NYSERDA Heating Fuels Report

September 7, 2015

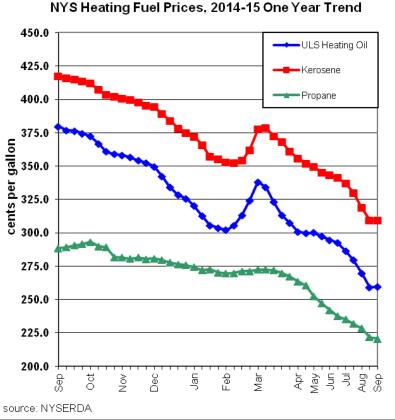
Highlights

- The weekly average U.S. WTI crude oil spot price increased for the first time since June, increasing by 14.7% to \$46.73 per barrel but remains 50.3% below the year-ago weekly average.
- Mid-Atlantic ultra-low sulfur diesel stocks increased for the twenty-third week in a row to 30.2 million barrels and are 68.5% above last year's level.
- The New York statewide average retail price for ultra-low sulfur (ULS) heating oil increased for the first time since May while the kerosene price remained the same, and the propane price decreased since the last survey.

Retail Petroleum Prices—On a statewide basis since the last survey on August 31^{st} , the price increased $0.7 \notin/gallon (0.3\%)$ to $259.7 \notin/gallon$ for ULS heating oil, while the price remained the same at $309.5 \notin/gallon$ for kerosene, and the price decreased $1.1 \notin/gallon$ (0.5%) to $220.6 \notin/gallon$ for propane. Compared to a year earlier, prices decreased $120.1 \notin/gallon (31.6\%)$ for heating oil, $108.1 \notin/gallon (25.9\%)$ for kerosene and $67.8 \notin/gallon (23.5\%)$ for propane.

Crude Oil Prices—For the week ending 9/4/15, WTI crude oil spot prices averaged \$46.73/bbl, an increase of \$6.00/bbl (14.7%) from the week-ago average of \$40.73/bbl. WTI prices are now \$47.33/bbl (50.3%) below the year-ago weekly average of \$94.06/bbl. The all-time weekly average high of \$142.52/bbl occurred on 7/04/08.

Spot Natural Gas Prices—For the week ending 9/4/15, Henry Hub natural gas spot prices averaged \$2.702 per million Btu (mmBtu), an increase of \$0.022/mmBtu (0.8%) from the prior week level of \$2.680/mmBtu. Prices are currently \$1.216/mmBtu (31.0%) below the year-earlier weekly average of \$3.918/mmBtu.



Residential Natural Gas Prices—The NYS average price in June 2015 was \$1.601/therm, an increase of \$0.361/therm (29.1%) from the prior month of \$1.240/therm, and was \$0.150/therm (8.6%) lower than the year earlier average of \$1.751/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	9/4/2015	8/28/2015	% Change vs. Last Week	Year Ago	% Change vs. Last Year	5-Year Average	% Change vs. 5- Year Avg	
ULS Distillate (0-15 ppm)	30.2	29.5	2.4%	17.9	68.5%	13.7	120.3%	
Non-road Diesel (15-500 ppm)	1.3	0.9	44.0%	0.6	105.9%	1.9	-31.4%	
High Sulfur Distillate (>500 ppm)	5.1	5.4	-5.6%	4.2	20.9%	14.9	-66.0%	
Total Distillate Oil	36.6	35.7	2.3%	22.7	60.8%	30.5	19.8%	
Propane	3.154	2.933	7.5%	3.548	-11.1%	2.809	12.3%	
#6 Residual Oil	6.1	6.0	1.2%	5.6	8.8%	7.5	-19.7%	
US Natural Gas	3,261	3,193	2.1%	2,788	17.0%	3,134	4.1%	
US Crude Oil	458.0	455.4	0.6%	358.6	27.7%	356.3	28.5%	

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	9/7/2015	8/31/2015	% Change vs. Prior Survey	Year Ago	% Change vs. Last Year
Long Island	276.8	277.5	-0.3%	394.3	-29.8%
New York City	277.0	270.5	2.4%	393.9	-29.7%
Lower Hudson	261.8	266.2	-1.7%	387.3	-32.4%
Upper Hudson	246.7	246.6	0.0%	372.3	-33.7%
Capital District	246.7	245.9	0.3%	365.8	-32.6%
North Country	254.1	253.9	0.1%	367.7	-30.9%
Central	237.5	234.4	1.3%	365.6	-35.0%
Western	259.8	261.3	-0.6%	372.8	-30.3%
Statewide	259.7	259.0	0.3%	379.8	-31.6%
Ne	w York State Retail Propan	e Posted Credit Price	s - 1,100 gallon usage catego	ry (cents per gallon))
Long Island	274.5	286.0	-4.0%	353.0	-22.2%
Mid-Hudson	227.1	226.5	0.3%	298.2	-23.8%
Capital District	230.2	230.7	-0.2%	345.3	-33.3%
North Country	227.2	231.0	-1.6%	297.0	-23.5%
Central	198.6	198.2	0.2%	263.5	-24.6%
Western	202.5	200.7	0.9%	243.1	-16.7%
Statewide	220.6	221.7	-0.5%	288.4	-23.5%
	New York State	Retail Kerosene Post	ed Credit Prices (cents per g	allon)	
Mid-Hudson	329.2	329.0	0.1%	437.0	-24.7%
Capital District	299.0	298.2	0.3%	413.2	-27.6%
North Country	307.9	306.3	0.5%	402.7	-23.5%
Central	293.8	295.6	-0.6%	408.3	-28.0%
Western	298.0	299.1	-0.4%	406.2	-26.6%
Statewide	309.5	309.5	0.0%	417.6	-25.9%
	New York St	ate Average Residenti	al Natural Gas Prices (\$/ther	m)	
REGION	June 2015	May 2015	% Change vs. Prior Month	June 2014	% Change vs. Last Year
Statewide	1.601	1.240	29.1%	1.751	-8.6%

* 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.

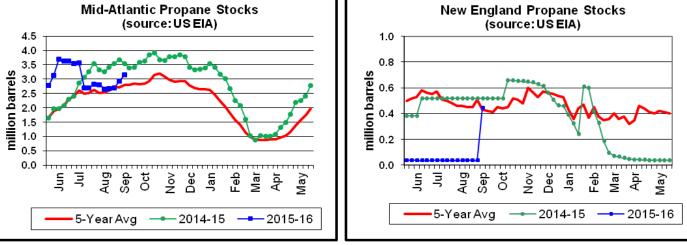
Btu Price Equivalents-The Btu graph equates the spot market price, in table below, for NY Harbor ultra-low sulfur diesel fuel and 0.3% sulfur high pour #6 residual fuel, Mont Belvieu propane, and the New York City gate natural gas price on a dollar per million Btu (mmBtu) basis.

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Nat Gas

New	York Spot Price	s, Weekly Averag	ge	Spot Market Price in mmBTU's
Fuel	9/4/2015	Year Ago	% Change	₫\$12
Ultra LS Diesel	159.1	282.5	-43.7%	E \$9
#2 Fuel Oil	147.6	271.5	-45.6%	S \$6
#6 Residual 0.3%	109.2	232.0	-52.9%	\$9 \$6 \$3
Propane	43.4	104.0	-58.3%	
Natural Gas	2.684	2.552	5.2%	\$0 -
40 35 30 25 20 15 10 5 0	,***********			Stocks (0-15 ppm) (source: US EIA)
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	Mid-Atlanti	c Propane S	tocks	New England Propane Stocks



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.