



## Division of Energy

# MISSOURI ENERGY BULLETIN

November 14, 2016

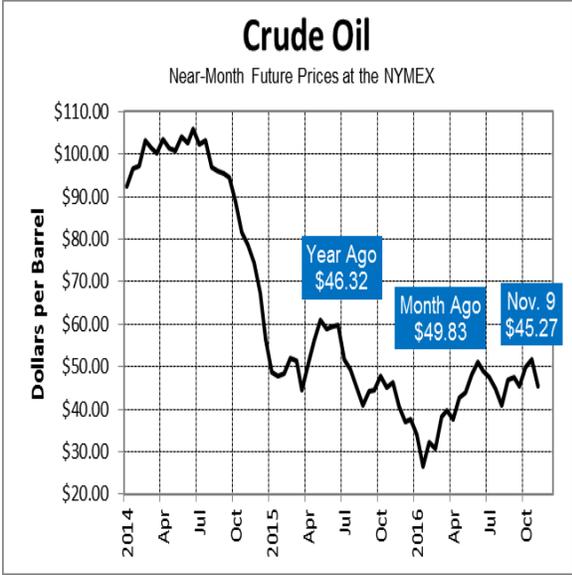
*(Data is for the week ended November 4, 2016, unless stated otherwise.)*

### Crude Oil

**U.S. crude oil prices decreased by \$4.56 to \$45.27 per barrel in the past month and stand 2 percent lower compared to this time last year.**

Crude Oil - Near Month Future Prices (dollars per barrel)					
	<u>11-09-16</u>	<u>10-05-16</u>	<u>change</u>	<u>11-04-15</u>	<u>change</u>
NYMEX	\$45.27	\$49.83	down 9%	\$46.32	down 2%

- Crude oil futures for December delivery on the NYMEX ended \$0.29 or 0.6% higher on November 9 to settle at \$45.27 per barrel, as stocks and the dollar bounced back from a huge early slide.
- Crude oil prices tumbled as much as 4 percent to near \$43 per barrel, a two-month low, on growing domestic supplies of crude oil.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$45.27 is \$1.05, or 2 percent, lower.
- According to the Energy Information Administration (EIA) federal weekly fuels report released November 9, U.S. crude inventories increased 2.4 MMB on the week to 485.0 MMB. U.S. crude supplies are now 30.2 MMB higher compared to this time last year.
- Domestic crude production increased from the prior week at nearly 8.7 MMB/D. Last year at this time, production stood at nearly 9.2 MMB/D. Total crude imports decreased from the prior week at over 7.4 MMB/D. Imports at this time last year averaged about 7.4 MMB/D.



- U.S. refinery crude runs increased from the prior week with refiners processing over 15.8 MMB/D. U.S. refinery capacity utilization was up on the week at 87.1 percent. Last year at this time, capacity use stood at 89.5 percent.
- Gasoline output increased on the week at over 10.5 MMB/D. Output was over 9.7 MMB/D at this time last year. Distillate output increased from the prior week at nearly 4.8 MMB/D. Last year at this time, production stood at over 4.8 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at about 20.1 MMB/D, up by 1.5 percent compared to the same period last year.

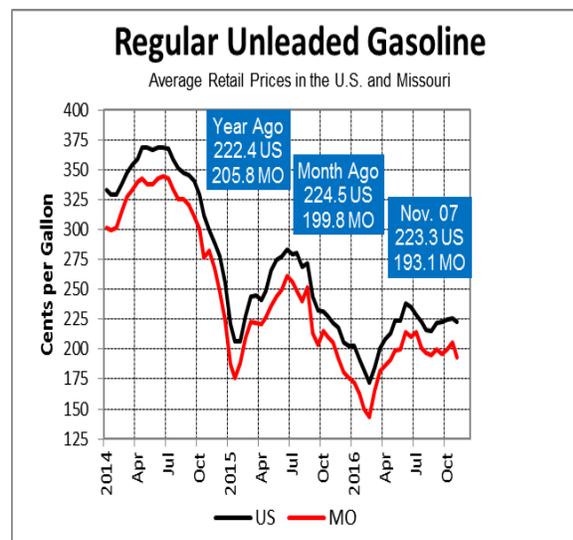
## Transportation Fuels

On November 7, Missouri's statewide average retail price for gasoline was \$1.93 per gallon, down 6.7 cents in the past month and down 12.7 cents in the past year.

Regular Unleaded Gasoline - Retail Prices (cents per gallon)					
	<u>11-07-16</u>	<u>10-03-16</u>	<u>change</u>	<u>11-02-15</u>	<u>change</u>
US	223.3	224.5	down 1%	222.4	up ≤ 1%
Missouri	193.1	199.8	down 3%	205.8	down 6%

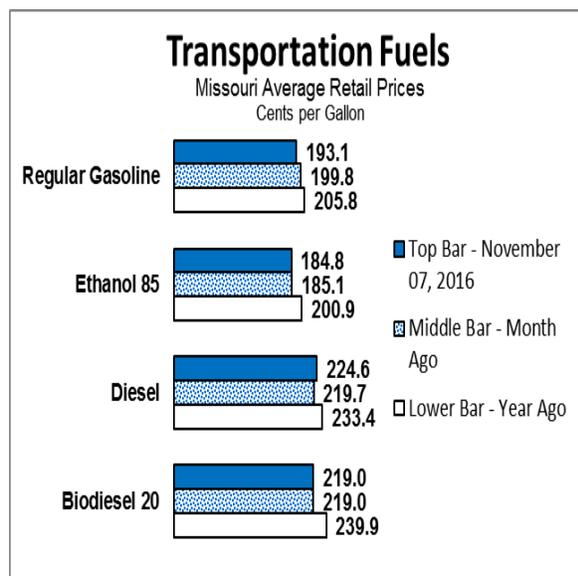
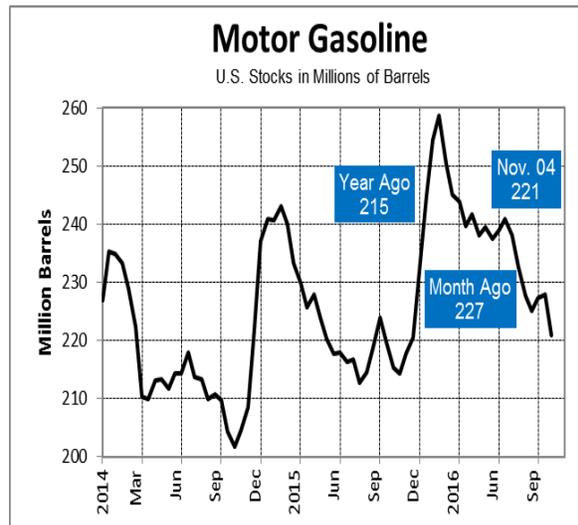
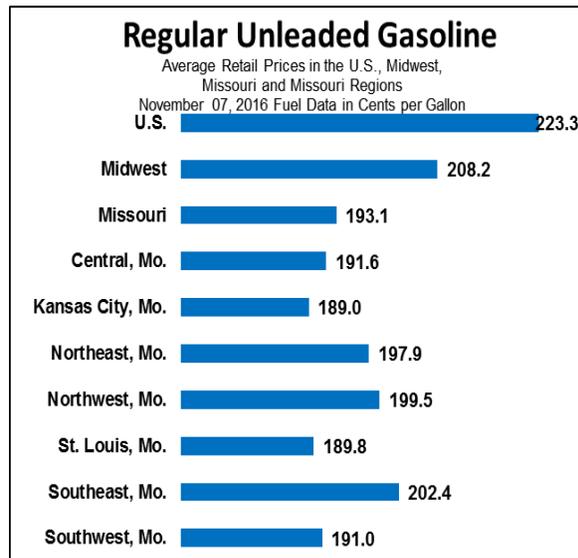
Diesel Fuel - Retail Prices (cents per gallon)					
	<u>11-07-16</u>	<u>10-03-16</u>	<u>change</u>	<u>11-02-15</u>	<u>change</u>
US	247.0	238.9	up 3%	248.5	down 1%
Missouri	224.6	219.7	up 2%	233.4	down 4%

- On November 7, Missouri's average retail price for gasoline was \$1.93 per gallon, down 6.7 cents in the past month.
- Missouri's average price for diesel fuel was nearly \$2.25 per gallon, up 4.9 cents in the past month.
- Compared to last year at this time, Missouri's average retail gasoline price is 12.7 cents per gallon, or 6 percent, lower while the average retail diesel fuel price is 8.8 cents per gallon, or 4 percent, lower.
- At \$2.23, the U.S. average price for regular gasoline is 1.2 cents per gallon, or 1 percent, lower compared to last month.



- The U.S. average price for regular gasoline is up 0.9 cents per gallon, or less than 1 percent, compared to this time last year. In the past week, the U.S. average increased by less than 1.0 cent per gallon.
- Gasoline imports increased from the prior week at 0.5 MMB/D. Last year at this time, imports stood at nearly 0.4 MMB/D.

- Implied demand for gasoline increased on the week at over 9.2 MMB/D. Demand stood at nearly 9.4 MMB/D at this time last year.
- In the past four weeks, U.S. gasoline demand has averaged nearly 9.1 MMB/D.
- U.S. gasoline supplies decreased 2.8 MMB on the week to 221.0 MMB. U.S. supplies are up 7.7 MMB compared to this time last year and trend above the five-year average for this time of year.
- Distillate stocks decreased on the week at 148.6 MMB and stand 7.5 MMB higher compared to the same period last year.
- Distillate demand increased on the week at over 4.0 MMB/D. Demand stood at just over 3.8 MMB/D at this time last year. On a four-week average, distillate demand was slightly lower at over 4.0 MMB/D.
- On November 7, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was nearly \$1.85 per gallon, 8.3 cents, or 4.3 percent, lower than the average price for conventional motor gasoline.
- On November 7, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel was \$2.19 per gallon, 5.6 cents per gallon, or 2.5 percent, lower than the average price for conventional diesel fuel.
- According to EIA's latest *Short Term Energy Outlook* dated November 8, 2016, U.S. regular gasoline retail prices, which averaged \$2.43 per gallon in 2015, are projected to average \$2.13 per gallon in 2016.



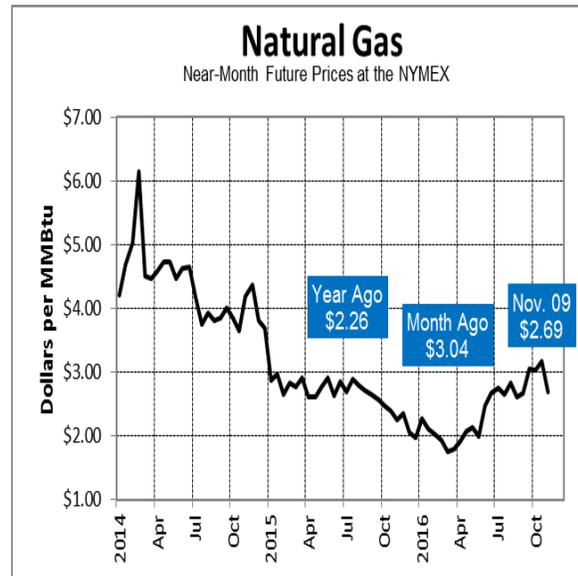
## Natural Gas

Approximately 52 percent (1,236,651) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

**On November 9, natural gas futures on the NYMEX closed at \$2.69 per million British thermal units (MMBtu), down \$0.35, or 11.6 percent, in the past month.**

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	<u>11-09-16</u>	<u>10-05-16</u>	<u>change</u>	<u>11-04-15</u>	<u>change</u>
NYMEX	\$2.69	\$3.04	down 12%	\$2.26	up 19%

- The December 2016 NYMEX futures contract settled at \$2.69 per MMBtu on November 9, up 5.7 cents from the prior settlement. Futures are down 35 cents, or 11.6 percent, in the past month.
- In the past year, natural gas prices have increased by \$0.43 per MMBtu, or 19 percent.
- Working gas in storage was 4,017 Bcf, 4.9 percent above the five-year average inventory level for the week. According to EIA's November 10, 2016 *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are 47 Bcf, or 1.2 percent, higher than last year at this time.
- Net injections into storage totaled 54 Bcf, compared with the five-year (2011–15) average net injection of 38 Bcf and last year's net injections of 55 Bcf during the same week. This marked the first time in 26 weeks that net injections into storage exceeded the five-year average. Unseasonably mild temperatures mitigated consumption of natural gas and contributed to considerably larger-than-average net injections.
- Temperatures in the Lower 48 states averaged 59°F, 8°F higher than the normal and 3°F higher than last year at this time. Cooling degree days (CDD) in the Lower 48 states totaled 14, compared to 9 last year and compared to a normal of 6. Heating degree days (HDD) in the Lower 48 states totaled 54, compared with 70 last year and a normal of 102.
- According to the EIA, U.S. consumption of natural gas rose by 3 percent compared with the previous report week. This increase was driven by a 22 percent increase in residential and commercial consumption as temperatures cooled. The temperature change also affected power burn, which declined by 7 percent week-over-week. Industrial sector consumption increased, rising 2 percent week over week. Natural gas exports to Mexico increased 2 percent.



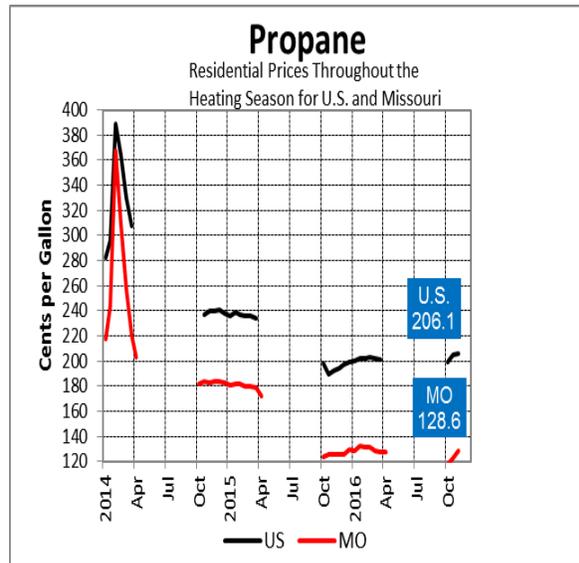
## Propane

Approximately 10 percent (227,100) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

**On November 7, the average Missouri retail price for residential propane was nearly \$1.29 per gallon, up 10.9 cents in the past month and up 3.5 cents in the past year.**

Propane - Retail Prices (cents per gallon)					
	<u>11-07-16</u>	<u>10-03-16</u>	<u>change</u>	<u>11-02-15</u>	<u>change</u>
Missouri	128.6	117.7	up 9%	125.1	up 3%

- According to the Division of Energy's most recent statewide propane price survey conducted November 7, the average Missouri retail residential propane price was nearly \$1.29 per gallon, up 10.9 cents in the past month and up 3.5 cents compared to last year at this time.
- According to the survey, the highest Missouri retail residential price for propane was \$2.19 per gallon. The lowest retail price was \$1.03 per gallon.
- U.S. propane stocks decreased by 1.3 MMB last week to 99.6 MMB as of November 4, 2016, 4.4 MMB or 4.2 percent lower than a year ago. Midwest inventories decreased by nearly 0.2 MMB to almost 27.6 MMB. Midwest inventories stood at nearly 28.8 MMB at this time last year.
- U.S. propane consumption increased on the week. At 1.3 MMB/D, U.S. demand for propane is higher compared to last year at this time.



**For more information on propane, please visit:**

<http://energy.mo.gov/energy/services/be-prepared-for-propane>

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The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Economic Development's Division of Energy. The Division of Energy collects transportation and propane heating fuel prices from several retail providers located throughout the state. To preserve confidentiality, price data are averaged and reported by region. The bulletin is a public resource made available to state government decision-makers, other interested individuals upon request and online at the division's Web address. The department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Economic Development, Division of Energy, P.O. Box 1766, Jefferson City, MO 65102-1766; Phone: 573-751-2254; Fax: 573-751-6860; Email: [energy@ded.mo.gov](mailto:energy@ded.mo.gov); Web Address: <http://energy.mo.gov/energy/stay-informed/missouri-energy-bulletins>.