NYSERDA Heating Fuels Report

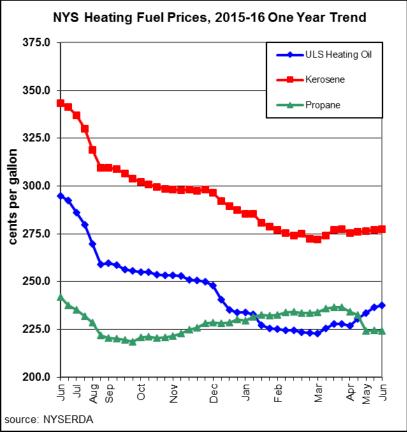
Highlights

- Mid-Atlantic ultra-low sulfur distillate inventories increased by 1.0 million barrels since last week and are now 53.3% above the year-ago level.
- U.S. crude oil inventories decreased by 900,000 barrels since last week to 531.5 million barrels and are now 63.6 million barrels (13.6%) above last year's level of 467.9 million barrels.
- New York statewide average retail prices for ultra-low sulfur (ULS) heating oil and kerosene increased while the average propane price decreased since the last survey.

Retail Petroleum Prices—On a statewide basis since the last survey on May 30th, prices increased $0.8\phi/gallon (0.3\%)$ to $237.5\phi/gallon$ for ULS heating oil, $0.5\phi/gallon (0.2\%)$ to $277.5\phi/gallon$ for kerosene, and the price decreased $0.5\phi/gallon (0.2\%)$ to $224.1\phi/gallon$ for propane. Compared to a year earlier, prices decreased $57.2\phi/gallon (19.4\%)$ for heating oil, $65.8\phi/gallon (19.2\%)$ for kerosene and $17.9\phi/gallon$ (7.4%) for propane.

Crude Oil Prices—For the week ending 6/10/16, WTI crude oil spot prices averaged \$50.18/bbl, an increase of \$1.18/bbl (2.4%) from the week-ago average of \$49.00/bbl. WTI prices are now \$9.89/bbl (16.5%) below the year-ago weekly average of \$60.07/bbl. The all-time weekly average high of \$142.52/bbl occurred on 7/04/08.

Spot Natural Gas Prices—For the week ending 6/10/16, Henry Hub natural gas spot prices averaged \$2.326 per million Btu (mmBtu), an increase of \$0.078/mmBtu (3.5%) from the prior week level of \$2.248/mmBtu. Prices are currently \$0.484/mmBtu (17.2%) below the year-earlier weekly average of \$2.810/mmBtu.



Residential Natural Gas Prices—The NYS average price in March 2016 was \$0.939/therm, an increase of \$0.020/therm (2.1%) from the prior month of \$0.919/therm, and was \$0.030/therm (3.3%) higher than the year earlier average of \$0.909/therm.

Middle Atlantic Stocks-Current and historic heating fuel inventory data is presented in the table below.
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Middle Atlantic Region, Weekly Inventories (million barrels)							
Fuel Type	6/10/2016	6/3/2016	% Change vs. Last Week	Year Ago	% Change vs. Last Year	5-Year Average	% Change vs. 5- Year Avg
ULS Distillate (0-15 ppm)	28.7	27.7	3.9%	18.7	53.3%	12.9	123.2%
Non-road Diesel (15-500 ppm)	1.0	0.9	8.3%	1.0	-2.6%	1.1	-9.5%
High Sulfur Distillate (>500 ppm)	3.8	3.2	18.4%	3.8	1.1%	8.4	-54.8%
Total Distillate Oil	33.6	31.8	5.5%	23.6	42.5%	22.4	49.5%
Propane	1.910	3.645	-47.6%	2.526	-24.4%	1.508	26.7%
#6 Residual Oil	7.3	6.9	5.9%	6.0	22.0%	6.2	18.0%
US Natural Gas	3,041	2,972	2.3%	2,408	26.3%	2,337	30.1%
US Crude Oil	531.5	532.5	-0.2%	467.9	13.6%	399.9	32.9%

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	6/13/2016	5/30/2016	% Change vs. Prior Survey	Year Ago	% Change vs. Last Year
Long Island	261.6	259.2	0.9%	307.0	-14.8%
New York City	256.8	255.0	0.7%	312.9	-17.9%
Lower Hudson	245.5	243.4	0.9%	302.3	-18.8%
Upper Hudson	226.5	224.1	1.1%	284.8	-20.5%
Capital District	218.8	219.4	-0.3%	281.0	-22.1%
North Country	222.1	221.7	0.2%	278.5	-20.3%
Central	211.6	214.3	-1.3%	282.0	-25.0%
Western	228.7	231.5	-1.2%	291.2	-21.5%
Statewide	237.5	236.7	0.3%	294.7	-19.4%
Ne	w York State Retail Propa	ne Posted Credit Prices	- 1,100 gallon usage catego	ry (cents per gallon)	
Long Island	280.7	279.5	0.4%	300.6	-6.6%
Mid-Hudson	223.3	220.6	1.2%	259.2	-13.9%
Capital District	234.9	233.8	0.5%	260.9	-10.0%
North Country	257.7	260.2	-1.0%	251.0	2.7%
Central*	197.2	200.4	-1.6%	215.5	-8.5%
Western	202.7	203.2	-0.2%	214.2	-5.4%
Statewide*	224.1	224.6	-0.2%	242.0	-7.4%
	New York State	e Retail Kerosene Poste	d Credit Prices (cents per g	allon)	
Mid-Hudson	293.1	289.5	1.2%	359.2	-18.4%
Capital District	270.9	271.5	-0.2%	334.3	-19.0%
North Country	286.4	286.8	-0.1%	331.3	-13.6%
Central	258.5	260.4	-0.7%	342.4	-24.5%
Western	262.2	263.8	-0.6%	331.6	-20.9%
Statewide	277.5	277.0	0.2%	343.3	-19.2%
	New York St	ate Average Residentia	l Natural Gas Prices (\$/ther	m)	
REGION	March 2016	February 2016	% Change vs. Prior Month	March 2015	% Change vs. Last Year
Statewide	0.939	0.919	2.1%	0.909	3.3%

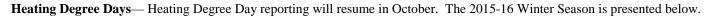
* Revision

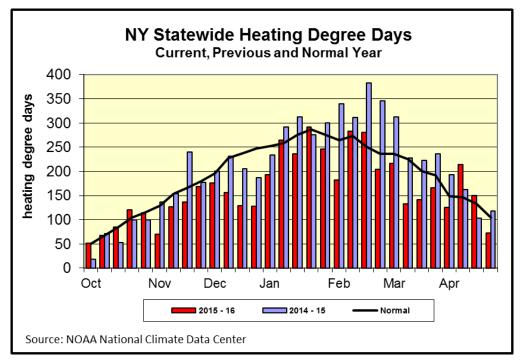
Historic Retail Prices—Statewide average high and low prices since Sept. 1997 for #2 & propane & Sept. 2000 for kerosene.

- 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.

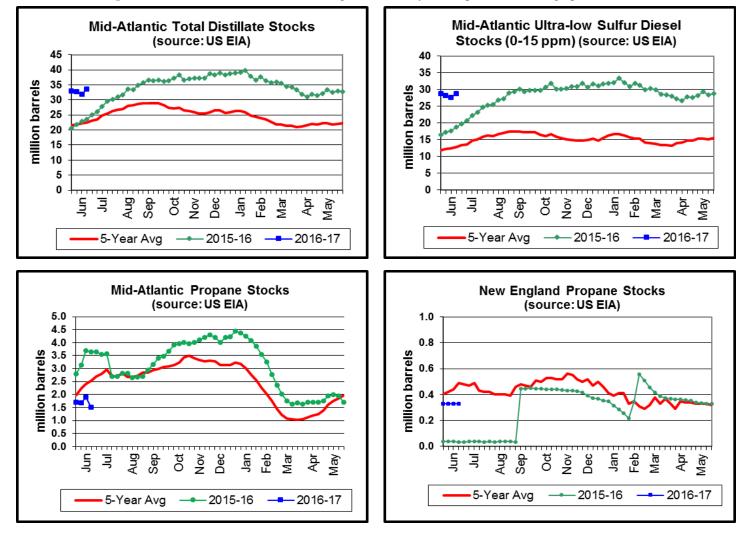
Residential Natural Gas Prices: Statewide average prices are derived from US EIA most currently available data. NYS gas utility specific prices can be found on the NYS DPS website at http://www.dps.ny.gov/TypicalBills.htm#GasRes.

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.

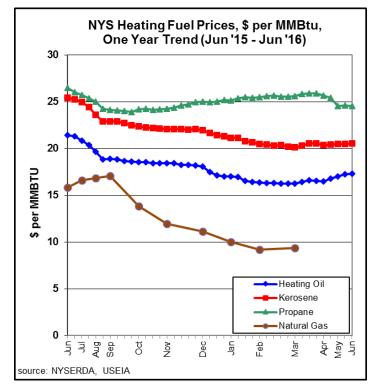




Distillate and Propane Stocks—Current and historic heating fuel inventory data is presented in the graphs below.

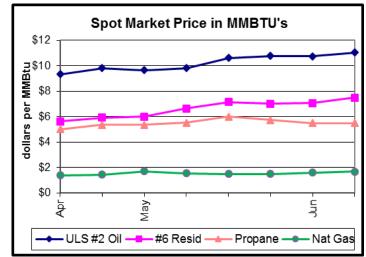


Retail Btu Price Equivalents—The New York State Heating Fuel Prices Btu graph equates the retail price for New York Statewide average residential ultra-low sulfur heating oil, kerosene, propane, and natural gas on a dollar per million Btu (MMBtu) basis.



Note: Natural gas prices are from the U.S. EIA and provided on a monthly basis and delayed by 3 months.

Spot Btu Price Equivalents—The Btu spot market 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.



New York Spot Prices, Weekly Average						
Fuel	6/10/2016	Year Ago	% Change			
Ultra LS Diesel	153.1	190.2	-19.5%			
#2 Fuel Oil	145.8	177.6	-17.9%			
#6 Residual 0.3%	112.1	138.8	-19.3%			
Propane	50.0	39.2	27.8%			
Natural Gas	1.685	2.275	-25.9%			

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 <u>Charles.Wesley@nyserda.ny.gov.</u>