

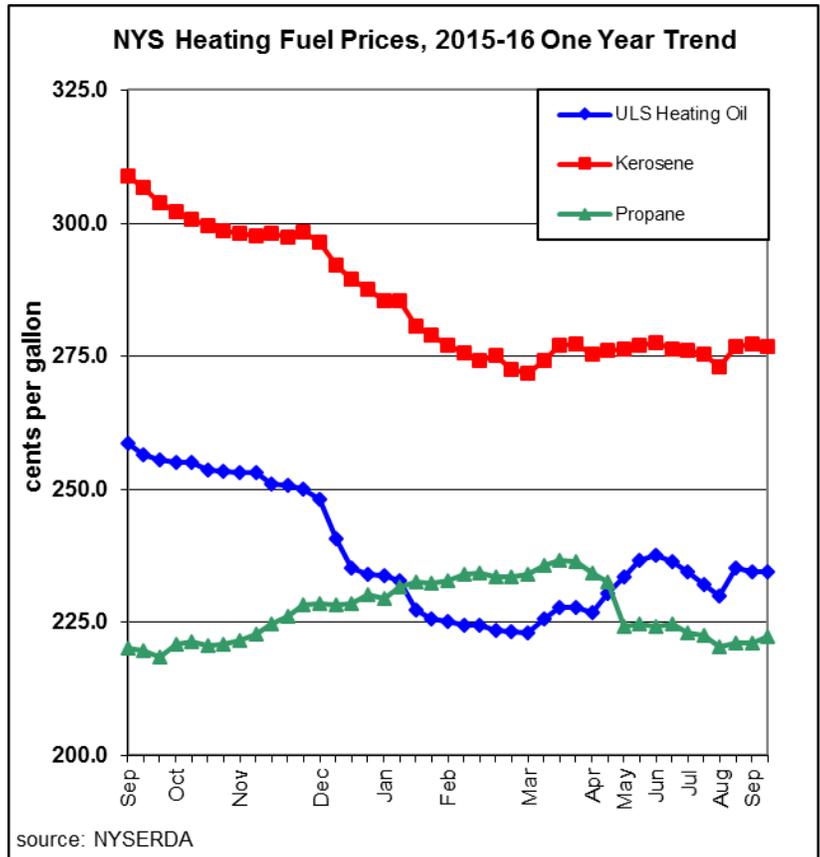
Highlights

- U.S. crude oil inventories decreased by 0.6 million barrels since last week to 510.8 million barrels. U.S. crude oil inventories remain 54.9 million barrels (12.0%) higher than last year’s level of 455.9 million barrels.
- Mid-Atlantic propane stocks increased by 11.3% since last week to a record level of 4.5 million barrels, 33.8% greater than the year-ago level of 3.4 million barrels.
- New York statewide average retail prices for ultra-low sulfur (ULS) heating oil and kerosene decreased while the average price for propane increased since the last survey.

Retail Petroleum Prices—On a statewide basis since the last survey on September 5th, prices decreased 0.1¢/gallon (0.0%) to 234.4¢/gallon for ULS heating oil, and 0.3¢/gallon (0.1%) to 276.9¢/gallon for kerosene, while the price increased 1.1¢/gallon (0.5%) to 222.3¢/gallon for propane. Compared to a year earlier, prices decreased 24.3¢/gallon (9.4%) for heating oil, 32.0¢/gallon (10.4%) for kerosene and the price increased 2.2¢/gallon (1.0%) for propane.

Crude Oil Prices—For the week ending 9/9/16, WTI crude oil spot prices averaged \$45.96/bbl, an increase of \$0.85/bbl (1.9%) from the week-ago average of \$45.11/bbl. WTI prices are now \$0.80/bbl (1.8%) above the year-ago weekly average of \$45.16/bbl. The all-time weekly average high of \$142.52/bbl occurred on 7/04/08.

Spot Natural Gas Prices—For the week ending 9/9/16, Henry Hub natural gas spot prices averaged \$2.853 per million Btu (mmBtu), a decrease of \$0.068/mmBtu (2.3%) from the prior week level of \$2.920/mmBtu. Prices are currently \$0.142/mmBtu (5.3%) above the year-earlier weekly average of \$2.710/mmBtu.



Residential Natural Gas Prices—The NYS average price in June 2016 was \$1.437/therm, an increase of \$0.375/therm (35.4%) from the prior month of \$1.061/therm, and was \$0.147/therm (9.3%) lower than the year earlier average of \$1.584/therm.

Middle Atlantic Stocks—Current and historic heating fuel inventory data is presented in the table below.

| Middle Atlantic Region, Weekly Inventories (million barrels) | | | | | | | |
|--|-------------|-------------|------------------------|-------------|------------------------|----------------|-------------------------|
| Fuel Type | 9/9/2016 | 9/2/2016 | % Change vs. Last Week | Year Ago | % Change vs. Last Year | 5-Year Average | % Change vs. 5-Year Avg |
| ULS Distillate (0-15 ppm) | 34.2 | 32.6 | 5.1% | 29.4 | 16.2% | 17.3 | 97.4% |
| Non-road Diesel (15-500 ppm) | 2.3 | 2.3 | 2.2% | 1.3 | 85.9% | 1.3 | 77.3% |
| High Sulfur Distillate (>500 ppm) | 3.2 | 3.1 | 1.4% | 5.6 | -44.1% | 10.4 | -69.6% |
| Total Distillate Oil | 39.7 | 38.0 | 4.6% | 36.4 | 9.2% | 29.0 | 36.8% |
| Propane | 4.085 | 3.398 | 20.2% | 2.983 | 36.9% | 2.128 | 92.0% |
| #6 Residual Oil | 7.7 | 7.5 | 2.4% | 6.2 | 24.2% | 6.2 | 22.6% |
| US Natural Gas | 3,499 | 3,437 | 1.8% | 3,315 | 5.6% | 3,200 | 9.3% |
| US Crude Oil | 510.8 | 511.4 | -0.1% | 455.9 | 12.0% | 376.1 | 35.8% |

Notes: Natural Gas in billion cubic feet (Bcf); Middle Atlantic is DE, DC, MD, NJ, NY, and PA

ppm = parts per million sulfur content

Source: US DOE/EIA



| New York State Retail ULS #2 Heating Oil Posted Credit Prices (cents per gallon) | | | | | |
|---|--------------|--------------|---------------------------|--------------|------------------------|
| REGION | 9/12/2016 | 9/5/2016 | % Change vs. Prior Survey | Year Ago | % Change vs. Last Year |
| Long Island | 254.4 | 254.1 | 0.1% | 274.7 | -7.4% |
| New York City | 249.6 | 249.7 | 0.0% | 275.6 | -9.4% |
| Lower Hudson | 242.7 | 243.3 | -0.2% | 261.4 | -7.2% |
| Upper Hudson | 224.2 | 224.3 | 0.0% | 245.4 | -8.6% |
| Capital District | 221.6 | 221.6 | 0.0% | 246.7 | -10.2% |
| North Country | 218.9 | 220.1 | -0.5% | 254.4 | -14.0% |
| Central | 212.0 | 210.6 | 0.7% | 236.2 | -10.2% |
| Western | 230.1 | 230.5 | -0.2% | 259.4 | -11.3% |
| Statewide | 234.4 | 234.5 | 0.0% | 258.7 | -9.4% |
| New York State Retail Propane Posted Credit Prices - 1,100 gallon usage category (cents per gallon) | | | | | |
| Long Island | 277.5 | 274.7 | 1.0% | 274.6 | 1.1% |
| Mid-Hudson | 221.2 | 220.9 | 0.1% | 225.9 | -2.1% |
| Capital District | 230.1 | 229.7 | 0.2% | 230.2 | 0.0% |
| North Country | 262.4 | 258.7 | 1.4% | 231.6 | 13.3% |
| Central | 195.7 | 194.9 | 0.4% | 196.3 | -0.3% |
| Western | 198.3 | 198.6 | -0.2% | 200.7 | -1.2% |
| Statewide | 222.3 | 221.2 | 0.5% | 220.1 | 1.0% |
| New York State Retail Kerosene Posted Credit Prices (cents per gallon) | | | | | |
| Mid-Hudson | 290.0 | 290.0 | 0.0% | 328.7 | -11.8% |
| Capital District | 271.6 | 272.0 | -0.1% | 299.0 | -9.2% |
| North Country | 283.0 | 285.1 | -0.7% | 304.6 | -7.1% |
| Central | 263.0 | 261.4 | 0.6% | 295.6 | -11.0% |
| Western | 262.8 | 263.3 | -0.2% | 296.6 | -11.4% |
| Statewide | 276.9 | 277.2 | -0.1% | 308.9 | -10.4% |
| New York State Average Residential Natural Gas Prices (\$/therm) | | | | | |
| REGION | June 2016 | May 2016 | % Change vs. Prior Month | June 2015 | % Change vs. Last Year |
| Statewide | 1.437 | 1.061 | 35.4% | 1.584 | -9.3% |

* Revision

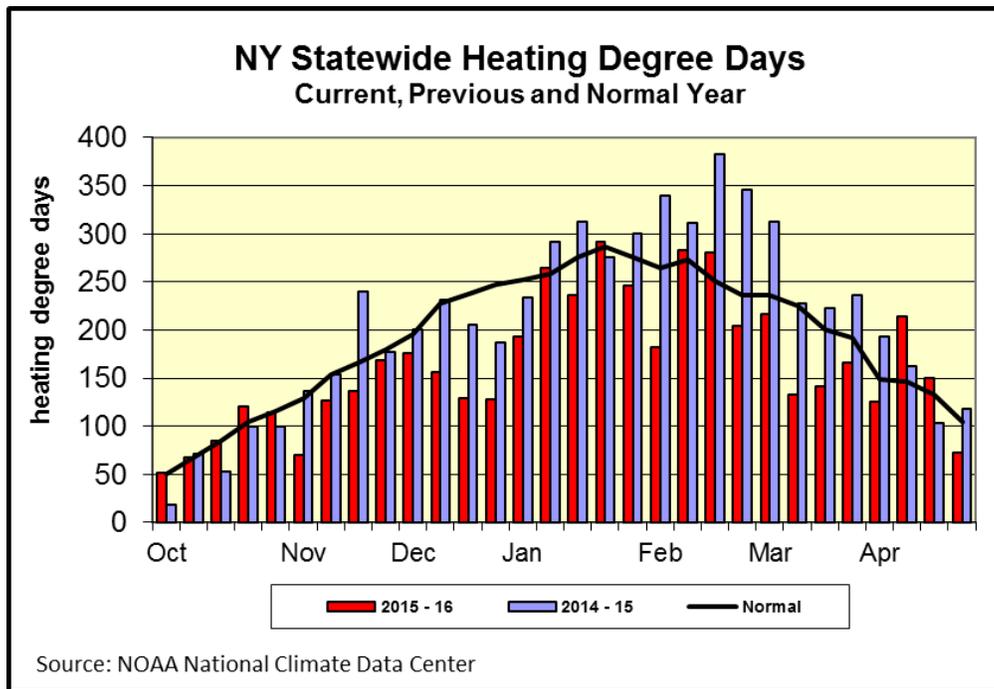
Historic Retail Prices—Statewide average high and low prices since Sept. 1997 for #2 & propane & Sept. 2000 for kerosene.

- Heating oil—highest price 477.8¢/gallon on 7/14/08, lowest price 87.6¢/gallon on 9/08/98.
- Propane—highest price 381.1¢/gallon on 2/17/14, lowest price 107.2¢/gallon on 9/20/99.
- Kerosene—highest price 506.8¢/gallon on 7/14/08, lowest price 130.9¢/gallon on 9/09/02.

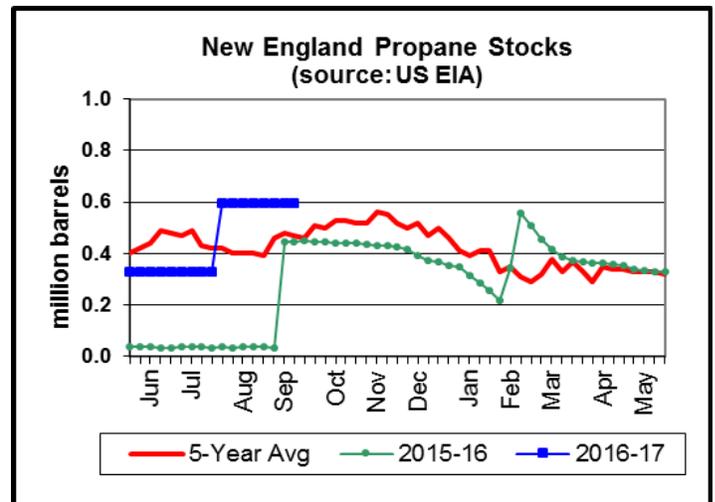
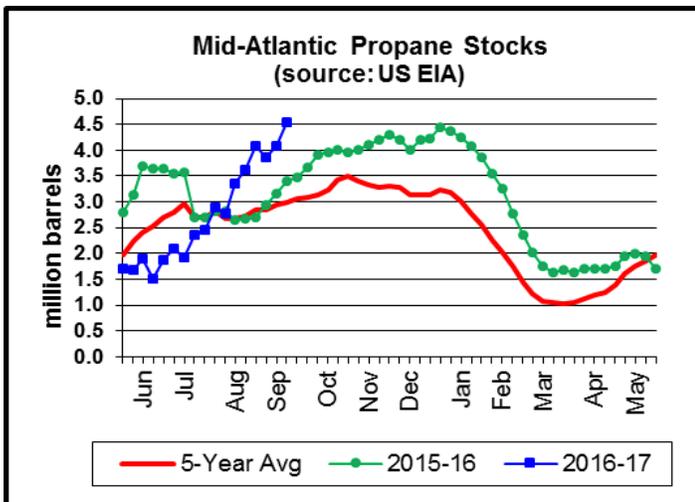
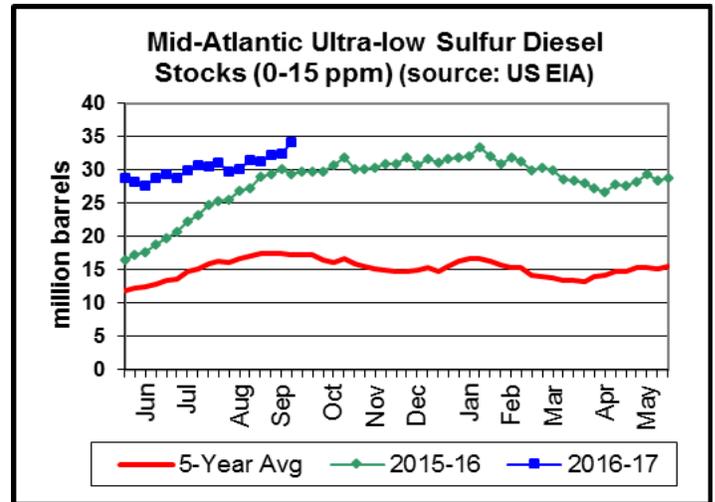
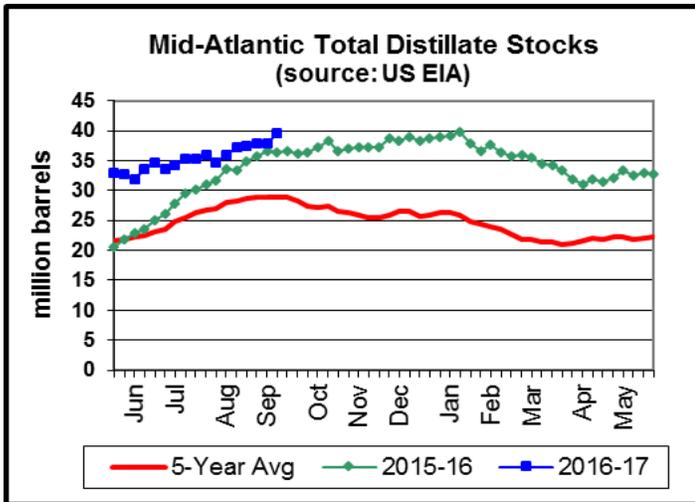
Residential Natural Gas Prices: Statewide average prices are derived from US EIA most currently available data. NYS gas utility specific prices can be found on the NYS DPS website at <http://www.dps.ny.gov/TypicalBills.htm#GasRes>.

New York State Regions: *Long Island:* Nassau and Suffolk *New York City:* Bronx, Kings, New York, Queens, and Richmond *Lower Hudson:* Dutchess, Putnam, Rockland, and Westchester *Upper Hudson:* Columbia, Greene, Orange, Sullivan, and Ulster *Capital District:* Albany, Fulton Montgomery, Rensselaer, Saratoga, Schenectady, Schoharie, and Washington *North Country:* Clinton, Essex, Franklin, Hamilton, Jefferson, Lewis, St. Lawrence, and Warren *Central:* Broome, Cayuga, Chenango, Cortland, Delaware, Herkimer, Madison, Oneida, Onondaga, Oswego, Otsego, Tioga, and Tompkins *Western:* Allegany, Cattaraugus, Chautauqua, Chemung, Erie, Genesee, Livingston, Monroe, Niagara, Ontario, Orleans, Schuylar, Seneca, Steuben, Wayne, Wyoming, and Yates counties. **Propane & Kerosene:** *Mid-Hudson:* Columbia, Dutchess, Greene, Orange, Putnam, Rockland, Sullivan, Ulster, and Westchester counties.

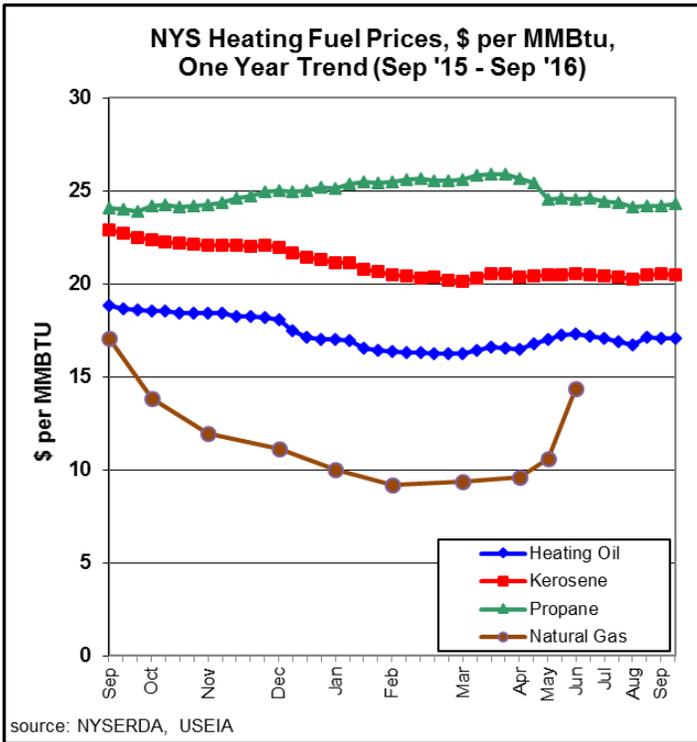
Heating Degree Days— Heating Degree Day reporting will resume in October. The 2015-16 Winter Season is presented below.



Distillate and Propane Stocks—Current and historic heating fuel inventory data is presented in the graphs below.

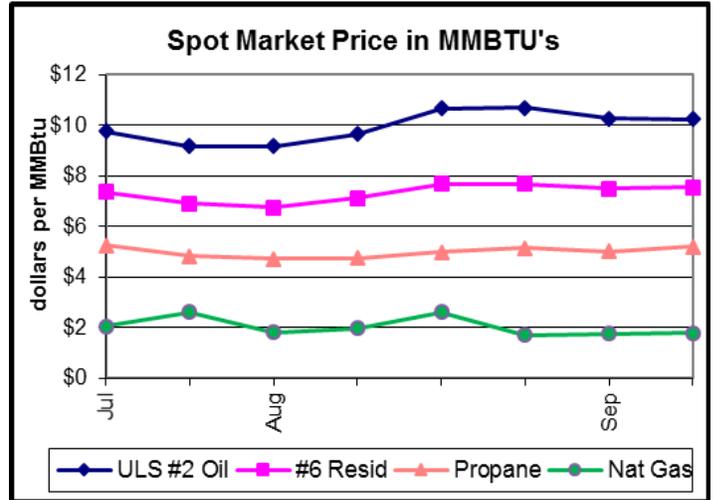


Retail Btu Price Equivalents—The New York State Heating Fuel Prices Btu graph equates the retail price for New York Statewide average residential ultra-low sulfur heating oil, kerosene, propane, and natural gas on a dollar per million Btu (MMBtu) basis.



Note: Natural gas prices are from the U.S. EIA and provided on a monthly basis and delayed by 3 months.

Spot Btu Price Equivalents—The Btu spot market graph equates the spot market price, in table below, for NY Harbor ultra-low sulfur diesel fuel and 0.3% sulfur high pour #6 residual fuel, Mont Belvieu propane, and the New York City gate natural gas price on a dollar per million Btu (MMBtu) basis.



| New York Spot Prices, Weekly Average | | | |
|--------------------------------------|----------|----------|----------|
| Fuel | 9/9/2016 | Year Ago | % Change |
| Ultra LS Diesel | 141.9 | 153.1 | -7.4% |
| #2 Fuel Oil | 134.9 | 143.1 | -5.7% |
| #6 Residual 0.3% | 112.8 | 101.0 | 11.6% |
| Propane | 47.4 | 44.1 | 7.5% |
| Natural Gas | 1.795 | 2.137 | -16.0% |

Note: Fuel in ¢/gallon, natural gas (\$/mmBtu)=NYcitygate

Additional historic **regional specific** prices and supply information is available at NYSERDA's website. For more information please contact Charlie Wesley at (518) 862-1090 ext. 3364, e-mail Charles.Wesley@nysERDA.ny.gov.