## NYSERDA Heating Fuels Report

## August 17, 2015

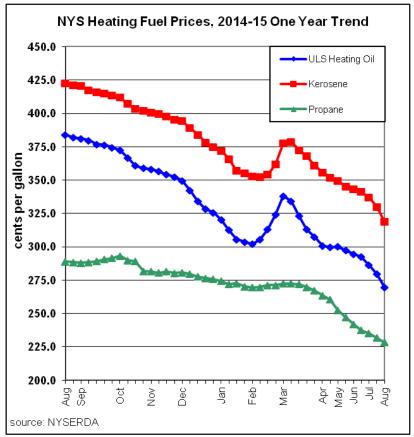
## **Highlights**

- Mid-Atlantic ultra-low sulfur diesel stocks increased for the twentieth week in a row to 27.4 million barrels and are 49.5% above last year's level.
- The weekly average U.S. WTI crude oil spot price decreased for the seventh week in a row to \$43.20 per barrel, decreasing by 3.9% since the previous week and is now 55.5% below the year-ago weekly average.
- New York statewide average retail prices for ultra-low sulfur (ULS) heating oil, kerosene, and propane all decreased since the last survey.

**Retail Petroleum Prices**—On a statewide basis since the last survey on July 27<sup>th</sup>, prices decreased  $9.8 \notin$ /gallon (3.5%) to 269.8  $\notin$ /gallon for ULS heating oil, 11.3  $\notin$ /gallon (3.4%) to 318.8  $\notin$ /gallon for kerosene, and 3.4  $\notin$ /gallon (1.5%) to 228.5  $\notin$ /gallon for propane. Compared to a year earlier, prices decreased 114.2  $\notin$ /gallon (29.7%) for heating oil, 104.1  $\notin$ /gallon (24.6%) for kerosene and 60.4  $\notin$ /gallon (20.9%) for propane.

**Crude Oil Prices**—For the week ending 8/14/15, WTI crude oil spot prices averaged \$43.20/bbl, a decrease of \$1.74/bbl (3.9%) from the week-ago average of \$44.94/bbl. WTI prices are now \$53.97/bbl (55.5%) below the year-ago weekly average of \$97.17/bbl. The all-time weekly average high of \$142.52/bbl occurred on 7/04/08.

**Spot Natural Gas Prices**—For the week ending 8/14/15, Henry Hub natural gas spot prices averaged \$2.870 per million Btu (mmBtu), an increase of \$0.070/mmBtu (2.5%) from the prior week level of \$2.800/mmBtu. Prices are currently \$0.992/mmBtu (25.7%) below the year-earlier weekly average of \$3.862/mmBtu.



**Residential Natural Gas Prices**—The NYS average price in May 2015 was \$1.239/therm, an increase of \$0.246/therm (24.8%) from the prior month of \$0.993/therm, and was \$0.180/therm (12.7%) lower than the year earlier average of \$1.420/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	8/14/2015	8/7/2015	% Change vs. Last Week	Year Ago	% Change vs. Last Year	5-Year Average	% Change vs. 5- Year Avg			
ULS Distillate (0-15 ppm)	27.4	26.9	1.7%	18.3	49.5%	13.8	97.5%			
Non-road Diesel (15-500 ppm)	0.8	0.8	4.1%	0.3	131.7%	2.0	-60.3%			
High Sulfur Distillate ( >500 ppm)	5.2	6.0	-12.3%	4.0	30.6%	14.4	-63.8%			
Total Distillate Oil	33.4	33.6	-0.7%	22.7	47.4%	30.3	10.2%			
Propane	2.671	2.660	0.4%	3.419	-21.9%	2.608	2.4%			
#6 Residual Oil	6.3	6.5	-2.4%	5.7	11.4%	7.8	-18.6%			
US Natural Gas	3,030	2,977	1.8%	2,542	19.2%	2,950	2.7%			
US Crude Oil	456.2	453.6	0.6%	362.5	25.8%	358.5	27.3%			

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



REGION	8/17/2015	7/27/2015	% Change vs. Prior Survey	Year Ago	% Change vs. Last Year
Long Island	286.8	293.7	-2.3%	397.9	-27.9%
New York City	283.0	291.5	-2.9%	398.0	-28.9%
Lower Hudson	272.7	283.6	-3.8%	390.9	-30.2%
Upper Hudson	254.7	270.9	-6.0%	377.7	-32.6%
Capital District	258.3	268.0	-3.6%	368.2	-29.8%
North Country	264.2	271.9	-2.8%	372.5	-29.1%
Central	256.8	268.8	-4.5%	370.9	-30.8%
Western	267.2	272.5	-1.9%	376.3	-29.0%
Statewide	269.8	279.6	-3.5%	384.0	-29.7%
Ne	w York State Retail Propar	e Posted Credit Price	s - 1,100 gallon usage categor	y (cents per gallon)	
Long Island	298.0	298.0	0.0%	352.8	-15.5%
Mid-Hudson	237.2	246.1	-3.6%	299.0	-20.7%
Capital District	256.1	258.4	-0.9%	339.2	-24.5%
North Country	231.8	232.3	-0.2%	300.5	-22.9%
Central	204.5	206.1	-0.8%	263.6	-22.4%
Western	202.7	205.7	-1.5%	245.7	-17.5%
Statewide	228.5	231.9	-1.5%	288.9	-20.9%
	New York State	Retail Kerosene Post	ed Credit Prices (cents per ga	allon)	
Mid-Hudson	334.7	345.6	-3.2%	445.9	-24.9%
Capital District	310.3	322.8	-3.9%	412.5	-24.8%
North Country	315.5	318.1	-0.8%	407.4	-22.6%
Central	310.6	330.6	-6.0%	413.5	-24.9%
Western	305.8	315.7	-3.1%	411.5	-25.7%
Statewide	318.8	330.1	-3.4%	422.9	-24.6%
	New York St	ate Average Residenti	al Natural Gas Prices (\$/ther	<b>m</b> )	
REGION	May 2015	April 2015	% Change vs. Prior Month	May 2014	% Change vs. Last Year
Statewide	1.239	0.993	24.8%	1.420	-12.7%

\* Revision

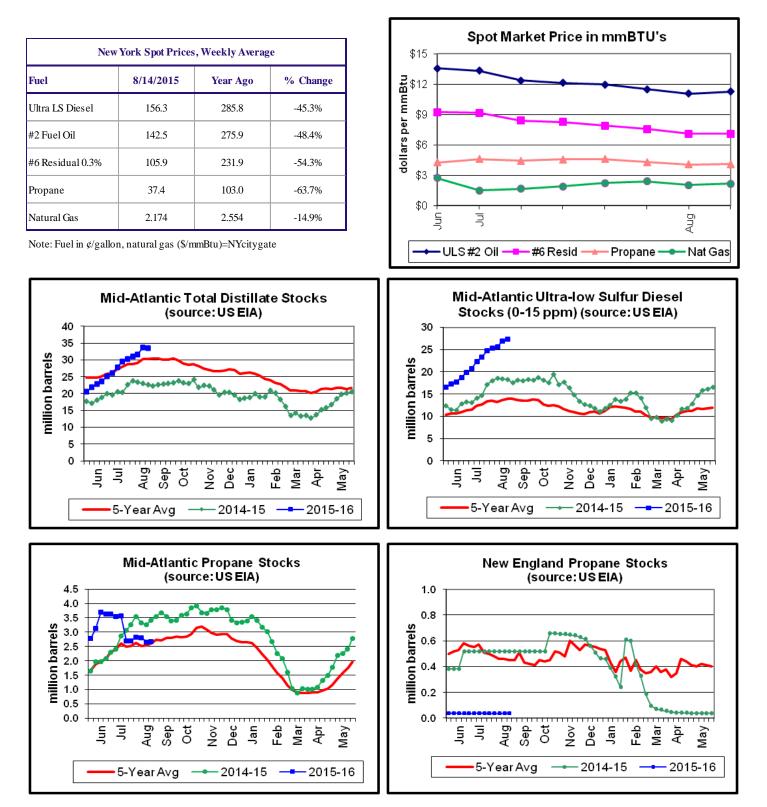
Historic Retail Prices—Statewide average high and low prices since Sept. 1997 for #2 & propane & Sept. 2000 for kerosene.

- 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, Schuyler, Seneca, Steuben, Wayne, Wyoming, and Yates counties. Propane & Kerosene: Mid-Hudson: Columbia, Dutchess, Greene, Orange, Putnam, Rockland, Sullivan, Ulster, and Westchester counties.

**Btu Price Equivalents**—The Btu 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.



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