

# NYSERDA HEATING FUELS REPORT

## July 13, 2009

### Highlights

- Retail prices for heating oil, kerosene and propane all reached their historic highs one year ago this week.
- Heating oil inventories in the Mid-Atlantic Region are 75.5% above their levels last year.
- The average weekly spot natural gas price at Henry Hub is 73.4% below the year earlier price.

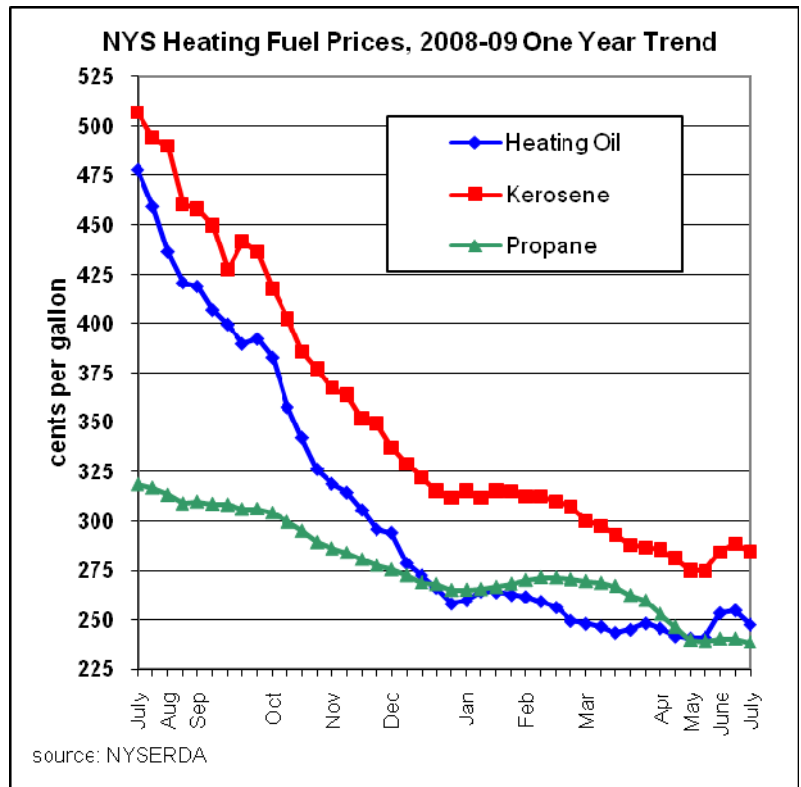
**Retail Petroleum Prices** – On a statewide basis since the last survey on June 29<sup>th</sup>, prices decreased 7.2¢/gallon (2.8%) to 247.5¢/gallon for heating oil, 4.0¢/gallon (1.4%) to 284.5¢/gallon for kerosene, and 1.9¢/gallon (0.8%) to 238.4¢/gallon for propane. Compared to a year earlier, prices fell 230.3¢/gallon (48.2%) for heating oil, 222.3¢/gallon (43.9%) for kerosene, and 80.1¢/gallon (25.1%) for propane.

**Crude Oil Prices** – For the week ending 7/10/09, WTI crude oil spot prices averaged \$61.48/bbl, a decrease of \$7.84/bbl (11.3%) from the week-ago average of \$69.32/bbl. WTI prices are now \$78.47/bbl (56.1%) below the year-ago weekly average of \$139.95/bbl. The all-time weekly average high of \$142.52/bbl occurred on 7/03/08.

**Spot Natural Gas Prices** – For the week ending 7/10/09, Henry Hub natural gas spot prices averaged \$3.266 per million Btu (mmBtu), a decrease of \$0.397/mmBtu (10.8%) from the prior week level of \$3.663/mmBtu. Prices are currently \$9.028/mmBtu (73.4%) below the year-earlier weekly average of \$12.294/mmBtu.

**Residential Natural Gas Prices** – The NYS average price in April 2009 was \$1.384/therm, a decrease of \$0.041/therm (2.9%) from the prior month of \$1.425/therm, and was \$0.188/therm (12.0%) lower than the year earlier average of \$1.572/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  | 7/10/09 | 7/3/09 | % Change vs. Last Week | Year Ago | % Change vs. Last Year | 5-Year Average | % Change vs. 5-Year Avg |
| Highway Diesel (0-15 ppm)                                    | 10.0    | 10.6   | -5.7%                  | 8.3      | 20.5%                  | N/A            | N/A                     |
| Non-road Diesel (15-500 ppm)                                 | 5.0     | 5.0    | 0.0%                   | 3.5      | 42.9%                  | 5.5            | -9.1%                   |
| Home Heating Oil (>500 ppm)                                  | 24.4    | 24.0   | 1.7%                   | 13.9     | 75.5%                  | 16.6           | 47.0%                   |
| Propane  | 1.971   | 2.091  | -5.7%                  | 1.783    | 10.5%                  | 2.020          | -2.4%                   |
| #6 Residual Oil  | 11.1    | 11.6   | -4.3%                  | 11.7     | -5.1%                  | 11.2           | -0.9%                   |
| US Natural Gas   | 2,886   | 2,796  | 3.2%                   | 2,297    | 25.6%                  | 2,432          | 18.7%                   |
| US Crude Oil   | 344.5   | 347.3  | -0.8%                  | 296.9    | 16.0%                  | 321.5          | 7.2%                    |

ppm = parts per million sulfur content  
Notes: Natural Gas in billion cubic feet (Bcf), Middle Atlantic is DE, DC, MD, NJ, NY, and PA  
Source: US DOE/EIA

| <b>New York State Retail #2 Heating Oil Posted Credit Prices (cents per gallon)</b> |                   |                   |                                  |                   |                               |
|---|-------------------|-------------------|----------------------------------|-------------------|-------------------------------|
| <b>REGION</b>   | <b>7/13/09</b>    | <b>6/29/09</b>    | <b>% Change vs. Prior Survey</b> | <b>Year Ago</b>   | <b>% Change vs. Last Year</b> |
| Long Island   | 261.5             | 269.7             | -3.0%                            | 493.0             | -47.0%                        |
| New York City   | 272.1             | 278.6             | -2.3%                            | 492.2             | -44.7%                        |
| Lower Hudson  | 252.1             | 261.8             | -3.7%                            | 488.4             | -48.4%                        |
| Upper Hudson  | 242.0             | 251.6             | -3.8%                            | 480.0             | -49.6%                        |
| Capital District  | 234.2             | 246.1             | -4.8%                            | 462.1             | -49.3%                        |
| North Country   | 247.8             | 250.1             | -0.9%                            | 467.9             | -47.0%                        |
| Central   | 228.3             | 235.6             | -3.1%                            | 460.2             | -50.4%                        |
| Western   | 231.9             | 231.1             | 0.3%                             | 460.7             | -49.7%                        |
| <b>Statewide</b>  | <b>247.5</b>      | <b>254.7</b>      | <b>-2.8%</b>                     | <b>477.8</b>      | <b>-48.2%</b>                 |
| <b>New York State Retail Propane Posted Credit Prices (cents per gallon)</b>        |                   |                   |                                  |                   |                               |
| Long Island   | 289.8             | 289.8             | 0.0%                             | 336.4             | -13.9%                        |
| Mid-Hudson  | 238.3             | 240.6             | -1.0%                            | 320.0             | -25.5%                        |
| Capital District  | 286.6             | 287.5             | -0.3%                            | 356.9             | -19.7%                        |
| North Country   | 240.8             | 239.7*            | 0.5%                             | 337.6             | -28.7%                        |
| Central   | 209.0             | 211.4             | -1.1%                            | 295.7             | -29.3%                        |
| Western   | 231.9             | 237.2             | -2.2%                            | 301.9             | -23.2%                        |
| <b>Statewide</b>  | <b>238.4</b>      | <b>240.3*</b>     | <b>-0.8%</b>                     | <b>318.5</b>      | <b>-25.1%</b>                 |
| <b>New York State Retail Kerosene Posted Credit Prices (cents per gallon)</b>       |                   |                   |                                  |                   |                               |
| Mid-Hudson  | 302.8             | 309.4             | -2.1%                            | 524.1             | -42.2%                        |
| Capital District  | 281.9             | 290.3             | -2.9%                            | 504.5             | -44.1%                        |
| North Country   | 285.9             | 286.0             | 0.0%                             | 502.5             | -43.1%                        |
| Central   | 267.8             | 271.3             | -1.3%                            | 494.9             | -45.9%                        |
| Western   | 268.7             | 267.7*            | 0.4%                             | 497.3             | -46.0%                        |
| <b>Statewide</b>  | <b>284.5</b>      | <b>288.5*</b>     | <b>-1.4%</b>                     | <b>506.8</b>      | <b>-43.9%</b>                 |
| <b>New York State Average Residential Natural Gas Prices (\$/therm)</b>             |                   |                   |                                  |                   |                               |
| <b>REGION</b>   | <b>April 2009</b> | <b>March 2009</b> | <b>% Change vs. Prior Month</b>  | <b>April 2008</b> | <b>% Change vs. Last Year</b> |
| <b>Statewide</b>  | <b>1.384</b>      | <b>1.425</b>      | <b>-2.9%</b>                     | <b>1.572</b>      | <b>-12.0%</b>                 |

\* **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 318.5¢/gallon on 7/14/08, 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.

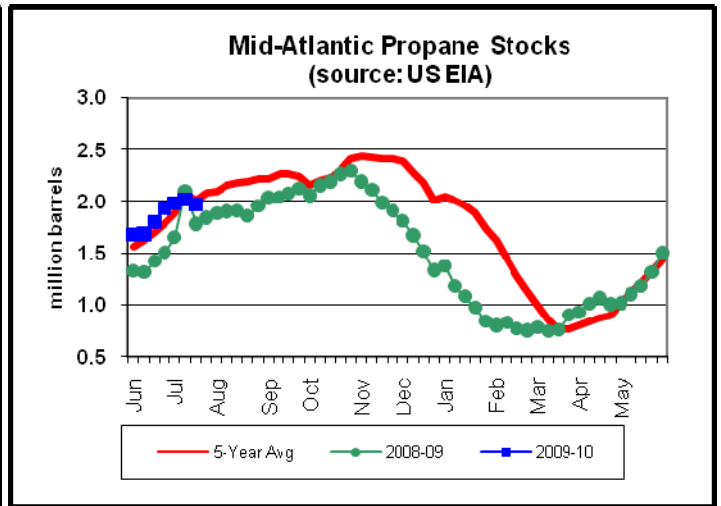
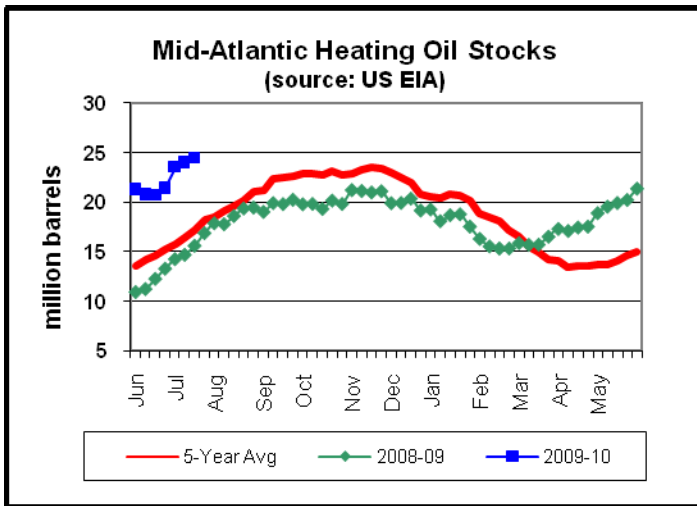
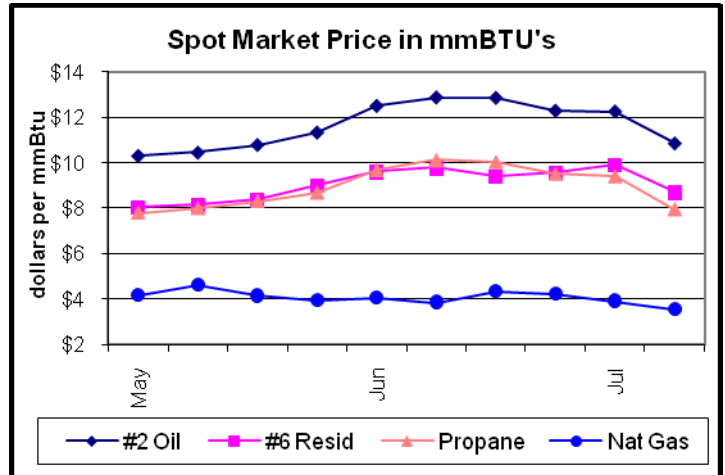
**Residential Natural Gas Prices:** Statewide average prices are derived from US EIA most currently available data. NYS gas utility specific prices can be found on the NYS DPS website at <http://www.dps.state.ny.us/TypicalBills.htm#GasRes>.

**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 #2 heating oil 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.

| New York Spot Prices, Weekly Average |         |          |          |
|--------------------------------------|---------|----------|----------|
| Fuel                                 | 7/10/09 | Year Ago | % Change |
| Low-Sulfur Diesel                    | 155.4   | 395.7    | -60.7%   |
| #2 Fuel Oil                          | 150.3   | 391.8    | -61.6%   |
| #6 Residual 1.0%                     | 130.4   | 375.5    | -65.3%   |
| Propane                              | 68.5    | 193.7    | -64.6%   |
| Natural Gas                          | 3.564   | 13.258   | -73.1%   |

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@nyserdera.org](mailto:cmw@nyserdera.org).