## NYSERDA Heating Fuels Report

## September 7, 2015

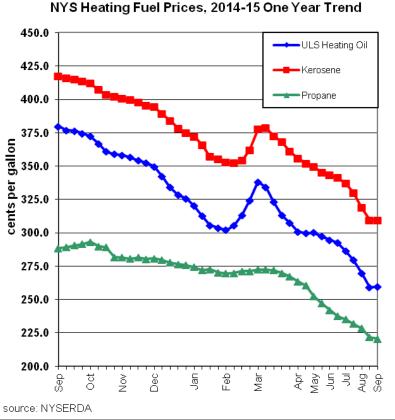
## **Highlights**

- 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.

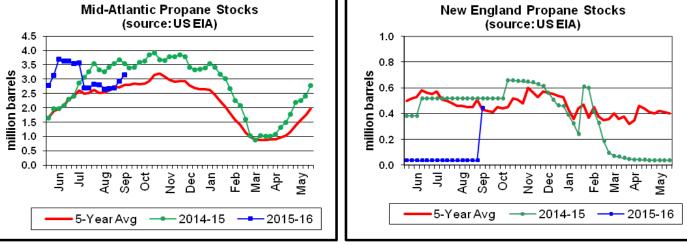
Btu Price Equivalents-The Btu graph equates the spot market price, in table below, for NY Harbor ultra-low sulfur diesel fuel and 0.3% sulfur high pour #6 residual fuel, Mont Belvieu propane, and the New York City gate natural gas price on a dollar per million Btu (mmBtu) basis.

ſ

ua V:

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%	<b>S</b> \$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 <del>  -                                  </del>
40 35 30 25 20 15 10 5 0	,***********			Stocks (0-15 ppm) (source: US EIA)
	4 0 0	≥ 2014-15	A B A B A B A B A B A B A B A B A B A B	ਸੁੱਸੇ ਦੇ ਹੈ ਨੇ ਦੇ ਦੇ ਦੇ ਦੇ ਨੇ 5-YearAvg2014-152015-16
	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.