## NYSERDA Heating Fuels Report

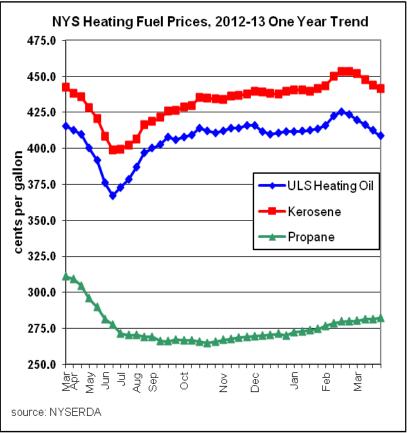
## **Highlights**

- New York statewide heating degree-days for the week ending March 23, 2013 were 317.5% above last year's level and 28.0% above the 30-year normal. Cumulative heating degree-days for the current year are ahead of last year by 17.2% but trail the normal trend by 6.6%.
- Henry Hub natural gas spot prices have increased by \$0.732/mmBtu or 22% over the previous five weeks.
- New York statewide average retail prices for ultra-low sulfur (ULS) heating oil and kerosene declined from last week while the average propane price increased since the last survey.

**Retail Petroleum Prices**—On a statewide basis since the last survey on March  $18^{th}$ , prices decreased  $3.8\phi/gallon (0.9\%)$  to  $408.6\phi/gallon$  for ULS heating oil,  $2.4\phi/gallon (0.5\%)$  to  $441.3\phi/gallon$  for kerosene, and the price increased  $1.2\phi/gallon (0.4\%)$  to  $282.5\phi/gallon$  for propane. Compared to a year earlier, prices decreased  $7.0\phi/gallon (1.7\%)$  for heating oil,  $1.2\phi/gallon (0.3\%)$  for kerosene and  $28.5\phi/gallon$ (9.2%) for propane.

**Crude Oil Prices**—For the week ending 3/22/13, WTI crude oil spot prices averaged \$93.05/bbl, an increase of \$0.35/bbl (0.4%) from the week-ago average of \$92.70/bbl. WTI prices are now \$13.36/bbl (12.6%) below the year-ago weekly average of \$106.41/bbl. The all-time weekly average high of \$142.52/bbl occurred on 7/03/08.

**Spot Natural Gas Prices**—For the week ending 3/22/13, Henry Hub natural gas spot prices averaged \$3.986 per million Btu (mmBtu), an increase of \$0.248/mmBtu (6.6%) from the prior week level of \$3.738/mmBtu. Prices are currently \$1.830/mmBtu (84.9%) above the year-earlier weekly average of \$2.156/mmBtu.



**Residential Natural Gas Prices**—The NYS average price in November 2012 was \$1.123/therm, a decrease of \$0.324/therm (22.4%) from the prior month of \$1.447/therm, and was \$0.239/therm (17.5%) lower than the year earlier average of \$1.362/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 Type</b>	3/22/2013	3/15/2013	% Change vs. Last Week	Year Ago	% Change vs. Last Year	5-Year Average	% Change vs. 5-Year Avg
Highway Diesel (ULS) (0-15 ppm)	10.9	10.9	-0.2%	9.5	14.4%	8.6	25.7%
Non-road Diesel (15-500 ppm)	0.6	0.7	-8.4%	1.3	-55.1%	2.5	-75.8%
Home Heating Oil ( >500 ppm)	6.4	7.6	-15.5%	15.9	-59.7%	17.1	-62.4%
Propane	0.549	0.648	-15.3%	1.210	-54.6%	0.910	-39.7%
#6 Residual Oil	7.5	6.5	15.9%	6.5	14.6%	9.4	-20.6%
US Natural Gas	1,781	1,876	-5.1%	2,423	-26.5%	1,720	3.5%
US Crude Oil	385.9	382.7	0.9%	353.4	9.2%	345.8	11.6%

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	3/25/2013	3/18/2013	% Change vs. Prior Survey	Year Ago	% Change vs. Last Year
Long Island	421.1	425.5	-1.0%	426.1	-1.2%
New York City	422.9	424.9	-0.5%	429.5	-1.5%
Lower Hudson	416.9	425.3	-2.0%	425.6	-2.0%
Upper Hudson	400.0	404.5	-1.1%	411.2	-2.7%
Capital District	396.5	401.5	-1.2%	405.4	-2.2%
North Country	397.0	397.6	-0.2%	407.9	-2.7%
Central	398.2	401.5	-0.8%	402.1	-1.0%
Western	397.7	398.8	-0.3%	400.2	-0.6%
Statewide	408.6	412.4	-0.9%	415.6	-1.7%
New York	State Retail Propane Po	osted Credit Prices	- 1,100 gallon usage	category (cents per	gallon)
Long Island	312.6	312.6	0.0%	327.8	-4.6%
Mid-Hudson	293.4	291.6	0.6%	311.3	-5.8%
Capital District	317.0	313.5	1.1%	348.1	-8.9%
North Country	309.3	309.1	0.1%	348.8	-11.3%
Central*	261.8	261.8	0.0%	287.0	-8.8%
Western	244.2	242.7	0.6%	284.6	-14.2%
State wide *	282.5	281.3	0.4%	311.0	-9.2%
	New York State Ret	ail Kerosene Poste	l Credit Prices (cen	ts per gallon)	
Mid-Hudson	455.5	459.4	-0.8%	453.8	0.4%
Capital District	437.3	441.2	-0.9%	444.2	-1.6%
North Country	427.7	426.6	0.3%	431.6	-0.9%
Central	438.7	441.5	-0.6%	437.8	0.2%
Western	432.9	433.8	-0.2%	433.4	-0.1%
Statewide	441.3	443.7	-0.5%	442.5	-0.3%
	New York State	Average Residentia	Natural Gas Prices	(\$/therm)	
REGIO N	November 2012	October 2012	% Change vs. Prior Month	November 2011	% Change vs. Last Year
Statewide	1.123	1.447	-22.4%	1.362	-17.5%

\* Revision

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

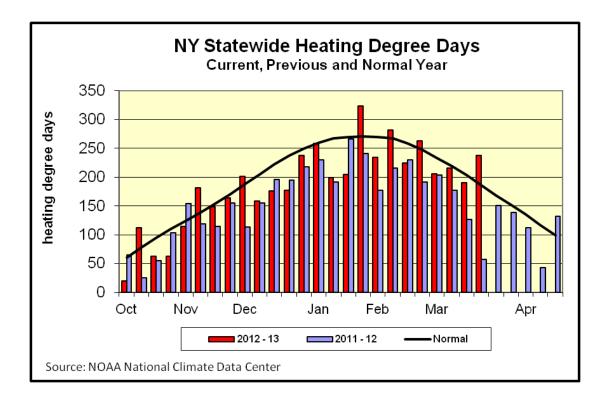
- Heating oil—highest price 477.8¢/gallon on 7/14/08, lowest price 87.6¢/gallon on 9/08/98.
- Propane—highest price 325.4¢/gallon on 3/07/11, lowest price 107.2¢/gallon on 9/20/99.
- Kerosene—highest price 506.8¢/gallon on 7/14/08, lowest price 130.9¢/gallon on 9/09/02.

**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.

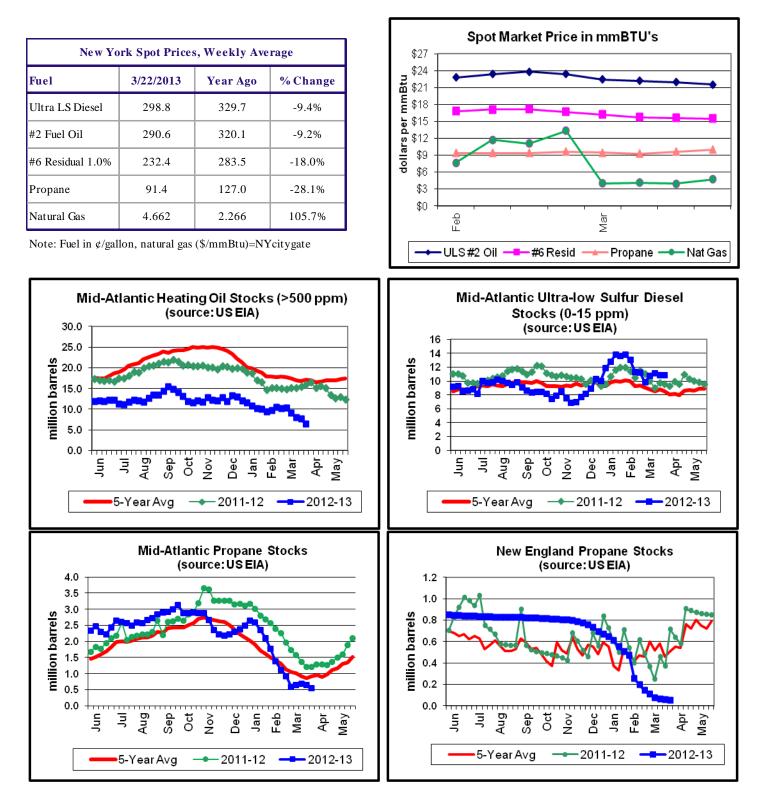
New York State Regions: Long Island: Nassau and Suffolk New York City: Bronx, Kings, New York, Queens, and Richmond Lower Hudson: Dutchess, Putnam, Rockland, and Westchester Upper Hudson: Columbia, Greene, Orange, Sullivan, and Ulster Capital District: Albany, Fulton Montgomery, Rensselaer, Saratoga, 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.

**Heating Degree Days**—On a statewide basis during the past week, the number of heating degree days (238) was 317.5% above the year-ago level of (57) and 28.0% above the normal trend (186). On a cumulative basis, current year heating degree days (4,655) are ahead of the year-ago level (3,972) by 17.2% and trail the normal trend (4,986) by 6.6%.

New York State Heating Degree Day Information, Weekly & Cumulative							
Week Ending March 23				Cumulative From October 1			
Region	2013	2012	Normal	2012-13	2011-12	Normal	
Albany	264	39	190	5,193	4,425	5,318	
Binghamton	276	32	215	5,525	4,967	6,121	
Buffalo	254	13	208	4,994	4,271	5,381	
Glens Falls	273	81	217	5,680	4,911	6,092	
Massena	286	67	240	6,164	5,403	6,569	
NYC	198	55	152	3,791	3,104	4,040	
Rochester	257	17	206	4,933	4,320	5,411	
Syracuse	245	23	206	5,028	4,205	5,503	
Watertown	252	57	228	5,494	4,778	6,116	
Statewide	238	57	186	4,655	3,972	4,986	



**Btu Price Equivalents**—The Btu graph equates the spot market price, in table below, for NY Harbor ultra-low sulfur diesel fuel and 1.0% sulfur low 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>cmw@nyserda.ny.gov</u>.