

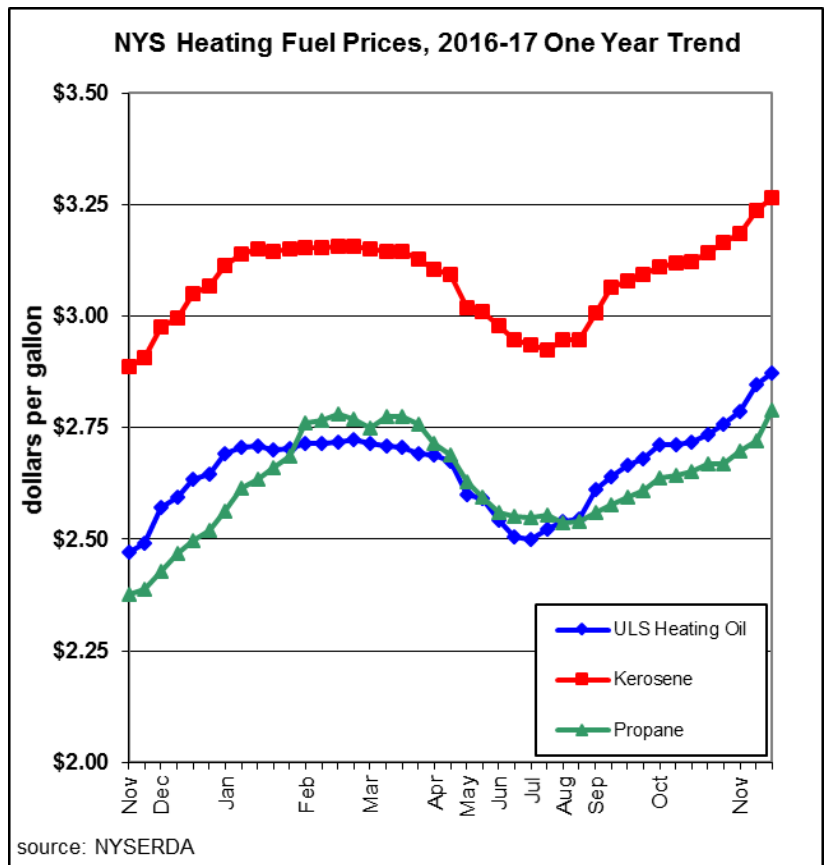
**Highlights**

- The past two weeks have seen colder than normal temperatures with the current week experiencing heating degree-days 17.9% above the normal trend. Even with this recent colder weather, cumulative New York statewide heating degree-days since October 1<sup>st</sup> (649) are behind the 30-year normal (772) by 15.9%.
- Mid-Atlantic ultra-low sulfur (ULS) distillate stocks for the current week increased by 1.5 million barrels (6.3%) since last week and are now 22.7% below last year’s level but 30.1% above the 5-year average.
- New York statewide average retail prices of ultra-low sulfur (ULS) heating oil, kerosene, and propane all increased since the last survey.

**Retail Petroleum Prices**—On a statewide basis since the last survey on November 13<sup>th</sup>, prices increased \$0.025/gallon (0.9%) to \$2.873/gallon for ULS heating oil, \$0.027/gallon (0.8%) to \$3.265/gallon for kerosene, and \$0.070/gallon (2.6%) to \$2.790/gallon for propane. Compared to a year earlier, prices increased \$0.402/gallon (16.3%) for heating oil, \$0.379/gallon (13.1%) for kerosene and \$0.413/gallon (17.4%) for propane.

**Crude Oil Prices**—For the week ending 11/17/17, WTI crude oil spot prices averaged \$55.81/bbl, a decrease of \$1.24/bbl (2.2%) from the week-ago average of \$57.05/bbl. WTI prices are now \$10.66/bbl (23.6%) above the year-ago weekly average of \$45.15/bbl. The all-time weekly average high of \$142.52/bbl occurred on 7/04/08.

**Spot Natural Gas Prices**—For the week ending 11/17/17, Henry Hub natural gas spot prices averaged \$3.088 per million Btu (mmBtu), a decrease of \$0.034/mmBtu (1.1%) from the prior week level of \$3.122/mmBtu. Prices are currently \$0.666/mmBtu (27.5%) above the year-earlier weekly average of \$2.422/mmBtu.



**Residential Natural Gas Prices**—The NYS average price in August 2017 was \$1.831/therm, a decrease of \$0.009/therm (0.5%) from the prior month of \$1.840/therm, and was \$0.103/therm (5.9%) higher than the year earlier average of \$1.728/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	11/17/2017	11/10/2017	% Change vs. Last Week	Year Ago	% Change vs. Last Year	5-Year Average	% Change vs. 5-Year Avg
ULS Distillate (0-15 ppm)	25.2	23.7	6.3%	32.6	-22.7%	19.4	30.1%
Non-road Diesel (15-500 ppm)	1.1	1.2	-8.5%	2.2	-50.8%	1.0	2.0%
High Sulfur Distillate (>500 ppm)	2.9	2.9	0.1%	4.1	-29.0%	6.4	-55.3%
<b>Total Distillate Oil</b>	<b>29.2</b>	<b>27.8</b>	<b>5.1%</b>	<b>38.8</b>	<b>-24.9%</b>	<b>26.9</b>	<b>8.6%</b>
Propane	4.626	4.834	-4.3%	3.933	17.6%	3.438	34.6%
#6 Residual Oil	5.3	5.4	-1.6%	7.8	-32.2%	6.7	-21.0%
US Natural Gas	3,726	3,772	-1.2%	4,045	-7.9%	3,847	-3.1%
US Crude Oil	457.1	459.0	-0.4%	489.0	-6.5%	401.0	14.0%

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 (dollars per gallon)					
REGION	11/20/2017	11/13/2017	% Change vs. Prior Survey	Year Ago	% Change vs. Last Year
Long Island	3.046	3.033	0.4%	2.622	16.2%
New York City	2.963	2.957	0.2%	2.566	15.5%
Lower Hudson	2.971	2.957	0.5%	2.558	16.1%
Upper Hudson	2.773	2.745	1.0%	2.392	15.9%
Capital District	2.687	2.660	1.0%	2.306	16.5%
North Country	2.739	2.702	1.4%	2.369	15.6%
Central	2.678	2.635	1.6%	2.314	15.7%
Western	2.984	2.933	1.7%	2.492	19.7%
<b>Statewide</b>	<b>2.873</b>	<b>2.848</b>	<b>0.9%</b>	<b>2.471</b>	<b>16.3%</b>
New York State Retail Propane Posted Credit Prices - 1,100 gallon usage category (dollars per gallon)					
Long Island	3.260	3.260	0.0%	2.893	12.7%
Mid-Hudson	2.682	2.667	0.6%	2.316	15.8%
Capital District	2.859	2.687	6.4%	2.569	11.3%
North Country	3.414	3.319	2.9%	2.787	22.5%
Central	2.549	2.491	2.3%	2.131	19.6%
Western	2.472	2.380	3.9%	2.102	17.6%
<b>Statewide</b>	<b>2.790</b>	<b>2.720</b>	<b>2.6%</b>	<b>2.377</b>	<b>17.4%</b>
New York State Retail Kerosene Posted Credit Prices (dollars per gallon)					
Mid-Hudson	3.339	3.331	0.2%	2.971	12.4%
Capital District	3.148	3.118	1.0%	2.809	12.1%
North Country	3.274	3.249	0.8%	2.944	11.2%
Central	3.153	3.117	1.2%	2.785	13.2%
Western	3.383	3.317	2.0%	2.841	19.1%
<b>Statewide</b>	<b>3.265</b>	<b>3.238</b>	<b>0.8%</b>	<b>2.886</b>	<b>13.1%</b>
New York State Average Residential Natural Gas Prices (\$/therm)					
REGION	August 2017	July 2017	% Change vs. Prior Month	August 2016	% Change vs. Last Year
<b>Statewide</b>	<b>1.831</b>	<b>1.840</b>	<b>-0.5%</b>	<b>1.728</b>	<b>5.9%</b>

\* Revision

**Historic Retail Prices**—Statewide average high and low prices since Sept. 1997 for heating oil & propane & Sept. 2000 for kerosene.

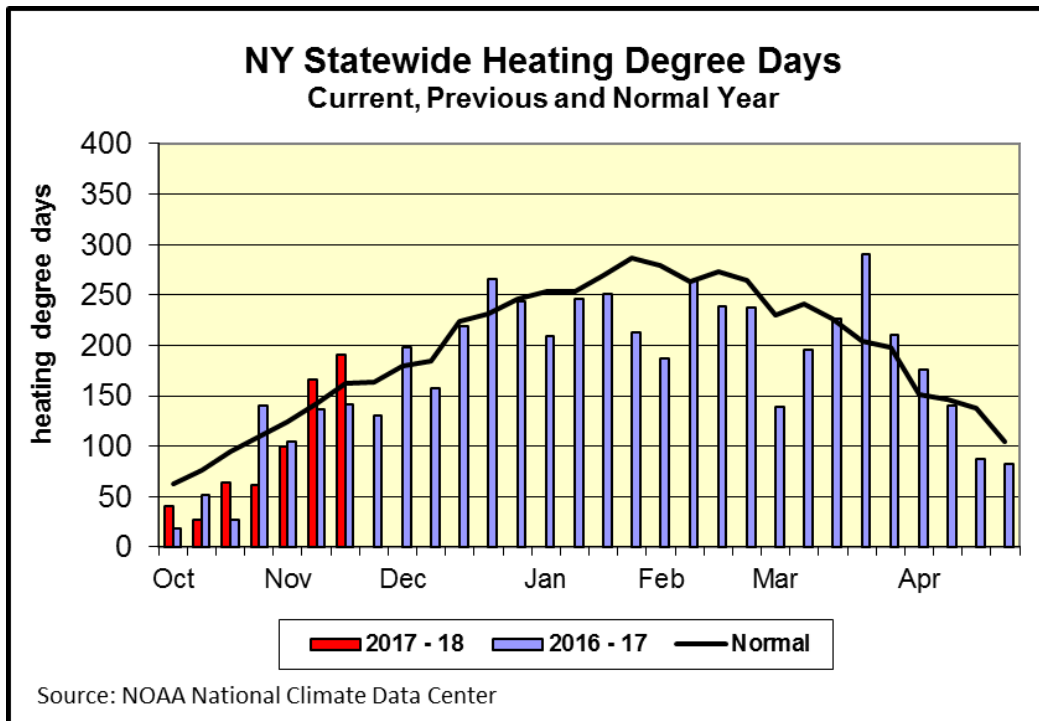
- Heating oil—highest price \$4.778/gallon on 7/14/08, lowest price \$0.876/gallon on 9/08/98.
- Propane—highest price \$3.811/gallon on 2/17/14, lowest price \$1.072/gallon on 9/20/99.
- Kerosene—highest price \$5.068/gallon on 7/14/08, lowest price \$1.309/gallon on 9/09/02.

**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>.

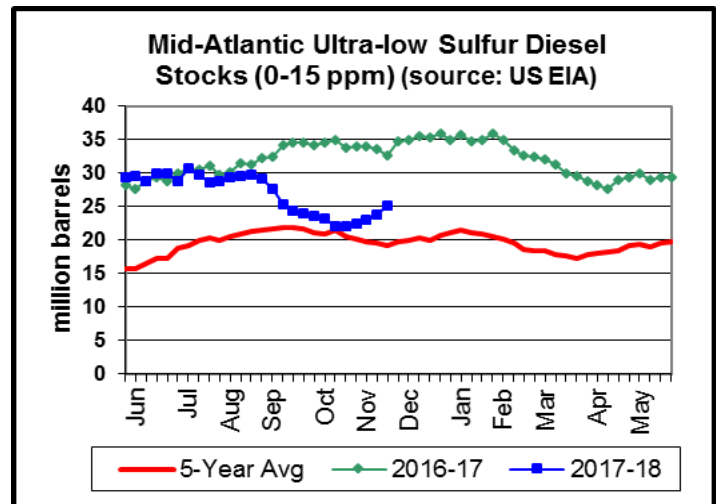
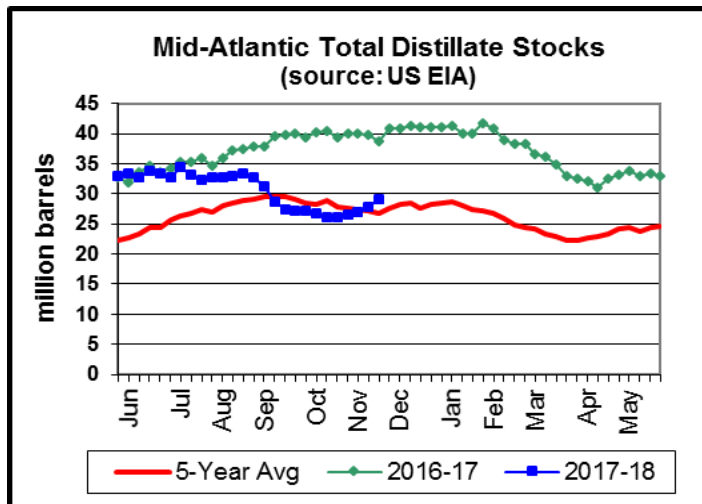
**New York State Regions:** *Long Island:* Nassau and Suffolk *New York City:* Bronx, Kings, New York, Queens, and Richmond *Lower Hudson:* Dutchess, Putnam, Rockland, and Westchester *Upper Hudson:* Columbia, Greene, Orange, Sullivan, and Ulster *Capital District:* Albany, Fulton Montgomery, Rensselaer, 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, Schuyler, 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**— On a statewide basis during the past week, the number of heating degree-days (191) was 35.5% above the year-ago level of (141) and 17.9% above the normal trend (162). On a cumulative basis since October 1<sup>st</sup>, current year heating degree-days (649) are ahead of the year-ago level (618) by 5.0% and behind the normal trend (772) by 15.9%.

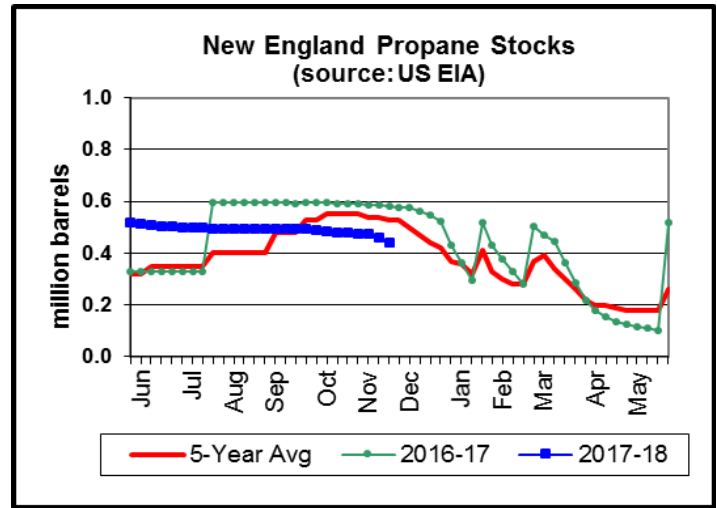
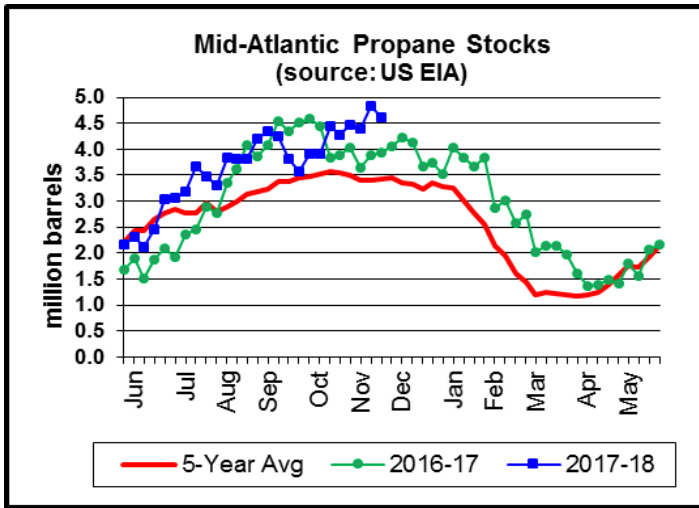
New York State Heating Degree Day Information, Weekly & Cumulative						
Region	Week Ending November 18			Cumulative From October 1		
	2017	2016	Normal	2017-18	2016-17	Normal
Albany	196	150	170	687	745	871
Binghamton	213	157	188	826	871	962
Buffalo	191	122	170	713	617	846
Glens Falls	227	129	192	853	823	1,011
Massena	228	142	203	831	851	1,047
NYC	136	90	121	366	339	528
Rochester	189	128	171	682	629	853
Syracuse	207	142	173	739	757	870
Watertown	213	130	191	806	818	992
<b>Statewide</b>	<b>191</b>	<b>141</b>	<b>162</b>	<b>649</b>	<b>618</b>	<b>772</b>



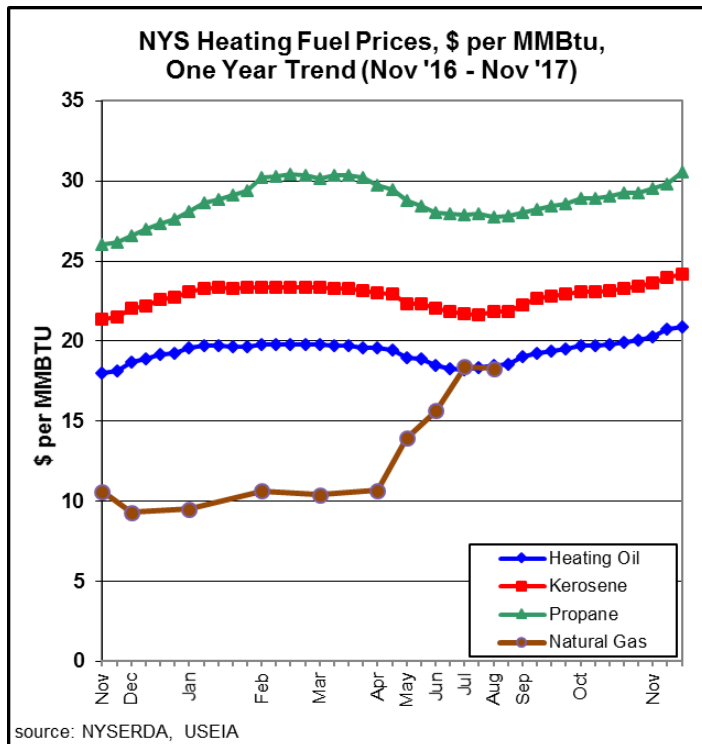
**Distillate Stocks**—Current and historic heating fuel inventory data is presented in the graphs below.



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

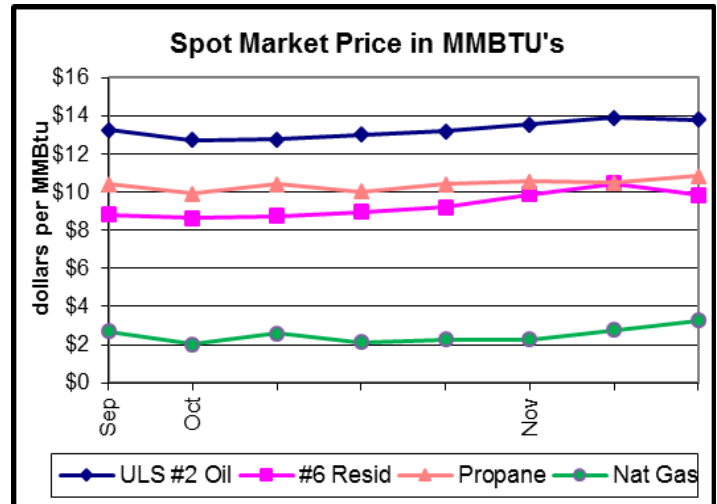


**Retail Btu Price Equivalents**—The New York State Heating Fuel Prices Btu graph equates the retail price for New York Statewide average residential ultra-low sulfur heating oil, kerosene, propane, and natural gas on a dollar per million Btu (MMBtu) basis.



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	11/17/2017	Year Ago	% Change
Ultra LS Diesel	1.910	1.423	34.2%
#2 Fuel Oil	1.815	1.350	34.4%
#6 Residual 0.3%	1.472	1.137	29.5%
Propane	0.988	0.519	90.3%
Natural Gas	3.268	2.056	58.9%

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@nyserdera.ny.gov](mailto:Charles.Wesley@nyserdera.ny.gov).