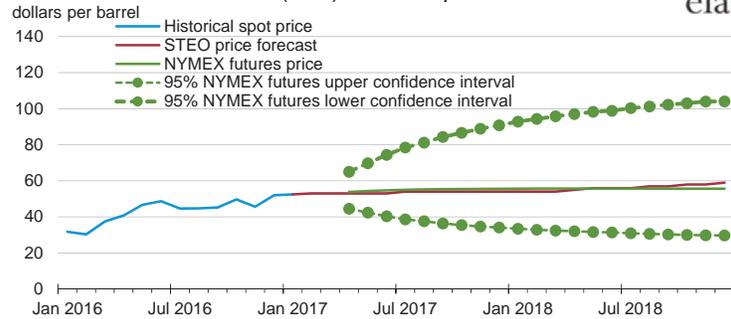




# Short-Term Energy Outlook

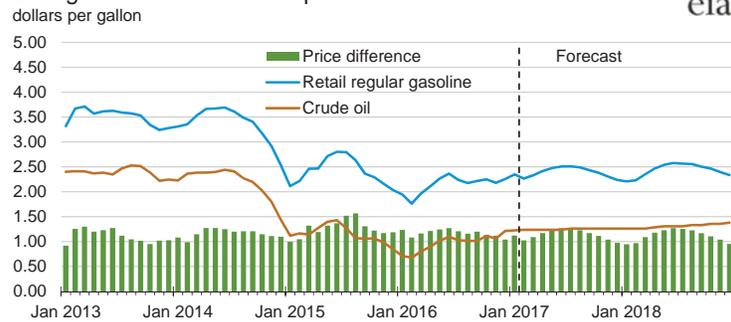
## Chart Gallery for February 2017

West Texas Intermediate (WTI) crude oil price



Note: Confidence interval derived from options market information for the 5 trading days ending Feb 2, 2017. Intervals not calculated for months with sparse trading in near-the-money options contracts.  
Source: Short-Term Energy Outlook, February 2017.

U.S. gasoline and crude oil prices

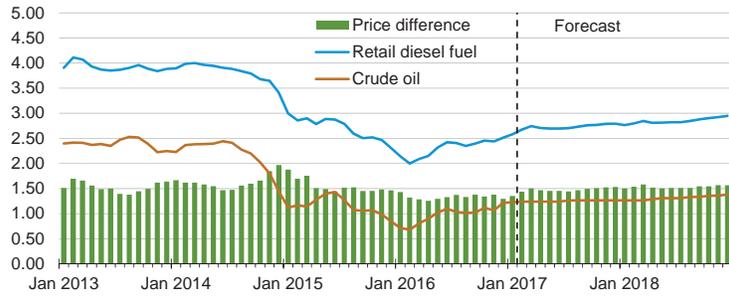


Crude oil price is composite refiner acquisition cost. Retail prices include state and federal taxes.

Source: Short-Term Energy Outlook, February 2017.

### U.S. diesel fuel and crude oil prices

dollars per gallon

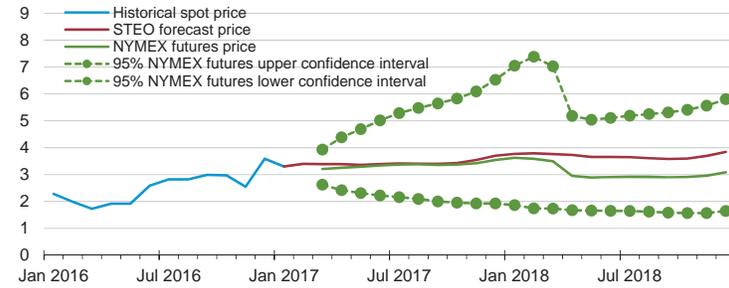


Crude oil price is composite refiner acquisition cost. Retail prices include state and federal taxes.

Source: Short-Term Energy Outlook, February 2017.

### Henry Hub natural gas price

dollars per million Btu



Note: Confidence interval derived from options market information for the 5 trading days ending Feb 2, 2017. Intervals not calculated for months with sparse trading in near-the-money options contracts.

Source: Short-Term Energy Outlook, February 2017.

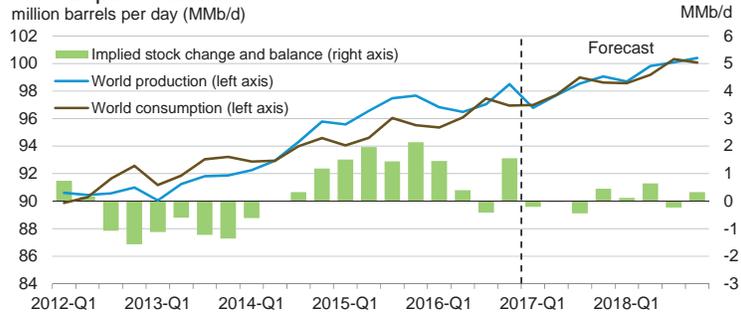
### U.S. natural gas prices

dollars per thousand cubic feet



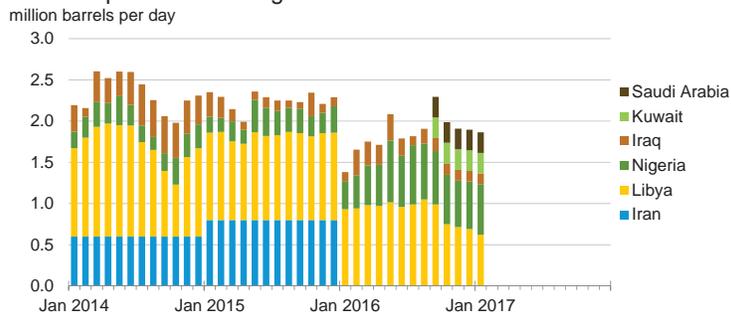
Source: Short-Term Energy Outlook, February 2017.

### World liquid fuels production and consumption balance



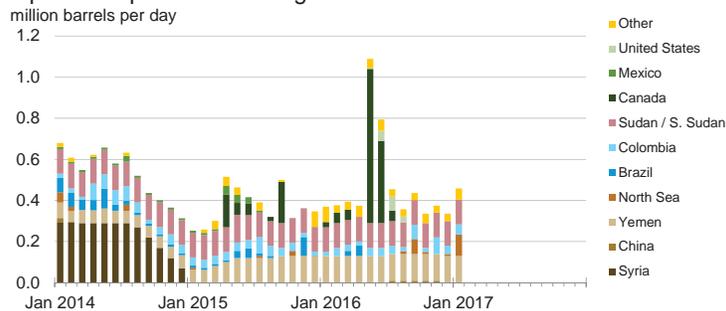
Source: Short-Term Energy Outlook, February 2017.

### Estimated historical unplanned OPEC crude oil production outages



Source: Short-Term Energy Outlook, February 2017.

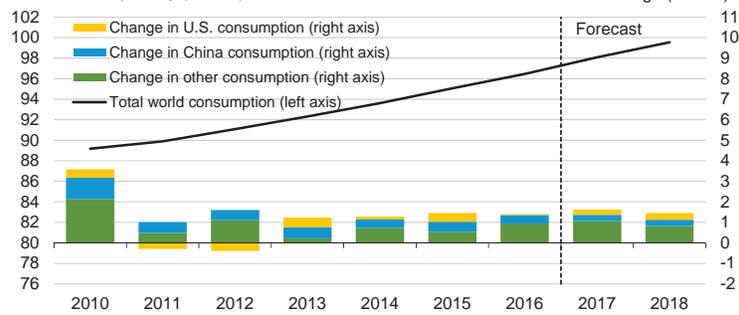
### Estimated historical unplanned non-OPEC liquid fuels production outages



Source: Short-Term Energy Outlook, February 2017.

### World liquid fuels consumption

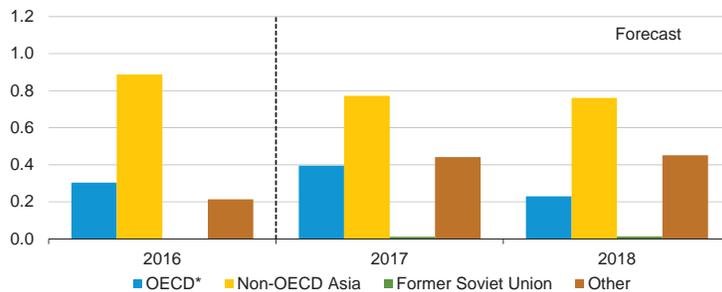
million barrels per day (MMb/d)



Source: Short-Term Energy Outlook, February 2017.

### World liquid fuels consumption growth

million barrels per day

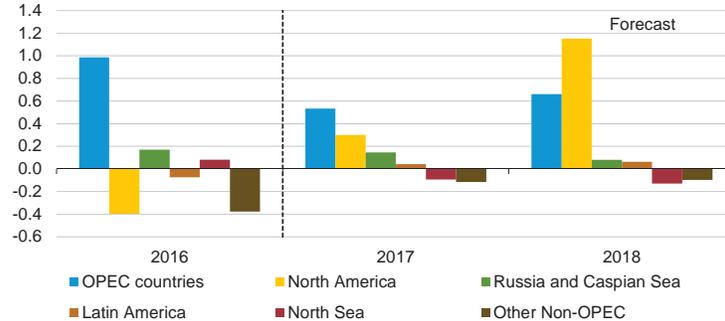


\* Countries belonging to the Organization for Economic Cooperation and Development

Source: Short-Term Energy Outlook, February 2017.

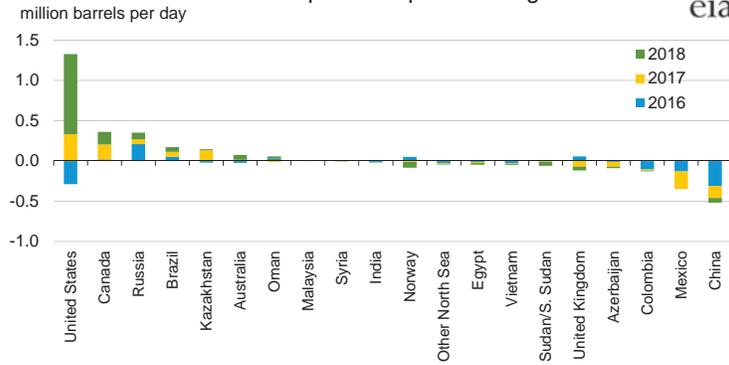
### World crude oil and liquid fuels production growth

million barrels per day



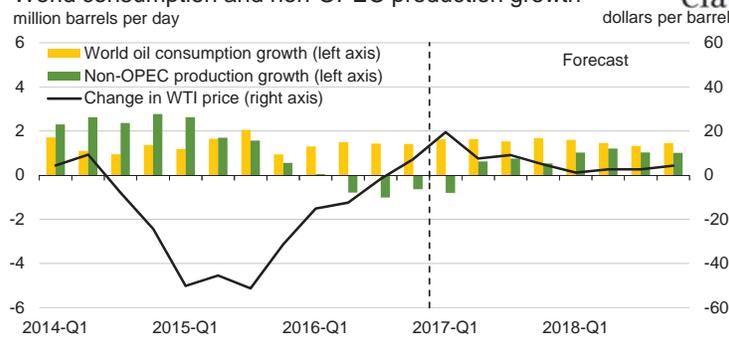
Source: Short-Term Energy Outlook, February 2017.

### Non-OPEC crude oil and liquid fuels production growth



Source: Short-Term Energy Outlook, February 2017.

### World consumption and non-OPEC production growth



Source: Short-Term Energy Outlook, February 2017.

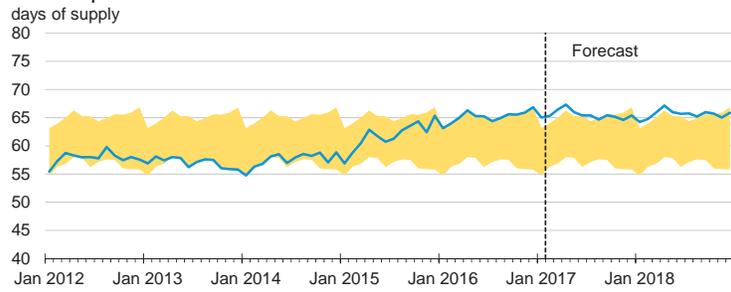
### OPEC surplus crude oil production capacity



Note: Shaded area represents 2006-2016 average (2.3 million barrels per day).

Source: Short-Term Energy Outlook, February 2017.

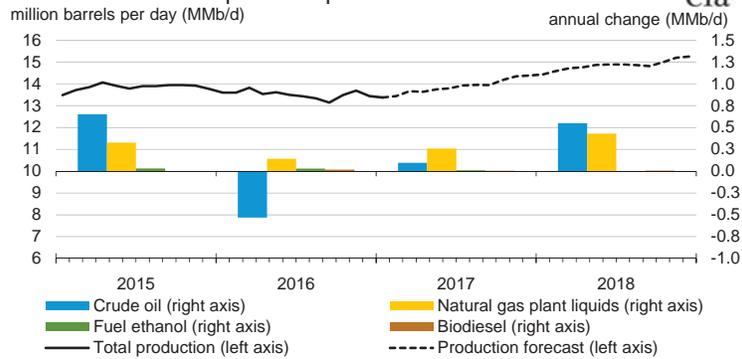
### OECD commercial stocks of crude oil and other liquids



Note: Colored band around days of supply of crude oil and other liquids stocks represents the range between the minimum and maximum from Jan. 2012 - Dec. 2016.

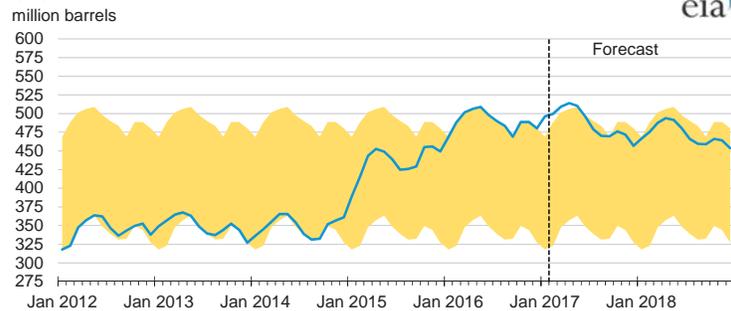
Source: Short-Term Energy Outlook, February 2017.

### U.S. crude oil and liquid fuels production



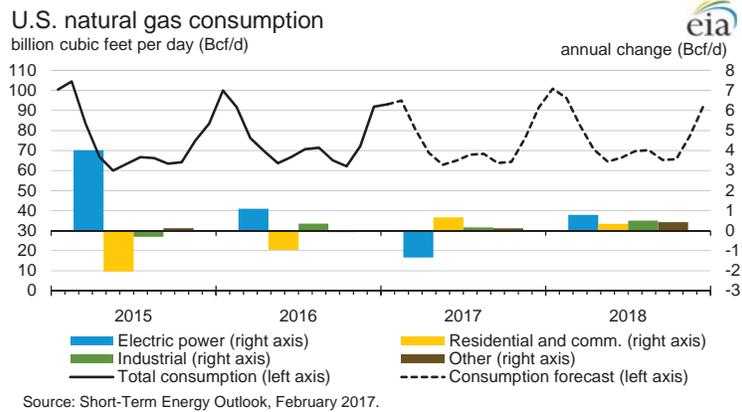
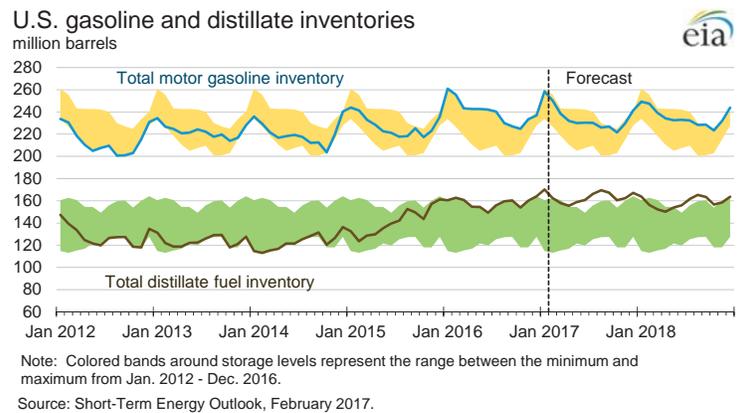
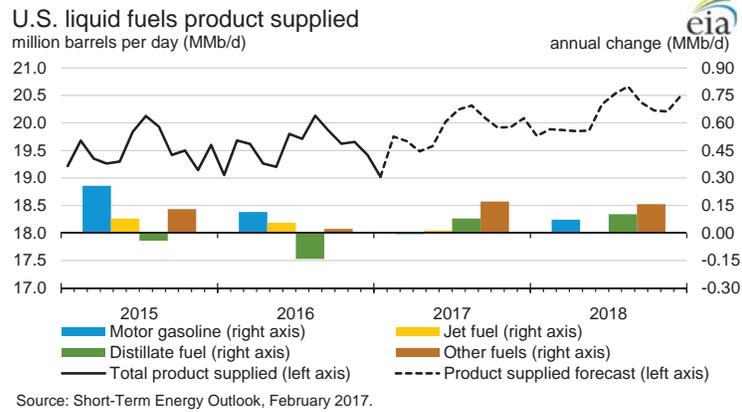
Source: Short-Term Energy Outlook, February 2017.

### U.S. commercial crude oil stocks

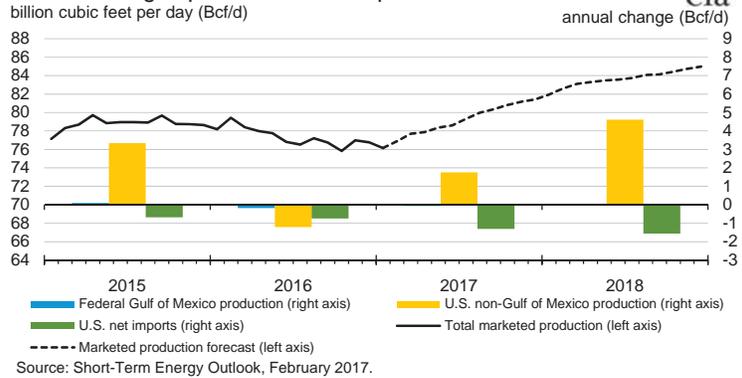


Note: Colored band around storage levels represents the range between the minimum and maximum from Jan. 2012 - Dec. 2016.

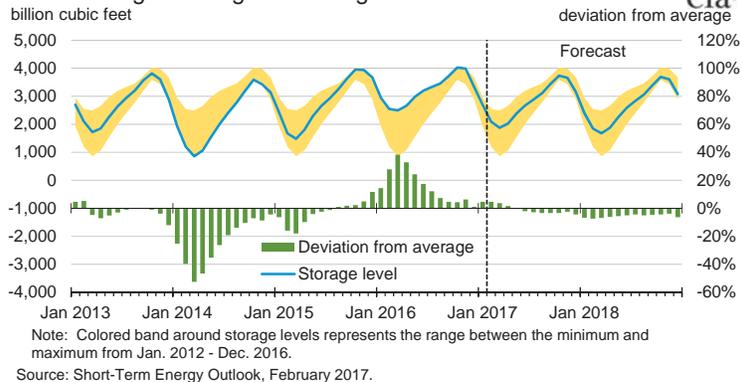
Source: Short-Term Energy Outlook, February 2017.



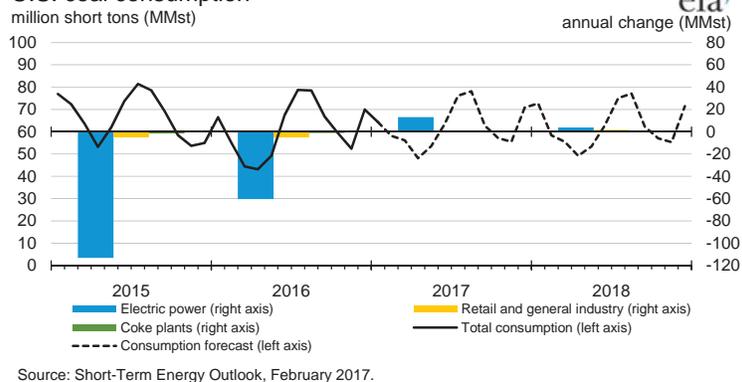
### U.S. natural gas production and imports

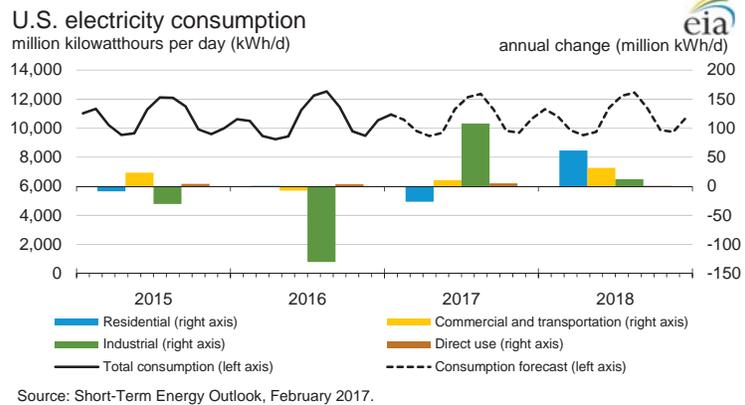
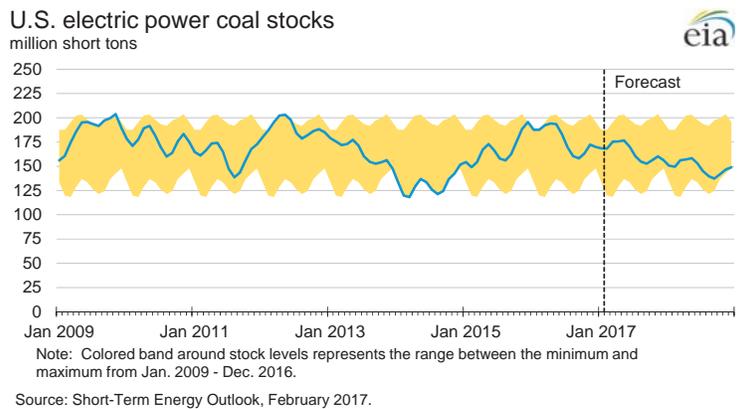
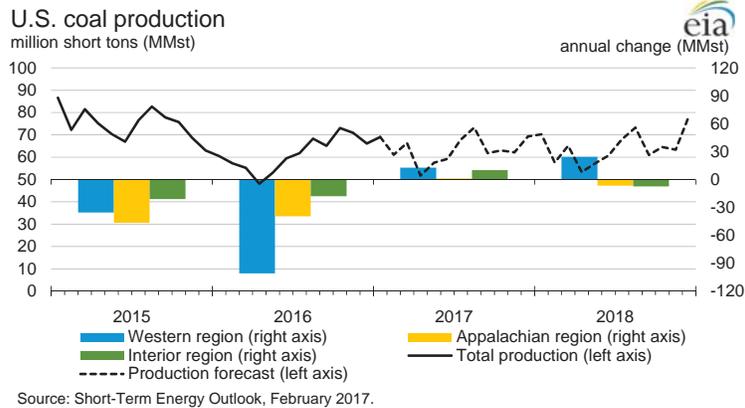


### U.S. working natural gas in storage



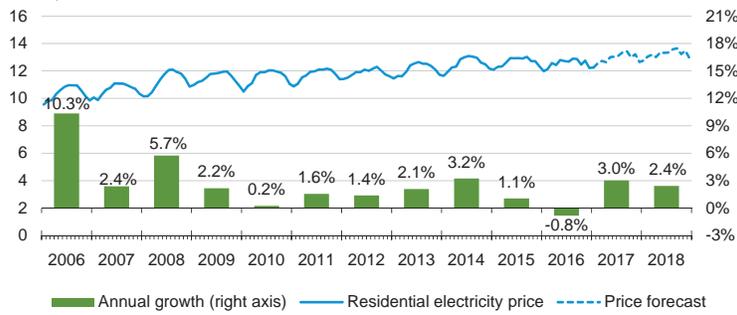
### U.S. coal consumption





### U.S. residential electricity price

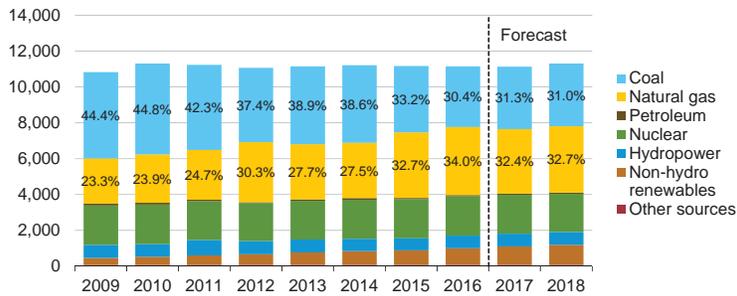
cents per kilowatthour



Source: Short-Term Energy Outlook, February 2017.

### U.S. electricity generation by fuel, all sectors

thousand megawatthours per day

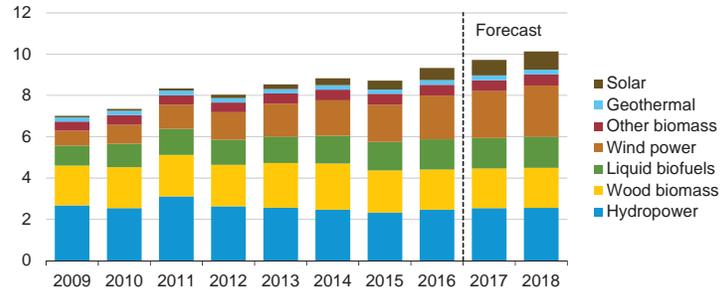


Note: Labels show percentage share of total generation provided by coal and natural gas.

Source: Short-Term Energy Outlook, February 2017.

### U.S. renewable energy supply

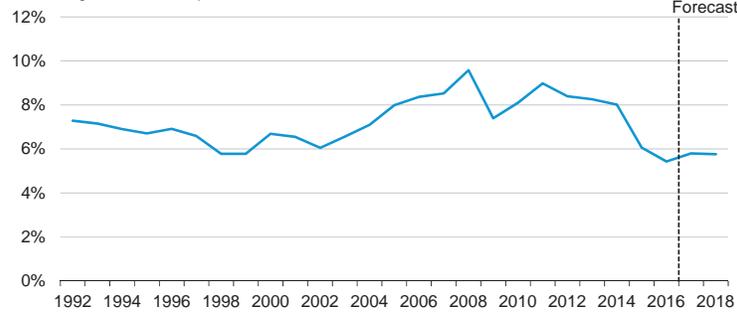
quadrillion British thermal units (Btu)



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.

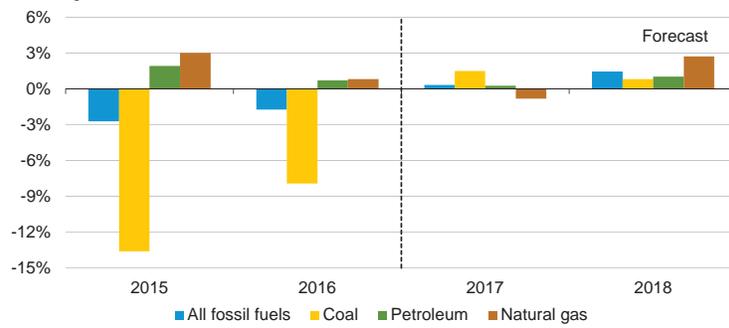
Source: Short-Term Energy Outlook, February 2017.

### U.S. annual energy expenditures share of gross domestic product



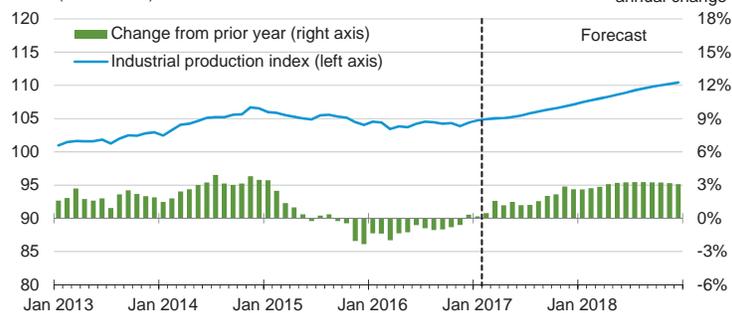
Source: Short-Term Energy Outlook, February 2017.

### U.S. energy-related carbon dioxide emissions annual growth



Source: Short-Term Energy Outlook, February 2017.

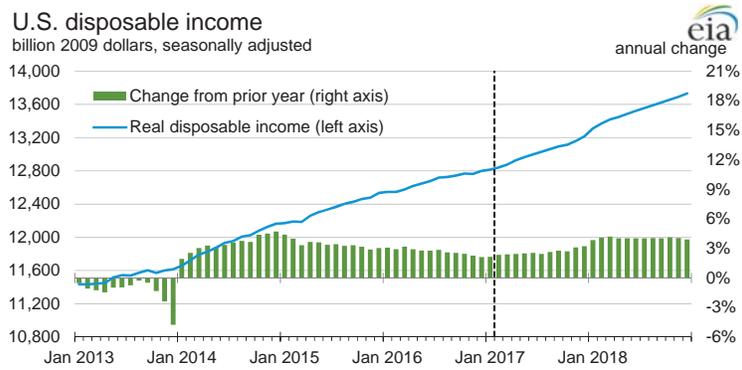
### U.S. total industrial production index index (2007 = 100)



Source: Short-Term Energy Outlook, February 2017.

### U.S. disposable income

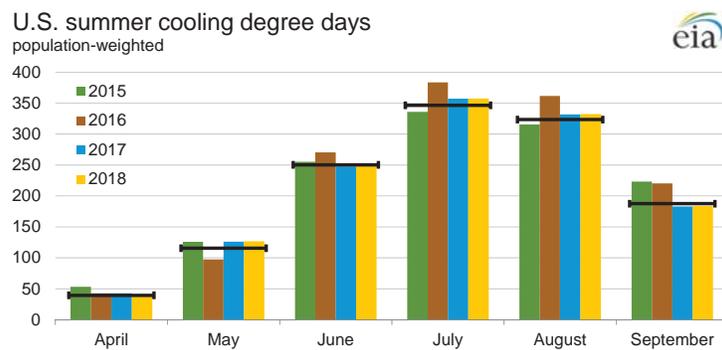
billion 2009 dollars, seasonally adjusted



Source: Short-Term Energy Outlook, February 2017.

### U.S. summer cooling degree days

population-weighted

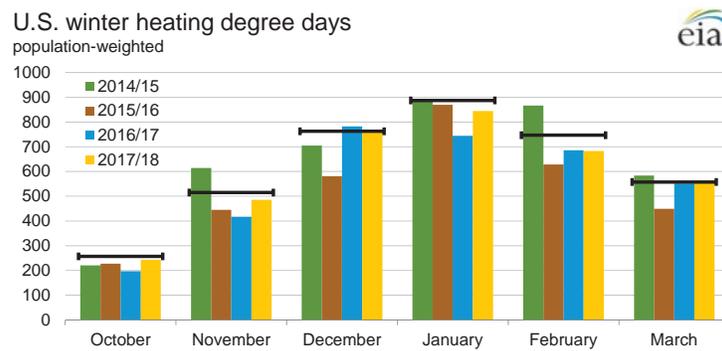


Note: EIA calculations based on from the National Oceanic and Atmospheric Administration data. Horizontal lines indicate each month's prior 10-year average (2007-2016). Projections reflect NOAA's 14-16 month outlook.

Source: Short-Term Energy Outlook, February 2017.

### 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 2006 - Mar 2016). Projections reflect NOAA's 14-16 month outlook.

Source: Short-Term Energy Outlook, February 2017.

## U.S. census regions and divisions



Source: Short-Term Energy Outlook, February 2017.