## NYSERDA Heating Fuels Report

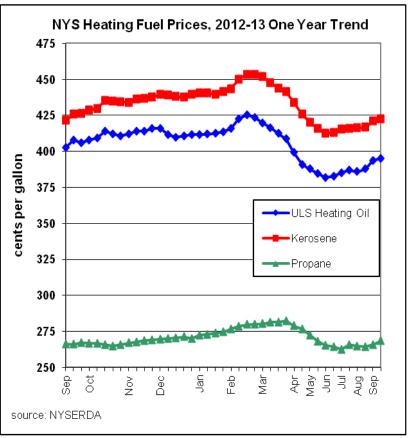
## **Highlights**

- Mid-Atlantic ultra-low sulfur distillate (ULSD) inventories have increased in 12 of the previous 15 weeks, increasing by 78.6% from 10.8 million barrels to 19.3 million barrels over that time. Mid-Atlantic ULSD inventories are now 124% above last year's levels and 95% above the 5-year average.
- Henry Hub natural gas spot prices have increased by 9.6% over the past four weeks.
- New York statewide average retail prices for ultra-low sulfur (ULS) heating oil, kerosene, and propane all increased from the last survey period.

**Retail Petroleum Prices**—On a statewide basis since the last survey on September 2nd, prices increased  $1.5\phi/gallon (0.4\%)$  to  $395.1\phi/gallon$  for ULS heating oil,  $1.3\phi/gallon (0.3\%)$  to  $422.5\phi/gallon$  for kerosene, and  $2.7\phi/gallon (1.0\%)$  to  $268.4\phi/gallon$  for propane. Compared to a year earlier, prices decreased  $7.4\phi/gallon (1.8\%)$  for heating oil while prices increased  $1.1\phi/gallon (0.3\%)$  for kerosene and  $2.3\phi/gallon (0.9\%)$  for propane.

**Crude Oil Prices**—For the week ending 9/6/13, WTI crude oil spot prices averaged \$108.77/bbl, an increase of \$0.44/bbl (0.4%) from the week-ago average of \$108.33/bbl. WTI prices are now \$13.09/bbl (13.7%) above the year-ago weekly average of \$95.68/bbl. The all-time weekly average high of \$142.52/bbl occurred on 7/03/08.

**Spot Natural Gas Prices**—For the week ending 9/6/13, Henry Hub natural gas spot prices averaged \$3.635 per million Btu (mmBtu), an increase of \$0.067/mmBtu (1.9%) from the prior week level of \$3.568/mmBtu. Prices are currently \$0.818/mmBtu (29.0%) above the year-earlier weekly average of \$2.818/mmBtu.



**Residential Natural Gas Prices**—The NYS average price in June 2013 was \$1.799/therm, an increase of \$0.241/therm (15.4%) from the prior month of \$1.558/therm, and was \$0.125/therm (7.5%) higher than the year earlier average of \$1.674/therm.

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

Middle Atlantic Region, Weekly Inventories (million barrels)									
<b>Fuel Туре</b>	9/6/2013	8/30/2013	% Change vs. Last Week	Year Ago	% Change vs. Last Year	5-Year Average	% Change vs. 5-Year Avg		
Highway Diesel (ULS) (0-15 ppm)	19.3	19.1	1.4%	8.6	123.9%	9.9	95.1%		
Non-road Diesel (15-500 ppm)	0.9	0.8	5.0%	0.7	25.9%	2.8	-68.6%		
Home Heating Oil ( >500 ppm)	5.6	5.8	-2.9%	15.4	-63.6%	22.8	-75.5%		
Propane	2.476	2.479	-0.1%	2.917	-15.1%	2.500	-1.0%		
#6 Residual Oil	6.2	6.8	-9.0%	5.9	5.9%	9.1	-31.8%		
US Natural Gas	3,253	3,188	2.0%	3,425	-5.0%	3,207	1.4%		
US Crude Oil	360.0	360.2	-0.1%	359.1	0.3%	340.2	5.8%		

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



<b>REGIO</b> N	9/9/2013	9/2/2013	% Change vs. Prior Survey	Year Ago	% Change vs. Last Year
Long Island	412.1	411.9	0.0%	420.2	-1.9%
New York City	414.5	414.4	0.0%	427.6	-3.1%
Lower Hudson	404.9	402.0	0.7%	413.0	-2.0%
Upper Hudson	385.1	384.0	0.3%	394.7	-2.4%
Capital District	381.8	380.9	0.2%	386.5	-1.2%
North Country	377.0	371.9	1.4%	382.7	-1.5%
Central	383.1	382.4	0.2%	389.8	-1.7%
Western	376.9	373.5	0.9%	378.0	-0.3%
Statewide	395.1	393.6	0.4%	402.5	-1.8%
New York S	tate Retail Propane P	osted Credit Prices	- 1,100 gallon usage o	category (cents pe	er gallon)
Long Island	324.5	322.8	0.5%	316.1	2.7%
Mid-Hudson	279.8	278.0	0.6%	272.9	2.5%
Capital District	304.1	296.6	2.5%	296.0	2.7%
North Country	292.5	290.1	0.8%	296.4	-1.3%
Central	239.5	236.6	1.2%	239.2	0.1%
Western	230.2	228.7	0.7%	232.9	-1.2%
Statewide	268.4	265.7	1.0%	266.1	0.9%
	New York State Re	tail Kerosene Poste	d Credit Prices (cents	per gallon)	
Mid-Hudson	439.6	438.1	0.3%	435.2	1.0%
Capital District	420.0	419.2	0.2%	421.9	-0.5%
North Country	405.1	403.5	0.4%	402.8	0.6%
Central	415.8	416.7	-0.2%	418.6	-0.7%
Western	414.0	409.9	1.0%	414.5	-0.1%
Statewide	422.5	421.2	0.3%	421.4	0.3%
	New York State	Average Residentia	al Natural Gas Prices	(\$/therm)	
REGIO N	June 2013	May 2013	% Change vs. Prior Month	June 2012	% Change vs. Last Year
Statewide	1.799	1.558	15.4%	1.674	7.5%

\* 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 325.4¢/gallon on 3/07/11, 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.

\$27

\$24

\$3 \$0

P

44 \$21 \$18 \$18 \$1 \$1 \$1 \$1

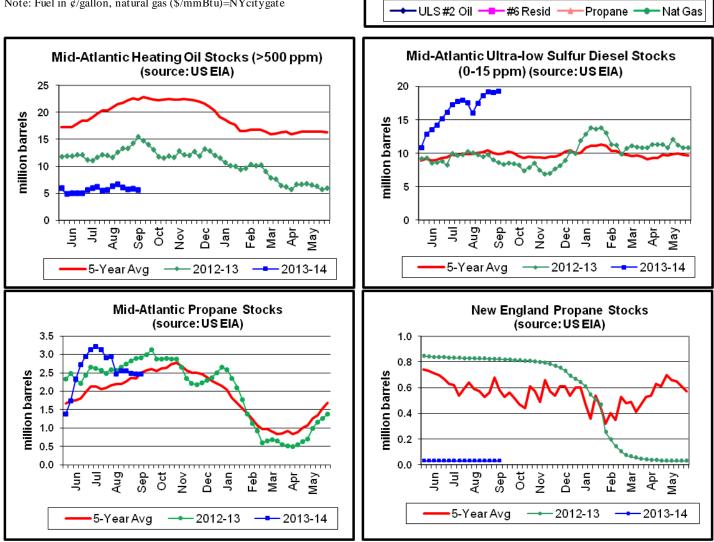
Spot Market Price in mmBTU's

Aug

Sep

New York Spot Prices, Weekly Average							
Fuel	9/6/2013	Year Ago	% Change				
Ultra LS Diesel	314.0	326.3	-3.7%				
#2 Fuel Oil	2 Fuel Oil 304.0		-2.9%				
#6 Residual 0.3%	245.1	275.8	-11.1%				
Propane	116.1	96.2	20.7%				
Natural Gas	3.691	3.016	22.4%				

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 cmw@nyserda.ny.gov.