are on pace to end the injection season above the previous five-year average. EIA projects end-of-October stocks will be 3,919 Bcf, 121 Bcf (3.2%) more than the five-year average.

Global Petroleum and Other Liquids

Global liquids production continues to exceed consumption, resulting in inventory builds. Global oil inventory builds are estimated to have averaged 2.2 million b/d through the first half of 2015 and are projected to average 1.5 million b/d during the second half of the year. The slowing increases in inventory reflect rising demand and slowing production growth outside of the Organization of the Petroleum Exporting Countries (OPEC), particularly in the United States. The expected inventory builds in 2015 are on top of an estimated 0.9 million b/d increase in 2014. By 2016, inventory builds are expected to moderate to 0.6 million b/d.

Global Petroleum and Other Liquids Consumption. EIA estimates global consumption of petroleum and other liquids grew by 1.1 million b/d in 2014, averaging 92.4 million b/d for the year. EIA expects global consumption of petroleum and other liquids to grow by 1.3 million b/d in 2015 and by 1.4 million b/d in 2016. Projected real gross domestic product (GDP) weighted for oil consumption, which increased by an estimated 2.8% in 2014, is projected to grow by 2.5% in 2015 and by 3.1% in 2016.

Consumption of petroleum and other liquids outside Organization for Economic Cooperation and Development (OECD) countries grew by 1.4 million b/d in 2014 and is projected to grow by 0.8 million b/d in 2015 and by 1.1 million b/d in 2016. Lower forecast growth for non-OECD consumption in 2015 mostly reflects a 0.2 million b/d decline in Russia's consumption as a result of the country's economic downturn. Russia's oil consumption is expected to decline by a similar amount in 2016, although it is offset by growth elsewhere. China's economic growth slowed in the second half of 2014 and in the beginning of 2015. However, China remains the main source of non-OECD oil consumption growth, with a projected annual average increase of 0.3 million b/d in both 2015 and 2016, down from growth of 0.4 million b/d in 2014. India's economic and manufacturing growth continued to rise in the first half of 2015, and EIA projects India's petroleum and other liquids consumption will increase by 0.2 million b/d in 2015 and 2016, compared with 0.1 million b/d in 2014.

OECD petroleum and other liquids consumption, which fell by 0.4 million b/d in 2014, is expected to grow by 0.4 million b/d in 2015 and by 0.3 million b/d in 2016. Japan and Europe accounted for nearly all of the 2014 decline in OECD oil consumption. Japan's consumption is expected to continue declining over the next two years, albeit at a slower rate than in 2014, while Europe's consumption is expected to grow slowly. The United States is the leading contributor to projected OECD consumption growth in 2015, with U.S. consumption increasing by 0.4 million b/d, while consumption in both the United States and Europe increases by about 0.1 million b/d in 2016. The degree to which global oil demand responds to lower oil prices is only beginning to become apparent in the data, and, if that response deviates from forecast values, it could affect market balances and prices.

Non-OPEC Petroleum and Other Liquids Supply. EIA estimates that non-OPEC petroleum and other liquids production grew by 2.3 million b/d in 2014, which mainly reflects production growth in the United States. EIA expects non-OPEC production to grow by 1.4 million b/d in

2015 and by 0.2 million b/d in 2016. After remaining relatively flat in 2015, production in Eurasia is projected to decline by 0.1 million b/d in 2016. The projected decline reflects reduced investment in Russia's oil sector stemming from low oil prices and international sanctions.

Unplanned supply disruptions among non-OPEC producers averaged about 0.8 million b/d in June 2015, unchanged compared with the previous month as May outages in Canada extended into June. Wildfires in western Canada that started in the second half of May led to oil sands production outages averaging about 0.1 million b/d for May and June. Oil sands projects that had been shut down because of the fires resumed production in the second week of June. Recent violence in Yemen continues to interrupt operations at an oil port and refinery. South Sudan, Syria, and Yemen accounted for more than 75% of total non-OPEC supply disruptions in June.

OPEC Petroleum and Other Liquids Supply. EIA estimates that OPEC crude oil production averaged 30.1 million b/d in 2014, unchanged from the previous year. Crude oil production declines in Libya, Angola, Algeria, and Kuwait offset [production growth in Iraq](#) and Iran. EIA forecasts OPEC crude oil production to increase by 0.6 million b/d in 2015 and decrease by 0.2 million b/d in 2016. Iraq is expected to be the largest contributor to OPEC production growth in 2015. At the OPEC meeting on June 5, the group did not change its 30 million b/d crude oil production target. EIA forecasts OPEC crude oil production will continue to exceed that target over the forecast period, contributing to expected global inventory builds.

On April 2, Iran and the five permanent members of the United Nations Security Council plus Germany (P5+1) reached a framework agreement to guide negotiations targeting a comprehensive agreement by June 30. Negotiations continued beyond the June 30 target, and July 7 was agreed as the new target date for a comprehensive agreement. However, no agreement had been reached by the time of this writing. A comprehensive agreement could result in the lifting of oil-related sanctions against Iran and a subsequent increase in Iran's crude oil production and exports, although the timing and details of any suspension of sanctions are uncertain. EIA has not changed its short-term projection for Iranian crude oil production, which assumes that production will stay close to the current level.

Iran produced 3.6 million b/d of crude oil in late 2011, before the recent round of sanctions was enacted. The sanctions forced Iran to shut in a substantial portion of its production, lowering output to an estimated 2.9 million b/d in June 2015. Iran's ability to bring online previously shut-in volumes and increase exports depends on several factors, including the current condition of oil fields and infrastructure that were shut in, the pace of sanctions relief, and the ability of Iran to find buyers in the present market. If a comprehensive agreement is reached, EIA estimates that the re-entry of more Iranian oil could result in a \$5/b-\$15/b lower baseline STEO price forecast for 2016 (see the analysis box on page 5 of the [April 2015 STEO](#) for further discussion).

OPEC noncrude liquids production, which averaged 6.3 million b/d in 2014, is expected to increase by 0.1 million b/d in 2015 and by 0.2 million b/d in 2016, led by production increases in Qatar, Iran, and Kuwait.

In June, unplanned crude oil supply disruptions among OPEC producers averaged 2.5 million b/d, unchanged from May. Higher disruptions in May in Kuwait and Saudi Arabia extended into June. Production at the Wafra field, located in the Neutral Zone that straddles Kuwait and Saudi Arabia, ceased in mid-May as the operators attempted to resolve a contract dispute. The continued suspension of Wafra's production increased disruptions in June by a total of 0.1 million b/d, split between Kuwait and Saudi Arabia. This suspension came after the previous production shut-in at the Khafji field in the Neutral Zone.

EIA expects OPEC surplus crude oil production capacity, which is concentrated in Saudi Arabia, to decrease to an average of 1.8 million b/d in 2015 and increase to 2.1 million b/d in 2016, after averaging 2.0 million b/d in 2014. Surplus capacity is typically an indication of market conditions, and surplus capacity below 2.5 million b/d is an indicator of a relatively tight oil market, but the current and forecast levels of global inventory builds make the projected low surplus capacity level in 2015 less significant.

OECD Petroleum Inventories. EIA estimates that OECD commercial oil inventories totaled 2.69 billion barrels at the end of 2014, equivalent to roughly 59 days of consumption. Projected OECD oil inventories rise to 2.95 billion barrels at the end of 2015 and then to 3.00 billion barrels at the end of 2016.

Crude Oil Prices. North Sea Brent crude oil spot prices decreased by \$3/b in June to a monthly average of \$61/b. Oil prices have been relatively stable in recent months despite consistent growth in global petroleum and other liquids inventories, which grew by an estimated 1.9 million b/d in June and an average of almost 3.0 million b/d April and May, compared with an average build of 0.8 million b/d in the second quarter of 2014. Inventory builds are projected to moderate somewhat in the coming months, but are expected to remain high compared with previous years.

The monthly average WTI crude oil spot price increased to an average of \$60/b in June, up \$1/b from May. After increasing for 20 consecutive weeks to a record 62.2 million barrels on April 17, crude oil inventories at Cushing, Oklahoma, have since decreased by 5.8 million barrels as of June 26. Along with falling Cushing inventories, strong U.S. refinery runs and production outages in Canada have put upward pressure on the price of WTI crude oil.

EIA projects the Brent crude oil price will average \$60/b in 2015 and \$67/b in 2016, both unchanged from last month's STEO. WTI prices in both 2015 and 2016 are expected to average \$5/b less than the Brent crude oil price. However, this price projection remains subject to the uncertainties surrounding the possible lifting of sanctions against Iran and other market events. In addition, there is potential downward price pressure in the second half 2015 once refinery runs moderate following the seasonal peaks in demand from the summer driving season.

The current values of futures and options contracts continue to suggest high uncertainty in the price outlook (*Market Prices and Uncertainty Report*). WTI futures contracts for October 2015 delivery traded during the five-day period ending July 1 averaged \$59/b, while implied volatility averaged 31%. These levels established the lower and upper limits of the 95% confidence

interval for the market's expectations of monthly average WTI prices in October 2015 at \$45/b and \$79/b, respectively. The 95% confidence interval for market expectations widens over time, with lower and upper limits of \$41/b and \$89/b for prices in December 2015. Last year at this time, WTI for October 2014 delivery averaged \$104/b, and implied volatility averaged 14%. The corresponding lower and upper limits of the 95% confidence interval were \$92/b and \$118/b.

U.S. Petroleum and Other Liquids

U.S. weekly regular gasoline retail prices reached a 2015 year-to-date high of \$2.84/gal on June 15, an increase of 43 cents/gal from early in the second quarter but 85 cents/gal below the same time last year. Strong demand for gasoline in both the United States and abroad has driven gasoline prices higher over the past two months despite relatively stable crude oil prices. Data from the U.S. Federal Highway Administration show Americans drove a record 988 billion miles during the first four months of 2015, compared with the previous record of 966 billion miles driven in the first four months of 2007. As a result, refinery wholesale gasoline margins (the difference between the wholesale price of gasoline and the price of Brent crude oil) have been strong in recent months leading to record high levels of refinery runs. U.S. average wholesale gasoline margins averaged 62 cents/gal in June, 28 cents/gal higher than June of last year and 25 cents/gal higher than the five-year average (2010-14) for June.

Refinery outages on the West Coast have contributed to gasoline prices in that region rising by more than the U.S. average during May. As those outages have abated and imports have helped resupply the market, regular gasoline prices in Petroleum Administration for Defense District (PADD) 5 declined to an average of \$3.31/gal on June 29, 20 cents/gal lower than their recent peak on May 18. In June, monthly average regional gasoline retail prices ranged from a low of \$2.55/gal in PADD 3, the Gulf Coast region, to a high of \$3.36/gal in PADD 5, the West Coast. EIA expects gasoline prices to fall from their current peaks, with the U.S. regular gasoline price averaging \$2.49/gal over the second half of 2015, 6 cents/gal higher than forecast in last month's STEO.

Liquid Fuels Consumption. Total U.S. liquid fuels consumption rose by an estimated 70,000 b/d (0.4%) in 2014. Total liquid fuels consumption is forecast to grow by 400,000 b/d (2.1%) in 2015 and by 120,000 b/d (0.6%) in 2016. The 2015 and 2016 consumption forecasts are about 20,000 b/d higher and 70,000 b/d higher, respectively, than forecast in last month's STEO.

Motor gasoline consumption, which rose by 80,000 b/d in 2014, will increase by a projected 170,000 b/d (1.9%) in 2015 as the effects of employment growth and lower gasoline prices outweigh increases in vehicle fleet efficiency. Gasoline consumption is forecast to fall by 20,000 b/d (0.2%) in 2016, driven by higher prices and a long-term trend toward more fuel-efficient vehicles.

Consumption of distillate fuel, which includes diesel fuel and heating oil, is forecast to rise by 90,000 b/d (2.3%) in 2015 and by 70,000 b/d (1.7%) in 2016. This growth is driven by increasing manufacturing output, foreign trade, and marine fuel use.

Hydrocarbon gas liquids (HGL) consumption, which decreased by 100,000 b/d (4.0%) in 2014, is projected to increase by 120,000 b/d in 2015 and by 60,000 b/d in 2016, as new petrochemical plant capacity increases the use of HGL as a feedstock. In addition, new HGL export terminal capacity contributes to an increase in HGL net exports from an average of 560,000 b/d in 2014 to 1.1 million b/d in 2016.

Liquid Fuels Supply. U.S. crude oil production is projected to increase from an average of 8.7 million b/d in 2014 to 9.5 million b/d in 2015 and then decline to 9.3 million b/d in 2016. The forecast is about 40,000 b/d higher for both 2015 and 2016 than in last month's STEO. The increase in the crude oil production forecast reflects upward revisions to estimated Gulf of Mexico production in the second quarter of 2015.

EIA estimates that U.S. crude oil production averaged almost 9.6 million b/d in the first half of 2015. This level is 0.3 million b/d higher than the average production during the fourth quarter of 2014, despite a 60% decline in the total U.S. oil-directed rig count since October 2014.

The most recent production estimates, which include historical data through April 2015, indicate U.S. output was 9.7 million b/d in April. EIA estimates that total U.S. production began declining in May, falling 50,000 b/d from the April level. Although total U.S. production increased in April, the data indicate that onshore production began declining in April. While the production estimates are subject to revision as new data become available from the states, the preliminary evidence is supported by reported April production declines in major producing states such as North Dakota.

EIA expects U.S. crude oil production declines to continue into early 2016, when total production is forecast to average 9.2 million b/d in the first quarter. Production is forecast to begin rising in the second quarter of 2016, returning to an average of 9.6 million b/d in the fourth quarter. A total of 13 projects are scheduled to come online in the Gulf of Mexico in 2015 and 2016, pushing Gulf of Mexico production up from an average of 1.4 million b/d in the fourth quarter of 2014 to almost 1.7 million b/d in the same period of 2016, an increase of 17%.

Expected crude oil production declines from April 2015 through February 2016 are largely attributable to unattractive economic returns in some areas of both emerging and mature onshore oil production regions, as well as seasonal factors such as anticipated hurricane-related production disruptions in the Gulf of Mexico. Reductions in 2015 cash flows and capital expenditures have prompted companies to defer or redirect investment away from marginal exploration and research drilling to focus on core areas of major tight oil plays. Reduced investment has resulted in the lowest count of oil-directed rigs in nearly five years.

Projected 2015 oil prices remain high enough to support continued development drilling in the core areas of the Bakken, Eagle Ford, Niobrara, and Permian basins. Forecast WTI crude oil prices create conditions in which continued increases in [rig and well productivity](#) and falling drilling and completion costs make rig count increases and resumption of onshore production growth possible in 2016. The forecast remains sensitive to actual wellhead prices and rapidly changing drilling economics that vary across regions and operators. While projected oil

production in the Gulf of Mexico rises during the forecast period, Alaska oil production falls. Production in these areas is less sensitive to short-term price movements than onshore production in the Lower 48 states and reflects anticipated growth from new projects and declines from legacy fields.

HGL production at natural gas processing plants is estimated to have reached a record level of 3.3 million b/d in April 2015, and it is projected to average 3.3 million b/d in 2015 and 3.5 million b/d in 2016. EIA expects higher ethane recovery rates following planned increases in petrochemical plant feedstock demand. Export terminal expansions will allow higher quantities of domestically produced ethane, propane, and butanes to reach the international market.

The growth in domestic crude oil and other liquids production has contributed to a significant decline in imports. The share of total U.S. liquid fuels consumption met by net imports fell from 60% in 2005 to an estimated 26% in 2014. EIA expects the net import share to decline to 21% in 2016, which would be the lowest level since 1968.

Petroleum Product Prices. Rising crude oil prices, strong demand for U.S. gasoline, and several refinery outages in the Midwest and West Coast contributed to an increase in U.S. regular gasoline retail prices from a monthly average of \$2.47/gal in April to \$2.80/gal in June. EIA expects monthly average prices to decline through the summer as refineries continue to produce high levels of gasoline and as demand begins to decrease following the peak in the summer driving season. EIA projects regular gasoline retail prices to average \$2.63/gal during the third quarter of 2015, 11 cents/gal higher than in last month's STEO, and \$2.34/gal in the fourth quarter.

The U.S. regular gasoline retail price, which averaged \$3.36/gal in 2014, is projected to average \$2.48/gal in 2015, 4 cents/gal higher than in last month's STEO, and \$2.55/gal in 2016, which is unchanged from last month's STEO.

The diesel fuel retail price, which averaged \$3.83/gal in 2014, is projected to fall to an average of \$2.86/gal in 2015, 2 cents/gal lower than in last month's STEO, and then rise to \$3.03/gal in 2016.

As with crude oil, the market's expectation of uncertainty in monthly average gasoline prices is reflected in the pricing and implied volatility of futures and options contracts. New York Harbor reformulated blendstock for oxygenate blending (RBOB) futures contracts for October 2015 delivery, traded over the five-day period ending July 1, averaged \$1.80/gal. The probability that the RBOB futures price will exceed \$2.35/gal (consistent with a U.S. average regular gasoline retail price above \$3.00/gal) in October 2015 is about 5%.

Natural Gas

Preliminary data indicate that natural gas production in the Northeast declined during May and June, contributing to total U.S. natural gas production in June averaging 78.2 Bcf per day (Bcf/d), down 1.2 Bcf/d from the April level. The decline largely reflects maintenance and construction in

the Marcellus producing area. Transcontinental Pipeline restricted capacity on segments of its Leidy Line, which flows natural gas produced in the Marcellus Shale to market areas, beginning May 1 and lasting through late June. The capacity restrictions were related to construction on an expansion that will ultimately increase Marcellus takeaway capacity. EIA expects production growth will resume in July.

Natural Gas Consumption. EIA's forecast of U.S. total natural gas consumption averages 76.5 Bcf/d in 2015 and 76.4 Bcf/d in 2016, compared with 73.5 Bcf/d in 2014. Consumption growth in 2015 is largely driven by demand in the industrial and electric power sectors. EIA projects natural gas consumption in the power sector to grow by 12.9% in 2015 and then fall by 2.7% in 2016. Low natural gas prices support increased use of natural gas for electricity generation in 2015. Industrial sector consumption increases by 3.3% in 2015 and by 3.9% in 2016, as new industrial projects come online, particularly in the fertilizer and chemicals sectors, and as industrial consumers continue to take advantage of low natural gas prices. Natural gas consumption in the residential and commercial sectors is projected to decline in 2015 and 2016.

Natural Gas Production and Trade. EIA expects that marketed natural gas production will increase by 4.3 Bcf/d (5.7%) and by 1.6 Bcf/d (2.0%) in 2015 and 2016, respectively. Despite recent declines, natural gas production remains high, and EIA expects continued growth through 2016, with increases in the Lower 48 states expected to more than offset long-term production declines in the Gulf of Mexico. Increases in drilling efficiency will continue to support growing natural gas production in the forecast despite relatively low natural gas prices. Most of the growth is expected to come from the Marcellus Shale, as the backlog of uncompleted wells is reduced and new pipelines come online to deliver Marcellus natural gas to markets in the Northeast.

Increases in domestic natural gas production are expected to reduce demand for natural gas imports from Canada and to support growth in exports to Mexico. EIA expects natural gas exports to Mexico, particularly from the Eagle Ford Shale in South Texas, to increase because of growing demand from Mexico's electric power sector, coupled with flat Mexican natural gas production.

EIA projects LNG gross exports will increase to an average of 0.79 Bcf/d in 2016, with the startup of a major LNG liquefaction plant in the Lower 48 states.

Natural Gas Inventories. On June 26, natural gas working inventories totaled 2,577 Bcf, which was 662 Bcf (35%) above the level at the same time in 2014 and 29 Bcf (1%) above the previous five-year average (2010-14) for that week. To this point in the inventory refill season, injections have surpassed the five-year average injections by a wide margin. EIA projects end-of-October 2015 inventories will total 3,919 Bcf, 121 Bcf (3.2%) above the five-year average for that time.

Natural Gas Prices. The Henry Hub natural gas spot price averaged \$2.78/million British thermal units (MMBtu) in June, a decrease of 7 cents/MMBtu from the May price. EIA expects monthly average spot prices to remain lower than \$3/MMBtu in July, and lower than \$4/MMBtu through

the remainder of the forecast. The projected Henry Hub natural gas price averages \$2.97/MMBtu in 2015 and \$3.31/MMBtu in 2016.

Natural gas futures contracts for October 2015 delivery traded during the five-day period ending July 1 averaged \$2.85/MMBtu. Current options and futures prices imply that market participants place the lower and upper bounds for the 95% confidence interval for October 2015 contracts at \$1.92/MMBtu and \$4.24/MMBtu, respectively. At this time last year, the natural gas futures contract for October 2014 delivery averaged \$4.40/MMBtu, and the corresponding lower and upper limits of the 95% confidence interval were \$3.37/MMBtu and \$5.76/MMBtu, respectively.

Coal

Coal Supply. Lower coal demand for domestic consumption and exports is projected to contribute to a 75 million short ton (MMst) decline in production for 2015. Coal production is expected to decline in all coal-producing regions, and coal production is projected to remain near 2015 levels in 2016.

Electric power sector stockpiles increased to 168 MMst in April (the most recent month for which data are available), nearly 40 MMst higher than in April 2014.

Coal Consumption. EIA expects a 7% decrease in coal consumption in the electric power sector in 2015. Lower natural gas prices are the primary factor driving the decline. Projected low natural gas prices make it more economical to run natural gas-fired generating units at higher utilization rates even in regions of the country that typically rely more heavily on coal-fired generation (Midwest, South). Retirements of coal power plants in response to the implementation of the [Mercury and Air Toxics Standards \(MATS\)](#) have a lesser impact on coal demand in the power sector in 2015.

The full effect of the coal plant retirements on capacity resulting from MATS, which the Supreme Court recently sent back to the Court of Appeals for the D.C. Circuit for further review, will occur in 2016. However, projected rising electricity demand and higher natural gas prices are expected to contribute to higher utilization rates among the remaining coal-fired fleet. Even with continued MATS implementation, coal consumption in the electric power sector is forecast to increase 1.3% in 2016.

Coal Trade. Slower growth in world coal demand, lower international coal prices, and higher coal output in other coal-exporting countries have led to a two-year decline in U.S. coal exports. EIA projects coal exports will fall by 10 MMst, to 87 MMst, in 2015, but coal exports are expected to increase slightly in 2016. U.S. coal imports, which increased by more than 2 MMst in 2014 to 11 MMst, are expected to remain near that level over the next two years.

Coal Prices. The annual average coal price to the electric power sector fell from \$2.39/MMBtu in 2011 to \$2.36/MMBtu in 2014. EIA expects the delivered coal price to average \$2.29/MMBtu in 2015 and \$2.30/MMBtu in 2016.

Electricity

The [North American Electric Reliability Corporation](#) (NERC) indicates that there are adequate resources available this summer to meet projected peak electricity demand levels. Even in areas of the United States that have experienced constraints in certain power generation supplies, reliability of the bulk power system should not be a concern this summer. California's drought has significantly lowered available hydroelectric resources within the state, but the [California Independent System Operator](#) has determined that recent additions of renewable generation capacity and increased imports of electricity from the Pacific Northwest should be enough to cover peak power demand this year, even under an extreme scenario of high electricity consumption and possible generator outages.

Electricity Consumption. EIA forecasts that the typical U.S. residential electricity customer will use an average of 1,044 kilowatthours per month this summer (June, July, and August). This level of consumption would be 3.7% higher than the same period last year. The increase is driven primarily by an expected 13% increase in summer cooling degree days. For the year, EIA expects U.S. retail sales of electricity to the residential sector during 2015 to grow by 0.3% from 2014 levels. Residential sales of electricity are expected to fall by 1.0% in 2016 in response to projected milder summer and winter temperatures next year that reduce cooling and heating-related consumption.

Electricity Generation. U.S. generation of electricity fueled by natural gas exceeded coal-fired generation for the first time on record in April 2015, primarily because of sustained low natural gas prices. Normal seasonal fluctuations in the fuel mix and projected increases in the cost of natural gas for power generation should result in coal-fired generation exceeding natural gas generation for the rest of 2015. EIA forecasts coal's share of U.S. total generation will average 35.6% in 2015, down from 38.7% in 2014. In contrast, the natural gas fuel share averages 30.9% this year, up from 27.4% in 2014.

Electricity Retail Prices. The U.S. retail price of electricity to the residential sector is projected to average 12.8 cents per kilowatthour in 2015, which is 2.5% higher than the average price last year. This year-over-year increase in average electricity prices, combined with higher expected summer residential use, leads to a forecast 5.9% (\$23) increase in the typical residential customer's summer electricity expenditures compared with last summer.

Renewables and Carbon Dioxide Emissions

Electricity and Heat Generation from Renewables. EIA expects renewables used in the electric power sector will grow by 1.8% in 2015; conventional hydropower generation decreases by 2.0% and nonhydropower renewable power generation increases by 5.5%. The 2015 decrease in hydropower generation reflects the effects of the [California drought](#), which are only partially offset by growth in use of hydropower elsewhere. Generation from hydropower is expected to increase by 5.4% in 2016. Total renewables consumption for electric power and heat generation decreases by 1.2% in 2015 and increases by 5.5% in 2016.

EIA expects continued growth in utility-scale solar power generation, which is projected to average 86 gigawatthours per day (GWh/d) in 2016. Because the growth is from a small base, utility-scale solar power averages only 0.8% of total U.S. electricity generation in 2016. Although solar growth has historically been concentrated in customer-sited distributed generation installations (rooftop panels), EIA expects utility-scale solar capacity will increase by 90% between the end of 2014 and the end of 2016, with more than half of this new capacity being built in California. Other leading states include North Carolina, Nevada, Texas, and Utah, which, combined with California, account for more than 90% of the projected utility-scale capacity additions for 2015 and 2016. According to current law, projects coming online after the end of 2016 will see a federal investment tax credit of 10%, below the 30% investment tax credit available for projects that come online before the end of 2016. This impending decline in the tax credit provides a strong incentive for projects to enter service before the end of 2016.

Wind capacity, which grew by 8.3% in 2014, is forecast to increase by 12.8% in 2015 and by 13.0% in 2016. Because wind is starting from a much larger base than solar, even though the growth rate is lower, the absolute increase in wind capacity is twice that of solar: 18 GW of wind compared with 9 GW of utility-scale solar between 2014 and 2016.

Liquid Biofuels. On May 29, the U.S. Environmental Protection Agency (EPA) proposed a rule setting Renewable Fuel Standard (RFS) volumes for 2014 through 2016. Although these volumes could be modified before the final rule is issued, they are used in developing the current STEO. Ethanol production, which averaged 935,000 b/d in 2014, is forecast to remain near current levels in 2015 and 2016. Ethanol consumption, which averaged 878,000 b/d in 2014, is forecast to average 894,000 b/d in 2015 and 902,000 b/d in 2016, resulting in an average 9.9% ethanol share of the total gasoline pool in 2015 and 2016. EIA does not expect measurable increases in E15 or E85 consumption over the forecast period. The proposed RFS targets are expected to encourage imports of Brazilian sugarcane ethanol, [which were 3,000 b/d in 2014](#). Because of the expected increase in ethanol gross imports, net exports of ethanol are forecast to fall from 51,000 b/d in 2014, to 44,000 b/d in 2015, and to 36,000 b/d in 2016.

EIA expects the biggest effect of the proposed RFS targets to be on biodiesel consumption, which contributes to meeting the biomass-based diesel, advanced biofuel, and total renewable fuel RFS targets. Biodiesel production averaged an estimated 81,000 b/d in 2014 and is forecast to average 91,000 b/d in 2015 and 98,000 b/d in 2016. Net imports of biomass-based diesel are also expected to increase from 16,000 b/d in 2014, to 24,000 b/d in 2015, and to 35,000 b/d in 2016. EIA expects that a combination of higher biomass-based diesel consumption, higher consumption of domestic and imported ethanol, and banked Renewable Identification Numbers (RINs) will help meet the newly proposed RFS volumes through 2016.

Energy-Related Carbon Dioxide Emissions. EIA estimates that emissions grew by 1.0% in 2014. Emissions are projected to decrease by 0.2% in 2015 and then rise by 0.4% in 2016. These forecasts are sensitive to both weather and economic assumptions.

U.S. Economic Assumptions

Recent Economic Indicators. The Bureau of Economic Analysis (BEA) reported that **real GDP** decreased at an annual rate of 0.2% in the first quarter of 2015, above the previous estimate of a 0.7% decrease. With this estimate for the first quarter, exports decreased less than previously estimated and personal consumption expenditures and imports increased more.

EIA used the June 2015 version of the IHS macroeconomic model with EIA's energy price forecasts as model inputs to develop the economic projections in the STEO.

Production, Income, and Employment. Forecast real GDP growth is 2.0% in 2015 and rises to 2.8% in 2016. The 2015 growth is below the 2.2% forecast last month, while the 2016 growth is above the 2.6% forecast of last month. Real disposable income grows by 3.5% in 2015, above the 3.3% forecast last month, and by 2.5% in 2016. Total industrial production grows at 1.7% in 2015 and 3.4% in 2016. Projected growth in nonfarm employment averages 2.0% in 2015 and 1.4% in 2016.

Expenditures. Forecast private real fixed investment growth averages 4.4% and 7.6% in 2015 and 2016, respectively, led by equipment in 2015 and 2016 and by equipment and structures in 2016. Real consumption expenditures grow faster than real GDP in 2015, at 2.8%, and below real GDP in 2016 at 2.7%. Durable goods expenditures drive consumption spending in both years. Export growth is 1.6% and 4.9% over the same two years, while import growth is 5.4% in 2015 and 5.8% in 2016. Total government expenditures rise 0.8% in 2015 and 0.7% in 2016.

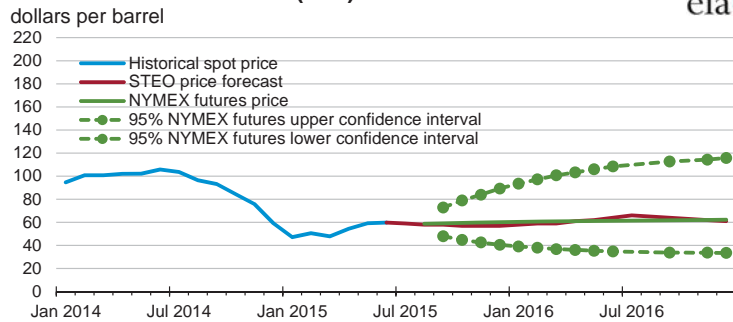
This report was prepared by the U.S. Energy Information Administration (EIA), the statistical and analytical agency within the U.S. Department of Energy. By law, EIA's data, analyses, and forecasts are independent of approval by any other officer or employee of the United States Government. The views in this report therefore should not be construed as representing those of the U.S. Department of Energy or other federal agencies.



Short-Term Energy Outlook

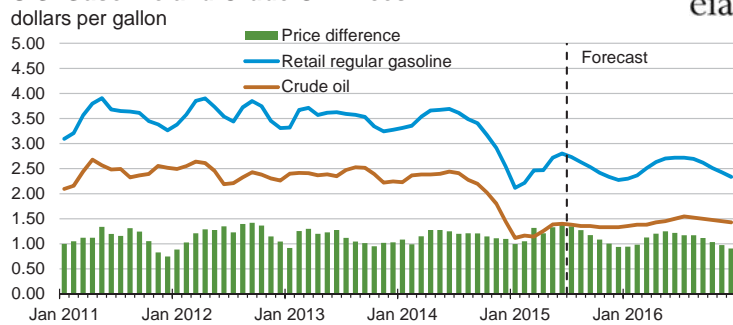
Chart Gallery for July 2015

West Texas Intermediate (WTI) Crude Oil Price



Note: Confidence interval derived from options market information for the 5 trading days ending Jul. 1, 2015. Intervals not calculated for months with sparse trading in near-the-money options contracts.
Source: Short-Term Energy Outlook, July 2015.

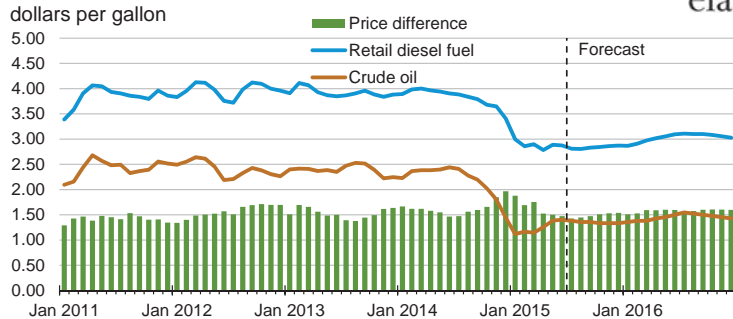
U.S. Gasoline and Crude Oil Prices



Crude oil price is composite refiner acquisition cost. Retail prices include state and federal taxes.

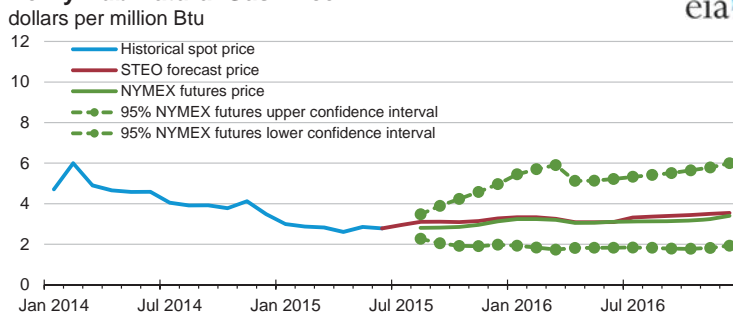
Source: Short-Term Energy Outlook, July 2015.

U.S. Diesel Fuel and Crude Oil Prices



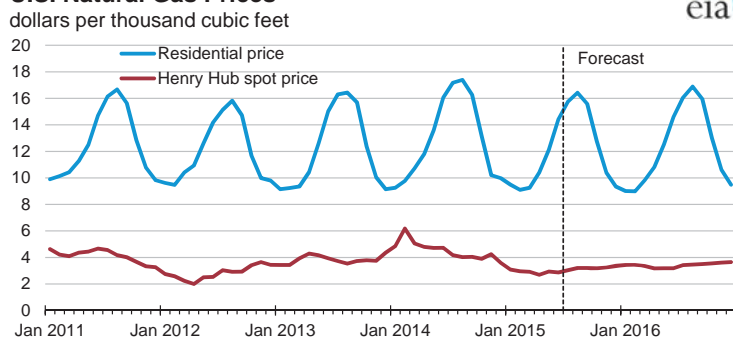
Crude oil price is composite refiner acquisition cost. Retail prices include state and federal taxes.
 Source: Short-Term Energy Outlook, July 2015.

Henry Hub Natural Gas Price



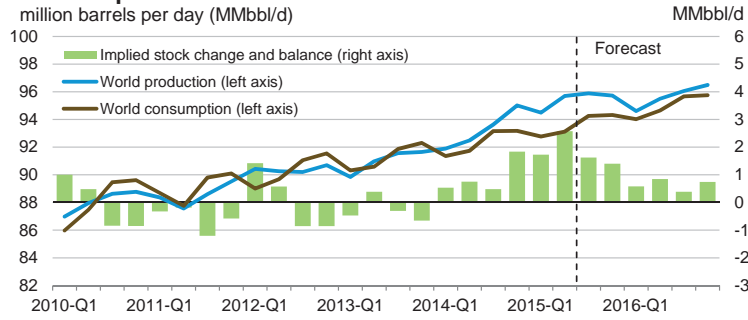
Note: Confidence interval derived from options market information for the 5 trading days ending Jul. 1, 2015. Intervals not calculated for months with sparse trading in near-the-money options contracts.
 Source: Short-Term Energy Outlook, July 2015.

U.S. Natural Gas Prices

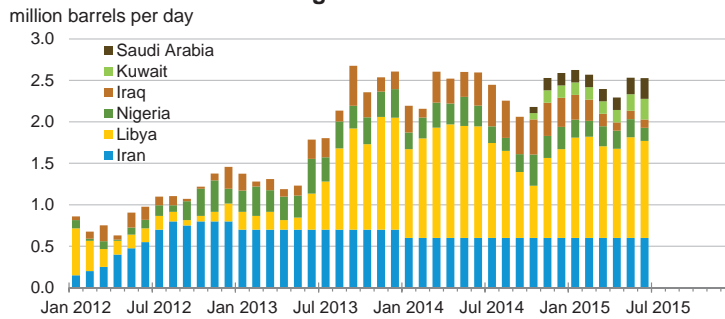


Source: Short-Term Energy Outlook, July 2015.

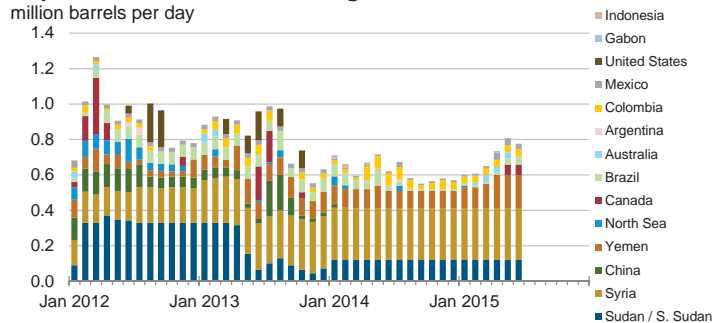
World Liquid Fuels Production and Consumption Balance



Estimated Historical Unplanned OPEC Crude Oil Production Outages



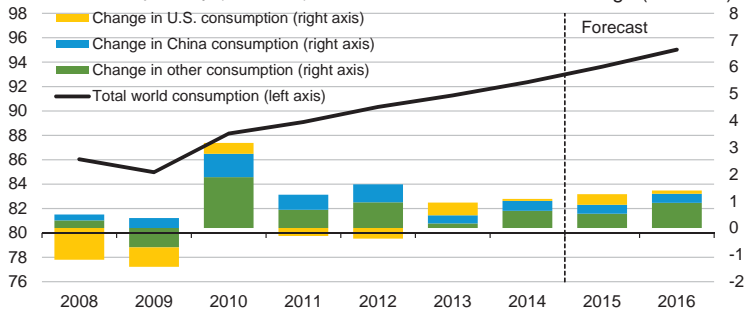
Estimated Historical Unplanned Non-OPEC Liquid Fuels Production Outages



World Liquid Fuels Consumption

million barrels per day (MMbbl/d)

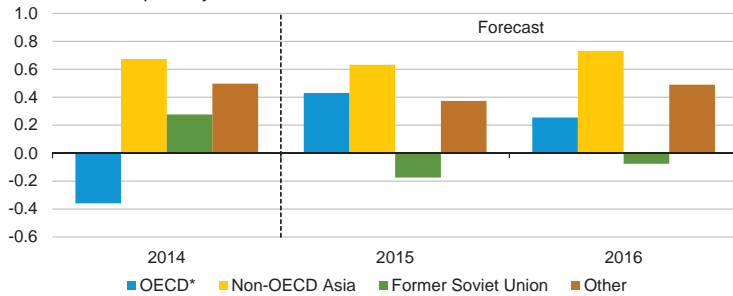
annual change (MMbbl/d)



Source: Short-Term Energy Outlook, July 2015.

World Liquid Fuels Consumption Growth

million barrels per day

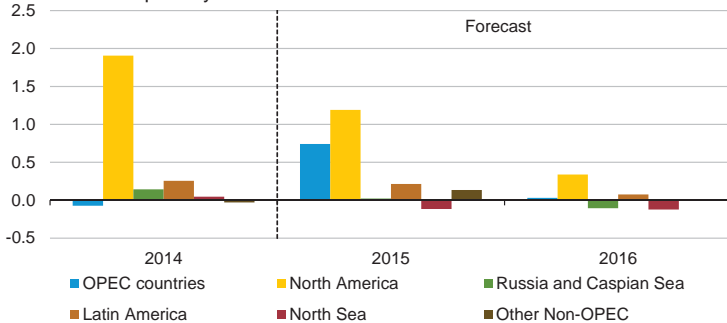


* Countries belonging to the Organization for Economic Cooperation and Development

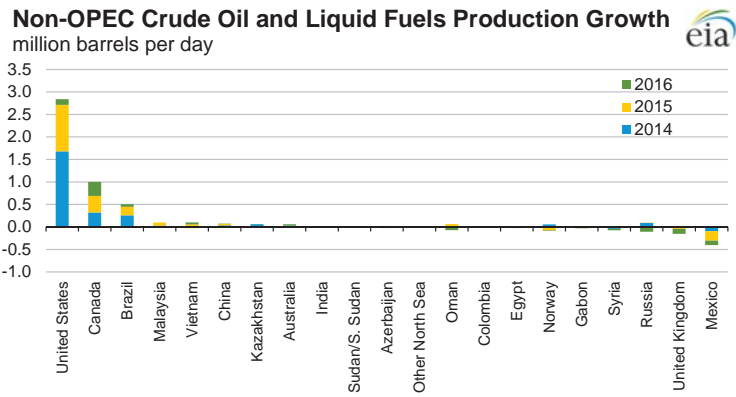
Source: Short-Term Energy Outlook, July 2015.

World Crude Oil and Liquid Fuels Production Growth

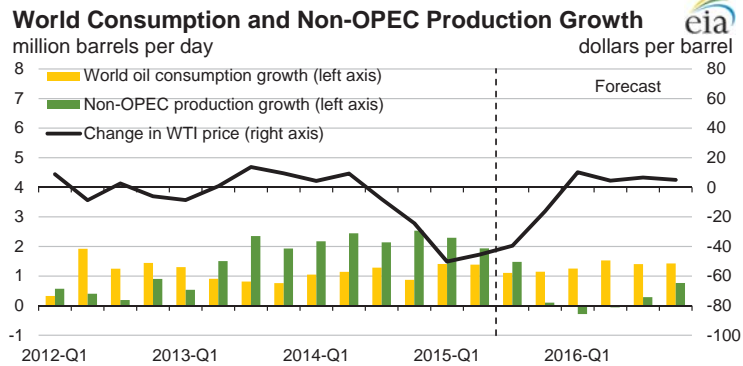
million barrels per day



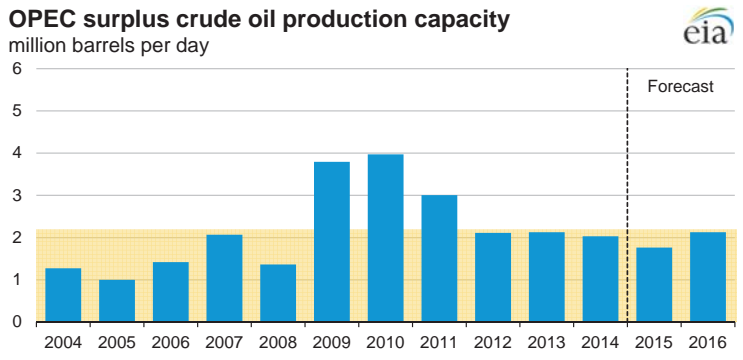
Source: Short-Term Energy Outlook, July 2015.



Source: Short-Term Energy Outlook, July 2015.



Source: Short-Term Energy Outlook, July 2015.

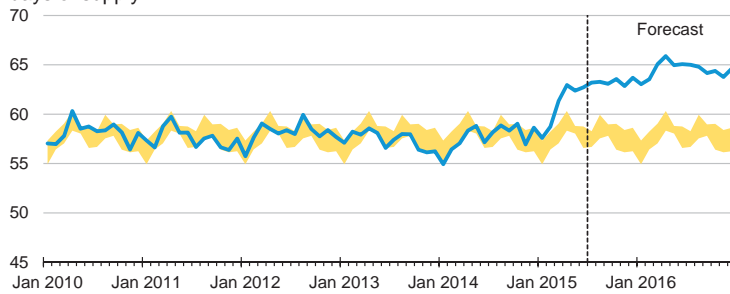


Note: Shaded area represents 2004-2014 average (2.2 million barrels per day).

Source: Short-Term Energy Outlook, July 2015.

OECD Commercial Crude Oil Stocks

days of supply



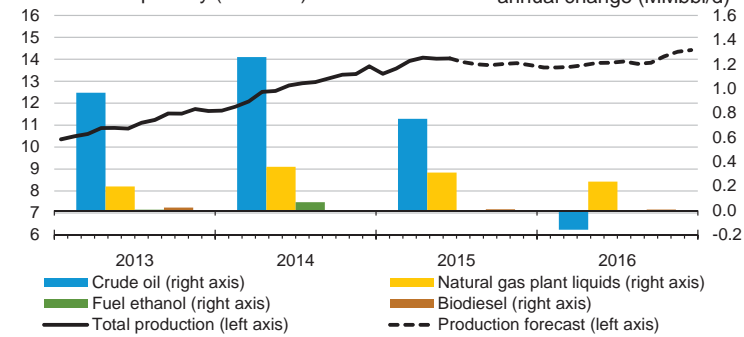
Note: Colored band around crude oil stocks days of supply represents the range between the minimum and maximum from Jan. 2010 - Dec. 2014.

Source: Short-Term Energy Outlook, July 2015.

U.S. Crude Oil and Liquid Fuels Production

million barrels per day (MMbbl/d)

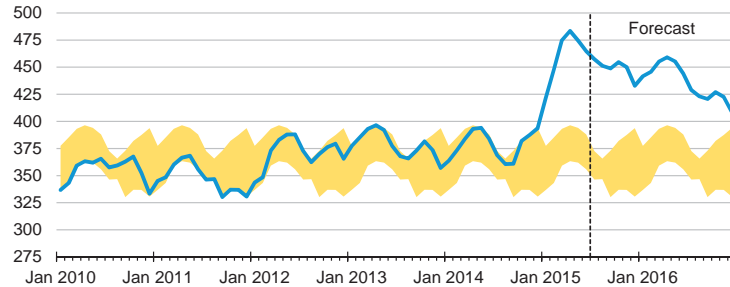
annual change (MMbbl/d)



Source: Short-Term Energy Outlook, July 2015.

U.S. Commercial Crude Oil Stocks

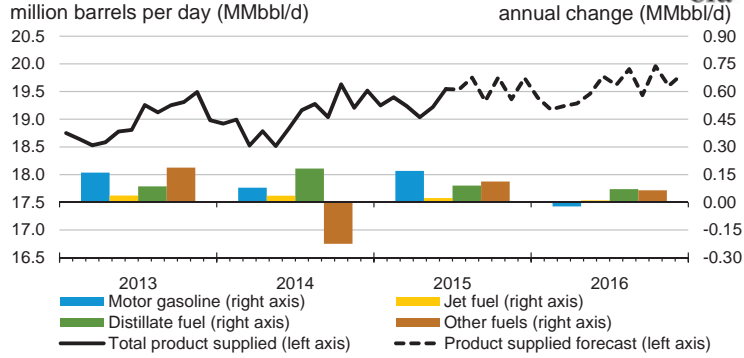
million barrels



Note: Colored band around storage levels represents the range between the minimum and maximum from Jan. 2010 - Dec. 2014.

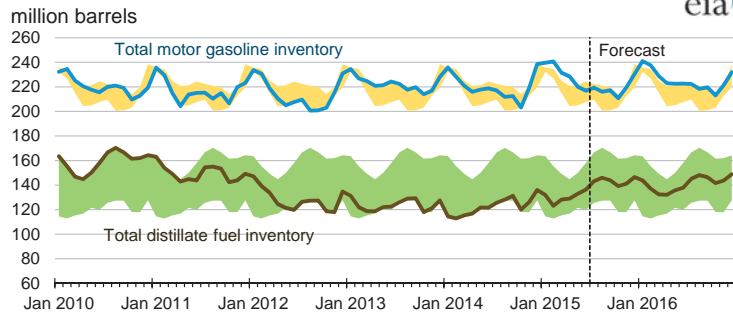
Source: Short-Term Energy Outlook, July 2015.

U.S. Liquid Fuels Product Supplied



Source: Short-Term Energy Outlook, July 2015.

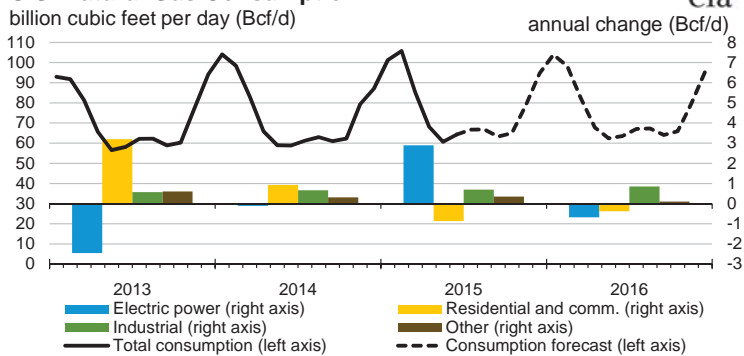
U.S. Gasoline and Distillate Inventories



Note: Colored bands around storage levels represent the range between the minimum and maximum from Jan. 2010 - Dec. 2014.

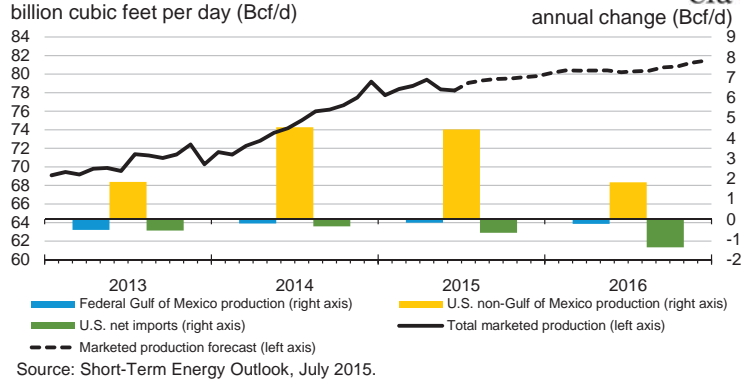
Source: Short-Term Energy Outlook, July 2015.

U.S. Natural Gas Consumption

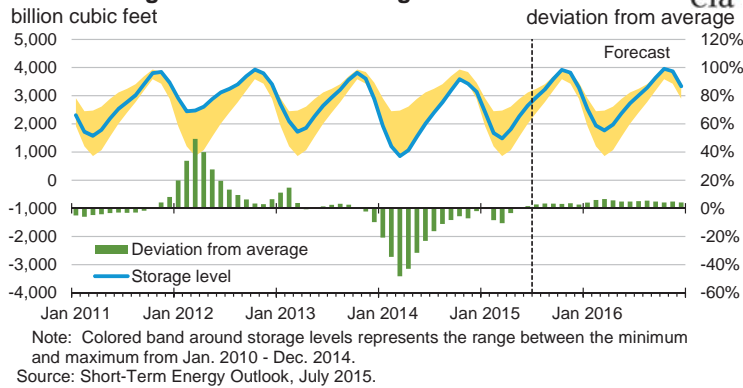


Source: Short-Term Energy Outlook, July 2015.

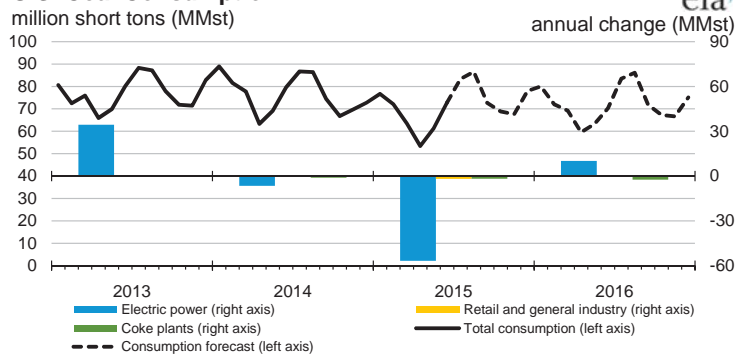
U.S. Natural Gas Production and Imports



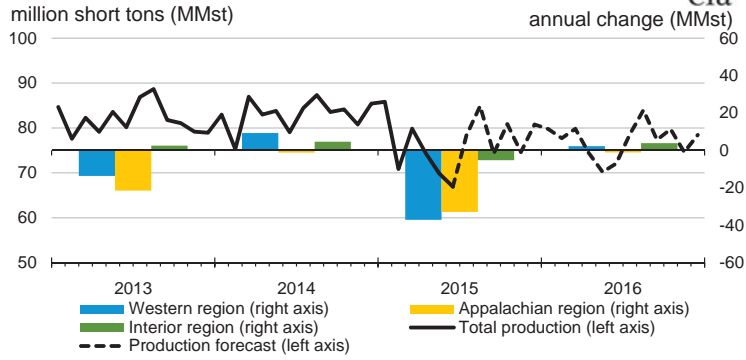
U.S. Working Natural Gas in Storage



U.S. Coal Consumption

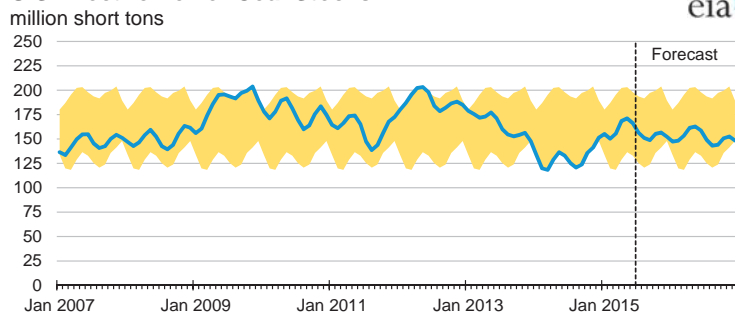


U.S. Coal Production



Source: Short-Term Energy Outlook, July 2015.

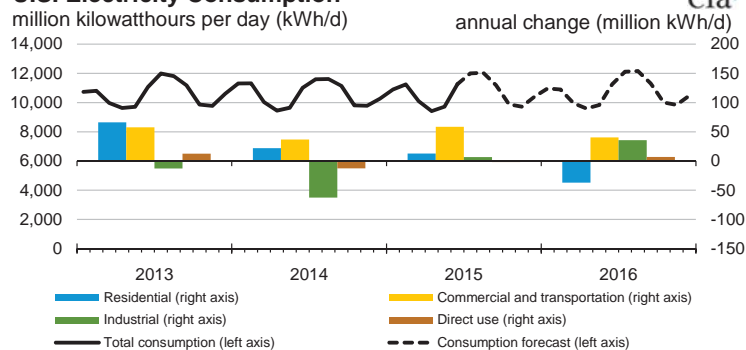
U.S. Electric Power Coal Stocks



Note: Colored band around stock levels represents the range between the minimum and maximum from Jan. 2007 - Dec. 2014.

Source: Short-Term Energy Outlook, July 2015.

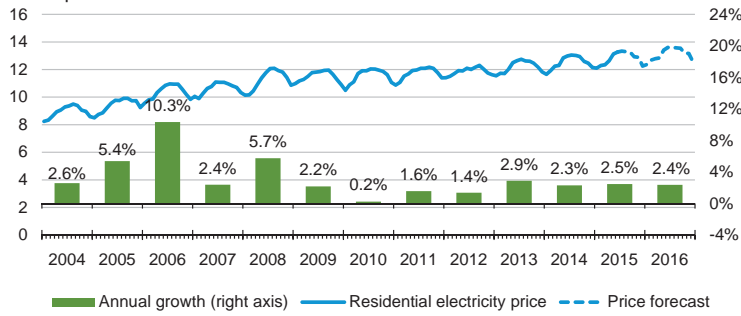
U.S. Electricity Consumption



Source: Short-Term Energy Outlook, July 2015.

U.S. Residential Electricity Price

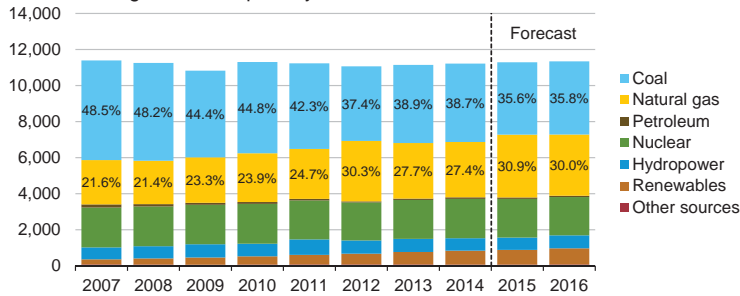
cents per kilowatthour



Source: Short-Term Energy Outlook, July 2015.

U.S. Electricity Generation by Fuel, All Sectors

thousand megawatthours per day

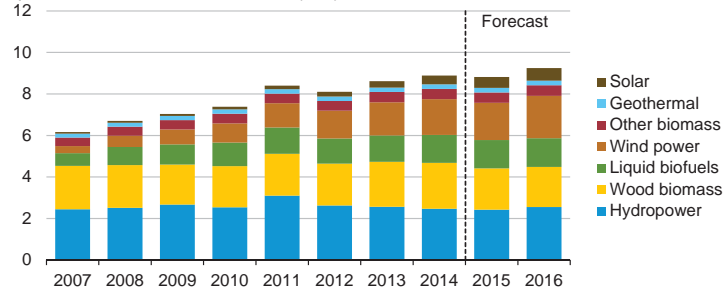


Note: Labels show percentage share of total generation provided by coal and natural gas.

Source: Short-Term Energy Outlook, July 2015.

U.S. Renewable Energy Supply

quadrillion British thermal units (Btu)

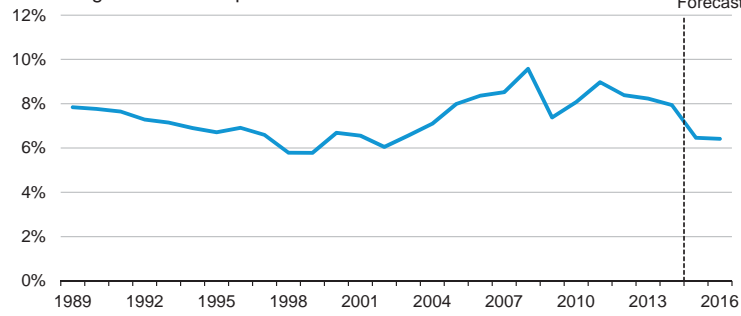


Note: Hydropower excludes pumped storage generation. Liquid biofuels include ethanol and biodiesel. Other biomass includes municipal waste from biogenic sources, landfill gas, and other non-wood waste.

Source: Short-Term Energy Outlook, July 2015.

U.S. Annual Energy Expenditures

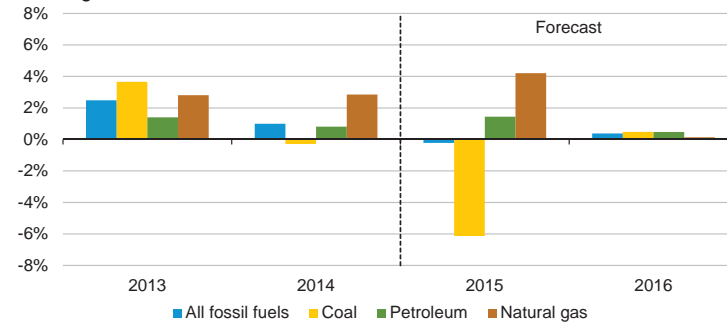
share of gross domestic product



Source: Short-Term Energy Outlook, July 2015.

U.S. Energy-Related Carbon Dioxide Emissions

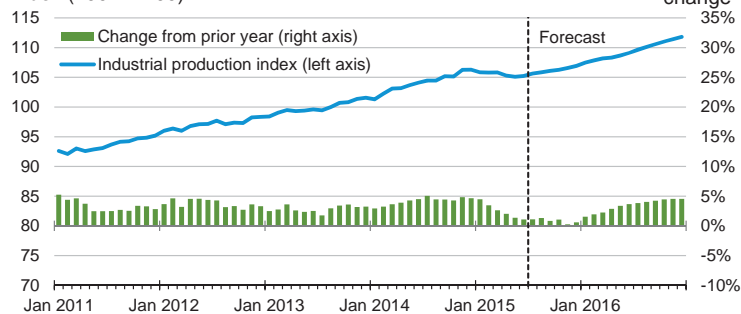
annual growth



Source: Short-Term Energy Outlook, July 2015.

U.S. Total Industrial Production Index

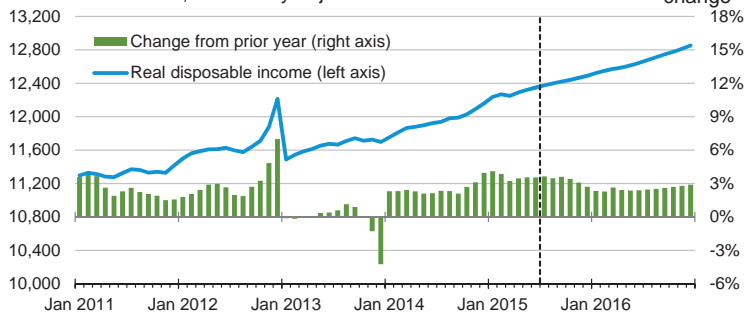
index (2007 = 100)



Source: Short-Term Energy Outlook, July 2015.

U.S. Disposable Income

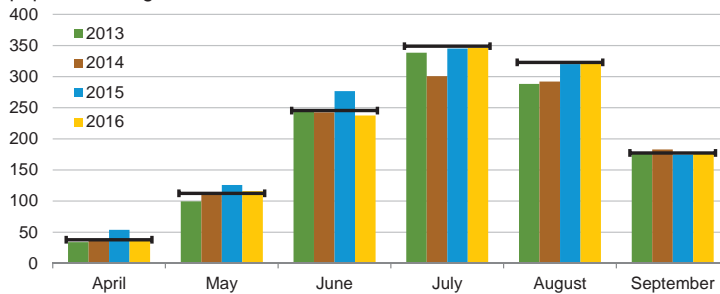
billion 2009 dollars, seasonally adjusted



Source: Short-Term Energy Outlook, July 2015.

U.S. Summer Cooling Degree Days

population-weighted

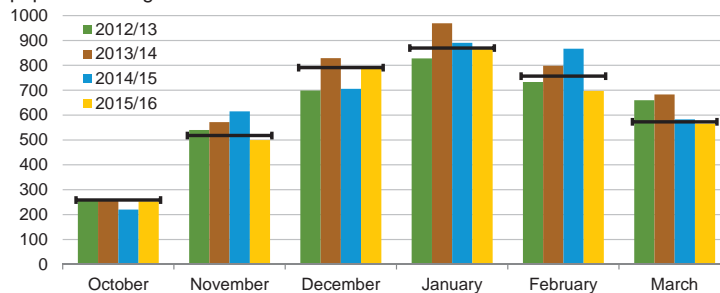


Note: EIA calculations based on from the National Oceanic and Atmospheric Administration data. Horizontal lines indicate each month's prior 10-year average (2005-2014). Projections reflect NOAA's 14-16 month outlook.

Source: Short-Term Energy Outlook, July 2015.

U.S. Winter Heating Degree Days

population-weighted



Note: EIA calculations based on National Oceanic and Atmospheric Administration (NOAA) data. Horizontal lines indicate each month's prior 10-year average (Oct 2005 - Mar 2015). Projections reflect NOAA's 14-16 month outlook.

Source: Short-Term Energy Outlook, July 2015.

U.S. Census Regions and Divisions



Source: Short-Term Energy Outlook, July 2015.

Table SF01. U.S. Motor Gasoline Summer Outlook

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2015

	2014			2015			Year-over-year Change (percent)		
	Q2	Q3	Season	Q2	Q3	Season	Q2	Q3	Season
Nominal Prices (dollars per gallon)									
WTI Crude Oil (Spot) ^a	2.46	2.33	2.39	<i>1.38</i>	<i>1.39</i>	<i>1.38</i>	<i>-44.0</i>	<i>-40.4</i>	<i>-42.2</i>
Brent Crude oil Price (Spot)	2.61	2.43	2.52	<i>1.47</i>	<i>1.50</i>	<i>1.48</i>	<i>-43.8</i>	<i>-38.2</i>	<i>-41.1</i>
U.S. Refiner Average Crude Oil Cost	2.41	2.30	2.35	<i>1.35</i>	<i>1.37</i>	<i>1.36</i>	<i>-44.0</i>	<i>-40.5</i>	<i>-42.3</i>
Wholesale Gasoline Price ^b	2.98	2.76	2.87	<i>1.99</i>	<i>1.90</i>	<i>1.95</i>	<i>-33.0</i>	<i>-31.1</i>	<i>-32.1</i>
Wholesale Diesel Fuel Price ^b	3.00	2.88	2.94	<i>1.89</i>	<i>1.90</i>	<i>1.89</i>	<i>-37.0</i>	<i>-34.1</i>	<i>-35.6</i>
Regular Gasoline Retail Price ^c	3.68	3.50	3.59	<i>2.67</i>	<i>2.63</i>	<i>2.65</i>	<i>-27.5</i>	<i>-24.8</i>	<i>-26.2</i>
Diesel Fuel Retail Price ^c	3.94	3.84	3.89	<i>2.85</i>	<i>2.81</i>	<i>2.83</i>	<i>-27.7</i>	<i>-26.7</i>	<i>-27.2</i>
Gasoline Consumption/Supply (million barrels per day)									
Total Consumption	9.010	9.098	9.054	<i>9.276</i>	<i>9.219</i>	<i>9.247</i>	<i>3.0</i>	<i>1.3</i>	<i>2.1</i>
Total Refinery and Blender Output ^d	7.872	8.026	7.950	<i>8.083</i>	<i>8.232</i>	<i>8.158</i>	<i>2.7</i>	<i>2.6</i>	<i>2.6</i>
Fuel Ethanol Blending	0.892	0.886	0.889	<i>0.910</i>	<i>0.898</i>	<i>0.904</i>	<i>2.1</i>	<i>1.4</i>	<i>1.7</i>
Total Stock Withdrawal ^e	0.023	0.069	0.046	<i>0.160</i>	<i>-0.003</i>	<i>0.078</i>			
Net Imports ^e	0.223	0.116	0.169	<i>0.122</i>	<i>0.092</i>	<i>0.107</i>	<i>-45.1</i>	<i>-20.5</i>	<i>-36.6</i>
Refinery Utilization (percent)	90.4	93.4	91.9	<i>92.9</i>	<i>93.3</i>	<i>93.1</i>			
Gasoline Stocks, Including Blending Components (million barrels)									
Beginning	220.9	218.8	220.9	<i>231.5</i>	<i>216.9</i>	<i>231.5</i>			
Ending	218.8	212.5	212.5	<i>216.9</i>	<i>217.2</i>	<i>217.2</i>			
Economic Indicators (annualized billion 2000 dollars)									
Real GDP	16,010	16,206	16,108	<i>16,344</i>	<i>16,455</i>	<i>16,400</i>	<i>2.1</i>	<i>1.5</i>	<i>1.8</i>
Real Income	11,900	11,970	11,935	<i>12,320</i>	<i>12,399</i>	<i>12,359</i>	<i>3.5</i>	<i>3.6</i>	<i>3.6</i>

^a Spot Price of West Texas Intermediate (WTI) crude oil.^b Price product sold by refiners to resellers.^c Average pump price including taxes.^d Refinery and blender net production plus finished motor gasoline adjustment.^e 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 and Brent crude oil spot prices). Macroeconomic projections are based on IHS Global Insight Macroeconomic Forecast Model.

Table SF02 Average Summer Residential Electricity Usage, Prices and Expenditures

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2015

	2010	2011	2012	2013	2014	Forecast 2015	Change from 2014
United States							
Usage (kWh)	3,471	3,444	3,354	3,126	3,021	3,132	3.7%
Price (cents/kWh)	12.00	12.06	12.09	12.67	13.02	13.30	2.2%
Expenditures	\$416	\$415	\$405	\$396	\$393	\$417	5.9%
New England							
Usage (kWh)	2,227	2,122	2,188	2,173	1,931	1,968	1.9%
Price (cents/kWh)	16.14	15.85	15.50	16.03	17.61	20.42	15.9%
Expenditures	\$359	\$336	\$339	\$348	\$340	\$402	18.1%
Mid-Atlantic							
Usage (kWh)	2,644	2,531	2,548	2,447	2,212	2,346	6.1%
Price (cents/kWh)	16.66	16.39	15.63	17.10	16.85	16.66	-1.1%
Expenditures	\$440	\$415	\$398	\$418	\$373	\$391	4.8%
East North Central							
Usage (kWh)	3,073	2,975	3,048	2,618	2,493	2,683	7.6%
Price (cents/kWh)	11.94	12.17	12.08	12.59	13.07	13.32	1.9%
Expenditures	\$367	\$362	\$368	\$329	\$326	\$357	9.7%
West North Central							
Usage (kWh)	3,558	3,517	3,547	3,098	2,996	3,150	5.2%
Price (cents/kWh)	10.74	11.16	11.50	12.64	12.45	12.67	1.7%
Expenditures	\$382	\$393	\$408	\$392	\$373	\$399	7.0%
South Atlantic							
Usage (kWh)	4,411	4,277	4,001	3,771	3,746	3,878	3.5%
Price (cents/kWh)	11.39	11.48	11.65	11.75	12.11	12.20	0.8%
Expenditures	\$502	\$491	\$466	\$443	\$454	\$473	4.3%
East South Central							
Usage (kWh)	4,902	4,750	4,467	4,078	4,001	4,207	5.1%
Price (cents/kWh)	9.90	10.28	10.36	10.71	11.09	11.14	0.5%
Expenditures	\$485	\$488	\$463	\$437	\$444	\$469	5.6%
West South Central							
Usage (kWh)	4,830	5,231	4,781	4,507	4,271	4,311	0.9%
Price (cents/kWh)	10.86	10.64	10.27	10.94	11.41	11.61	1.7%
Expenditures	\$525	\$557	\$491	\$493	\$487	\$500	2.7%
Mountain							
Usage (kWh)	3,340	3,322	3,440	3,380	3,231	3,356	3.9%
Price (cents/kWh)	11.25	11.29	11.55	11.97	12.37	12.66	2.4%
Expenditures	\$376	\$375	\$397	\$405	\$400	\$425	6.3%
Pacific							
Usage (kWh)	2,006	2,022	2,079	2,026	2,076	2,046	-1.4%
Price (cents/kWh)	12.95	13.22	13.78	14.47	15.20	16.28	7.1%
Expenditures	\$260	\$267	\$286	\$293	\$316	\$333	5.6%

Notes: kWh = kilowatthours. All data cover the 3-month period of June-August of each year. Usage amounts represent total residential retail electricity sales per customer. Prices and expenditures are not adjusted for inflation.

Source: EIA Form-861 and Form-826 databases, Short-Term Energy Outlook.

Table 1. U.S. Energy Markets Summary

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2015

	2014				2015				2016				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2014	2015	2016
Energy Supply															
Crude Oil Production (a) (million barrels per day)	8.14	8.62	8.85	9.26	9.48	<i>9.65</i>	<i>9.41</i>	<i>9.35</i>	<i>9.22</i>	<i>9.26</i>	<i>9.23</i>	<i>9.55</i>	8.72	<i>9.47</i>	<i>9.32</i>
Dry Natural Gas Production (billion cubic feet per day)	67.84	69.33	71.30	73.31	73.83	<i>74.02</i>	<i>74.62</i>	<i>74.97</i>	<i>75.58</i>	<i>75.61</i>	<i>75.73</i>	<i>76.37</i>	70.46	<i>74.37</i>	<i>75.82</i>
Coal Production (million short tons)	245	246	255	250	237	<i>211</i>	<i>238</i>	<i>236</i>	<i>237</i>	<i>217</i>	<i>240</i>	<i>233</i>	997	<i>921</i>	<i>927</i>
Energy Consumption															
Liquid Fuels (million barrels per day)	18.81	18.71	19.16	19.45	19.29	<i>19.27</i>	<i>19.54</i>	<i>19.62</i>	<i>19.27</i>	<i>19.50</i>	<i>19.65</i>	<i>19.79</i>	19.03	<i>19.43</i>	<i>19.56</i>
Natural Gas (billion cubic feet per day)	95.10	61.20	61.75	76.19	97.07	<i>64.31</i>	<i>65.61</i>	<i>79.51</i>	<i>94.64</i>	<i>64.56</i>	<i>66.15</i>	<i>80.49</i>	73.48	<i>76.55</i>	<i>76.44</i>
Coal (b) (million short tons)	248	212	247	209	212	<i>187</i>	<i>243</i>	<i>214</i>	<i>221</i>	<i>193</i>	<i>241</i>	<i>209</i>	917	<i>857</i>	<i>865</i>
Electricity (billion kilowatt hours per day)	10.87	10.04	11.46	9.95	10.73	<i>10.12</i>	<i>11.75</i>	<i>10.01</i>	<i>10.60</i>	<i>10.22</i>	<i>11.86</i>	<i>10.11</i>	10.58	<i>10.65</i>	<i>10.70</i>
Renewables (c) (quadrillion Btu)	2.37	2.57	2.28	2.40	2.42	<i>2.54</i>	<i>2.27</i>	<i>2.33</i>	<i>2.41</i>	<i>2.73</i>	<i>2.44</i>	<i>2.44</i>	9.61	<i>9.56</i>	<i>10.03</i>
Total Energy Consumption (d) (quadrillion Btu)	26.59	23.01	24.07	24.79	26.40	<i>22.98</i>	<i>24.14</i>	<i>24.78</i>	<i>26.12</i>	<i>23.22</i>	<i>24.41</i>	<i>24.97</i>	98.46	<i>98.30</i>	<i>98.72</i>
Energy Prices															
Crude Oil (e) (dollars per barrel)	97.60	101.08	96.45	73.48	47.98	<i>56.65</i>	<i>57.34</i>	<i>56.00</i>	<i>57.66</i>	<i>61.34</i>	<i>64.02</i>	<i>60.99</i>	92.05	<i>54.60</i>	<i>61.07</i>
Natural Gas Henry Hub Spot (dollars per million Btu)	5.21	4.61	3.96	3.80	2.90	<i>2.75</i>	<i>3.06</i>	<i>3.17</i>	<i>3.31</i>	<i>3.09</i>	<i>3.36</i>	<i>3.50</i>	4.39	<i>2.97</i>	<i>3.31</i>
Coal (dollars per million Btu)	2.33	2.39	2.37	2.37	2.26	<i>2.30</i>	<i>2.31</i>	<i>2.29</i>	<i>2.29</i>	<i>2.32</i>	<i>2.32</i>	<i>2.28</i>	2.36	<i>2.29</i>	<i>2.30</i>
Macroeconomic															
Real Gross Domestic Product (billion chained 2009 dollars - SAAR)	15,832	16,010	16,206	16,295	16,264	<i>16,344</i>	<i>16,455</i>	<i>16,570</i>	<i>16,693</i>	<i>16,809</i>	<i>16,934</i>	<i>17,061</i>	16,086	<i>16,408</i>	<i>16,874</i>
Percent change from prior year	1.9	2.6	2.7	2.4	2.7	<i>2.1</i>	<i>1.5</i>	<i>1.7</i>	<i>2.6</i>	<i>2.8</i>	<i>2.9</i>	<i>3.0</i>	2.4	<i>2.0</i>	<i>2.8</i>
GDP Implicit Price Deflator (Index, 2009=100)	107.7	108.3	108.6	108.7	108.7	<i>109.3</i>	<i>109.8</i>	<i>110.3</i>	<i>111.0</i>	<i>111.6</i>	<i>112.1</i>	<i>112.7</i>	108.3	<i>109.5</i>	<i>111.9</i>
Percent change from prior year	1.4	1.7	1.6	1.2	0.9	<i>1.0</i>	<i>1.0</i>	<i>1.5</i>	<i>2.2</i>	<i>2.1</i>	<i>2.1</i>	<i>2.1</i>	1.5	<i>1.1</i>	<i>2.1</i>
Real Disposable Personal Income (billion chained 2009 dollars - SAAR)	11,810	11,900	11,970	12,093	12,251	<i>12,320</i>	<i>12,399</i>	<i>12,464</i>	<i>12,548</i>	<i>12,615</i>	<i>12,712</i>	<i>12,813</i>	11,943	<i>12,358</i>	<i>12,672</i>
Percent change from prior year	2.4	2.2	2.3	3.3	3.7	<i>3.5</i>	<i>3.6</i>	<i>3.1</i>	<i>2.4</i>	<i>2.4</i>	<i>2.5</i>	<i>2.8</i>	2.5	<i>3.5</i>	<i>2.5</i>
Manufacturing Production Index (Index, 2007=100)	99.4	101.2	102.4	103.5	103.2	<i>103.4</i>	<i>104.0</i>	<i>104.9</i>	<i>106.2</i>	<i>107.2</i>	<i>108.7</i>	<i>110.1</i>	101.6	<i>103.9</i>	<i>108.0</i>
Percent change from prior year	2.4	3.8	4.6	4.5	3.8	<i>2.2</i>	<i>1.6</i>	<i>1.4</i>	<i>3.0</i>	<i>3.7</i>	<i>4.5</i>	<i>4.9</i>	3.8	<i>2.2</i>	<i>4.0</i>
Weather															
U.S. Heating Degree-Days	2,450	479	81	1,541	2,341	<i>441</i>	<i>76</i>	<i>1,544</i>	<i>2,128</i>	<i>478</i>	<i>75</i>	<i>1,542</i>	4,551	<i>4,402</i>	<i>4,223</i>
U.S. Cooling Degree-Days	34	394	776	96	47	<i>456</i>	<i>840</i>	<i>91</i>	<i>38</i>	<i>391</i>	<i>847</i>	<i>91</i>	1,300	<i>1,434</i>	<i>1,367</i>

- = no data available

Prices are not adjusted for inflation.

(a) Includes lease condensate.

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

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

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

(d) The conversion from physical units to Btu is calculated using a subset of conversion factors used in the calculations of gross energy consumption in EIA's Monthly Energy Review. 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: 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 2015

	2014				2015				2016				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2014	2015	2016
Crude Oil (dollars per barrel)															
West Texas Intermediate Spot Average	98.68	103.35	97.87	73.21	48.48	<i>57.85</i>	<i>58.35</i>	<i>57.00</i>	<i>58.69</i>	<i>62.36</i>	<i>64.98</i>	<i>61.98</i>	93.17	<i>55.51</i>	<i>62.04</i>
Brent Spot Average	108.14	109.70	101.90	76.43	53.91	<i>61.66</i>	<i>63.00</i>	<i>62.00</i>	<i>63.69</i>	<i>67.36</i>	<i>69.98</i>	<i>66.98</i>	98.89	<i>60.22</i>	<i>67.04</i>
Imported Average	94.18	98.64	93.85	71.45	46.40	<i>54.85</i>	<i>54.84</i>	<i>53.50</i>	<i>55.15</i>	<i>58.80</i>	<i>61.51</i>	<i>58.52</i>	89.65	<i>52.35</i>	<i>58.58</i>
Refiner Average Acquisition Cost	97.60	101.08	96.45	73.48	47.98	<i>56.65</i>	<i>57.34</i>	<i>56.00</i>	<i>57.66</i>	<i>61.34</i>	<i>64.02</i>	<i>60.99</i>	92.05	<i>54.60</i>	<i>61.07</i>
Liquid Fuels (cents per gallon)															
Refiner Prices for Resale															
Gasoline	272	298	276	203	159	<i>199</i>	<i>190</i>	<i>161</i>	<i>171</i>	<i>198</i>	<i>197</i>	<i>170</i>	262	<i>178</i>	<i>184</i>
Diesel Fuel	303	300	288	240	176	<i>189</i>	<i>190</i>	<i>193</i>	<i>198</i>	<i>210</i>	<i>215</i>	<i>209</i>	282	<i>187</i>	<i>208</i>
Heating Oil	303	289	276	228	178	<i>180</i>	<i>180</i>	<i>189</i>	<i>193</i>	<i>195</i>	<i>201</i>	<i>203</i>	274	<i>183</i>	<i>198</i>
Refiner Prices to End Users															
Jet Fuel	297	295	289	234	172	<i>182</i>	<i>182</i>	<i>187</i>	<i>193</i>	<i>205</i>	<i>209</i>	<i>202</i>	278	<i>181</i>	<i>202</i>
No. 6 Residual Fuel Oil (a)	249	244	243	194	137	<i>150</i>	<i>147</i>	<i>144</i>	<i>144</i>	<i>148</i>	<i>157</i>	<i>152</i>	230	<i>144</i>	<i>150</i>
Retail Prices Including Taxes															
Gasoline Regular Grade (b)	340	368	350	288	227	<i>267</i>	<i>263</i>	<i>234</i>	<i>239</i>	<i>268</i>	<i>268</i>	<i>243</i>	336	<i>248</i>	<i>255</i>
Gasoline All Grades (b)	348	375	358	296	236	<i>275</i>	<i>272</i>	<i>243</i>	<i>248</i>	<i>277</i>	<i>276</i>	<i>251</i>	344	<i>257</i>	<i>263</i>
On-highway Diesel Fuel	396	394	384	358	292	<i>285</i>	<i>281</i>	<i>286</i>	<i>292</i>	<i>306</i>	<i>310</i>	<i>306</i>	383	<i>286</i>	<i>303</i>
Heating Oil	397	382	369	330	288	<i>276</i>	<i>271</i>	<i>283</i>	<i>288</i>	<i>287</i>	<i>286</i>	<i>293</i>	372	<i>284</i>	<i>289</i>
Natural Gas															
Henry Hub Spot (dollars per thousand cubic feet)	5.36	4.75	4.08	3.91	2.99	<i>2.83</i>	<i>3.15</i>	<i>3.27</i>	<i>3.41</i>	<i>3.18</i>	<i>3.46</i>	<i>3.60</i>	4.52	<i>3.06</i>	<i>3.41</i>
Henry Hub Spot (dollars per Million Btu)	5.21	4.61	3.96	3.80	2.90	<i>2.75</i>	<i>3.06</i>	<i>3.17</i>	<i>3.31</i>	<i>3.09</i>	<i>3.36</i>	<i>3.50</i>	4.39	<i>2.97</i>	<i>3.31</i>
End-Use Prices (dollars per thousand cubic feet)															
Industrial Sector	6.17	5.62	5.06	5.16	4.56	<i>3.78</i>	<i>3.95</i>	<i>4.33</i>	<i>4.61</i>	<i>4.06</i>	<i>4.32</i>	<i>4.69</i>	5.53	<i>4.17</i>	<i>4.44</i>
Commercial Sector	8.66	9.64	9.69	8.51	7.95	<i>8.08</i>	<i>8.67</i>	<i>8.06</i>	<i>8.15</i>	<i>8.41</i>	<i>9.07</i>	<i>8.47</i>	8.87	<i>8.07</i>	<i>8.38</i>
Residential Sector	9.82	13.11	16.92	10.52	9.29	<i>11.60</i>	<i>15.90</i>	<i>10.20</i>	<i>9.21</i>	<i>12.02</i>	<i>16.28</i>	<i>10.37</i>	10.94	<i>10.27</i>	<i>10.39</i>
Electricity															
Power Generation Fuel Costs (dollars per million Btu)															
Coal	2.33	2.39	2.37	2.37	2.26	<i>2.30</i>	<i>2.31</i>	<i>2.29</i>	<i>2.29</i>	<i>2.32</i>	<i>2.32</i>	<i>2.28</i>	2.36	<i>2.29</i>	<i>2.30</i>
Natural Gas	6.82	4.93	4.25	4.30	4.09	<i>3.40</i>	<i>3.79</i>	<i>4.14</i>	<i>4.24</i>	<i>3.81</i>	<i>4.06</i>	<i>4.42</i>	4.98	<i>3.84</i>	<i>4.12</i>
Residual Fuel Oil (c)	19.97	20.44	19.75	14.72	10.82	<i>11.61</i>	<i>11.99</i>	<i>11.98</i>	<i>11.90</i>	<i>12.83</i>	<i>13.06</i>	<i>12.88</i>	19.18	<i>11.38</i>	<i>12.66</i>
Distillate Fuel Oil	23.40	22.77	21.88	18.72	15.39	<i>16.46</i>	<i>16.31</i>	<i>17.11</i>	<i>17.41</i>	<i>17.83</i>	<i>18.21</i>	<i>18.60</i>	22.34	<i>16.09</i>	<i>17.97</i>
End-Use Prices (cents per kilowatthour)															
Industrial Sector	6.99	6.92	7.36	6.76	6.76	<i>6.89</i>	<i>7.59</i>	<i>6.85</i>	<i>6.91</i>	<i>7.00</i>	<i>7.68</i>	<i>6.91</i>	7.01	<i>7.04</i>	<i>7.14</i>
Commercial Sector	10.55	10.68	11.11	10.59	10.50	<i>10.79</i>	<i>11.50</i>	<i>10.80</i>	<i>10.78</i>	<i>11.04</i>	<i>11.73</i>	<i>11.01</i>	10.75	<i>10.92</i>	<i>11.17</i>
Residential Sector	11.91	12.73	13.01	12.38	12.24	<i>13.04</i>	<i>13.30</i>	<i>12.65</i>	<i>12.59</i>	<i>13.31</i>	<i>13.58</i>	<i>12.94</i>	12.50	<i>12.81</i>	<i>13.12</i>

- = no data available

Prices are not adjusted for inflation.

(a) Average for all sulfur contents.

(b) Average self-service cash price.

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

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

Prices exclude taxes unless otherwise noted.

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

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

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

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

Projections: EIA Regional Short-Term Energy Model.

Table 3a. International Petroleum and Other Liquids Production, Consumption, and Inventories

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2015

	2014				2015				2016				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2014	2015	2016
Supply (million barrels per day) (a)															
OECD	25.10	25.48	25.75	26.70	26.64	<i>26.87</i>	<i>26.79</i>	<i>26.93</i>	<i>26.68</i>	<i>26.89</i>	<i>27.04</i>	<i>27.61</i>	25.76	<i>26.81</i>	<i>27.05</i>
U.S. (50 States)	13.13	13.93	14.31	14.78	14.81	<i>15.30</i>	<i>15.10</i>	<i>15.09</i>	<i>14.90</i>	<i>15.11</i>	<i>15.18</i>	<i>15.63</i>	14.04	<i>15.08</i>	<i>15.20</i>
Canada	4.42	4.27	4.33	4.55	4.68	<i>4.66</i>	<i>4.78</i>	<i>4.92</i>	<i>4.94</i>	<i>5.01</i>	<i>5.11</i>	<i>5.23</i>	4.39	<i>4.76</i>	<i>5.07</i>
Mexico	2.89	2.86	2.79	2.74	2.68	<i>2.57</i>	<i>2.61</i>	<i>2.59</i>	<i>2.54</i>	<i>2.52</i>	<i>2.50</i>	<i>2.48</i>	2.82	<i>2.61</i>	<i>2.51</i>
North Sea (b)	3.08	2.82	2.72	3.03	2.98	<i>2.77</i>	<i>2.68</i>	<i>2.75</i>	<i>2.71</i>	<i>2.66</i>	<i>2.64</i>	<i>2.68</i>	2.91	<i>2.79</i>	<i>2.67</i>
Other OECD	1.58	1.60	1.61	1.59	1.50	<i>1.57</i>	<i>1.62</i>	<i>1.58</i>	<i>1.59</i>	<i>1.59</i>	<i>1.61</i>	<i>1.59</i>	1.60	<i>1.57</i>	<i>1.59</i>
Non-OECD	66.79	67.01	67.88	68.31	67.85	<i>68.82</i>	<i>69.10</i>	<i>68.80</i>	<i>67.93</i>	<i>68.61</i>	<i>69.01</i>	<i>68.89</i>	67.50	<i>68.65</i>	<i>68.61</i>
OPEC	36.26	35.94	36.52	36.66	36.57	<i>37.21</i>	<i>37.29</i>	<i>37.28</i>	<i>36.96</i>	<i>37.07</i>	<i>37.17</i>	<i>37.28</i>	36.35	<i>37.09</i>	<i>37.12</i>
Crude Oil Portion	30.01	29.70	30.28	30.34	30.29	<i>30.84</i>	<i>30.87</i>	<i>30.82</i>	<i>30.45</i>	<i>30.52</i>	<i>30.58</i>	<i>30.65</i>	30.08	<i>30.71</i>	<i>30.55</i>
Other Liquids	6.25	6.24	6.24	6.32	6.27	<i>6.38</i>	<i>6.42</i>	<i>6.46</i>	<i>6.51</i>	<i>6.55</i>	<i>6.59</i>	<i>6.63</i>	6.26	<i>6.38</i>	<i>6.57</i>
Eurasia	13.90	13.84	13.85	14.01	14.05	<i>13.96</i>	<i>13.89</i>	<i>13.87</i>	<i>13.83</i>	<i>13.80</i>	<i>13.84</i>	<i>13.83</i>	13.90	<i>13.94</i>	<i>13.82</i>
China	4.57	4.58	4.51	4.66	4.62	<i>4.62</i>	<i>4.61</i>	<i>4.61</i>	<i>4.59</i>	<i>4.62</i>	<i>4.63</i>	<i>4.63</i>	4.58	<i>4.61</i>	<i>4.62</i>
Other Non-OECD	12.07	12.65	13.00	12.98	12.62	<i>13.03</i>	<i>13.31</i>	<i>13.04</i>	<i>12.56</i>	<i>13.11</i>	<i>13.38</i>	<i>13.15</i>	12.68	<i>13.00</i>	<i>13.05</i>
Total World Supply	91.89	92.49	93.64	95.01	94.50	<i>95.70</i>	<i>95.89</i>	<i>95.73</i>	<i>94.61</i>	<i>95.50</i>	<i>96.05</i>	<i>96.49</i>	93.27	<i>95.46</i>	<i>95.67</i>
Non-OPEC Supply	55.64	56.55	57.12	58.35	57.93	<i>58.48</i>	<i>58.60</i>	<i>58.45</i>	<i>57.65</i>	<i>58.42</i>	<i>58.88</i>	<i>59.22</i>	56.92	<i>58.37</i>	<i>58.55</i>
Consumption (million barrels per day) (c)															
OECD	45.73	44.77	45.81	46.37	46.47	<i>45.23</i>	<i>46.04</i>	<i>46.67</i>	<i>46.60</i>	<i>45.59</i>	<i>46.27</i>	<i>46.95</i>	45.67	<i>46.10</i>	<i>46.36</i>
U.S. (50 States)	18.81	18.71	19.16	19.45	19.29	<i>19.27</i>	<i>19.54</i>	<i>19.62</i>	<i>19.27</i>	<i>19.50</i>	<i>19.65</i>	<i>19.79</i>	19.03	<i>19.43</i>	<i>19.56</i>
U.S. Territories	0.35	0.35	0.35	0.35	0.37	<i>0.37</i>	<i>0.37</i>	<i>0.37</i>	<i>0.40</i>	<i>0.40</i>	<i>0.40</i>	<i>0.40</i>	0.35	<i>0.37</i>	<i>0.40</i>
Canada	2.43	2.34	2.46	2.43	2.41	<i>2.32</i>	<i>2.43</i>	<i>2.41</i>	<i>2.38</i>	<i>2.32</i>	<i>2.43</i>	<i>2.41</i>	2.41	<i>2.39</i>	<i>2.38</i>
Europe	12.97	13.38	13.84	13.50	13.48	<i>13.22</i>	<i>13.66</i>	<i>13.62</i>	<i>13.60</i>	<i>13.32</i>	<i>13.77</i>	<i>13.72</i>	13.43	<i>13.50</i>	<i>13.60</i>
Japan	5.02	3.88	3.88	4.43	4.59	<i>3.85</i>	<i>3.88</i>	<i>4.25</i>	<i>4.51</i>	<i>3.80</i>	<i>3.83</i>	<i>4.19</i>	4.30	<i>4.14</i>	<i>4.08</i>
Other OECD	6.14	6.11	6.11	6.21	6.32	<i>6.20</i>	<i>6.15</i>	<i>6.39</i>	<i>6.44</i>	<i>6.25</i>	<i>6.20</i>	<i>6.44</i>	6.14	<i>6.27</i>	<i>6.33</i>
Non-OECD	45.63	46.96	47.35	46.81	46.31	<i>47.89</i>	<i>48.22</i>	<i>47.66</i>	<i>47.42</i>	<i>49.06</i>	<i>49.39</i>	<i>48.81</i>	46.69	<i>47.53</i>	<i>48.67</i>
Eurasia	4.82	4.76	4.98	4.96	4.61	<i>4.55</i>	<i>4.82</i>	<i>4.80</i>	<i>4.53</i>	<i>4.47</i>	<i>4.73</i>	<i>4.71</i>	4.88	<i>4.70</i>	<i>4.61</i>
Europe	0.70	0.71	0.73	0.73	0.71	<i>0.72</i>	<i>0.74</i>	<i>0.74</i>	<i>0.72</i>	<i>0.73</i>	<i>0.75</i>	<i>0.75</i>	0.72	<i>0.73</i>	<i>0.73</i>
China	10.45	11.03	10.98	10.94	10.77	<i>11.36</i>	<i>11.32</i>	<i>11.27</i>	<i>11.10</i>	<i>11.71</i>	<i>11.66</i>	<i>11.61</i>	10.85	<i>11.18</i>	<i>11.52</i>
Other Asia	11.80	12.01	11.56	11.88	12.10	<i>12.32</i>	<i>11.86</i>	<i>12.18</i>	<i>12.50</i>	<i>12.72</i>	<i>12.24</i>	<i>12.57</i>	11.81	<i>12.12</i>	<i>12.51</i>
Other Non-OECD	17.86	18.46	19.10	18.31	18.11	<i>18.94</i>	<i>19.50</i>	<i>18.68</i>	<i>18.57</i>	<i>19.43</i>	<i>20.02</i>	<i>19.16</i>	18.43	<i>18.81</i>	<i>19.30</i>
Total World Consumption	91.36	91.73	93.15	93.18	92.77	<i>93.12</i>	<i>94.26</i>	<i>94.33</i>	<i>94.02</i>	<i>94.65</i>	<i>95.67</i>	<i>95.75</i>	92.36	<i>93.63</i>	<i>95.03</i>
Inventory Net Withdrawals (million barrels per day)															
U.S. (50 States)	0.09	-0.67	-0.23	-0.23	-0.58	<i>-0.50</i>	<i>-0.12</i>	<i>0.62</i>	<i>0.14</i>	<i>-0.21</i>	<i>0.03</i>	<i>0.59</i>	-0.26	<i>-0.14</i>	<i>0.14</i>
Other OECD	-0.31	-0.05	-0.49	0.34	-0.25	<i>-0.73</i>	<i>-0.53</i>	<i>-0.73</i>	<i>-0.26</i>	<i>-0.22</i>	<i>-0.14</i>	<i>-0.48</i>	-0.12	<i>-0.56</i>	<i>-0.28</i>
Other Stock Draws and Balance	-0.31	-0.04	0.24	-1.94	-0.90	<i>-1.35</i>	<i>-0.97</i>	<i>-1.29</i>	<i>-0.46</i>	<i>-0.42</i>	<i>-0.27</i>	<i>-0.85</i>	-0.52	<i>-1.13</i>	<i>-0.50</i>
Total Stock Draw	-0.53	-0.75	-0.48	-1.84	-1.73	<i>-2.58</i>	<i>-1.62</i>	<i>-1.40</i>	<i>-0.58</i>	<i>-0.85</i>	<i>-0.39</i>	<i>-0.74</i>	-0.90	<i>-1.83</i>	<i>-0.64</i>
End-of-period Inventories (million barrels)															
U.S. Commercial Inventory	1,057	1,123	1,144	1,165	1,217	<i>1,260</i>	<i>1,271</i>	<i>1,214</i>	<i>1,201</i>	<i>1,221</i>	<i>1,218</i>	<i>1,164</i>	1,165	<i>1,214</i>	<i>1,164</i>
OECD Commercial Inventory	2,568	2,636	2,705	2,693	2,770	<i>2,879</i>	<i>2,939</i>	<i>2,950</i>	<i>2,961</i>	<i>3,000</i>	<i>3,011</i>	<i>3,001</i>	2,693	<i>2,950</i>	<i>3,001</i>

- = no data available

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

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

(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.

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

Projections: EIA Regional Short-Term Energy Model.

Table 3b. Non-OPEC Petroleum and Other Liquids Supply (million barrels per day)

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2015

	2014				2015				2016				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2014	2015	2016
North America	20.44	21.06	21.43	22.08	22.17	<i>22.53</i>	<i>22.49</i>	<i>22.60</i>	<i>22.38</i>	<i>22.64</i>	<i>22.79</i>	<i>23.34</i>	21.26	<i>22.45</i>	<i>22.79</i>
Canada	4.42	4.27	4.33	4.55	4.68	<i>4.66</i>	<i>4.78</i>	<i>4.92</i>	<i>4.94</i>	<i>5.01</i>	<i>5.11</i>	<i>5.23</i>	4.39	<i>4.76</i>	<i>5.07</i>
Mexico	2.89	2.86	2.79	2.74	2.68	<i>2.57</i>	<i>2.61</i>	<i>2.59</i>	<i>2.54</i>	<i>2.52</i>	<i>2.50</i>	<i>2.48</i>	2.82	<i>2.61</i>	<i>2.51</i>
United States	13.13	13.93	14.31	14.78	14.81	<i>15.30</i>	<i>15.10</i>	<i>15.09</i>	<i>14.90</i>	<i>15.11</i>	<i>15.18</i>	<i>15.63</i>	14.04	<i>15.08</i>	<i>15.20</i>
Central and South America	4.55	5.17	5.56	5.39	4.96	<i>5.44</i>	<i>5.69</i>	<i>5.43</i>	<i>4.99</i>	<i>5.54</i>	<i>5.78</i>	<i>5.52</i>	5.17	<i>5.38</i>	<i>5.46</i>
Argentina	0.70	0.71	0.73	0.73	0.69	<i>0.72</i>	<i>0.74</i>	<i>0.74</i>	<i>0.69</i>	<i>0.73</i>	<i>0.75</i>	<i>0.75</i>	0.72	<i>0.72</i>	<i>0.73</i>
Brazil	2.34	2.98	3.32	3.15	2.73	<i>3.21</i>	<i>3.44</i>	<i>3.17</i>	<i>2.75</i>	<i>3.28</i>	<i>3.51</i>	<i>3.24</i>	2.95	<i>3.14</i>	<i>3.20</i>
Colombia	1.03	0.99	1.02	1.03	1.06	<i>1.02</i>	<i>1.01</i>	<i>1.03</i>	<i>1.05</i>	<i>1.02</i>	<i>1.01</i>	<i>1.02</i>	1.02	<i>1.03</i>	<i>1.02</i>
Other Central and S. America	0.49	0.49	0.49	0.49	0.48	<i>0.49</i>	<i>0.50</i>	<i>0.50</i>	<i>0.50</i>	<i>0.51</i>	<i>0.51</i>	<i>0.50</i>	0.49	<i>0.49</i>	<i>0.50</i>
Europe	4.06	3.81	3.70	4.03	3.96	<i>3.74</i>	<i>3.66</i>	<i>3.72</i>	<i>3.67</i>	<i>3.61</i>	<i>3.60</i>	<i>3.64</i>	3.90	<i>3.77</i>	<i>3.63</i>
Norway	1.97	1.80	1.87	1.98	1.91	<i>1.79</i>	<i>1.77</i>	<i>1.85</i>	<i>1.82</i>	<i>1.80</i>	<i>1.82</i>	<i>1.83</i>	1.90	<i>1.83</i>	<i>1.82</i>
United Kingdom (offshore)	0.93	0.85	0.66	0.84	0.86	<i>0.81</i>	<i>0.74</i>	<i>0.73</i>	<i>0.72</i>	<i>0.68</i>	<i>0.64</i>	<i>0.66</i>	0.82	<i>0.78</i>	<i>0.67</i>
Other North Sea	0.18	0.16	0.19	0.21	0.20	<i>0.18</i>	<i>0.17</i>	<i>0.17</i>	<i>0.18</i>	<i>0.18</i>	<i>0.17</i>	<i>0.18</i>	0.19	<i>0.18</i>	<i>0.18</i>
Eurasia	13.91	13.85	13.87	14.02	14.07	<i>13.97</i>	<i>13.91</i>	<i>13.88</i>	<i>13.84</i>	<i>13.82</i>	<i>13.85</i>	<i>13.84</i>	13.91	<i>13.96</i>	<i>13.84</i>
Azerbaijan	0.85	0.86	0.88	0.84	0.86	<i>0.87</i>	<i>0.88</i>	<i>0.88</i>	<i>0.88</i>	<i>0.88</i>	<i>0.87</i>	<i>0.87</i>	0.86	<i>0.87</i>	<i>0.87</i>
Kazakhstan	1.73	1.66	1.71	1.78	1.76	<i>1.73</i>	<i>1.69</i>	<i>1.69</i>	<i>1.70</i>	<i>1.71</i>	<i>1.71</i>	<i>1.74</i>	1.72	<i>1.72</i>	<i>1.72</i>
Russia	10.86	10.83	10.79	10.93	10.95	<i>10.86</i>	<i>10.83</i>	<i>10.80</i>	<i>10.77</i>	<i>10.74</i>	<i>10.77</i>	<i>10.74</i>	10.85	<i>10.86</i>	<i>10.75</i>
Turkmenistan	0.27	0.28	0.28	0.26	0.27	<i>0.28</i>	<i>0.28</i>	<i>0.28</i>	<i>0.28</i>	<i>0.28</i>	<i>0.28</i>	<i>0.28</i>	0.28	<i>0.28</i>	<i>0.28</i>
Other Eurasia	0.20	0.21	0.21	0.20	0.22	<i>0.24</i>	<i>0.23</i>	<i>0.22</i>	<i>0.22</i>	<i>0.21</i>	<i>0.21</i>	<i>0.21</i>	0.21	<i>0.23</i>	<i>0.21</i>
Middle East	1.19	1.17	1.20	1.16	1.19	<i>1.16</i>	<i>1.17</i>	<i>1.15</i>	<i>1.12</i>	<i>1.10</i>	<i>1.10</i>	<i>1.10</i>	1.18	<i>1.17</i>	<i>1.10</i>
Oman	0.96	0.95	0.96	0.94	0.97	<i>1.00</i>	<i>1.03</i>	<i>1.02</i>	<i>0.94</i>	<i>0.94</i>	<i>0.93</i>	<i>0.93</i>	0.95	<i>1.01</i>	<i>0.94</i>
Syria	0.03	0.03	0.03	0.03	0.04	<i>0.04</i>	<i>0.04</i>	<i>0.04</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	<i>0.00</i>	0.03	<i>0.04</i>	<i>0.01</i>
Yemen	0.13	0.13	0.13	0.12	0.11	<i>0.05</i>	<i>0.03</i>	<i>0.02</i>	<i>0.10</i>	<i>0.09</i>	<i>0.09</i>	<i>0.08</i>	0.13	<i>0.05</i>	<i>0.09</i>
Asia and Oceania	9.17	9.18	9.06	9.33	9.31	<i>9.36</i>	<i>9.42</i>	<i>9.42</i>	<i>9.43</i>	<i>9.49</i>	<i>9.54</i>	<i>9.53</i>	9.19	<i>9.37</i>	<i>9.50</i>
Australia	0.47	0.48	0.49	0.47	0.40	<i>0.47</i>	<i>0.51</i>	<i>0.48</i>	<i>0.49</i>	<i>0.49</i>	<i>0.51</i>	<i>0.49</i>	0.48	<i>0.46</i>	<i>0.49</i>
China	4.57	4.58	4.51	4.66	4.62	<i>4.62</i>	<i>4.61</i>	<i>4.61</i>	<i>4.59</i>	<i>4.62</i>	<i>4.63</i>	<i>4.63</i>	4.58	<i>4.61</i>	<i>4.62</i>
India	0.98	0.98	0.96	0.99	0.98	<i>0.97</i>	<i>0.98</i>	<i>0.99</i>	<i>0.99</i>	<i>0.99</i>	<i>0.99</i>	<i>0.99</i>	0.98	<i>0.98</i>	<i>0.99</i>
Indonesia	0.92	0.92	0.91	0.90	0.92	<i>0.93</i>	<i>0.94</i>	<i>0.94</i>	<i>0.95</i>	<i>0.96</i>	<i>0.96</i>	<i>0.97</i>	0.91	<i>0.93</i>	<i>0.96</i>
Malaysia	0.69	0.69	0.66	0.75	0.80	<i>0.76</i>	<i>0.75</i>	<i>0.76</i>	<i>0.75</i>	<i>0.76</i>	<i>0.77</i>	<i>0.77</i>	0.70	<i>0.77</i>	<i>0.76</i>
Vietnam	0.33	0.32	0.31	0.34	0.36	<i>0.37</i>	<i>0.39</i>	<i>0.40</i>	<i>0.41</i>	<i>0.42</i>	<i>0.43</i>	<i>0.44</i>	0.33	<i>0.38</i>	<i>0.43</i>
Africa	2.32	2.31	2.31	2.33	2.29	<i>2.28</i>	<i>2.27</i>	<i>2.25</i>	<i>2.22</i>	<i>2.23</i>	<i>2.23</i>	<i>2.25</i>	2.32	<i>2.27</i>	<i>2.23</i>
Egypt	0.70	0.70	0.70	0.72	0.71	<i>0.71</i>	<i>0.70</i>	<i>0.70</i>	<i>0.69</i>	<i>0.68</i>	<i>0.68</i>	<i>0.67</i>	0.71	<i>0.71</i>	<i>0.68</i>
Equatorial Guinea	0.29	0.29	0.29	0.29	0.27	<i>0.27</i>	<i>0.27</i>	<i>0.27</i>	<i>0.25</i>	<i>0.25</i>	<i>0.25</i>	<i>0.25</i>	0.29	<i>0.27</i>	<i>0.25</i>
Gabon	0.22	0.22	0.22	0.22	0.21	<i>0.21</i>	<i>0.21</i>	<i>0.21</i>	<i>0.21</i>	<i>0.21</i>	<i>0.21</i>	<i>0.21</i>	0.22	<i>0.21</i>	<i>0.21</i>
Sudan	0.26	0.26	0.26	0.26	0.26	<i>0.26</i>	<i>0.26</i>	<i>0.26</i>	<i>0.26</i>	<i>0.26</i>	<i>0.26</i>	<i>0.26</i>	0.26	<i>0.26</i>	<i>0.26</i>
Total non-OPEC liquids	55.64	56.55	57.12	58.35	57.93	<i>58.48</i>	<i>58.60</i>	<i>58.45</i>	<i>57.65</i>	<i>58.42</i>	<i>58.88</i>	<i>59.22</i>	56.92	<i>58.37</i>	<i>58.55</i>
OPEC non-crude liquids	6.25	6.24	6.24	6.32	6.27	<i>6.38</i>	<i>6.42</i>	<i>6.46</i>	<i>6.51</i>	<i>6.55</i>	<i>6.59</i>	<i>6.63</i>	6.26	<i>6.38</i>	<i>6.57</i>
Non-OPEC + OPEC non-crude	61.89	62.78	63.36	64.67	64.21	<i>64.86</i>	<i>65.01</i>	<i>64.91</i>	<i>64.16</i>	<i>64.97</i>	<i>65.47</i>	<i>65.85</i>	63.18	<i>64.75</i>	<i>65.12</i>
Unplanned non-OPEC Production Outages	0.66	0.67	0.60	0.57	0.62	<i>0.77</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	0.62	<i>n/a</i>	<i>n/a</i>

- = no data available

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.

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

Projections: 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 2015

	2014				2015				2016				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2014	2015	2016
Crude Oil															
Algeria	1.15	1.15	1.15	1.15	1.10	1.10	-	-	-	-	-	-	1.15	-	-
Angola	1.63	1.63	1.72	1.73	1.75	1.76	-	-	-	-	-	-	1.68	-	-
Ecuador	0.55	0.56	0.56	0.56	0.55	0.57	-	-	-	-	-	-	0.56	-	-
Iran	2.80	2.80	2.80	2.80	2.80	2.85	-	-	-	-	-	-	2.80	-	-
Iraq	3.26	3.29	3.28	3.53	3.57	3.92	-	-	-	-	-	-	3.34	-	-
Kuwait	2.60	2.60	2.60	2.48	2.57	2.53	-	-	-	-	-	-	2.57	-	-
Libya	0.38	0.23	0.58	0.69	0.40	0.41	-	-	-	-	-	-	0.47	-	-
Nigeria	2.00	1.97	2.07	1.98	2.03	2.02	-	-	-	-	-	-	2.00	-	-
Qatar	0.74	0.73	0.72	0.68	0.68	0.68	-	-	-	-	-	-	0.72	-	-
Saudi Arabia	9.80	9.65	9.70	9.63	9.73	9.90	-	-	-	-	-	-	9.70	-	-
United Arab Emirates	2.70	2.70	2.70	2.70	2.70	2.70	-	-	-	-	-	-	2.70	-	-
Venezuela	2.40	2.40	2.40	2.40	2.40	2.40	-	-	-	-	-	-	2.40	-	-
OPEC Total	30.01	29.70	30.28	30.34	30.29	30.84	30.87	30.82	30.45	30.52	30.58	30.65	30.08	30.71	30.55
Other Liquids	6.25	6.24	6.24	6.32	6.27	6.38	6.42	6.46	6.51	6.55	6.59	6.63	6.26	6.38	6.57
Total OPEC Supply	36.26	35.94	36.52	36.66	36.57	37.21	37.29	37.28	36.96	37.07	37.17	37.28	36.35	37.09	37.12
Crude Oil Production Capacity															
Africa	5.15	4.97	5.51	5.55	5.31	5.27	5.26	5.35	5.40	5.41	5.43	5.44	5.29	5.30	5.42
South America	2.95	2.95	2.95	2.95	2.95	2.96	2.96	2.96	2.86	2.88	2.87	2.88	2.95	2.96	2.87
Middle East	23.93	23.88	23.86	23.82	23.93	24.26	24.33	24.35	24.32	24.36	24.41	24.45	23.87	24.22	24.38
OPEC Total	32.02	31.80	32.32	32.32	32.19	32.48	32.55	32.66	32.58	32.65	32.71	32.77	32.12	32.47	32.68
Surplus Crude Oil Production Capacity															
Africa	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	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	2.01	2.09	2.04	1.98	1.86	1.65	1.68	1.84	2.13	2.12	2.13	2.13	2.03	1.76	2.13
OPEC Total	2.01	2.09	2.04	1.98	1.90	1.65	1.68	1.84	2.13	2.12	2.13	2.13	2.03	1.77	2.13
Unplanned OPEC Production Outages	2.32	2.57	2.26	2.43	2.53	2.45	n/a	n/a	n/a	n/a	n/a	n/a	2.40	n/a	n/a

- = 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 Emirate (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.

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

Projections: EIA Regional Short-Term Energy Model.

Table 3d. World Petroleum and Other Liquids Consumption (million barrels per day)

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2015

	2014				2015				2016				2014	2015	2016
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
North America	23.20	23.03	23.59	23.87	23.62	<i>23.54</i>	<i>23.90</i>	<i>23.98</i>	<i>23.57</i>	<i>23.76</i>	<i>24.00</i>	<i>24.12</i>	23.42	<i>23.76</i>	<i>23.87</i>
Canada	2.43	2.34	2.46	2.43	2.41	<i>2.32</i>	<i>2.43</i>	<i>2.41</i>	<i>2.38</i>	<i>2.32</i>	<i>2.43</i>	<i>2.41</i>	2.41	<i>2.39</i>	<i>2.38</i>
Mexico	1.95	1.97	1.96	1.98	1.91	<i>1.95</i>	<i>1.92</i>	<i>1.93</i>	<i>1.91</i>	<i>1.93</i>	<i>1.90</i>	<i>1.91</i>	1.97	<i>1.93</i>	<i>1.91</i>
United States	18.81	18.71	19.16	19.45	19.29	<i>19.27</i>	<i>19.54</i>	<i>19.62</i>	<i>19.27</i>	<i>19.50</i>	<i>19.65</i>	<i>19.79</i>	19.03	<i>19.43</i>	<i>19.56</i>
Central and South America	7.05	7.30	7.33	7.31	7.09	<i>7.37</i>	<i>7.41</i>	<i>7.38</i>	<i>7.17</i>	<i>7.44</i>	<i>7.47</i>	<i>7.45</i>	7.25	<i>7.31</i>	<i>7.38</i>
Brazil	3.03	3.14	3.21	3.20	3.03	<i>3.14</i>	<i>3.21</i>	<i>3.20</i>	<i>3.06</i>	<i>3.18</i>	<i>3.24</i>	<i>3.23</i>	3.15	<i>3.15</i>	<i>3.18</i>
Europe	13.67	14.09	14.57	14.23	14.19	<i>13.93</i>	<i>14.40</i>	<i>14.36</i>	<i>14.32</i>	<i>14.05</i>	<i>14.52</i>	<i>14.47</i>	14.14	<i>14.22</i>	<i>14.34</i>
Eurasia	4.85	4.79	5.01	4.99	4.65	<i>4.58</i>	<i>4.85</i>	<i>4.83</i>	<i>4.56</i>	<i>4.50</i>	<i>4.76</i>	<i>4.75</i>	4.91	<i>4.73</i>	<i>4.64</i>
Russia	3.49	3.45	3.65	3.63	3.29	<i>3.25</i>	<i>3.44</i>	<i>3.42</i>	<i>3.14</i>	<i>3.10</i>	<i>3.28</i>	<i>3.26</i>	3.56	<i>3.35</i>	<i>3.20</i>
Middle East	7.97	8.33	8.98	8.17	8.10	<i>8.71</i>	<i>9.29</i>	<i>8.44</i>	<i>8.40</i>	<i>9.01</i>	<i>9.62</i>	<i>8.73</i>	8.36	<i>8.64</i>	<i>8.94</i>
Asia and Oceania	30.88	30.48	29.99	30.91	31.23	<i>31.11</i>	<i>30.58</i>	<i>31.49</i>	<i>31.96</i>	<i>31.86</i>	<i>31.31</i>	<i>32.23</i>	30.56	<i>31.10</i>	<i>31.84</i>
China	10.45	11.03	10.98	10.94	10.77	<i>11.36</i>	<i>11.32</i>	<i>11.27</i>	<i>11.10</i>	<i>11.71</i>	<i>11.66</i>	<i>11.61</i>	10.85	<i>11.18</i>	<i>11.52</i>
Japan	5.02	3.88	3.88	4.43	4.59	<i>3.85</i>	<i>3.88</i>	<i>4.25</i>	<i>4.51</i>	<i>3.80</i>	<i>3.83</i>	<i>4.19</i>	4.30	<i>4.14</i>	<i>4.08</i>
India	3.88	3.86	3.54	3.83	4.08	<i>4.06</i>	<i>3.72</i>	<i>4.02</i>	<i>4.27</i>	<i>4.25</i>	<i>3.90</i>	<i>4.22</i>	3.78	<i>3.97</i>	<i>4.16</i>
Africa	3.73	3.73	3.68	3.70	3.89	<i>3.88</i>	<i>3.84</i>	<i>3.86</i>	<i>4.04</i>	<i>4.03</i>	<i>3.99</i>	<i>4.01</i>	3.71	<i>3.86</i>	<i>4.02</i>
Total OECD Liquid Fuels Consumption	45.73	44.77	45.81	46.37	46.47	<i>45.23</i>	<i>46.04</i>	<i>46.67</i>	<i>46.60</i>	<i>45.59</i>	<i>46.27</i>	<i>46.95</i>	45.67	<i>46.10</i>	<i>46.36</i>
Total non-OECD Liquid Fuels Consumption	45.63	46.96	47.35	46.81	46.31	<i>47.89</i>	<i>48.22</i>	<i>47.66</i>	<i>47.42</i>	<i>49.06</i>	<i>49.39</i>	<i>48.81</i>	46.69	<i>47.53</i>	<i>48.67</i>
Total World Liquid Fuels Consumption	91.36	91.73	93.15	93.18	92.77	<i>93.12</i>	<i>94.26</i>	<i>94.33</i>	<i>94.02</i>	<i>94.65</i>	<i>95.67</i>	<i>95.75</i>	92.36	<i>93.63</i>	<i>95.03</i>
Oil-weighted Real Gross Domestic Product (a)															
World Index, 2010 Q1 = 100	113.4	114.2	115.0	115.9	116.3	<i>116.9</i>	<i>117.8</i>	<i>118.7</i>	<i>119.6</i>	<i>120.6</i>	<i>121.6</i>	<i>122.6</i>	114.6	<i>117.4</i>	<i>121.1</i>
Percent change from prior year	2.9	2.8	2.7	2.6	2.6	<i>2.4</i>	<i>2.4</i>	<i>2.5</i>	<i>2.9</i>	<i>3.1</i>	<i>3.3</i>	<i>3.3</i>	2.8	<i>2.5</i>	<i>3.1</i>
OECD Index, 2010 Q1 = 100	110.0	110.6	111.3	111.9	112.2	<i>112.7</i>	<i>113.4</i>	<i>114.1</i>	<i>114.8</i>	<i>115.5</i>	<i>116.3</i>	<i>117.1</i>	111.0	<i>113.1</i>	<i>115.9</i>
Percent change from prior year	1.9	1.9	1.8	1.8	1.9	<i>1.9</i>	<i>1.8</i>	<i>2.0</i>	<i>2.4</i>	<i>2.5</i>	<i>2.6</i>	<i>2.6</i>	1.9	<i>1.9</i>	<i>2.5</i>
Non-OECD Index, 2010 Q1 = 100	117.5	118.7	119.7	120.8	121.4	<i>122.2</i>	<i>123.3</i>	<i>124.5</i>	<i>125.6</i>	<i>126.9</i>	<i>128.3</i>	<i>129.6</i>	119.2	<i>122.9</i>	<i>127.6</i>
Percent change from prior year	4.0	3.9	3.8	3.7	3.3	<i>3.0</i>	<i>3.1</i>	<i>3.1</i>	<i>3.5</i>	<i>3.9</i>	<i>4.1</i>	<i>4.1</i>	3.8	<i>3.1</i>	<i>3.9</i>
Real U.S. Dollar Exchange Rate (a)															
Index, January 2010 = 100	108.27	108.01	109.13	113.76	119.36	<i>119.70</i>	<i>120.94</i>	<i>121.92</i>	<i>122.15</i>	<i>121.97</i>	<i>121.81</i>	<i>121.78</i>	109.79	<i>120.48</i>	<i>121.93</i>
Percent change from prior year	3.8	2.1	1.9	6.7	10.2	<i>10.8</i>	<i>10.8</i>	<i>7.2</i>	<i>2.3</i>	<i>1.9</i>	<i>0.7</i>	<i>-0.1</i>	3.6	<i>9.7</i>	<i>1.2</i>

- = no data available

OECD = Organisation for Economic Co-operation and Development: Australia, Austria, Belgium, Canada, Chile, the Czech Republic, Denmark, Finland,

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

Slovakia, Slovenia, 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.

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

Projections: EIA Regional Short-Term Energy Model.

Table 4a. U.S. Petroleum and Other Liquids Supply, Consumption, and Inventories

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2015

	2014				2015				2016				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2014	2015	2016
Supply (million barrels per day)															
Crude Oil Supply															
Domestic Production (a)	8.14	8.62	8.85	9.26	9.48	9.65	9.41	9.35	9.22	9.26	9.23	9.55	8.72	9.47	9.32
Alaska	0.53	0.52	0.43	0.51	0.50	0.49	0.42	0.49	0.47	0.46	0.42	0.47	0.50	0.48	0.45
Federal Gulf of Mexico (b)	1.32	1.42	1.43	1.42	1.43	1.54	1.56	1.64	1.67	1.65	1.54	1.66	1.40	1.54	1.63
Lower 48 States (excl GOM)	6.29	6.69	6.99	7.32	7.55	7.63	7.43	7.22	7.08	7.14	7.27	7.42	6.83	7.45	7.23
Crude Oil Net Imports (c)	7.11	6.94	7.15	6.76	6.84	6.55	6.65	6.19	6.28	6.63	6.90	6.19	6.99	6.55	6.50
SPR Net Withdrawals	0.00	0.05	0.00	0.00	0.00	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	0.00
Commercial Inventory Net Withdrawals	-0.30	0.00	0.25	-0.36	-0.90	0.11	0.17	0.17	-0.25	0.12	0.25	0.13	-0.10	-0.11	0.07
Crude Oil Adjustment (d)	0.23	0.27	0.09	0.28	0.11	0.06	0.20	0.13	0.19	0.19	0.20	0.13	0.22	0.12	0.18
Total Crude Oil Input to Refineries	15.18	15.88	16.35	15.95	15.53	16.33	16.43	15.84	15.44	16.19	16.58	16.00	15.84	16.04	16.06
Other Supply															
Refinery Processing Gain	1.07	1.08	1.09	1.10	0.99	1.05	1.09	1.08	1.05	1.08	1.10	1.09	1.09	1.06	1.08
Natural Gas Plant Liquids Production	2.71	2.95	3.09	3.11	3.09	3.32	3.33	3.36	3.37	3.48	3.53	3.67	2.96	3.28	3.51
Renewables and Oxygenate Production (e)	1.01	1.06	1.06	1.07	1.05	1.07	1.05	1.07	1.05	1.07	1.08	1.07	1.05	1.06	1.07
Fuel Ethanol Production	0.91	0.94	0.93	0.96	0.96	0.95	0.92	0.93	0.93	0.94	0.95	0.94	0.94	0.94	0.94
Petroleum Products Adjustment (f)	0.20	0.22	0.22	0.24	0.20	0.21	0.22	0.22	0.21	0.23	0.23	0.23	0.22	0.21	0.23
Product Net Imports (c)	-1.73	-1.76	-2.17	-2.14	-1.89	-2.14	-2.29	-2.40	-2.24	-2.20	-2.65	-2.74	-1.95	-2.18	-2.46
Hydrocarbon Gas Liquids	-0.37	-0.58	-0.66	-0.64	-0.68	-0.85	-0.93	-0.99	-1.02	-1.08	-1.13	-1.27	-0.56	-0.86	-1.12
Unfinished Oils	0.46	0.49	0.32	0.35	0.26	0.42	0.44	0.39	0.38	0.50	0.46	0.39	0.40	0.38	0.43
Other HC/Oxygenates	-0.09	-0.09	-0.08	-0.09	-0.08	-0.09	-0.05	-0.04	-0.08	-0.06	-0.03	-0.03	-0.09	-0.06	-0.05
Motor Gasoline Blend Comp.	0.29	0.58	0.45	0.42	0.41	0.51	0.47	0.42	0.42	0.61	0.44	0.38	0.44	0.45	0.46
Finished Motor Gasoline	-0.41	-0.36	-0.34	-0.47	-0.44	-0.39	-0.38	-0.45	-0.40	-0.40	-0.45	-0.41	-0.39	-0.42	-0.42
Jet Fuel	-0.07	-0.02	-0.09	-0.09	-0.06	-0.04	-0.05	-0.05	-0.03	-0.02	-0.05	-0.07	-0.07	-0.05	-0.04
Distillate Fuel Oil	-0.67	-1.01	-1.08	-0.92	-0.67	-0.93	-0.96	-0.91	-0.70	-0.88	-1.04	-0.94	-0.92	-0.87	-0.89
Residual Fuel Oil	-0.24	-0.18	-0.18	-0.16	-0.13	-0.23	-0.25	-0.21	-0.24	-0.26	-0.26	-0.21	-0.19	-0.20	-0.24
Other Oils (g)	-0.64	-0.58	-0.51	-0.53	-0.50	-0.54	-0.58	-0.56	-0.56	-0.59	-0.59	-0.58	-0.57	-0.55	-0.58
Product Inventory Net Withdrawals	0.39	-0.72	-0.48	0.12	0.32	-0.58	-0.29	0.45	0.39	-0.34	-0.23	0.46	-0.17	-0.03	0.07
Total Supply	18.84	18.71	19.16	19.45	19.29	19.27	19.54	19.62	19.27	19.50	19.65	19.79	19.04	19.43	19.56
Consumption (million barrels per day)															
Hydrocarbon Gas Liquids	2.66	2.06	2.26	2.60	2.72	2.26	2.37	2.72	2.76	2.36	2.41	2.77	2.40	2.52	2.57
Unfinished Oils	0.08	0.02	-0.06	-0.04	-0.05	-0.02	0.02	0.04	0.00	0.00	0.01	0.02	0.00	0.00	0.01
Motor Gasoline	8.52	9.01	9.10	9.05	8.81	9.28	9.22	9.06	8.78	9.21	9.20	9.10	8.92	9.09	9.07
Fuel Ethanol blended into Motor Gasoline	0.84	0.89	0.89	0.90	0.87	0.91	0.90	0.90	0.85	0.91	0.94	0.91	0.88	0.89	0.90
Jet Fuel	1.40	1.47	1.51	1.50	1.45	1.54	1.52	1.46	1.44	1.55	1.54	1.48	1.47	1.49	1.50
Distillate Fuel Oil	4.17	3.93	3.86	4.09	4.27	3.98	4.00	4.16	4.23	4.13	4.08	4.24	4.01	4.10	4.17
Residual Fuel Oil	0.23	0.26	0.24	0.30	0.24	0.18	0.20	0.21	0.22	0.19	0.19	0.20	0.26	0.21	0.20
Other Oils (g)	1.75	1.96	2.25	1.96	1.85	2.06	2.21	1.97	1.85	2.05	2.22	1.98	1.98	2.02	2.03
Total Consumption	18.81	18.71	19.16	19.45	19.29	19.27	19.54	19.62	19.27	19.50	19.65	19.79	19.03	19.43	19.56
Total Petroleum and Other Liquids Net Imports	5.38	5.18	4.98	4.62	4.95	4.41	4.36	3.78	4.04	4.43	4.25	3.44	5.04	4.37	4.04
End-of-period Inventories (million barrels)															
Commercial Inventory															
Crude Oil (excluding SPR)	383.7	383.9	360.9	393.7	474.8	464.8	448.9	432.9	455.3	444.1	420.7	408.6	393.7	432.9	408.6
Hydrocarbon Gas Liquids	98.1	164.1	209.8	175.4	138.8	194.1	223.1	173.2	134.7	171.5	196.0	145.6	175.4	173.2	145.6
Unfinished Oils	91.3	87.3	84.5	78.5	84.7	86.6	84.9	79.9	89.9	87.0	84.7	79.5	78.5	79.9	79.5
Other HC/Oxygenates	22.6	23.0	22.4	23.2	26.7	24.9	24.2	24.4	26.5	25.3	24.6	24.9	23.2	24.4	24.9
Total Motor Gasoline	220.9	218.8	212.5	238.5	231.5	216.9	217.2	230.4	228.8	222.7	219.7	231.9	238.5	230.4	231.9
Finished Motor Gasoline	34.3	28.9	28.8	30.6	26.9	26.1	27.0	28.7	26.8	25.9	25.1	27.3	30.6	28.7	27.3
Motor Gasoline Blend Comp.	186.6	190.0	183.7	207.9	204.6	190.8	190.2	201.6	202.0	196.7	194.6	204.6	207.9	201.6	204.6
Jet Fuel	36.0	36.3	39.6	37.5	37.2	41.3	42.8	40.0	39.6	40.3	42.2	39.2	37.5	40.0	39.2
Distillate Fuel Oil	115.3	121.7	131.3	136.1	128.3	136.2	144.0	146.5	132.5	137.9	146.4	148.8	136.1	146.5	148.8
Residual Fuel Oil	36.4	36.7	36.6	33.7	38.1	39.9	37.5	36.9	37.1	36.7	35.6	36.0	33.7	36.9	36.0
Other Oils (g)	52.8	50.9	46.4	49.0	57.3	55.4	48.6	49.7	57.0	55.3	48.3	49.6	49.0	49.7	49.6
Total Commercial Inventory	1,057	1,123	1,144	1,165	1,217	1,260	1,271	1,214	1,201	1,221	1,218	1,164	1,165	1,214	1,164
Crude Oil in SPR	696	691	691	691	691	694	694	694	694	694	694	694	691	694	694

- = 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" 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.

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: EIA Regional Short-Term Energy Model.

Table 4b. U.S. Hydrocarbon Gas Liquids (HGL) and Petroleum Refinery Balances (million barrels per day, except inventories and utilization factor)

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2015

	2014				2015				2016				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2014	2015	2016
HGL Production															
Natural Gas Processing Plants															
Ethane	1.03	1.09	1.09	1.08	1.05	1.14	1.18	1.25	1.30	1.35	1.37	1.50	1.07	1.16	1.38
Propane	0.87	0.95	1.02	1.04	1.07	1.14	1.12	1.10	1.09	1.10	1.11	1.13	0.97	1.11	1.11
Butanes	0.48	0.52	0.56	0.58	0.58	0.61	0.60	0.61	0.59	0.61	0.62	0.63	0.54	0.60	0.61
Natural Gasoline (Pentanes Plus)	0.33	0.39	0.42	0.41	0.39	0.43	0.43	0.40	0.39	0.42	0.43	0.41	0.39	0.41	0.41
Refinery and Blender Net Production															
Ethane/Ethylene	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Propane/Propylene	0.57	0.60	0.59	0.59	0.54	0.58	0.60	0.60	0.58	0.60	0.59	0.59	0.59	0.58	0.59
Butanes/Butylenes	-0.04	0.27	0.21	-0.18	-0.08	0.25	0.18	-0.15	-0.03	0.25	0.18	-0.15	0.07	0.05	0.06
Renewable Fuels and Oxygenate Plant Net Production															
Natural Gasoline (Pentanes Plus)	-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
HGL Net Imports															
Ethane	-0.01	-0.02	-0.05	-0.06	-0.06	-0.08	-0.09	-0.11	-0.12	-0.15	-0.18	-0.28	-0.04	-0.09	-0.19
Propane/Propylene	-0.17	-0.34	-0.36	-0.39	-0.40	-0.51	-0.56	-0.62	-0.61	-0.60	-0.61	-0.67	-0.32	-0.52	-0.62
Butanes/Butylenes	-0.03	-0.06	-0.09	-0.03	-0.06	-0.10	-0.11	-0.11	-0.11	-0.16	-0.16	-0.12	-0.05	-0.09	-0.14
Natural Gasoline (Pentanes Plus)	-0.15	-0.16	-0.16	-0.15	-0.17	-0.16	-0.17	-0.16	-0.18	-0.16	-0.18	-0.18	-0.16	-0.16	-0.18
HGL Refinery and Blender Net Inputs															
Butanes/Butylenes	0.37	0.28	0.30	0.48	0.40	0.27	0.31	0.44	0.37	0.29	0.31	0.44	0.36	0.35	0.35
Natural Gasoline (Pentanes Plus)	0.14	0.15	0.16	0.16	0.15	0.15	0.18	0.19	0.17	0.18	0.18	0.18	0.15	0.17	0.18
HGL Consumption															
Ethane/Ethylene	1.01	0.97	1.08	1.05	1.03	1.05	1.11	1.15	1.18	1.17	1.21	1.26	1.03	1.09	1.21
Propane/Propylene	1.46	0.89	0.97	1.29	1.43	0.93	1.03	1.31	1.38	0.95	0.96	1.25	1.15	1.17	1.14
Butanes/Butylenes	0.16	0.17	0.16	0.22	0.16	0.20	0.18	0.21	0.17	0.20	0.19	0.21	0.18	0.19	0.19
Natural Gasoline (Pentanes Plus)	0.03	0.03	0.05	0.05	0.10	0.07	0.05	0.05	0.03	0.04	0.05	0.04	0.04	0.07	0.04
HGL Inventories (million barrels)															
Ethane/Ethylene	29.90	37.06	38.70	36.37	31.38	32.27	31.67	31.58	30.91	33.75	32.86	30.78	35.53	31.73	32.07
Propane/Propylene	28.32	57.12	82.37	77.95	58.10	83.90	96.11	75.15	45.52	58.38	69.70	51.31	77.95	75.15	51.31
Butanes/Butylenes	25.95	52.24	72.22	41.96	32.46	58.59	75.33	48.61	39.94	59.53	73.53	46.93	41.96	48.61	46.93
Natural Gasoline (Pentanes Plus)	13.04	14.82	17.92	20.59	17.16	19.02	20.06	18.47	17.88	19.37	20.21	18.59	20.59	18.47	18.59
Refinery and Blender Net Inputs															
Crude Oil	15.18	15.88	16.35	15.95	15.53	16.33	16.43	15.84	15.44	16.19	16.58	16.00	15.84	16.04	16.06
Hydrocarbon Gas Liquids	0.52	0.43	0.46	0.64	0.54	0.43	0.49	0.63	0.55	0.47	0.49	0.62	0.51	0.52	0.53
Other Hydrocarbons/Oxygenates	1.08	1.16	1.16	1.14	1.12	1.16	1.20	1.21	1.15	1.21	1.26	1.23	1.14	1.17	1.21
Unfinished Oils	0.24	0.51	0.41	0.45	0.24	0.42	0.44	0.41	0.27	0.53	0.48	0.43	0.40	0.38	0.43
Motor Gasoline Blend Components	0.71	1.06	0.83	0.32	0.72	0.88	0.65	0.46	0.60	0.85	0.63	0.43	0.73	0.68	0.63
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	17.73	19.04	19.21	18.51	18.14	19.22	19.20	18.55	18.01	19.25	19.44	18.72	18.62	18.78	18.86
Refinery Processing Gain															
.....	1.07	1.08	1.09	1.10	0.99	1.05	1.09	1.08	1.05	1.08	1.10	1.09	1.09	1.06	1.08
Refinery and Blender Net Production															
Hydrocarbon Gas Liquids	0.54	0.87	0.81	0.41	0.47	0.84	0.79	0.45	0.55	0.86	0.78	0.45	0.66	0.64	0.66
Finished Motor Gasoline	9.26	9.82	9.74	9.68	9.48	9.85	9.77	9.68	9.35	9.77	9.80	9.69	9.63	9.70	9.65
Jet Fuel	1.45	1.49	1.64	1.57	1.50	1.63	1.59	1.48	1.47	1.59	1.62	1.51	1.54	1.55	1.55
Distillate Fuel	4.66	4.96	4.99	5.00	4.82	4.95	5.00	5.06	4.74	5.03	5.17	5.17	4.90	4.96	5.03
Residual Fuel	0.46	0.44	0.42	0.43	0.43	0.43	0.42	0.41	0.46	0.45	0.43	0.42	0.44	0.42	0.44
Other Oils (a)	2.43	2.52	2.71	2.52	2.44	2.58	2.71	2.55	2.50	2.63	2.74	2.58	2.55	2.57	2.61
Total Refinery and Blender Net Production	18.80	20.11	20.30	19.61	19.13	20.27	20.29	19.64	19.06	20.33	20.54	19.82	19.71	19.84	19.94
Refinery Distillation Inputs															
.....	15.51	16.17	16.64	16.25	15.78	16.63	16.73	16.17	15.78	16.46	16.87	16.31	16.15	16.33	16.35
Refinery Operable Distillation Capacity															
.....	17.93	17.89	17.81	17.80	17.88	17.90	17.95	17.99	18.02	18.02	18.18	18.26	17.86	17.93	18.12
Refinery Distillation Utilization Factor															
.....	0.87	0.90	0.93	0.91	0.88	0.93	0.93	0.90	0.88	0.91	0.93	0.89	0.90	0.91	0.90

- = 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: 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 2015

	2014				2015				2016				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2014	2015	2016
Prices (cents per gallon)															
Refiner Wholesale Price	272	298	276	203	159	<i>199</i>	<i>190</i>	<i>161</i>	<i>171</i>	<i>198</i>	<i>197</i>	<i>170</i>	262	<i>178</i>	<i>184</i>
Gasoline Regular Grade Retail Prices Including Taxes															
PADD 1	344	365	348	292	228	<i>258</i>	<i>260</i>	<i>237</i>	<i>242</i>	<i>266</i>	<i>266</i>	<i>246</i>	337	<i>246</i>	<i>255</i>
PADD 2	337	365	343	278	216	<i>256</i>	<i>258</i>	<i>227</i>	<i>234</i>	<i>267</i>	<i>265</i>	<i>235</i>	331	<i>239</i>	<i>250</i>
PADD 3	318	345	329	265	204	<i>240</i>	<i>241</i>	<i>212</i>	<i>219</i>	<i>247</i>	<i>246</i>	<i>219</i>	314	<i>225</i>	<i>233</i>
PADD 4	326	350	363	297	207	<i>261</i>	<i>265</i>	<i>234</i>	<i>224</i>	<i>258</i>	<i>267</i>	<i>241</i>	335	<i>242</i>	<i>248</i>
PADD 5	362	401	386	315	271	<i>328</i>	<i>300</i>	<i>264</i>	<i>265</i>	<i>297</i>	<i>298</i>	<i>271</i>	366	<i>291</i>	<i>283</i>
U.S. Average	340	368	350	288	227	<i>267</i>	<i>263</i>	<i>234</i>	<i>239</i>	<i>268</i>	<i>268</i>	<i>243</i>	336	<i>248</i>	<i>255</i>
Gasoline All Grades Including Taxes	348	375	358	296	236	<i>275</i>	<i>272</i>	<i>243</i>	<i>248</i>	<i>277</i>	<i>276</i>	<i>251</i>	344	<i>257</i>	<i>263</i>
End-of-period Inventories (million barrels)															
Total Gasoline Inventories															
PADD 1	57.7	63.1	55.6	61.1	64.5	<i>59.8</i>	<i>55.7</i>	<i>59.2</i>	<i>60.5</i>	<i>61.9</i>	<i>57.5</i>	<i>60.0</i>	61.1	<i>59.2</i>	<i>60.0</i>
PADD 2	49.0	49.7	47.2	52.4	52.9	<i>48.9</i>	<i>49.2</i>	<i>50.5</i>	<i>51.1</i>	<i>48.7</i>	<i>49.2</i>	<i>50.4</i>	52.4	<i>50.5</i>	<i>50.4</i>
PADD 3	77.7	72.8	74.9	83.5	78.4	<i>72.4</i>	<i>76.7</i>	<i>81.0</i>	<i>79.7</i>	<i>77.2</i>	<i>77.8</i>	<i>82.0</i>	83.5	<i>81.0</i>	<i>82.0</i>
PADD 4	6.5	6.1	7.4	7.9	6.5	<i>6.7</i>	<i>6.9</i>	<i>7.7</i>	<i>7.2</i>	<i>6.9</i>	<i>6.9</i>	<i>7.8</i>	7.9	<i>7.7</i>	<i>7.8</i>
PADD 5	30.0	27.1	27.3	33.6	29.2	<i>29.0</i>	<i>28.7</i>	<i>32.0</i>	<i>30.4</i>	<i>28.0</i>	<i>28.2</i>	<i>31.8</i>	33.6	<i>32.0</i>	<i>31.8</i>
U.S. Total	220.9	218.8	212.5	238.5	231.5	<i>216.9</i>	<i>217.2</i>	<i>230.4</i>	<i>228.8</i>	<i>222.7</i>	<i>219.7</i>	<i>231.9</i>	238.5	<i>230.4</i>	<i>231.9</i>
Finished Gasoline Inventories															
U.S. Total	34.3	28.9	28.8	30.6	26.9	<i>26.1</i>	<i>27.0</i>	<i>28.7</i>	<i>26.8</i>	<i>25.9</i>	<i>25.1</i>	<i>27.3</i>	30.6	<i>28.7</i>	<i>27.3</i>
Gasoline Blending Components Inventories															
U.S. Total	186.6	190.0	183.7	207.9	204.6	<i>190.8</i>	<i>190.2</i>	<i>201.6</i>	<i>202.0</i>	<i>196.7</i>	<i>194.6</i>	<i>204.6</i>	207.9	<i>201.6</i>	<i>204.6</i>

- = no data available

Prices are not adjusted for inflation.

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

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

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

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

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

Projections: 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 2015

	2014				2015				2016				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2014	2015	2016
Supply (billion cubic feet per day)															
Total Marketed Production	71.74	73.55	75.72	77.77	78.28	<i>78.65</i>	<i>79.28</i>	<i>79.66</i>	<i>80.30</i>	<i>80.33</i>	<i>80.46</i>	<i>81.14</i>	74.72	<i>78.97</i>	<i>80.56</i>
Alaska	0.99	0.93	0.85	0.98	0.99	<i>0.89</i>	<i>0.77</i>	<i>0.93</i>	<i>0.96</i>	<i>0.82</i>	<i>0.75</i>	<i>0.91</i>	0.94	<i>0.89</i>	<i>0.86</i>
Federal GOM (a)	3.29	3.42	3.41	3.38	3.38	<i>3.20</i>	<i>3.18</i>	<i>3.05</i>	<i>3.10</i>	<i>3.05</i>	<i>2.87</i>	<i>2.84</i>	3.37	<i>3.20</i>	<i>2.97</i>
Lower 48 States (excl GOM)	67.47	69.21	71.46	73.41	73.91	<i>74.57</i>	<i>75.33</i>	<i>75.68</i>	<i>76.23</i>	<i>76.45</i>	<i>76.84</i>	<i>77.39</i>	70.41	<i>74.88</i>	<i>76.73</i>
Total Dry Gas Production	67.84	69.33	71.30	73.31	73.83	<i>74.02</i>	<i>74.62</i>	<i>74.97</i>	<i>75.58</i>	<i>75.61</i>	<i>75.73</i>	<i>76.37</i>	70.46	<i>74.37</i>	<i>75.82</i>
LNG Gross Imports	0.17	0.17	0.15	0.16	0.43	<i>0.14</i>	<i>0.18</i>	<i>0.17</i>	<i>0.14</i>	<i>0.16</i>	<i>0.17</i>	<i>0.15</i>	0.16	<i>0.23</i>	<i>0.15</i>
LNG Gross Exports	0.03	0.02	0.09	0.03	0.06	<i>0.00</i>	<i>0.16</i>	<i>0.59</i>	<i>0.68</i>	<i>0.69</i>	<i>0.72</i>	<i>1.07</i>	0.04	<i>0.21</i>	<i>0.79</i>
Pipeline Gross Imports	8.44	6.52	6.47	7.47	8.36	<i>6.37</i>	<i>6.56</i>	<i>6.86</i>	<i>7.28</i>	<i>6.23</i>	<i>6.54</i>	<i>6.72</i>	7.22	<i>7.03</i>	<i>6.69</i>
Pipeline Gross Exports	4.67	3.89	3.85	4.02	4.83	<i>4.14</i>	<i>4.30</i>	<i>4.70</i>	<i>4.83</i>	<i>4.70</i>	<i>4.90</i>	<i>5.08</i>	4.10	<i>4.50</i>	<i>4.88</i>
Supplemental Gaseous Fuels	0.17	0.16	0.13	0.16	0.16	<i>0.16</i>	<i>0.16</i>	<i>0.16</i>	<i>0.16</i>	<i>0.16</i>	<i>0.16</i>	<i>0.16</i>	0.15	<i>0.16</i>	<i>0.16</i>
Net Inventory Withdrawals	22.75	-12.71	-12.96	0.55	18.44	<i>-12.81</i>	<i>-10.24</i>	<i>3.25</i>	<i>16.76</i>	<i>-10.63</i>	<i>-9.86</i>	<i>3.29</i>	-0.69	<i>-0.41</i>	<i>-0.13</i>
Total Supply	94.67	59.56	61.15	77.59	96.33	<i>63.74</i>	<i>66.81</i>	<i>80.12</i>	<i>94.40</i>	<i>66.13</i>	<i>67.10</i>	<i>80.55</i>	73.16	<i>76.68</i>	<i>77.03</i>
Balancing Item (b)	0.43	1.64	0.59	-1.40	0.74	<i>0.57</i>	<i>-1.20</i>	<i>-0.60</i>	<i>0.24</i>	<i>-1.57</i>	<i>-0.95</i>	<i>-0.06</i>	0.31	<i>-0.13</i>	<i>-0.58</i>
Total Primary Supply	95.10	61.20	61.75	76.19	97.07	<i>64.31</i>	<i>65.61</i>	<i>79.51</i>	<i>94.64</i>	<i>64.56</i>	<i>66.15</i>	<i>80.49</i>	73.48	<i>76.55</i>	<i>76.44</i>
Consumption (billion cubic feet per day)															
Residential	28.70	7.48	3.68	15.97	27.49	<i>6.53</i>	<i>3.32</i>	<i>16.46</i>	<i>26.23</i>	<i>6.86</i>	<i>3.34</i>	<i>16.57</i>	13.89	<i>13.39</i>	<i>13.23</i>
Commercial	16.46	6.24	4.59	10.74	15.98	<i>5.65</i>	<i>4.29</i>	<i>10.68</i>	<i>14.78</i>	<i>5.70</i>	<i>4.33</i>	<i>10.83</i>	9.48	<i>9.12</i>	<i>8.90</i>
Industrial	22.92	20.03	19.66	21.32	22.71	<i>20.40</i>	<i>20.61</i>	<i>22.95</i>	<i>24.08</i>	<i>21.33</i>	<i>21.25</i>	<i>23.40</i>	20.97	<i>21.67</i>	<i>22.52</i>
Electric Power (c)	19.68	21.12	27.34	21.09	23.10	<i>25.02</i>	<i>30.59</i>	<i>22.11</i>	<i>21.66</i>	<i>23.84</i>	<i>30.34</i>	<i>22.26</i>	22.33	<i>25.22</i>	<i>24.54</i>
Lease and Plant Fuel	4.12	4.22	4.35	4.47	4.49	<i>4.52</i>	<i>4.55</i>	<i>4.57</i>	<i>4.61</i>	<i>4.61</i>	<i>4.62</i>	<i>4.66</i>	4.29	<i>4.53</i>	<i>4.63</i>
Pipeline and Distribution Use	3.14	2.02	2.04	2.51	3.20	<i>2.11</i>	<i>2.16</i>	<i>2.65</i>	<i>3.18</i>	<i>2.12</i>	<i>2.17</i>	<i>2.68</i>	2.42	<i>2.53</i>	<i>2.54</i>
Vehicle Use	0.09	0.09	0.09	0.09	0.09	<i>0.09</i>	<i>0.09</i>	<i>0.09</i>	<i>0.10</i>	<i>0.10</i>	<i>0.10</i>	<i>0.10</i>	0.09	<i>0.09</i>	<i>0.10</i>
Total Consumption	95.10	61.20	61.75	76.19	97.07	<i>64.31</i>	<i>65.61</i>	<i>79.51</i>	<i>94.64</i>	<i>64.56</i>	<i>66.15</i>	<i>80.49</i>	73.48	<i>76.55</i>	<i>76.44</i>
End-of-period Inventories (billion cubic feet)															
Working Gas Inventory	857	2,005	3,187	3,141	1,482	<i>2,648</i>	<i>3,590</i>	<i>3,291</i>	<i>1,766</i>	<i>2,733</i>	<i>3,641</i>	<i>3,338</i>	3,141	<i>3,291</i>	<i>3,338</i>
Producing Region (d)	358	691	953	1,070	604	<i>1,050</i>	<i>1,229</i>	<i>1,193</i>	<i>769</i>	<i>1,046</i>	<i>1,217</i>	<i>1,192</i>	1,070	<i>1,193</i>	<i>1,192</i>
East Consuming Region (d)	315	952	1,752	1,607	501	<i>1,142</i>	<i>1,826</i>	<i>1,606</i>	<i>663</i>	<i>1,217</i>	<i>1,865</i>	<i>1,626</i>	1,607	<i>1,606</i>	<i>1,626</i>
West Consuming Region (d)	184	362	483	464	377	<i>456</i>	<i>535</i>	<i>492</i>	<i>334</i>	<i>470</i>	<i>559</i>	<i>521</i>	464	<i>492</i>	<i>521</i>

- = no data available

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

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

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

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

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

LNG: liquefied natural gas.

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

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

Projections: EIA Regional Short-Term Energy Model.

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

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2015

	2014				2015				2016				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2014	2015	2016
Wholesale/Spot															
Henry Hub Spot Price	5.36	4.75	4.08	3.91	2.99	2.83	3.15	3.27	3.41	3.18	3.46	3.60	4.52	3.06	3.41
Residential															
New England	13.65	15.98	18.01	14.41	13.08	<i>13.51</i>	<i>16.57</i>	<i>13.32</i>	<i>12.70</i>	<i>14.27</i>	<i>16.97</i>	<i>13.52</i>	14.52	<i>13.44</i>	<i>13.47</i>
Middle Atlantic	10.71	13.04	17.25	11.15	9.50	<i>11.09</i>	<i>17.11</i>	<i>12.04</i>	<i>10.79</i>	<i>13.20</i>	<i>17.73</i>	<i>12.23</i>	11.58	<i>10.82</i>	<i>11.99</i>
E. N. Central	8.67	12.96	16.85	8.96	7.79	<i>10.51</i>	<i>16.47</i>	<i>8.78</i>	<i>7.92</i>	<i>11.27</i>	<i>16.83</i>	<i>8.79</i>	9.70	<i>8.91</i>	<i>9.11</i>
W. N. Central	9.10	11.76	18.16	9.83	8.65	<i>11.24</i>	<i>16.56</i>	<i>8.77</i>	<i>7.83</i>	<i>10.74</i>	<i>17.29</i>	<i>9.42</i>	10.10	<i>9.42</i>	<i>9.19</i>
S. Atlantic	11.34	16.37	22.98	12.85	10.68	<i>15.86</i>	<i>22.11</i>	<i>12.88</i>	<i>11.33</i>	<i>16.28</i>	<i>22.45</i>	<i>12.97</i>	13.03	<i>12.52</i>	<i>13.08</i>
E. S. Central	9.63	14.08	19.70	11.14	9.34	<i>13.88</i>	<i>18.10</i>	<i>10.71</i>	<i>9.12</i>	<i>13.32</i>	<i>18.55</i>	<i>11.23</i>	11.02	<i>10.67</i>	<i>10.72</i>
W. S. Central	8.53	14.22	20.25	11.62	8.42	<i>13.37</i>	<i>18.13</i>	<i>10.00</i>	<i>7.59</i>	<i>12.70</i>	<i>18.47</i>	<i>10.48</i>	10.83	<i>10.14</i>	<i>9.78</i>
Mountain	9.07	11.22	15.15	9.86	9.58	<i>10.67</i>	<i>14.09</i>	<i>9.29</i>	<i>8.62</i>	<i>9.70</i>	<i>13.54</i>	<i>8.91</i>	10.13	<i>10.00</i>	<i>9.24</i>
Pacific	10.97	11.66	12.41	11.25	11.47	<i>10.98</i>	<i>10.76</i>	<i>9.73</i>	<i>9.77</i>	<i>10.42</i>	<i>11.03</i>	<i>10.09</i>	11.37	<i>10.71</i>	<i>10.14</i>
U.S. Average	9.82	13.11	16.92	10.52	9.29	<i>11.60</i>	<i>15.90</i>	<i>10.20</i>	<i>9.21</i>	<i>12.02</i>	<i>16.28</i>	<i>10.37</i>	10.94	<i>10.27</i>	<i>10.39</i>
Commercial															
New England	11.35	12.82	11.77	11.36	10.70	<i>10.14</i>	<i>10.01</i>	<i>10.20</i>	<i>10.56</i>	<i>10.24</i>	<i>10.38</i>	<i>10.75</i>	11.64	<i>10.43</i>	<i>10.55</i>
Middle Atlantic	9.30	9.06	8.04	8.05	7.90	<i>7.60</i>	<i>7.74</i>	<i>8.44</i>	<i>8.77</i>	<i>8.30</i>	<i>8.27</i>	<i>8.99</i>	8.78	<i>7.96</i>	<i>8.70</i>
E. N. Central	8.02	9.96	10.18	7.71	6.96	<i>7.63</i>	<i>8.69</i>	<i>7.26</i>	<i>7.45</i>	<i>8.46</i>	<i>9.25</i>	<i>7.66</i>	8.33	<i>7.25</i>	<i>7.78</i>
W. N. Central	8.35	9.10	10.19	8.22	7.65	<i>7.58</i>	<i>8.54</i>	<i>7.20</i>	<i>7.48</i>	<i>7.67</i>	<i>8.91</i>	<i>7.65</i>	8.54	<i>7.57</i>	<i>7.67</i>
S. Atlantic	9.23	10.56	10.90	9.47	8.44	<i>9.26</i>	<i>10.10</i>	<i>9.24</i>	<i>9.25</i>	<i>9.81</i>	<i>10.47</i>	<i>9.62</i>	9.69	<i>8.99</i>	<i>9.60</i>
E. S. Central	8.90	10.71	11.17	9.58	8.58	<i>9.45</i>	<i>9.72</i>	<i>8.89</i>	<i>8.42</i>	<i>9.24</i>	<i>10.00</i>	<i>9.27</i>	9.57	<i>8.90</i>	<i>8.96</i>
W. S. Central	7.49	9.24	9.26	8.25	7.14	<i>7.30</i>	<i>7.85</i>	<i>7.28</i>	<i>7.14</i>	<i>7.68</i>	<i>8.26</i>	<i>7.65</i>	8.23	<i>7.30</i>	<i>7.52</i>
Mountain	7.81	8.74	9.90	8.47	8.29	<i>8.23</i>	<i>8.83</i>	<i>7.67</i>	<i>7.37</i>	<i>7.51</i>	<i>8.77</i>	<i>7.81</i>	8.40	<i>8.13</i>	<i>7.67</i>
Pacific	9.29	9.26	9.56	9.28	9.21	<i>8.37</i>	<i>8.61</i>	<i>8.58</i>	<i>8.50</i>	<i>8.22</i>	<i>8.95</i>	<i>8.94</i>	9.32	<i>8.74</i>	<i>8.65</i>
U.S. Average	8.66	9.64	9.69	8.51	7.95	<i>8.08</i>	<i>8.67</i>	<i>8.06</i>	<i>8.15</i>	<i>8.41</i>	<i>9.07</i>	<i>8.47</i>	8.87	<i>8.07</i>	<i>8.38</i>
Industrial															
New England	10.03	9.97	8.04	9.09	9.04	<i>8.16</i>	<i>7.83</i>	<i>8.82</i>	<i>9.10</i>	<i>8.40</i>	<i>8.21</i>	<i>9.27</i>	9.45	<i>8.64</i>	<i>8.87</i>
Middle Atlantic	9.28	8.87	8.15	7.98	7.87	<i>7.53</i>	<i>7.65</i>	<i>8.21</i>	<i>8.29</i>	<i>7.49</i>	<i>7.83</i>	<i>8.49</i>	8.79	<i>7.86</i>	<i>8.14</i>
E. N. Central	8.03	8.87	7.89	6.94	6.49	<i>5.73</i>	<i>5.94</i>	<i>6.10</i>	<i>6.61</i>	<i>6.22</i>	<i>6.43</i>	<i>6.54</i>	7.84	<i>6.20</i>	<i>6.51</i>
W. N. Central	7.34	6.28	5.91	6.38	5.90	<i>4.66</i>	<i>4.88</i>	<i>5.37</i>	<i>5.57</i>	<i>4.81</i>	<i>4.93</i>	<i>5.44</i>	6.57	<i>5.25</i>	<i>5.23</i>
S. Atlantic	6.91	6.42	5.92	5.99	5.50	<i>4.66</i>	<i>4.96</i>	<i>5.38</i>	<i>5.50</i>	<i>5.19</i>	<i>5.43</i>	<i>5.77</i>	6.34	<i>5.15</i>	<i>5.48</i>
E. S. Central	6.37	6.14	5.31	5.50	5.13	<i>4.46</i>	<i>4.65</i>	<i>5.01</i>	<i>5.29</i>	<i>4.82</i>	<i>5.06</i>	<i>5.40</i>	5.86	<i>4.83</i>	<i>5.16</i>
W. S. Central	5.15	4.91	4.52	4.26	3.21	<i>3.04</i>	<i>3.33</i>	<i>3.43</i>	<i>3.50</i>	<i>3.34</i>	<i>3.73</i>	<i>3.80</i>	4.71	<i>3.26</i>	<i>3.59</i>
Mountain	6.55	6.68	6.95	6.65	6.55	<i>6.21</i>	<i>6.23</i>	<i>6.17</i>	<i>5.72</i>	<i>5.39</i>	<i>6.01</i>	<i>6.10</i>	6.69	<i>6.31</i>	<i>5.81</i>
Pacific	7.84	7.63	7.70	7.54	7.36	<i>6.41</i>	<i>6.37</i>	<i>6.44</i>	<i>6.31</i>	<i>6.11</i>	<i>6.63</i>	<i>6.82</i>	7.68	<i>6.68</i>	<i>6.47</i>
U.S. Average	6.17	5.62	5.06	5.16	4.56	<i>3.78</i>	<i>3.95</i>	<i>4.33</i>	<i>4.61</i>	<i>4.06</i>	<i>4.32</i>	<i>4.69</i>	5.53	<i>4.17</i>	<i>4.44</i>

- = no data available

Prices are not adjusted for inflation.

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

Regions refer to U.S. Census divisions.

See "Census division" in EIA's Energy Glossary (<http://www.eia.doe.gov/glossary/index.html>) for a list of States in each region.**Historical data:** Latest data available from Energy Information Administration databases supporting the *Natural Gas Monthly*, DOE/EIA-0130.Natural gas Henry Hub spot price from Reuter's News Service (<http://www.reuters.com>).

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

Projections: 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 2015

	2014				2015				2016				Year			
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2014	2015	2016	
Supply (million short tons)																
Production	245.2	245.8	255.3	250.3	236.5	<i>211.1</i>	<i>237.6</i>	<i>236.3</i>	<i>237.3</i>	<i>216.6</i>	<i>239.8</i>	<i>232.8</i>	996.7	<i>921.5</i>	<i>926.5</i>	
Appalachia	67.5	69.7	67.5	65.6	64.7	<i>57.8</i>	<i>57.2</i>	<i>57.7</i>	<i>63.1</i>	<i>59.1</i>	<i>57.5</i>	<i>56.6</i>	270.3	<i>237.5</i>	<i>236.3</i>	
Interior	46.3	44.8	49.3	47.0	44.3	<i>39.8</i>	<i>49.8</i>	<i>48.4</i>	<i>46.3</i>	<i>44.6</i>	<i>48.5</i>	<i>46.7</i>	187.4	<i>182.2</i>	<i>186.1</i>	
Western	131.4	131.4	138.5	137.7	127.5	<i>113.4</i>	<i>130.7</i>	<i>130.2</i>	<i>127.8</i>	<i>112.9</i>	<i>133.8</i>	<i>129.5</i>	538.9	<i>501.8</i>	<i>504.1</i>	
Primary Inventory Withdrawals	-0.5	0.6	2.4	-1.5	-0.7	<i>0.3</i>	<i>3.1</i>	<i>-1.6</i>	<i>-1.0</i>	<i>0.7</i>	<i>2.9</i>	<i>-1.6</i>	0.9	<i>1.1</i>	<i>1.0</i>	
Imports	2.4	3.5	3.2	2.1	3.0	<i>2.5</i>	<i>3.3</i>	<i>2.9</i>	<i>2.2</i>	<i>2.4</i>	<i>3.3</i>	<i>2.9</i>	11.3	<i>11.6</i>	<i>10.8</i>	
Exports	27.7	24.6	22.7	22.3	22.0	<i>22.5</i>	<i>20.9</i>	<i>22.1</i>	<i>20.0</i>	<i>23.4</i>	<i>21.5</i>	<i>23.3</i>	97.3	<i>87.4</i>	<i>88.2</i>	
Metallurgical Coal	16.9	15.8	15.2	15.2	13.5	<i>12.8</i>	<i>11.5</i>	<i>12.6</i>	<i>12.5</i>	<i>13.1</i>	<i>11.8</i>	<i>13.4</i>	63.0	<i>50.5</i>	<i>50.8</i>	
Steam Coal	10.9	8.8	7.5	7.1	8.5	<i>9.7</i>	<i>9.4</i>	<i>9.4</i>	<i>7.5</i>	<i>10.3</i>	<i>9.7</i>	<i>9.9</i>	34.3	<i>37.0</i>	<i>37.4</i>	
Total Primary Supply	219.4	225.4	238.2	228.6	216.8	<i>191.4</i>	<i>223.1</i>	<i>215.5</i>	<i>218.5</i>	<i>196.3</i>	<i>224.5</i>	<i>210.7</i>	911.6	<i>846.8</i>	<i>850.1</i>	
Secondary Inventory Withdrawals	30.6	-14.8	8.4	-28.0	-3.3	<i>-11.2</i>	<i>16.7</i>	<i>-3.8</i>	<i>-0.1</i>	<i>-6.0</i>	<i>14.1</i>	<i>-4.5</i>	-3.8	<i>-1.6</i>	<i>3.5</i>	
Waste Coal (a)	3.2	2.8	2.6	2.6	2.7	<i>2.7</i>	<i>2.7</i>	<i>2.7</i>	<i>2.8</i>	<i>2.8</i>	<i>2.8</i>	<i>2.8</i>	11.2	<i>10.8</i>	<i>11.1</i>	
Total Supply	253.2	213.3	249.2	203.2	216.3	<i>182.9</i>	<i>242.5</i>	<i>214.3</i>	<i>221.2</i>	<i>193.1</i>	<i>241.4</i>	<i>209.0</i>	919.0	<i>856.0</i>	<i>864.7</i>	
Consumption (million short tons)																
Coke Plants	4.8	5.1	5.2	5.2	4.4	<i>4.3</i>	<i>5.0</i>	<i>4.9</i>	<i>3.9</i>	<i>3.7</i>	<i>4.4</i>	<i>4.2</i>	20.4	<i>18.6</i>	<i>16.2</i>	
Electric Power Sector (b)	231.3	196.0	231.2	193.0	196.5	<i>172.8</i>	<i>227.0</i>	<i>198.5</i>	<i>205.9</i>	<i>178.8</i>	<i>226.5</i>	<i>193.8</i>	851.4	<i>794.8</i>	<i>805.0</i>	
Retail and Other Industry	12.0	10.9	11.0	11.1	11.4	<i>10.3</i>	<i>10.5</i>	<i>11.0</i>	<i>11.4</i>	<i>10.5</i>	<i>10.5</i>	<i>11.0</i>	45.0	<i>43.1</i>	<i>43.5</i>	
Residential and Commercial	0.7	0.4	0.4	0.7	0.8	<i>0.6</i>	<i>0.5</i>	<i>0.7</i>	<i>0.8</i>	<i>0.5</i>	<i>0.5</i>	<i>0.6</i>	2.2	<i>2.6</i>	<i>2.4</i>	
Other Industrial	11.3	10.5	10.6	10.4	10.6	<i>9.8</i>	<i>9.9</i>	<i>10.3</i>	<i>10.6</i>	<i>10.0</i>	<i>10.0</i>	<i>10.4</i>	42.8	<i>40.6</i>	<i>41.1</i>	
Total Consumption	248.2	212.0	247.4	209.3	212.3	<i>187.4</i>	<i>242.5</i>	<i>214.3</i>	<i>221.2</i>	<i>193.1</i>	<i>241.4</i>	<i>209.0</i>	916.9	<i>856.5</i>	<i>864.7</i>	
Discrepancy (c)	5.0	1.3	1.9	-6.1	4.0	<i>-4.6</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	2.1	<i>-0.6</i>	<i>0.0</i>	
End-of-period Inventories (million short tons)																
Primary Inventories (d)	46.2	45.6	43.2	44.7	45.5	<i>45.2</i>	<i>42.1</i>	<i>43.7</i>	<i>44.7</i>	<i>44.0</i>	<i>41.1</i>	<i>42.7</i>	44.7	<i>43.7</i>	<i>42.7</i>	
Secondary Inventories	124.0	138.9	130.5	158.4	161.7	<i>172.9</i>	<i>156.2</i>	<i>160.1</i>	<i>160.1</i>	<i>166.2</i>	<i>152.0</i>	<i>156.5</i>	158.4	<i>160.1</i>	<i>156.5</i>	
Electric Power Sector	118.3	132.9	123.8	151.4	155.6	<i>166.1</i>	<i>148.8</i>	<i>152.3</i>	<i>153.4</i>	<i>158.8</i>	<i>144.2</i>	<i>148.4</i>	151.4	<i>152.3</i>	<i>148.4</i>	
Retail and General Industry	3.5	3.6	4.4	4.8	4.1	<i>4.5</i>	<i>5.1</i>	<i>5.5</i>	<i>4.8</i>	<i>5.0</i>	<i>5.6</i>	<i>5.9</i>	4.8	<i>5.5</i>	<i>5.9</i>	
Coke Plants	1.8	1.9	1.8	1.9	1.6	<i>1.9</i>	<i>1.8</i>	<i>1.8</i>	<i>1.5</i>	<i>1.9</i>	<i>1.8</i>	<i>1.8</i>	1.9	<i>1.8</i>	<i>1.8</i>	
Coal Market Indicators																
Coal Miner Productivity																
(Tons per hour)	5.47	5.47	5.47	5.47	5.61	<i>5.61</i>	<i>5.61</i>	<i>5.61</i>	<i>5.61</i>	<i>5.46</i>	<i>5.46</i>	<i>5.46</i>	<i>5.46</i>	5.47	<i>5.61</i>	<i>5.46</i>
Total Raw Steel Production																
(Million short tons per day)	0.262	0.263	0.271	0.262	0.247	<i>0.243</i>	<i>0.232</i>	<i>0.213</i>	<i>0.216</i>	<i>0.219</i>	<i>0.199</i>	<i>0.187</i>	0.264	<i>0.233</i>	<i>0.205</i>	
Cost of Coal to Electric Utilities																
(Dollars per million Btu)	2.33	2.39	2.37	2.37	2.26	<i>2.30</i>	<i>2.31</i>	<i>2.29</i>	<i>2.29</i>	<i>2.32</i>	<i>2.32</i>	<i>2.28</i>	2.36	<i>2.29</i>	<i>2.30</i>	

- = no data available

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

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

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

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

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

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

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

Projections: EIA Regional Short-Term Energy Model.

Table 7a. U.S. Electricity Industry Overview

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2015

	2014				2015				2016				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2014	2015	2016
Electricity Supply (billion kilowatthours per day)															
Electricity Generation	11.49	10.77	12.06	10.54	11.33	<i>10.87</i>	<i>12.32</i>	<i>10.63</i>	<i>11.08</i>	<i>11.02</i>	<i>12.51</i>	<i>10.74</i>	11.21	<i>11.29</i>	<i>11.34</i>
Electric Power Sector (a)	11.04	10.36	11.62	10.11	10.91	<i>10.47</i>	<i>11.87</i>	<i>10.19</i>	<i>10.65</i>	<i>10.61</i>	<i>12.05</i>	<i>10.29</i>	10.78	<i>10.86</i>	<i>10.90</i>
Comm. and Indus. Sectors (b)	0.44	0.41	0.44	0.42	0.42	<i>0.41</i>	<i>0.45</i>	<i>0.43</i>	<i>0.43</i>	<i>0.41</i>	<i>0.46</i>	<i>0.45</i>	0.43	<i>0.43</i>	<i>0.44</i>
Net Imports	0.11	0.12	0.16	0.14	0.17	<i>0.19</i>	<i>0.18</i>	<i>0.11</i>	<i>0.11</i>	<i>0.11</i>	<i>0.14</i>	<i>0.09</i>	0.13	<i>0.16</i>	<i>0.11</i>
Total Supply	11.59	10.89	12.22	10.68	11.50	<i>11.06</i>	<i>12.50</i>	<i>10.73</i>	<i>11.19</i>	<i>11.13</i>	<i>12.65</i>	<i>10.83</i>	11.35	<i>11.45</i>	<i>11.45</i>
Losses and Unaccounted for (c)	0.72	0.86	0.76	0.73	0.77	<i>0.94</i>	<i>0.75</i>	<i>0.72</i>	<i>0.59</i>	<i>0.91</i>	<i>0.78</i>	<i>0.72</i>	0.77	<i>0.80</i>	<i>0.75</i>
Electricity Consumption (billion kilowatthours per day unless noted)															
Retail Sales	10.48	9.67	11.07	9.58	10.36	<i>9.77</i>	<i>11.36</i>	<i>9.63</i>	<i>10.23</i>	<i>9.86</i>	<i>11.46</i>	<i>9.72</i>	10.20	<i>10.28</i>	<i>10.32</i>
Residential Sector	4.31	3.36	4.26	3.45	4.19	<i>3.40</i>	<i>4.39</i>	<i>3.44</i>	<i>4.00</i>	<i>3.39</i>	<i>4.42</i>	<i>3.47</i>	3.84	<i>3.86</i>	<i>3.82</i>
Commercial Sector	3.62	3.65	4.06	3.54	3.61	<i>3.72</i>	<i>4.19</i>	<i>3.59</i>	<i>3.63</i>	<i>3.76</i>	<i>4.25</i>	<i>3.63</i>	3.72	<i>3.78</i>	<i>3.82</i>
Industrial Sector	2.52	2.65	2.73	2.57	2.53	<i>2.63</i>	<i>2.75</i>	<i>2.58</i>	<i>2.58</i>	<i>2.69</i>	<i>2.78</i>	<i>2.60</i>	2.62	<i>2.62</i>	<i>2.66</i>
Transportation Sector	0.02	0.02	0.02	0.02	0.02	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	0.02	<i>0.02</i>	<i>0.02</i>
Direct Use (d)	0.39	0.36	0.39	0.37	0.37	<i>0.35</i>	<i>0.39</i>	<i>0.38</i>	<i>0.37</i>	<i>0.36</i>	<i>0.40</i>	<i>0.39</i>	0.38	<i>0.37</i>	<i>0.38</i>
Total Consumption	10.87	10.04	11.46	9.95	10.73	<i>10.12</i>	<i>11.75</i>	<i>10.01</i>	<i>10.60</i>	<i>10.22</i>	<i>11.86</i>	<i>10.11</i>	10.58	<i>10.65</i>	<i>10.70</i>
Average residential electricity usage per customer (kWh)	3,023	2,372	3,040	2,456	2,916	<i>2,386</i>	<i>3,107</i>	<i>2,430</i>	<i>2,786</i>	<i>2,357</i>	<i>3,099</i>	<i>2,425</i>	10,892	<i>10,839</i>	<i>10,667</i>
Prices															
Power Generation Fuel Costs (dollars per million Btu)															
Coal	2.33	2.39	2.37	2.37	2.26	<i>2.30</i>	<i>2.31</i>	<i>2.29</i>	<i>2.29</i>	<i>2.32</i>	<i>2.32</i>	<i>2.28</i>	2.36	<i>2.29</i>	<i>2.30</i>
Natural Gas	6.82	4.93	4.25	4.30	4.09	<i>3.40</i>	<i>3.79</i>	<i>4.14</i>	<i>4.24</i>	<i>3.81</i>	<i>4.06</i>	<i>4.42</i>	4.98	<i>3.84</i>	<i>4.12</i>
Residual Fuel Oil	19.97	20.44	19.75	14.72	10.82	<i>11.61</i>	<i>11.99</i>	<i>11.98</i>	<i>11.90</i>	<i>12.83</i>	<i>13.06</i>	<i>12.88</i>	19.18	<i>11.38</i>	<i>12.66</i>
Distillate Fuel Oil	23.40	22.77	21.88	18.72	15.39	<i>16.46</i>	<i>16.31</i>	<i>17.11</i>	<i>17.41</i>	<i>17.83</i>	<i>18.21</i>	<i>18.60</i>	22.34	<i>16.09</i>	<i>17.97</i>
End-Use Prices (cents per kilowatthour)															
Residential Sector	11.91	12.73	13.01	12.38	12.24	<i>13.04</i>	<i>13.30</i>	<i>12.65</i>	<i>12.59</i>	<i>13.31</i>	<i>13.58</i>	<i>12.94</i>	12.50	<i>12.81</i>	<i>13.12</i>
Commercial Sector	10.55	10.68	11.11	10.59	10.50	<i>10.79</i>	<i>11.50</i>	<i>10.80</i>	<i>10.78</i>	<i>11.04</i>	<i>11.73</i>	<i>11.01</i>	10.75	<i>10.92</i>	<i>11.17</i>
Industrial Sector	6.99	6.92	7.36	6.76	6.76	<i>6.89</i>	<i>7.59</i>	<i>6.85</i>	<i>6.91</i>	<i>7.00</i>	<i>7.68</i>	<i>6.91</i>	7.01	<i>7.04</i>	<i>7.14</i>

- = no data available. kWh = kilowatthours. Btu = British thermal units.

Prices are not adjusted for inflation.

(a) Generation supplied by electricity-only and combined-heat-and-power (CHP) plants operated by electric utilities and independent power producers.

(b) Generation supplied by CHP and electricity-only plants operated by businesses in the commercial and industrial sectors, primarily for onsite use.

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

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

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

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

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

Projections: 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 2015

	2014				2015				2016				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2014	2015	2016
Residential Sector															
New England	153	111	136	118	152	112	137	120	140	112	139	120	129	130	128
Middle Atlantic	423	315	383	323	423	323	402	325	389	317	404	325	361	368	359
E. N. Central	616	446	513	479	588	443	555	475	552	440	550	476	513	515	505
W. N. Central	352	246	293	265	325	237	312	263	321	247	313	268	289	284	287
S. Atlantic	1,080	858	1,088	861	1,072	895	1,120	861	998	861	1,131	866	971	987	964
E. S. Central	404	278	363	288	390	283	374	283	357	280	373	283	333	332	324
W. S. Central	617	501	731	498	602	518	726	498	574	537	740	505	587	586	589
Mountain	238	242	321	226	234	239	341	231	246	247	349	237	257	261	270
Pacific contiguous	419	347	422	378	394	341	412	372	406	340	407	374	391	380	382
AK and HI	14	11	12	13	13	12	12	13	13	12	12	13	13	12	12
Total	4,315	3,355	4,260	3,449	4,194	3,402	4,390	3,442	3,997	3,391	4,419	3,467	3,844	3,856	3,819
Commercial Sector															
New England	148	138	154	139	148	141	157	139	145	138	156	139	145	146	145
Middle Atlantic	442	413	461	409	444	418	475	411	440	415	477	413	431	437	436
E. N. Central	511	490	526	480	510	494	553	488	512	506	561	494	502	511	518
W. N. Central	287	273	298	272	281	273	312	276	286	283	318	281	282	286	292
S. Atlantic	803	842	920	793	805	869	957	810	813	869	969	820	840	861	868
E. S. Central	239	237	271	226	235	243	283	228	234	244	286	230	243	247	249
W. S. Central	494	521	610	504	496	541	623	509	497	546	637	518	532	542	550
Mountain	239	259	287	243	239	261	299	249	247	271	306	254	257	262	269
Pacific contiguous	442	463	514	461	434	460	517	463	439	470	519	466	470	469	474
AK and HI	17	16	17	17	16	16	17	17	16	16	17	17	16	16	16
Total	3,621	3,652	4,056	3,544	3,609	3,716	4,193	3,589	3,629	3,759	4,246	3,632	3,719	3,778	3,817
Industrial Sector															
New England	49	50	52	50	49	50	53	48	48	49	52	48	50	50	49
Middle Atlantic	201	198	205	194	198	199	209	197	203	203	210	198	199	201	204
E. N. Central	525	532	544	519	520	521	536	508	519	527	537	509	530	521	523
W. N. Central	231	240	253	238	237	248	268	250	245	256	270	252	241	251	256
S. Atlantic	372	397	404	383	376	393	398	375	373	400	405	381	389	386	390
E. S. Central	279	287	296	283	279	291	289	284	296	292	290	285	286	286	291
W. S. Central	431	465	471	444	428	448	483	449	440	470	488	453	453	452	463
Mountain	210	235	250	220	217	240	256	227	223	246	263	234	229	235	241
Pacific contiguous	213	228	244	223	216	229	245	227	216	229	245	227	227	229	229
AK and HI	13	14	14	14	13	14	14	14	13	14	14	14	14	14	14
Total	2,522	2,646	2,734	2,567	2,531	2,632	2,753	2,580	2,577	2,686	2,775	2,601	2,618	2,625	2,660
Total All Sectors (a)															
New England	352	300	344	308	350	304	348	309	335	300	349	309	326	327	323
Middle Atlantic	1,078	936	1,059	936	1,077	951	1,097	945	1,045	947	1,103	948	1,002	1,017	1,011
E. N. Central	1,654	1,469	1,584	1,480	1,620	1,459	1,647	1,473	1,585	1,475	1,650	1,481	1,547	1,550	1,548
W. N. Central	870	760	843	776	843	758	892	790	853	786	901	801	812	821	835
S. Atlantic	2,259	2,100	2,415	2,041	2,256	2,161	2,479	2,050	2,188	2,134	2,509	2,071	2,204	2,237	2,226
E. S. Central	922	803	931	797	904	817	946	795	888	817	950	798	863	865	863
W. S. Central	1,542	1,487	1,812	1,446	1,527	1,507	1,832	1,455	1,511	1,553	1,866	1,476	1,572	1,581	1,602
Mountain	687	737	858	689	690	740	897	708	716	763	918	725	743	759	781
Pacific contiguous	1,076	1,040	1,182	1,064	1,046	1,033	1,177	1,064	1,064	1,042	1,174	1,069	1,091	1,080	1,087
AK and HI	44	41	43	43	42	41	43	44	43	41	43	44	43	42	43
Total	10,481	9,674	11,072	9,581	10,356	9,770	11,357	9,633	10,227	9,857	11,463	9,722	10,202	10,280	10,319

- = 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: 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 2015

	2014				2015				2016				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2014	2015	2016
Residential Sector															
New England	17.53	18.03	17.60	18.24	20.42	20.73	20.22	19.51	19.66	19.85	19.99	20.01	17.82	20.22	19.87
Middle Atlantic	16.26	16.58	16.66	16.02	15.76	16.22	16.58	16.18	16.21	16.64	16.98	16.59	16.38	16.18	16.61
E. N. Central	11.56	12.96	12.98	12.73	12.22	13.34	13.18	12.95	12.57	13.61	13.47	13.20	12.50	12.89	13.19
W. N. Central	10.04	11.80	12.31	10.65	10.25	12.15	12.51	10.90	10.55	12.38	12.83	11.15	11.14	11.42	11.70
S. Atlantic	11.31	11.98	12.13	11.61	11.39	12.02	12.26	11.78	11.81	12.40	12.54	12.04	11.75	11.87	12.21
E. S. Central	10.30	11.21	10.97	10.66	10.34	11.24	11.08	10.85	10.81	11.59	11.40	11.14	10.75	10.85	11.22
W. S. Central	10.40	11.43	11.39	11.06	10.67	11.53	11.62	11.16	11.03	11.71	11.78	11.26	11.07	11.26	11.47
Mountain	10.93	12.02	12.33	11.31	11.31	12.32	12.62	11.57	11.62	12.66	12.97	11.87	11.71	12.03	12.35
Pacific	12.93	12.78	15.53	13.15	13.68	14.21	16.44	13.81	14.21	14.59	16.97	14.29	13.65	14.59	15.05
U.S. Average	11.91	12.73	13.01	12.38	12.24	13.04	13.30	12.65	12.59	13.31	13.58	12.94	12.50	12.81	13.12
Commercial Sector															
New England	15.62	14.32	14.43	14.33	16.93	15.74	16.32	15.86	18.67	17.46	17.78	17.18	14.68	16.22	17.78
Middle Atlantic	14.29	13.32	13.94	12.94	13.18	13.37	14.68	13.32	13.40	13.63	14.90	13.50	13.64	13.67	13.89
E. N. Central	9.69	9.96	10.00	9.88	9.75	10.01	10.05	9.92	9.90	10.10	10.11	9.96	9.88	9.94	10.02
W. N. Central	8.60	9.39	9.86	8.69	8.57	9.55	10.18	8.88	8.79	9.78	10.46	9.13	9.15	9.33	9.57
S. Atlantic	9.83	9.68	9.70	9.65	9.68	9.58	9.87	9.79	9.85	9.76	10.05	9.96	9.72	9.73	9.91
E. S. Central	10.26	10.51	10.40	10.22	10.22	10.40	10.45	10.51	10.53	10.59	10.61	10.66	10.35	10.40	10.60
W. S. Central	8.13	8.34	8.30	8.15	8.05	7.94	8.38	8.02	8.19	8.08	8.45	8.05	8.24	8.11	8.20
Mountain	9.12	9.89	10.19	9.42	9.39	10.15	10.47	9.63	9.63	10.39	10.75	9.88	9.69	9.95	10.20
Pacific	11.73	13.21	15.67	13.79	12.30	14.21	16.88	14.10	12.81	14.57	17.35	14.57	13.68	14.49	14.93
U.S. Average	10.55	10.68	11.11	10.59	10.50	10.79	11.50	10.80	10.78	11.04	11.73	11.01	10.75	10.92	11.17
Industrial Sector															
New England	12.97	11.47	11.43	11.18	13.18	12.12	13.19	12.03	14.03	12.72	13.73	12.46	11.74	12.64	13.24
Middle Atlantic	8.74	7.36	7.28	7.07	7.87	7.38	7.79	7.23	7.94	7.47	7.83	7.28	7.61	7.57	7.63
E. N. Central	7.01	6.84	7.01	6.85	6.87	6.88	7.18	6.99	7.04	7.02	7.30	7.09	6.93	6.98	7.12
W. N. Central	6.52	6.68	7.32	6.32	6.49	6.81	7.56	6.51	6.67	6.95	7.72	6.63	6.72	6.86	7.01
S. Atlantic	6.80	6.68	6.96	6.49	6.56	6.60	7.10	6.56	6.74	6.70	7.13	6.56	6.73	6.71	6.79
E. S. Central	6.16	6.23	6.76	5.68	5.78	6.11	6.79	5.78	5.83	6.13	6.79	5.77	6.22	6.12	6.13
W. S. Central	5.87	6.04	6.34	5.92	5.65	5.76	6.46	5.74	5.76	5.85	6.49	5.76	6.05	5.92	5.98
Mountain	6.15	6.73	7.38	6.25	6.18	6.70	7.53	6.33	6.34	6.86	7.72	6.46	6.66	6.72	6.88
Pacific	7.70	8.11	9.59	8.63	7.83	8.37	9.95	8.80	8.03	8.49	10.09	8.93	8.54	8.78	8.92
U.S. Average	6.99	6.92	7.36	6.76	6.76	6.89	7.59	6.85	6.91	7.00	7.68	6.91	7.01	7.04	7.14
All Sectors (a)															
New England	16.05	15.19	15.20	15.29	17.90	16.97	17.36	16.64	18.38	17.54	18.02	17.51	15.45	17.24	17.88
Middle Atlantic	14.00	13.15	13.63	12.78	13.20	13.07	14.04	13.01	13.36	13.29	14.29	13.23	13.42	13.35	13.57
E. N. Central	9.53	9.73	9.93	9.74	9.72	9.90	10.17	9.88	9.89	10.04	10.31	10.01	9.73	9.92	10.07
W. N. Central	8.63	9.31	9.95	8.64	8.64	9.47	10.21	8.80	8.84	9.68	10.46	9.02	9.14	9.30	9.52
S. Atlantic	10.04	10.05	10.34	9.88	9.97	10.05	10.50	10.03	10.21	10.25	10.70	10.20	10.09	10.15	10.36
E. S. Central	9.04	9.22	9.47	8.77	8.90	9.16	9.58	8.94	9.08	9.34	9.75	9.08	9.13	9.16	9.33
W. S. Central	8.41	8.66	9.04	8.47	8.41	8.52	9.16	8.39	8.56	8.66	9.26	8.45	8.66	8.65	8.76
Mountain	8.84	9.58	10.17	9.03	9.03	9.73	10.45	9.20	9.29	9.99	10.72	9.43	9.46	9.66	9.92
Pacific	11.39	11.93	14.35	12.47	11.89	12.90	15.26	12.85	12.36	13.22	15.68	13.26	12.59	13.30	13.69
U.S. Average	10.25	10.36	10.92	10.21	10.29	10.52	11.25	10.40	10.51	10.72	11.46	10.60	10.45	10.64	10.85

- = 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: EIA Regional Short-Term Energy Model.

Table 7d. U.S. Regional Electricity Generation, All Sectors (Thousand megawatthours per day)

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2015

	2014				2015				2016				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2014	2015	2016
United States															
Coal	4,864	4,029	4,624	3,869	4,094	<i>3,500</i>	<i>4,525</i>	<i>3,943</i>	<i>4,207</i>	<i>3,637</i>	<i>4,521</i>	<i>3,855</i>	4,344	<i>4,016</i>	<i>4,056</i>
Natural Gas	2,715	2,898	3,725	2,948	3,236	<i>3,416</i>	<i>4,141</i>	<i>3,138</i>	<i>3,057</i>	<i>3,261</i>	<i>4,111</i>	<i>3,164</i>	3,074	<i>3,484</i>	<i>3,400</i>
Petroleum (a)	148	64	66	58	124	<i>65</i>	<i>74</i>	<i>69</i>	<i>82</i>	<i>70</i>	<i>77</i>	<i>68</i>	84	<i>83</i>	<i>74</i>
Other Gases	28	29	35	34	34	<i>33</i>	<i>37</i>	<i>35</i>	<i>34</i>	<i>33</i>	<i>38</i>	<i>36</i>	32	<i>35</i>	<i>36</i>
Nuclear	2,201	2,060	2,289	2,184	2,248	<i>2,140</i>	<i>2,174</i>	<i>2,016</i>	<i>2,115</i>	<i>2,078</i>	<i>2,226</i>	<i>2,065</i>	2,184	<i>2,144</i>	<i>2,121</i>
Renewable Energy Sources:															
Conventional Hydropower	703	849	652	633	797	<i>819</i>	<i>598</i>	<i>574</i>	<i>684</i>	<i>939</i>	<i>689</i>	<i>617</i>	709	<i>696</i>	<i>732</i>
Wind	553	549	367	525	506	<i>569</i>	<i>434</i>	<i>558</i>	<i>607</i>	<i>652</i>	<i>476</i>	<i>612</i>	498	<i>517</i>	<i>587</i>
Wood Biomass	119	114	121	118	117	<i>113</i>	<i>124</i>	<i>118</i>	<i>118</i>	<i>115</i>	<i>128</i>	<i>122</i>	118	<i>118</i>	<i>121</i>
Waste Biomass	56	59	60	59	55	<i>58</i>	<i>62</i>	<i>60</i>	<i>59</i>	<i>60</i>	<i>62</i>	<i>60</i>	58	<i>59</i>	<i>60</i>
Geothermal	45	45	45	46	47	<i>45</i>	<i>45</i>	<i>44</i>	<i>45</i>	<i>43</i>	<i>44</i>	<i>44</i>	46	<i>45</i>	<i>44</i>
Solar	35	61	61	44	56	<i>91</i>	<i>86</i>	<i>50</i>	<i>52</i>	<i>105</i>	<i>113</i>	<i>73</i>	50	<i>71</i>	<i>86</i>
Pumped Storage Hydropower	-13	-18	-21	-16	-14	<i>-9</i>	<i>-15</i>	<i>-13</i>	<i>-13</i>	<i>-11</i>	<i>-15</i>	<i>-13</i>	-17	<i>-13</i>	<i>-13</i>
Other Nonrenewable Fuels (b)	32	34	36	35	33	<i>35</i>	<i>36</i>	<i>35</i>	<i>34</i>	<i>36</i>	<i>37</i>	<i>36</i>	34	<i>35</i>	<i>36</i>
Total Generation	11,486	10,773	12,060	10,536	11,333	<i>10,874</i>	<i>12,321</i>	<i>10,627</i>	<i>11,081</i>	<i>11,019</i>	<i>12,508</i>	<i>10,739</i>	11,214	<i>11,290</i>	<i>11,338</i>
Northeast Census Region															
Coal	353	244	210	207	293	<i>161</i>	<i>221</i>	<i>235</i>	<i>300</i>	<i>157</i>	<i>187</i>	<i>204</i>	253	<i>227</i>	<i>212</i>
Natural Gas	413	485	632	493	479	<i>534</i>	<i>667</i>	<i>531</i>	<i>495</i>	<i>553</i>	<i>697</i>	<i>544</i>	506	<i>553</i>	<i>573</i>
Petroleum (a)	55	2	3	3	47	<i>3</i>	<i>6</i>	<i>5</i>	<i>9</i>	<i>4</i>	<i>6</i>	<i>5</i>	16	<i>15</i>	<i>6</i>
Other Gases	2	2	2	2	2	<i>2</i>	<i>2</i>	<i>2</i>	<i>2</i>	<i>2</i>	<i>2</i>	<i>2</i>	2	<i>2</i>	<i>2</i>
Nuclear	542	471	539	531	545	<i>500</i>	<i>505</i>	<i>469</i>	<i>493</i>	<i>482</i>	<i>513</i>	<i>476</i>	521	<i>505</i>	<i>491</i>
Hydropower (c)	94	100	84	91	91	<i>108</i>	<i>94</i>	<i>92</i>	<i>98</i>	<i>113</i>	<i>100</i>	<i>97</i>	92	<i>96</i>	<i>102</i>
Other Renewables (d)	73	64	60	72	76	<i>66</i>	<i>61</i>	<i>70</i>	<i>73</i>	<i>66</i>	<i>62</i>	<i>73</i>	67	<i>68</i>	<i>68</i>
Other Nonrenewable Fuels (b)	11	12	13	12	11	<i>12</i>	<i>12</i>	<i>12</i>	<i>12</i>	<i>12</i>	<i>12</i>	<i>12</i>	12	<i>12</i>	<i>12</i>
Total Generation	1,542	1,381	1,543	1,411	1,543	<i>1,385</i>	<i>1,567</i>	<i>1,416</i>	<i>1,482</i>	<i>1,389</i>	<i>1,579</i>	<i>1,413</i>	1,469	<i>1,478</i>	<i>1,466</i>
South Census Region															
Coal	2,122	1,849	2,100	1,614	1,713	<i>1,524</i>	<i>1,884</i>	<i>1,536</i>	<i>1,704</i>	<i>1,598</i>	<i>1,941</i>	<i>1,533</i>	1,920	<i>1,664</i>	<i>1,694</i>
Natural Gas	1,544	1,729	2,088	1,637	1,976	<i>2,064</i>	<i>2,387</i>	<i>1,790</i>	<i>1,777</i>	<i>1,991</i>	<i>2,339</i>	<i>1,765</i>	1,751	<i>2,055</i>	<i>1,968</i>
Petroleum (a)	53	28	26	24	42	<i>28</i>	<i>30</i>	<i>26</i>	<i>33</i>	<i>29</i>	<i>31</i>	<i>25</i>	33	<i>31</i>	<i>30</i>
Other Gases	11	11	14	14	13	<i>13</i>	<i>15</i>	<i>15</i>	<i>13</i>	<i>14</i>	<i>16</i>	<i>16</i>	13	<i>14</i>	<i>15</i>
Nuclear	966	882	994	977	974	<i>962</i>	<i>963</i>	<i>893</i>	<i>942</i>	<i>930</i>	<i>1,006</i>	<i>933</i>	955	<i>948</i>	<i>953</i>
Hydropower (c)	150	107	80	107	127	<i>121</i>	<i>83</i>	<i>103</i>	<i>137</i>	<i>125</i>	<i>89</i>	<i>109</i>	111	<i>109</i>	<i>115</i>
Other Renewables (d)	241	257	204	240	228	<i>276</i>	<i>239</i>	<i>285</i>	<i>302</i>	<i>327</i>	<i>273</i>	<i>321</i>	235	<i>257</i>	<i>306</i>
Other Nonrenewable Fuels (b)	13	13	14	14	14	<i>14</i>	<i>14</i>	<i>14</i>	<i>14</i>	<i>14</i>	<i>15</i>	<i>14</i>	13	<i>14</i>	<i>14</i>
Total Generation	5,100	4,875	5,520	4,627	5,089	<i>5,001</i>	<i>5,616</i>	<i>4,663</i>	<i>4,921</i>	<i>5,027</i>	<i>5,709</i>	<i>4,716</i>	5,031	<i>5,092</i>	<i>5,094</i>
Midwest Census Region															
Coal	1,801	1,439	1,682	1,492	1,581	<i>1,383</i>	<i>1,751</i>	<i>1,514</i>	<i>1,594</i>	<i>1,425</i>	<i>1,749</i>	<i>1,516</i>	1,603	<i>1,558</i>	<i>1,571</i>
Natural Gas	194	184	203	189	295	<i>234</i>	<i>278</i>	<i>207</i>	<i>255</i>	<i>234</i>	<i>293</i>	<i>212</i>	193	<i>253</i>	<i>248</i>
Petroleum (a)	14	13	12	9	12	<i>10</i>	<i>12</i>	<i>11</i>	<i>12</i>	<i>11</i>	<i>12</i>	<i>11</i>	12	<i>11</i>	<i>12</i>
Other Gases	11	12	14	12	13	<i>13</i>	<i>14</i>	<i>12</i>	<i>13</i>	<i>13</i>	<i>15</i>	<i>13</i>	12	<i>13</i>	<i>13</i>
Nuclear	533	543	586	525	553	<i>527</i>	<i>542</i>	<i>503</i>	<i>521</i>	<i>509</i>	<i>542</i>	<i>503</i>	547	<i>531</i>	<i>519</i>
Hydropower (c)	33	45	44	41	42	<i>45</i>	<i>44</i>	<i>38</i>	<i>44</i>	<i>47</i>	<i>47</i>	<i>40</i>	41	<i>42</i>	<i>45</i>
Other Renewables (d)	253	214	148	244	250	<i>226</i>	<i>165</i>	<i>246</i>	<i>261</i>	<i>251</i>	<i>180</i>	<i>266</i>	214	<i>222</i>	<i>239</i>
Other Nonrenewable Fuels (b)	4	5	5	4	4	<i>5</i>	<i>5</i>	<i>5</i>	<i>4</i>	<i>5</i>	<i>5</i>	<i>5</i>	4	<i>5</i>	<i>5</i>
Total Generation	2,843	2,454	2,693	2,516	2,749	<i>2,444</i>	<i>2,812</i>	<i>2,536</i>	<i>2,703</i>	<i>2,494</i>	<i>2,843</i>	<i>2,565</i>	2,626	<i>2,635</i>	<i>2,652</i>
West Census Region															
Coal	588	497	632	556	506	<i>432</i>	<i>669</i>	<i>657</i>	<i>609</i>	<i>458</i>	<i>643</i>	<i>602</i>	568	<i>567</i>	<i>578</i>
Natural Gas	564	500	802	628	486	<i>584</i>	<i>809</i>	<i>609</i>	<i>530</i>	<i>484</i>	<i>783</i>	<i>642</i>	624	<i>623</i>	<i>610</i>
Petroleum (a)	25	21	24	23	23	<i>23</i>	<i>26</i>	<i>27</i>	<i>27</i>	<i>26</i>	<i>28</i>	<i>28</i>	23	<i>25</i>	<i>27</i>
Other Gases	5	5	6	6	6	<i>5</i>	<i>6</i>	<i>6</i>	<i>7</i>	<i>5</i>	<i>6</i>	<i>6</i>	5	<i>6</i>	<i>6</i>
Nuclear	160	164	170	150	176	<i>151</i>	<i>163</i>	<i>151</i>	<i>159</i>	<i>156</i>	<i>166</i>	<i>154</i>	161	<i>160</i>	<i>159</i>
Hydropower (c)	414	579	423	378	522	<i>536</i>	<i>362</i>	<i>327</i>	<i>392</i>	<i>642</i>	<i>438</i>	<i>357</i>	448	<i>436</i>	<i>457</i>
Other Renewables (d)	240	293	243	236	228	<i>308</i>	<i>285</i>	<i>230</i>	<i>245</i>	<i>332</i>	<i>309</i>	<i>252</i>	253	<i>263</i>	<i>284</i>
Other Nonrenewable Fuels (b)	5	5	5	4	4	<i>5</i>	<i>5</i>	<i>4</i>	<i>4</i>	<i>5</i>	<i>5</i>	<i>5</i>	5	<i>5</i>	<i>5</i>
Total Generation	2,001	2,063	2,304	1,982	1,953	<i>2,044</i>	<i>2,326</i>	<i>2,012</i>	<i>1,975</i>	<i>2,108</i>	<i>2,377</i>	<i>2,045</i>	2,088	<i>2,084</i>	<i>2,127</i>

(a) Residual fuel oil, distillate fuel oil, petroleum coke, and other petroleum liquids.

(b) Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, nonrenewable waste, and miscellaneous technologies.

(c) Conventional hydroelectric and pumped storage generation.

(d) Wind, biomass, geothermal, and solar generation.

Notes: Data reflect generation supplied by electricity-only and combined-heat-and-power (CHP) plants operated by electric utilities, independent power producers, and the commercial and industrial sectors. 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. Energy Information Administration *Electric Power Monthly* and *Electric Power Annual*.

Projections: EIA Regional Short-Term Energy Model.

Table 7e. U.S. Regional Fuel Consumption for Electricity Generation, All Sectors

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2015

	2014				2015				2016				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2014	2015	2016
Fuel Consumption for Electricity Generation, All Sectors															
United States															
Coal (thousand st/d)	2,579	2,161	2,522	2,105	2,190	<i>1,906</i>	<i>2,475</i>	<i>2,164</i>	<i>2,268</i>	<i>1,971</i>	<i>2,470</i>	<i>2,113</i>	2,341	<i>2,185</i>	<i>2,206</i>
Natural Gas (million cf/d)	20,666	22,042	28,356	22,049	23,991	<i>25,892</i>	<i>31,588</i>	<i>23,134</i>	<i>22,622</i>	<i>24,755</i>	<i>31,380</i>	<i>23,339</i>	23,296	<i>26,164</i>	<i>25,534</i>
Petroleum (thousand b/d)	262	111	115	103	216	<i>115</i>	<i>130</i>	<i>123</i>	<i>146</i>	<i>124</i>	<i>135</i>	<i>121</i>	147	<i>146</i>	<i>132</i>
Residual Fuel Oil	86	24	29	24	77	<i>25</i>	<i>29</i>	<i>30</i>	<i>34</i>	<i>30</i>	<i>33</i>	<i>29</i>	41	<i>40</i>	<i>32</i>
Distillate Fuel Oil	87	24	24	25	66	<i>28</i>	<i>29</i>	<i>29</i>	<i>37</i>	<i>27</i>	<i>29</i>	<i>29</i>	40	<i>38</i>	<i>31</i>
Petroleum Coke (a)	69	60	59	50	59	<i>58</i>	<i>66</i>	<i>58</i>	<i>67</i>	<i>63</i>	<i>67</i>	<i>58</i>	59	<i>60</i>	<i>64</i>
Other Petroleum Liquids (b)	20	3	3	4	13	<i>4</i>	<i>6</i>	<i>5</i>	<i>8</i>	<i>5</i>	<i>6</i>	<i>5</i>	7	<i>7</i>	<i>6</i>
Northeast Census Region															
Coal (thousand st/d)	161	113	102	96	132	<i>73</i>	<i>103</i>	<i>109</i>	<i>136</i>	<i>71</i>	<i>86</i>	<i>93</i>	118	<i>104</i>	<i>97</i>
Natural Gas (million cf/d)	3,191	3,701	4,921	3,729	3,614	<i>4,076</i>	<i>5,166</i>	<i>3,967</i>	<i>3,711</i>	<i>4,180</i>	<i>5,360</i>	<i>4,037</i>	3,890	<i>4,209</i>	<i>4,324</i>
Petroleum (thousand b/d)	92	4	6	5	76	<i>6</i>	<i>11</i>	<i>10</i>	<i>17</i>	<i>8</i>	<i>11</i>	<i>9</i>	26	<i>26</i>	<i>11</i>
South Census Region															
Coal (thousand st/d)	1,084	963	1,116	855	889	<i>813</i>	<i>1,006</i>	<i>826</i>	<i>893</i>	<i>845</i>	<i>1,034</i>	<i>823</i>	1,004	<i>883</i>	<i>899</i>
Natural Gas (million cf/d)	11,736	13,138	15,819	12,131	14,453	<i>15,563</i>	<i>18,036</i>	<i>13,062</i>	<i>13,008</i>	<i>15,020</i>	<i>17,689</i>	<i>12,893</i>	13,214	<i>15,282</i>	<i>14,656</i>
Petroleum (thousand b/d)	101	51	49	45	79	<i>52</i>	<i>55</i>	<i>49</i>	<i>64</i>	<i>54</i>	<i>58</i>	<i>47</i>	61	<i>59</i>	<i>56</i>
Midwest Census Region															
Coal (thousand st/d)	1,005	811	952	842	884	<i>777</i>	<i>987</i>	<i>853</i>	<i>893</i>	<i>798</i>	<i>986</i>	<i>854</i>	902	<i>875</i>	<i>883</i>
Natural Gas (million cf/d)	1,574	1,436	1,638	1,513	2,275	<i>1,842</i>	<i>2,301</i>	<i>1,608</i>	<i>1,973</i>	<i>1,860</i>	<i>2,407</i>	<i>1,641</i>	1,540	<i>2,005</i>	<i>1,970</i>
Petroleum (thousand b/d)	28	23	22	17	23	<i>20</i>	<i>22</i>	<i>21</i>	<i>22</i>	<i>20</i>	<i>22</i>	<i>21</i>	23	<i>21</i>	<i>21</i>
West Census Region															
Coal (thousand st/d)	329	274	351	313	286	<i>243</i>	<i>379</i>	<i>376</i>	<i>346</i>	<i>257</i>	<i>363</i>	<i>343</i>	317	<i>321</i>	<i>327</i>
Natural Gas (million cf/d)	4,165	3,767	5,979	4,675	3,649	<i>4,411</i>	<i>6,085</i>	<i>4,497</i>	<i>3,930</i>	<i>3,695</i>	<i>5,924</i>	<i>4,768</i>	4,651	<i>4,667</i>	<i>4,583</i>
Petroleum (thousand b/d)	41	33	38	36	38	<i>37</i>	<i>42</i>	<i>43</i>	<i>44</i>	<i>42</i>	<i>45</i>	<i>45</i>	37	<i>40</i>	<i>44</i>
End-of-period U.S. Fuel Inventories Held by Electric Power Sector															
Coal (million short tons)	118.3	132.9	123.8	151.4	155.6	<i>166.1</i>	<i>148.8</i>	<i>152.3</i>	<i>153.4</i>	<i>158.8</i>	<i>144.2</i>	<i>148.4</i>	151.4	<i>152.3</i>	<i>148.4</i>
Residual Fuel Oil (mmb)	10.5	10.6	10.4	12.7	10.2	<i>10.8</i>	<i>11.1</i>	<i>11.4</i>	<i>11.4</i>	<i>11.2</i>	<i>11.0</i>	<i>11.1</i>	12.7	<i>11.4</i>	<i>11.1</i>
Distillate Fuel Oil (mmb)	15.5	15.5	15.5	16.9	15.8	<i>15.9</i>	<i>15.8</i>	<i>16.1</i>	<i>16.1</i>	<i>15.9</i>	<i>15.8</i>	<i>16.0</i>	16.9	<i>16.1</i>	<i>16.0</i>
Petroleum Coke (mmb)	1.7	2.0	1.9	4.2	4.1	<i>4.5</i>	<i>4.5</i>	<i>4.4</i>	<i>4.4</i>	<i>4.4</i>	<i>4.3</i>	<i>4.3</i>	4.2	<i>4.4</i>	<i>4.3</i>

(a) Petroleum coke consumption converted from short tons to barrels by multiplying by five.

(b) Other petroleum liquids include jet fuel, kerosene, and waste oil.

Notes: Data reflect generation supplied by electricity-only and combined-heat-and-power (CHP) plants operated by electric utilities, independent power producers, and the commercial and industrial sectors. Data include fuel consumed only for generation of electricity. Values do not include consumption by CHP plants for useful thermal output.

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

Physical Units: st/d = short tons per day; b/d = barrels per day; cf/d = cubic feet per day; mmb = million barrels.

Historical data: Latest data available from U.S. Energy Information Administration *Electric Power Monthly* and *Electric Power Annual*.

Projections: EIA Regional Short-Term Energy Model.

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

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2015

	2014				2015				2016				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2014	2015	2016
Electric Power Sector															
Hydroelectric Power (a)	0.596	0.731	0.566	0.549	0.677	<i>0.703</i>	<i>0.518</i>	<i>0.496</i>	<i>0.585</i>	<i>0.807</i>	<i>0.597</i>	<i>0.533</i>	2.443	2.394	2.523
Wood Biomass (b)	0.063	0.056	0.064	0.063	0.063	<i>0.056</i>	<i>0.067</i>	<i>0.061</i>	<i>0.063</i>	<i>0.057</i>	<i>0.071</i>	<i>0.063</i>	0.247	0.246	0.254
Waste Biomass (c)	0.063	0.065	0.066	0.066	0.063	<i>0.065</i>	<i>0.070</i>	<i>0.068</i>	<i>0.066</i>	<i>0.068</i>	<i>0.071</i>	<i>0.069</i>	0.260	0.267	0.273
Wind	0.473	0.475	0.321	0.459	0.433	<i>0.493</i>	<i>0.380</i>	<i>0.488</i>	<i>0.525</i>	<i>0.564</i>	<i>0.417</i>	<i>0.535</i>	1.729	1.794	2.041
Geothermal	0.039	0.039	0.039	0.041	0.040	<i>0.039</i>	<i>0.039</i>	<i>0.039</i>	<i>0.039</i>	<i>0.038</i>	<i>0.039</i>	<i>0.039</i>	0.158	0.157	0.154
Solar	0.029	0.051	0.052	0.037	0.047	<i>0.077</i>	<i>0.074</i>	<i>0.043</i>	<i>0.044</i>	<i>0.089</i>	<i>0.098</i>	<i>0.063</i>	0.170	0.240	0.294
Subtotal	1.263	1.418	1.109	1.215	1.323	<i>1.432</i>	<i>1.148</i>	<i>1.195</i>	<i>1.323</i>	<i>1.623</i>	<i>1.291</i>	<i>1.302</i>	5.006	5.098	5.539
Industrial Sector															
Hydroelectric Power (a)	0.008	0.006	0.006	0.007	0.007	<i>0.006</i>	<i>0.007</i>	<i>0.007</i>	<i>0.007</i>	<i>0.006</i>	<i>0.007</i>	<i>0.007</i>	0.026	0.027	0.028
Wood Biomass (b)	0.318	0.327	0.335	0.336	0.321	<i>0.301</i>	<i>0.303</i>	<i>0.302</i>	<i>0.293</i>	<i>0.289</i>	<i>0.300</i>	<i>0.303</i>	1.317	1.227	1.185
Waste Biomass (c)	0.044	0.046	0.046	0.046	0.045	<i>0.046</i>	<i>0.048</i>	<i>0.047</i>	<i>0.046</i>	<i>0.046</i>	<i>0.048</i>	<i>0.048</i>	0.183	0.185	0.187
Geothermal	0.001	0.001	0.001	0.001	0.001	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>	<i>0.001</i>	0.004	0.004	0.004
Biofuel Losses and Co-products (f)	0.182	0.190	0.190	0.196	0.189	<i>0.192</i>	<i>0.188</i>	<i>0.190</i>	<i>0.187</i>	<i>0.190</i>	<i>0.194</i>	<i>0.192</i>	0.758	0.758	0.763
Subtotal	0.557	0.574	0.582	0.591	0.567	<i>0.551</i>	<i>0.550</i>	<i>0.552</i>	<i>0.538</i>	<i>0.536</i>	<i>0.555</i>	<i>0.555</i>	2.305	2.220	2.185
Commercial Sector															
Wood Biomass (b)	0.018	0.018	0.018	0.018	0.018	<i>0.018</i>	<i>0.019</i>	<i>0.019</i>	<i>0.018</i>	<i>0.019</i>	<i>0.019</i>	<i>0.019</i>	0.071	0.074	0.075
Waste Biomass (c)	0.012	0.011	0.011	0.012	0.012	<i>0.011</i>	<i>0.012</i>	<i>0.012</i>	<i>0.012</i>	<i>0.011</i>	<i>0.013</i>	<i>0.012</i>	0.046	0.048	0.048
Geothermal	0.005	0.005	0.005	0.005	0.005	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	<i>0.005</i>	0.020	0.020	0.020
Subtotal	0.036	0.036	0.036	0.036	0.037	<i>0.035</i>	<i>0.037</i>	<i>0.037</i>	<i>0.036</i>	<i>0.036</i>	<i>0.037</i>	<i>0.037</i>	0.144	0.146	0.146
Residential Sector															
Wood Biomass (b)	0.143	0.145	0.146	0.146	0.110	<i>0.112</i>	<i>0.113</i>	<i>0.113</i>	<i>0.103</i>	<i>0.104</i>	<i>0.105</i>	<i>0.105</i>	0.580	0.447	0.418
Geothermal	0.010	0.010	0.010	0.010	0.010	<i>0.010</i>	<i>0.010</i>	<i>0.010</i>	<i>0.011</i>	<i>0.011</i>	<i>0.011</i>	<i>0.011</i>	0.040	0.040	0.044
Solar (d)	0.062	0.063	0.063	0.063	0.069	<i>0.070</i>	<i>0.071</i>	<i>0.071</i>	<i>0.077</i>	<i>0.077</i>	<i>0.078</i>	<i>0.078</i>	0.252	0.281	0.311
Subtotal	0.215	0.217	0.220	0.220	0.189	<i>0.192</i>	<i>0.194</i>	<i>0.194</i>	<i>0.191</i>	<i>0.193</i>	<i>0.195</i>	<i>0.195</i>	0.871	0.768	0.773
Transportation Sector															
Ethanol (e)	0.256	0.276	0.277	0.281	0.266	<i>0.283</i>	<i>0.281</i>	<i>0.281</i>	<i>0.262</i>	<i>0.282</i>	<i>0.293</i>	<i>0.285</i>	1.089	1.111	1.122
Biodiesel (e)	0.040	0.048	0.055	0.053	0.034	<i>0.053</i>	<i>0.063</i>	<i>0.070</i>	<i>0.059</i>	<i>0.063</i>	<i>0.069</i>	<i>0.071</i>	0.196	0.219	0.261
Subtotal	0.296	0.324	0.332	0.334	0.299	<i>0.336</i>	<i>0.344</i>	<i>0.351</i>	<i>0.321</i>	<i>0.345</i>	<i>0.362</i>	<i>0.355</i>	1.285	1.330	1.384
All Sectors Total															
Hydroelectric Power (a)	0.604	0.737	0.572	0.555	0.685	<i>0.709</i>	<i>0.525</i>	<i>0.503</i>	<i>0.592</i>	<i>0.814</i>	<i>0.605</i>	<i>0.540</i>	2.469	2.422	2.551
Wood Biomass (b)	0.542	0.546	0.563	0.563	0.512	<i>0.486</i>	<i>0.501</i>	<i>0.495</i>	<i>0.478</i>	<i>0.469</i>	<i>0.495</i>	<i>0.491</i>	2.214	1.994	1.932
Waste Biomass (c)	0.119	0.121	0.124	0.124	0.120	<i>0.122</i>	<i>0.130</i>	<i>0.128</i>	<i>0.124</i>	<i>0.125</i>	<i>0.131</i>	<i>0.129</i>	0.488	0.499	0.509
Wind	0.473	0.475	0.321	0.459	0.433	<i>0.493</i>	<i>0.380</i>	<i>0.488</i>	<i>0.525</i>	<i>0.564</i>	<i>0.417</i>	<i>0.535</i>	1.729	1.794	2.041
Geothermal	0.055	0.055	0.055	0.057	0.056	<i>0.055</i>	<i>0.055</i>	<i>0.055</i>	<i>0.055</i>	<i>0.054</i>	<i>0.056</i>	<i>0.056</i>	0.222	0.221	0.222
Solar	0.092	0.116	0.117	0.102	0.117	<i>0.147</i>	<i>0.146</i>	<i>0.115</i>	<i>0.122</i>	<i>0.168</i>	<i>0.177</i>	<i>0.142</i>	0.427	0.524	0.609
Ethanol (e)	0.260	0.281	0.282	0.286	0.271	<i>0.287</i>	<i>0.286</i>	<i>0.286</i>	<i>0.267</i>	<i>0.287</i>	<i>0.299</i>	<i>0.290</i>	1.109	1.130	1.144
Biodiesel (e)	0.040	0.048	0.055	0.053	0.034	<i>0.053</i>	<i>0.063</i>	<i>0.070</i>	<i>0.059</i>	<i>0.063</i>	<i>0.069</i>	<i>0.071</i>	0.196	0.219	0.261
Biofuel Losses and Co-products (f)	0.182	0.190	0.190	0.196	0.189	<i>0.192</i>	<i>0.188</i>	<i>0.190</i>	<i>0.187</i>	<i>0.190</i>	<i>0.194</i>	<i>0.192</i>	0.758	0.758	0.763
Total Consumption	2.367	2.570	2.279	2.396	2.416	<i>2.545</i>	<i>2.273</i>	<i>2.328</i>	<i>2.409</i>	<i>2.733</i>	<i>2.441</i>	<i>2.445</i>	9.612	9.562	10.027

- = 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) Includes small-scale solar thermal and photovoltaic energy used in the commercial, industrial, and electric power sectors.

(e) 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 sector in

(f) Losses and co-products from the production of fuel ethanol and biodiesel

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: EIA Regional Short-Term Energy Model.

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

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2015

	2014				2015				2016				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2014	2015	2016
Macroeconomic															
Real Gross Domestic Product															
(billion chained 2009 dollars - SAAR)	15,832	16,010	16,206	16,295	16,264	<i>16,344</i>	<i>16,455</i>	<i>16,570</i>	<i>16,693</i>	<i>16,809</i>	<i>16,934</i>	<i>17,061</i>	16,086	<i>16,408</i>	<i>16,874</i>
Real Personal Consumption Expend.															
(billion chained 2009 dollars - SAAR)	10,844	10,913	11,000	11,120	11,170	<i>11,223</i>	<i>11,311</i>	<i>11,388</i>	<i>11,460</i>	<i>11,529</i>	<i>11,609</i>	<i>11,696</i>	10,969	<i>11,273</i>	<i>11,573</i>
Real Fixed Investment															
(billion chained 2009 dollars - SAAR)	2,536	2,595	2,643	2,673	2,664	<i>2,694</i>	<i>2,746</i>	<i>2,799</i>	<i>2,862</i>	<i>2,911</i>	<i>2,952</i>	<i>3,005</i>	2,612	<i>2,726</i>	<i>2,932</i>
Business Inventory Change															
(billion chained 2009 dollars - SAAR)	40	100	95	93	106	<i>70</i>	<i>46</i>	<i>45</i>	<i>41</i>	<i>56</i>	<i>63</i>	<i>72</i>	82	<i>67</i>	<i>58</i>
Real Government Expenditures															
(billion chained 2009 dollars - SAAR)	2,869	2,881	2,912	2,898	2,890	<i>2,909</i>	<i>2,924</i>	<i>2,929</i>	<i>2,931</i>	<i>2,932</i>	<i>2,939</i>	<i>2,934</i>	2,890	<i>2,913</i>	<i>2,934</i>
Real Exports of Goods & Services															
(billion chained 2009 dollars - SAAR)	2,027	2,081	2,104	2,127	2,086	<i>2,106</i>	<i>2,129</i>	<i>2,150</i>	<i>2,179</i>	<i>2,208</i>	<i>2,235</i>	<i>2,262</i>	2,085	<i>2,118</i>	<i>2,221</i>
Real Imports of Goods & Services															
(billion chained 2009 dollars - SAAR)	2,474	2,541	2,535	2,599	2,634	<i>2,649</i>	<i>2,687</i>	<i>2,728</i>	<i>2,766</i>	<i>2,812</i>	<i>2,850</i>	<i>2,893</i>	2,537	<i>2,674</i>	<i>2,830</i>
Real Disposable Personal Income															
(billion chained 2009 dollars - SAAR)	11,810	11,900	11,970	12,093	12,251	<i>12,320</i>	<i>12,399</i>	<i>12,464</i>	<i>12,548</i>	<i>12,615</i>	<i>12,712</i>	<i>12,813</i>	11,943	<i>12,358</i>	<i>12,672</i>
Non-Farm Employment															
(millions)	137.8	138.6	139.4	140.2	141.0	<i>141.6</i>	<i>142.1</i>	<i>142.6</i>	<i>143.1</i>	<i>143.6</i>	<i>144.1</i>	<i>144.5</i>	139.0	<i>141.8</i>	<i>143.8</i>
Civilian Unemployment Rate															
(percent)	6.6	6.2	6.1	5.7	5.6	<i>5.4</i>	<i>5.4</i>	<i>5.4</i>	<i>5.3</i>	<i>5.2</i>	<i>5.2</i>	<i>5.2</i>	6.2	<i>5.5</i>	<i>5.2</i>
Housing Starts															
(millions - SAAR)	0.93	0.98	1.03	1.06	0.98	<i>1.11</i>	<i>1.13</i>	<i>1.18</i>	<i>1.24</i>	<i>1.25</i>	<i>1.30</i>	<i>1.38</i>	1.00	<i>1.10</i>	<i>1.29</i>
Industrial Production Indices (Index, 2007=100)															
Total Industrial Production	102.2	103.7	104.7	105.9	105.8	<i>105.2</i>	<i>105.8</i>	<i>106.6</i>	<i>107.8</i>	<i>108.7</i>	<i>110.1</i>	<i>111.4</i>	104.1	<i>105.9</i>	<i>109.5</i>
Manufacturing	99.4	101.2	102.4	103.5	103.2	<i>103.4</i>	<i>104.0</i>	<i>104.9</i>	<i>106.2</i>	<i>107.2</i>	<i>108.7</i>	<i>110.1</i>	101.6	<i>103.9</i>	<i>108.0</i>
Food	106.1	106.5	105.6	107.7	108.8	<i>108.7</i>	<i>109.8</i>	<i>110.5</i>	<i>111.3</i>	<i>111.9</i>	<i>112.7</i>	<i>113.6</i>	106.5	<i>109.5</i>	<i>112.4</i>
Paper	82.4	83.3	82.6	83.1	82.2	<i>82.4</i>	<i>81.9</i>	<i>81.8</i>	<i>81.8</i>	<i>81.7</i>	<i>82.0</i>	<i>82.4</i>	82.9	<i>82.1</i>	<i>82.0</i>
Petroleum and Coal Products	97.7	98.2	98.9	98.7	99.4	<i>100.7</i>	<i>102.0</i>	<i>102.0</i>	<i>102.1</i>	<i>102.3</i>	<i>102.7</i>	<i>103.1</i>	98.4	<i>101.0</i>	<i>102.6</i>
Chemicals	87.7	88.4	90.1	91.3	92.0	<i>91.9</i>	<i>92.5</i>	<i>92.8</i>	<i>93.4</i>	<i>94.0</i>	<i>95.0</i>	<i>96.1</i>	89.4	<i>92.3</i>	<i>94.6</i>
Nonmetallic Mineral Products	75.5	77.4	79.9	80.2	80.5	<i>80.8</i>	<i>82.5</i>	<i>83.5</i>	<i>84.6</i>	<i>85.7</i>	<i>87.0</i>	<i>88.3</i>	78.3	<i>81.8</i>	<i>86.4</i>
Primary Metals	101.9	106.2	108.2	105.5	99.8	<i>98.1</i>	<i>96.4</i>	<i>95.8</i>	<i>96.2</i>	<i>95.8</i>	<i>97.5</i>	<i>99.7</i>	105.5	<i>97.5</i>	<i>97.3</i>
Coal-weighted Manufacturing (a)	91.8	93.7	94.6	94.4	93.0	<i>92.8</i>	<i>92.9</i>	<i>92.9</i>	<i>93.5</i>	<i>93.7</i>	<i>94.9</i>	<i>96.1</i>	93.6	<i>92.9</i>	<i>94.6</i>
Distillate-weighted Manufacturing (a)	92.3	93.9	95.0	95.6	95.0	<i>95.1</i>	<i>95.9</i>	<i>96.4</i>	<i>97.2</i>	<i>97.8</i>	<i>98.8</i>	<i>99.9</i>	94.2	<i>95.6</i>	<i>98.4</i>
Electricity-weighted Manufacturing (a)	97.1	99.1	100.1	100.6	99.6	<i>99.6</i>	<i>99.7</i>	<i>100.0</i>	<i>100.9</i>	<i>101.3</i>	<i>102.6</i>	<i>104.1</i>	99.2	<i>99.7</i>	<i>102.2</i>
Natural Gas-weighted Manufacturing (a) ...	93.6	94.6	95.6	96.2	95.4	<i>95.7</i>	<i>96.1</i>	<i>96.2</i>	<i>96.8</i>	<i>97.3</i>	<i>98.6</i>	<i>100.0</i>	95.0	<i>95.9</i>	<i>98.2</i>
Price Indexes															
Consumer Price Index (all urban consumers)															
(index, 1982=1984=1.00)	2.35	2.37	2.38	2.37	2.35	<i>2.37</i>	<i>2.38</i>	<i>2.39</i>	<i>2.40</i>	<i>2.42</i>	<i>2.43</i>	<i>2.44</i>	2.37	<i>2.37</i>	<i>2.42</i>
Producer Price Index: All Commodities															
(index, 1982=1.00)	2.06	2.07	2.06	2.02	1.92	<i>1.92</i>	<i>1.93</i>	<i>1.94</i>	<i>1.96</i>	<i>1.97</i>	<i>1.98</i>	<i>1.99</i>	2.05	<i>1.93</i>	<i>1.97</i>
Producer Price Index: Petroleum															
(index, 1982=1.00)	2.88	2.99	2.90	2.35	1.72	<i>1.98</i>	<i>2.02</i>	<i>1.88</i>	<i>1.93</i>	<i>2.09</i>	<i>2.13</i>	<i>1.98</i>	2.78	<i>1.90</i>	<i>2.03</i>
GDP Implicit Price Deflator															
(index, 2009=100)	107.7	108.3	108.6	108.7	108.7	<i>109.3</i>	<i>109.8</i>	<i>110.3</i>	<i>111.0</i>	<i>111.6</i>	<i>112.1</i>	<i>112.7</i>	108.3	<i>109.5</i>	<i>111.9</i>
Miscellaneous															
Vehicle Miles Traveled (b)															
(million miles/day)	7,702	8,684	8,604	8,292	8,001	<i>8,847</i>	<i>8,817</i>	<i>8,470</i>	<i>8,118</i>	<i>8,967</i>	<i>8,874</i>	<i>8,555</i>	8,323	<i>8,536</i>	<i>8,629</i>
Air Travel Capacity															
(Available ton-miles/day, thousands)	503	548	561	534	514	<i>545</i>	<i>560</i>	<i>540</i>	<i>518</i>	<i>550</i>	<i>565</i>	<i>545</i>	537	<i>540</i>	<i>545</i>
Aircraft Utilization															
(Revenue ton-miles/day, thousands)	310	347	353	332	321	<i>345</i>	<i>353</i>	<i>336</i>	<i>326</i>	<i>351</i>	<i>358</i>	<i>341</i>	336	<i>339</i>	<i>344</i>
Airline Ticket Price Index															
(index, 1982=1984=100)	297.3	334.3	301.0	298.2	286.4	<i>299.3</i>	<i>282.6</i>	<i>301.7</i>	<i>312.0</i>	<i>323.9</i>	<i>300.0</i>	<i>316.8</i>	307.7	<i>292.5</i>	<i>313.2</i>
Raw Steel Production															
(million short tons per day)	0.262	0.263	0.271	0.262	0.247	<i>0.243</i>	<i>0.232</i>	<i>0.213</i>	<i>0.216</i>	<i>0.219</i>	<i>0.199</i>	<i>0.187</i>	0.264	<i>0.233</i>	<i>0.205</i>
Carbon Dioxide (CO₂) Emissions (million metric tons)															
Petroleum	547	556	568	577	562	<i>568</i>	<i>576</i>	<i>576</i>	<i>563</i>	<i>572</i>	<i>578</i>	<i>580</i>	2,249	<i>2,282</i>	<i>2,292</i>
Natural Gas	461	298	305	377	471	<i>313</i>	<i>324</i>	<i>393</i>	<i>465</i>	<i>315</i>	<i>326</i>	<i>398</i>	1,441	<i>1,502</i>	<i>1,504</i>
Coal	463	397	461	391	397	<i>357</i>	<i>454</i>	<i>401</i>	<i>413</i>	<i>361</i>	<i>451</i>	<i>390</i>	1,713	<i>1,608</i>	<i>1,615</i>
Total Fossil Fuels	1,472	1,251	1,334	1,345	1,429	<i>1,238</i>	<i>1,353</i>	<i>1,371</i>	<i>1,441</i>	<i>1,248</i>	<i>1,354</i>	<i>1,369</i>	5,403	<i>5,391</i>	<i>5,411</i>

- = no data available

SAAR = Seasonally-adjusted annual rate

 (a) Fuel share weights of individual sector indices based on EIA *Manufacturing Energy Consumption Survey*.

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

Table 9b. U.S. Regional Macroeconomic Data

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2015

	2014				2015				2016				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2014	2015	2016
Real Gross State Product (Billion \$2009)															
New England	856	863	868	874	872	877	882	887	893	899	905	911	865	880	902
Middle Atlantic	2,395	2,412	2,447	2,459	2,452	2,463	2,481	2,497	2,514	2,528	2,544	2,560	2,428	2,473	2,537
E. N. Central	2,193	2,214	2,230	2,242	2,237	2,246	2,260	2,274	2,288	2,300	2,315	2,329	2,220	2,254	2,308
W. N. Central	1,020	1,031	1,043	1,047	1,044	1,049	1,056	1,063	1,070	1,077	1,084	1,092	1,035	1,053	1,081
S. Atlantic	2,796	2,832	2,858	2,872	2,871	2,890	2,913	2,935	2,960	2,982	3,006	3,031	2,839	2,902	2,995
E. S. Central	726	735	738	741	740	743	748	753	758	763	768	773	735	746	766
W. S. Central	1,945	1,976	2,002	2,016	2,010	2,013	2,022	2,037	2,053	2,070	2,086	2,104	1,985	2,020	2,078
Mountain	1,005	1,016	1,029	1,038	1,039	1,044	1,052	1,059	1,068	1,077	1,087	1,096	1,022	1,049	1,082
Pacific	2,807	2,845	2,903	2,917	2,911	2,928	2,951	2,973	2,998	3,021	3,046	3,071	2,868	2,941	3,034
Industrial Output, Manufacturing (Index, Year 2007=100)															
New England	96.1	97.3	98.0	98.7	98.1	98.1	98.5	99.2	100.4	101.2	102.6	103.8	97.5	98.5	102.0
Middle Atlantic	94.4	95.7	96.4	97.2	96.7	97.1	97.6	98.3	99.4	100.1	101.4	102.6	95.9	97.4	100.9
E. N. Central	101.5	103.5	104.7	106.1	106.3	106.6	107.5	108.4	109.6	110.4	111.9	113.2	104.0	107.2	111.3
W. N. Central	102.6	104.5	105.6	106.9	106.4	106.7	107.4	108.4	109.9	110.9	112.5	113.9	104.9	107.2	111.8
S. Atlantic	95.0	96.9	98.3	99.4	99.2	99.7	100.6	101.4	102.8	103.6	105.0	106.2	97.4	100.2	104.4
E. S. Central	97.6	99.3	101.0	102.1	101.9	102.4	103.3	104.2	105.5	106.3	107.7	108.9	100.0	103.0	107.1
W. S. Central	104.1	106.2	107.6	108.9	108.0	107.3	107.7	108.4	109.7	110.5	112.1	113.5	106.7	107.9	111.5
Mountain	101.5	103.3	104.5	105.5	105.5	106.2	107.0	108.1	109.9	111.2	113.2	114.8	103.7	106.7	112.3
Pacific	100.7	102.5	103.5	104.4	104.1	104.4	104.8	105.6	107.0	108.0	109.7	111.2	102.8	104.7	109.0
Real Personal Income (Billion \$2009)															
New England	760	761	766	775	787	792	797	801	806	811	815	821	766	794	813
Middle Atlantic	2,035	2,039	2,055	2,077	2,108	2,115	2,131	2,141	2,155	2,165	2,178	2,192	2,052	2,124	2,173
E. N. Central	1,855	1,864	1,871	1,894	1,923	1,933	1,945	1,953	1,966	1,976	1,987	1,999	1,871	1,939	1,982
W. N. Central	872	881	885	895	907	912	919	924	930	934	940	947	883	916	938
S. Atlantic	2,475	2,494	2,509	2,540	2,579	2,601	2,620	2,637	2,659	2,679	2,699	2,721	2,505	2,609	2,690
E. S. Central	653	658	661	669	678	682	686	690	695	699	703	708	660	684	701
W. S. Central	1,542	1,556	1,570	1,594	1,614	1,620	1,630	1,639	1,652	1,665	1,679	1,694	1,565	1,626	1,672
Mountain	869	874	880	892	905	912	919	925	933	940	948	957	879	915	944
Pacific	2,327	2,345	2,373	2,401	2,444	2,461	2,481	2,498	2,517	2,534	2,553	2,574	2,361	2,471	2,544
Households (Thousands)															
New England	5,764	5,765	5,762	5,767	5,771	5,771	5,777	5,782	5,785	5,789	5,794	5,799	5,767	5,782	5,799
Middle Atlantic	15,836	15,838	15,829	15,843	15,849	15,849	15,860	15,870	15,874	15,885	15,897	15,908	15,843	15,870	15,908
E. N. Central	18,576	18,587	18,582	18,596	18,598	18,595	18,607	18,619	18,629	18,643	18,657	18,672	18,596	18,619	18,672
W. N. Central	8,410	8,423	8,429	8,447	8,460	8,469	8,484	8,498	8,510	8,525	8,540	8,557	8,447	8,498	8,557
S. Atlantic	24,217	24,276	24,320	24,398	24,468	24,527	24,605	24,683	24,756	24,837	24,918	25,000	24,398	24,683	25,000
E. S. Central	7,450	7,453	7,452	7,461	7,466	7,468	7,476	7,485	7,494	7,506	7,518	7,530	7,461	7,485	7,530
W. S. Central	14,103	14,148	14,182	14,232	14,274	14,311	14,356	14,401	14,441	14,487	14,533	14,579	14,232	14,401	14,579
Mountain	8,604	8,625	8,642	8,672	8,698	8,721	8,751	8,780	8,808	8,841	8,875	8,909	8,672	8,780	8,909
Pacific	18,186	18,232	18,267	18,323	18,371	18,411	18,460	18,505	18,552	18,603	18,652	18,702	18,323	18,505	18,702
Total Non-farm Employment (Millions)															
New England	7.1	7.1	7.1	7.1	7.2	7.2	7.2	7.2	7.2	7.3	7.3	7.3	7.1	7.2	7.3
Middle Atlantic	18.7	18.8	18.8	18.9	18.9	19.0	19.1	19.1	19.1	19.2	19.2	19.3	18.8	19.0	19.2
E. N. Central	21.0	21.1	21.2	21.3	21.4	21.5	21.5	21.6	21.6	21.7	21.7	21.8	21.1	21.5	21.7
W. N. Central	10.3	10.3	10.4	10.4	10.4	10.5	10.5	10.5	10.6	10.6	10.6	10.7	10.3	10.5	10.6
S. Atlantic	26.1	26.2	26.4	26.6	26.7	26.9	27.0	27.2	27.3	27.4	27.5	27.6	26.3	27.0	27.5
E. S. Central	7.6	7.7	7.7	7.8	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.7	7.8	7.9
W. S. Central	16.1	16.2	16.4	16.5	16.6	16.6	16.7	16.7	16.8	16.8	16.9	17.0	16.3	16.6	16.9
Mountain	9.7	9.7	9.8	9.9	9.9	10.0	10.1	10.1	10.1	10.2	10.2	10.3	9.8	10.0	10.2
Pacific	21.1	21.2	21.4	21.6	21.8	21.9	22.0	22.1	22.1	22.2	22.3	22.4	21.3	21.9	22.3

- = 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 2015

	2014				2015				2016				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2014	2015	2016
Heating Degree Days															
New England	3,561	883	147	2,084	3,852	<i>821</i>	<i>143</i>	<i>2,221</i>	<i>3,197</i>	<i>863</i>	<i>134</i>	<i>2,221</i>	6,675	<i>7,036</i>	<i>6,416</i>
Middle Atlantic	3,437	701	100	1,964	3,583	<i>620</i>	<i>99</i>	<i>2,018</i>	<i>2,932</i>	<i>677</i>	<i>86</i>	<i>2,018</i>	6,202	<i>6,320</i>	<i>5,713</i>
E. N. Central	3,935	727	168	2,365	3,694	<i>661</i>	<i>132</i>	<i>2,253</i>	<i>3,126</i>	<i>728</i>	<i>127</i>	<i>2,253</i>	7,194	<i>6,739</i>	<i>6,234</i>
W. N. Central	3,861	755	178	2,511	3,373	<i>642</i>	<i>158</i>	<i>2,432</i>	<i>3,192</i>	<i>686</i>	<i>154</i>	<i>2,432</i>	7,305	<i>6,606</i>	<i>6,464</i>
South Atlantic	1,712	196	14	1,040	1,674	<i>158</i>	<i>17</i>	<i>1,010</i>	<i>1,493</i>	<i>211</i>	<i>15</i>	<i>1,009</i>	2,962	<i>2,859</i>	<i>2,728</i>
E. S. Central	2,270	229	18	1,412	2,147	<i>188</i>	<i>23</i>	<i>1,342</i>	<i>1,896</i>	<i>268</i>	<i>22</i>	<i>1,343</i>	3,929	<i>3,700</i>	<i>3,529</i>
W. S. Central	1,480	91	4	848	1,399	<i>70</i>	<i>5</i>	<i>877</i>	<i>1,304</i>	<i>101</i>	<i>4</i>	<i>876</i>	2,423	<i>2,352</i>	<i>2,285</i>
Mountain	2,124	713	152	1,764	1,902	<i>681</i>	<i>144</i>	<i>1,860</i>	<i>2,204</i>	<i>668</i>	<i>141</i>	<i>1,859</i>	4,753	<i>4,587</i>	<i>4,873</i>
Pacific	1,254	467	57	988	1,073	<i>517</i>	<i>69</i>	<i>1,063</i>	<i>1,312</i>	<i>503</i>	<i>88</i>	<i>1,063</i>	2,765	<i>2,722</i>	<i>2,967</i>
U.S. Average	2,450	479	81	1,541	2,341	<i>441</i>	<i>76</i>	<i>1,544</i>	<i>2,128</i>	<i>478</i>	<i>75</i>	<i>1,542</i>	4,551	<i>4,402</i>	<i>4,223</i>
Heating Degree Days, Prior 10-year Average															
New England	3,152	836	134	2,167	3,166	<i>838</i>	<i>134</i>	<i>2,147</i>	<i>3,212</i>	<i>824</i>	<i>141</i>	<i>2,148</i>	6,289	<i>6,285</i>	<i>6,325</i>
Middle Atlantic	2,905	660	88	1,983	2,935	<i>666</i>	<i>90</i>	<i>1,976</i>	<i>2,983</i>	<i>652</i>	<i>96</i>	<i>1,974</i>	5,636	<i>5,667</i>	<i>5,704</i>
E. N. Central	3,117	690	120	2,243	3,192	<i>694</i>	<i>123</i>	<i>2,262</i>	<i>3,247</i>	<i>689</i>	<i>131</i>	<i>2,256</i>	6,170	<i>6,272</i>	<i>6,323</i>
W. N. Central	3,209	686	149	2,404	3,272	<i>691</i>	<i>150</i>	<i>2,433</i>	<i>3,298</i>	<i>692</i>	<i>157</i>	<i>2,439</i>	6,449	<i>6,546</i>	<i>6,585</i>
South Atlantic	1,465	194	14	1,006	1,481	<i>196</i>	<i>14</i>	<i>1,013</i>	<i>1,502</i>	<i>185</i>	<i>15</i>	<i>1,010</i>	2,679	<i>2,704</i>	<i>2,712</i>
E. S. Central	1,810	236	19	1,336	1,853	<i>236</i>	<i>19</i>	<i>1,358</i>	<i>1,899</i>	<i>225</i>	<i>20</i>	<i>1,354</i>	3,402	<i>3,466</i>	<i>3,498</i>
W. S. Central	1,157	85	5	827	1,188	<i>86</i>	<i>5</i>	<i>834</i>	<i>1,221</i>	<i>83</i>	<i>5</i>	<i>841</i>	2,075	<i>2,113</i>	<i>2,150</i>
Mountain	2,267	728	156	1,887	2,258	<i>730</i>	<i>150</i>	<i>1,873</i>	<i>2,231</i>	<i>722</i>	<i>149</i>	<i>1,879</i>	5,038	<i>5,012</i>	<i>4,981</i>
Pacific	1,554	625	96	1,236	1,533	<i>621</i>	<i>92</i>	<i>1,205</i>	<i>1,493</i>	<i>608</i>	<i>87</i>	<i>1,198</i>	3,511	<i>3,452</i>	<i>3,387</i>
U.S. Average	2,161	492	77	1,569	2,182	<i>493</i>	<i>77</i>	<i>1,567</i>	<i>2,199</i>	<i>483</i>	<i>79</i>	<i>1,564</i>	4,298	<i>4,319</i>	<i>4,325</i>
Cooling Degree Days															
New England	0	76	342	0	0	<i>123</i>	<i>400</i>	<i>0</i>	<i>0</i>	<i>89</i>	<i>415</i>	<i>0</i>	418	<i>523</i>	<i>504</i>
Middle Atlantic	0	157	434	6	0	<i>227</i>	<i>542</i>	<i>5</i>	<i>0</i>	<i>168</i>	<i>562</i>	<i>5</i>	596	<i>774</i>	<i>736</i>
E. N. Central	0	231	377	3	0	<i>241</i>	<i>535</i>	<i>7</i>	<i>0</i>	<i>216</i>	<i>545</i>	<i>7</i>	610	<i>782</i>	<i>769</i>
W. N. Central	0	262	538	12	3	<i>294</i>	<i>661</i>	<i>10</i>	<i>3</i>	<i>273</i>	<i>682</i>	<i>10</i>	812	<i>968</i>	<i>968</i>
South Atlantic	107	643	1,061	194	137	<i>783</i>	<i>1,136</i>	<i>225</i>	<i>111</i>	<i>621</i>	<i>1,139</i>	<i>225</i>	2,005	<i>2,280</i>	<i>2,095</i>
E. S. Central	6	504	922	65	23	<i>595</i>	<i>1,032</i>	<i>64</i>	<i>25</i>	<i>494</i>	<i>1,036</i>	<i>64</i>	1,497	<i>1,715</i>	<i>1,620</i>
W. S. Central	34	781	1,442	220	51	<i>871</i>	<i>1,455</i>	<i>183</i>	<i>66</i>	<i>814</i>	<i>1,488</i>	<i>183</i>	2,477	<i>2,560</i>	<i>2,552</i>
Mountain	31	438	868	94	46	<i>440</i>	<i>948</i>	<i>79</i>	<i>19</i>	<i>440</i>	<i>957</i>	<i>79</i>	1,432	<i>1,512</i>	<i>1,495</i>
Pacific	40	227	694	113	55	<i>247</i>	<i>611</i>	<i>76</i>	<i>31</i>	<i>199</i>	<i>576</i>	<i>76</i>	1,074	<i>989</i>	<i>882</i>
U.S. Average	34	394	776	96	47	<i>456</i>	<i>840</i>	<i>91</i>	<i>38</i>	<i>391</i>	<i>847</i>	<i>91</i>	1,300	<i>1,434</i>	<i>1,367</i>
Cooling Degree Days, Prior 10-year Average															
New England	0	83	417	1	0	<i>85</i>	<i>419</i>	<i>1</i>	<i>0</i>	<i>86</i>	<i>411</i>	<i>1</i>	500	<i>505</i>	<i>498</i>
Middle Atlantic	0	167	558	5	0	<i>168</i>	<i>557</i>	<i>5</i>	<i>0</i>	<i>172</i>	<i>541</i>	<i>6</i>	730	<i>731</i>	<i>719</i>
E. N. Central	3	230	546	6	3	<i>234</i>	<i>545</i>	<i>6</i>	<i>3</i>	<i>231</i>	<i>532</i>	<i>6</i>	785	<i>787</i>	<i>771</i>
W. N. Central	7	277	678	9	7	<i>282</i>	<i>683</i>	<i>9</i>	<i>7</i>	<i>282</i>	<i>674</i>	<i>9</i>	972	<i>981</i>	<i>972</i>
South Atlantic	110	636	1,154	213	110	<i>635</i>	<i>1,155</i>	<i>210</i>	<i>113</i>	<i>661</i>	<i>1,142</i>	<i>210</i>	2,112	<i>2,109</i>	<i>2,127</i>
E. S. Central	35	528	1,045	57	33	<i>526</i>	<i>1,053</i>	<i>52</i>	<i>32</i>	<i>543</i>	<i>1,039</i>	<i>53</i>	1,666	<i>1,664</i>	<i>1,668</i>
W. S. Central	102	882	1,506	190	94	<i>883</i>	<i>1,519</i>	<i>184</i>	<i>90</i>	<i>892</i>	<i>1,506</i>	<i>183</i>	2,680	<i>2,680</i>	<i>2,671</i>
Mountain	18	420	922	70	17	<i>424</i>	<i>929</i>	<i>75</i>	<i>21</i>	<i>430</i>	<i>933</i>	<i>75</i>	1,431	<i>1,445</i>	<i>1,459</i>
Pacific	26	166	589	58	26	<i>170</i>	<i>602</i>	<i>65</i>	<i>29</i>	<i>182</i>	<i>605</i>	<i>67</i>	839	<i>863</i>	<i>884</i>
U.S. Average	41	393	843	83	40	<i>396</i>	<i>849</i>	<i>83</i>	<i>42</i>	<i>406</i>	<i>841</i>	<i>84</i>	1,361	<i>1,369</i>	<i>1,374</i>

- = no data available

Notes: Regional degree days for each period are calculated by EIA as contemporaneous period population-weighted averages of state degree day data published by the National Oceanic and Atmospheric Administration (NOAA).

See *Change in Regional and U.S. Degree-Day Calculations* (http://www.eia.gov/forecasts/steo/special/pdf/2012_sp_04.pdf) for more information.

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.gov/tools/glossary/>) 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).

Projections: Based on forecasts by the NOAA Climate Prediction Center (<http://www.cpc.ncep.noaa.gov/pacdir/DDdir/NHOME3.shtml>).