

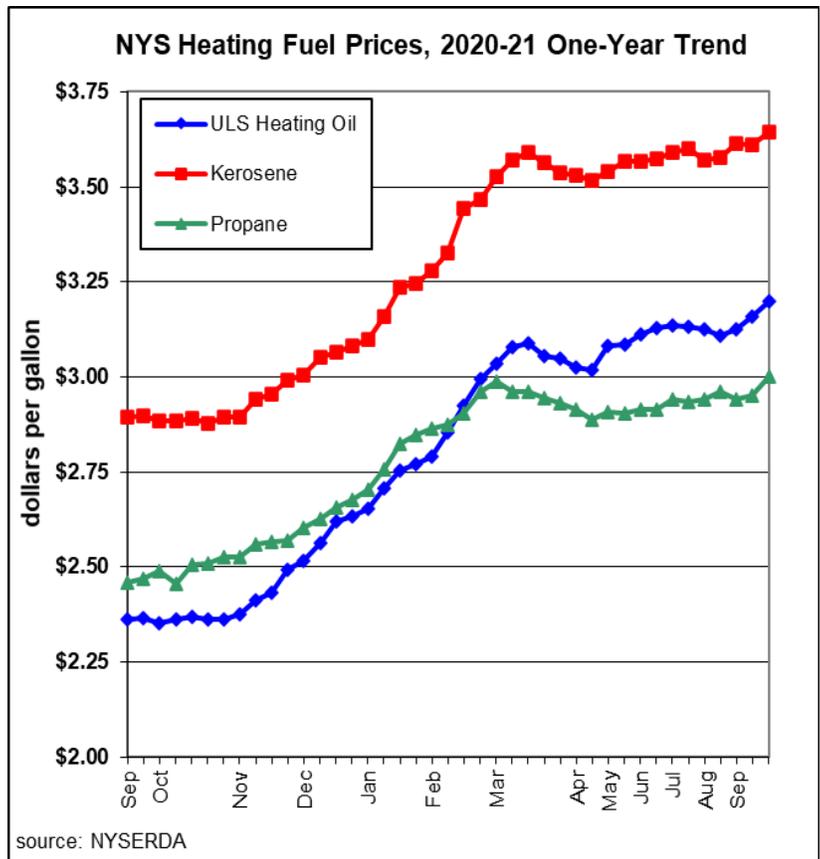
Highlights

- The weekly average Henry Hub natural gas spot price increased by \$0.508/MMBtu (10.5%) since last week to \$5.366/MMBtu and the price is currently \$3.424/MMBtu (176.3%) above the year-ago price of \$1.942/MMBtu. This is the highest weekly average Henry Hub natural gas spot price since February 2014.
- The weekly average U.S. WTI crude oil spot price increased \$2.71 per barrel (3.9%) since last week to \$71.69 per barrel. Current prices are \$32.14 per barrel (81.3%) above the year-ago weekly average of \$39.55 per barrel.
- New York Statewide average retail prices of ultra-low sulfur (ULS) heating oil, kerosene, and propane all increased since the last survey.

Retail Petroleum Prices—On a statewide basis since the last survey on September 13th, prices increased \$0.042/gallon (1.3%) to \$3.200/gallon for ULS heating oil, \$0.034/gallon (0.9%) to \$3.644/gallon for kerosene, and \$0.052/gallon (1.8%) to \$3.002/gallon for propane. Compared to a year earlier, prices increased \$0.839/gallon (35.5%) for heating oil, \$0.750/gallon (25.9%) for kerosene, and \$0.542/gallon (22.0%) for propane.

Crude Oil Prices—For the week ending 9/17/2021, WTI crude oil spot prices averaged \$71.69/bbl, an increase of \$2.71/bbl (3.9%) from the week-ago average of \$68.98/bbl. WTI prices are now \$32.14/bbl (81.3%) above the year-ago weekly average of \$39.55/bbl. The all-time weekly average high of \$142.52/bbl occurred on 7/04/08.

Spot Natural Gas Prices—For the week ending 9/17/2021, Henry Hub natural gas spot prices averaged \$5.366 per million Btu (MMBtu), an increase of \$0.508/MMBtu (10.5%) from the prior week level of \$4.858/MMBtu. Prices are currently \$3.424/MMBtu (176.3%) above the year-earlier weekly average of \$1.942/MMBtu.



Residential Natural Gas Prices—The NYS average price in June 2021 was \$1.701/therm, an increase of \$0.257/therm (17.8%) from the May 2021 price of \$1.444/therm, and was \$0.146/therm (9.4%) higher than the year earlier average of \$1.555/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	9/17/2021	9/10/2021	% Change vs. Last Week	Year Ago	% Change vs. Last Year	5-Year Average	% Change vs. 5-Year Avg
ULS Distillate (0-15 ppm)	19.2	20.3	-5.3%	34.4	-44.2%	27.3	-29.7%
Non-road Diesel (15-500 ppm)	0.4	0.4	-0.2%	0.8	-49.0%	1.1	-62.1%
High Sulfur Distillate (>500 ppm)	2.0	1.9	3.0%	2.0	1.0%	2.3	-11.6%
Total Distillate Oil	21.6	22.6	-4.5%	37.2	-41.9%	30.7	-29.6%
Propane	5.327	5.657	-5.8%	5.650	-5.7%	5.090	4.6%
#6 Residual Oil	4.3	5.4	-20.2%	7.1	-40.0%	6.3	-31.7%
US Natural Gas	3,082	3,006	2.5%	3,671	-16.0%	3,311	-6.9%
US Crude Oil	414.0	417.4	-0.8%	494.4	-16.3%	451.0	-8.2%

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



New York State Retail ULS #2 Heating Oil Posted Credit Prices (dollars per gallon)					
REGION	9/20/2021	9/13/2021	% Change vs. Prior Survey	Year Ago	% Change vs. Last Year
Long Island	3.378	3.305	2.2%	2.520	34.1%
New York City	3.409	3.380	0.9%	2.502	36.3%
Lower Hudson	3.168	3.139	0.9%	2.337	35.5%
Upper Hudson	3.070	3.049	0.7%	2.187	40.4%
Capital District	2.954	2.906	1.6%	2.161	36.7%
North Country	3.098	3.062	1.2%	2.375	30.4%
Central	2.955	2.925	1.0%	2.108	40.2%
Western	3.468	3.404	1.9%	2.690	28.9%
Statewide	3.200	3.158	1.3%	2.361	35.5%
New York State Retail Propane Posted Credit Prices - 1,100 gallon usage category (dollars per gallon)					
Long Island	3.528	3.509	0.5%	3.034	16.3%
Mid-Hudson	3.185	3.140	1.4%	2.640	20.6%
Capital District	2.870	2.801	2.5%	2.309	24.3%
North Country	3.143	3.074	2.2%	2.569	22.4%
Central	2.818	2.771	1.7%	2.334	20.7%
Western	2.807	2.750	2.1%	2.225	26.1%
Statewide	3.002	2.950	1.8%	2.460	22.0%
New York State Retail Kerosene Posted Credit Prices (dollars per gallon)					
Mid-Hudson	3.663	3.611	1.4%	2.947	24.3%
Capital District	3.486	3.465	0.6%	2.724	28.0%
North Country*	3.613	3.605	0.2%	3.037	19.0%
Central	3.526	3.503	0.7%	2.664	32.4%
Western	4.020	3.964	1.4%	3.141	28.0%
Statewide*	3.644	3.610	1.0%	2.894	25.9%
New York State Average Residential Natural Gas Prices (\$/therm)					
REGION	June 2021	May 2021	% Change vs. Prior Month	June 2020	% Change vs. Last Year
Statewide	1.701	1.444	17.8%	1.555	9.4%

* Revision

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

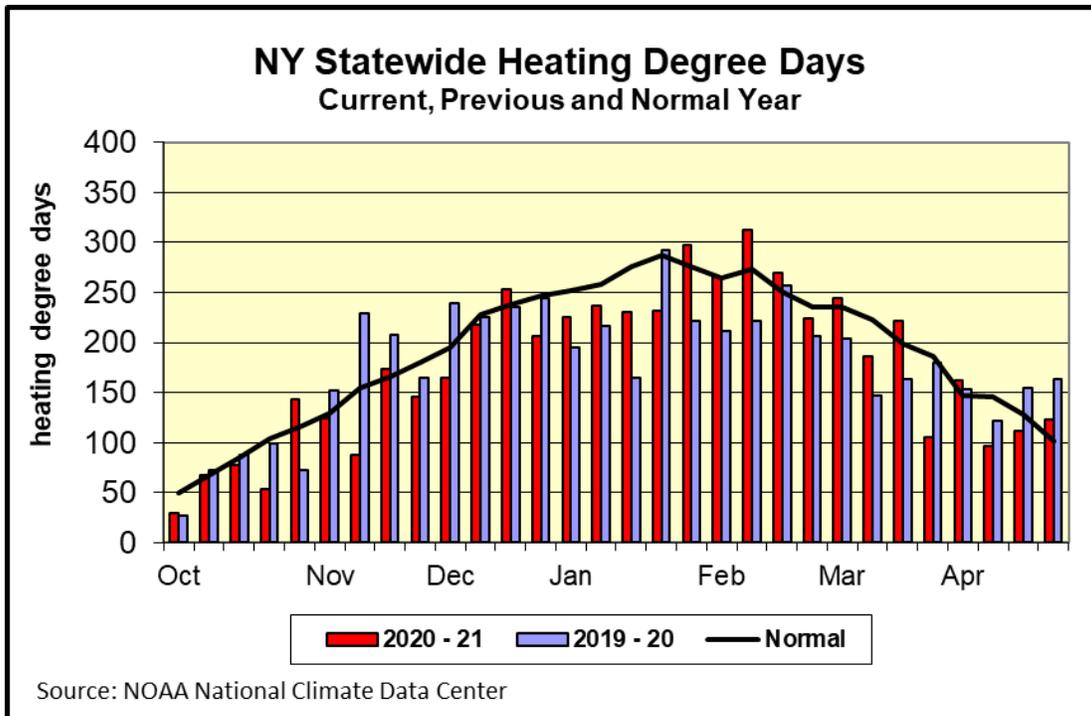
- Heating oil—highest price \$4.778/gallon on 7/14/08, lowest price \$0.876/gallon on 9/08/98.
- Propane—highest price \$3.811/gallon on 2/17/14, lowest price \$1.072/gallon on 9/20/99.
- Kerosene—highest price \$5.068/gallon on 7/14/08, lowest price \$1.309/gallon on 9/09/02.

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>.

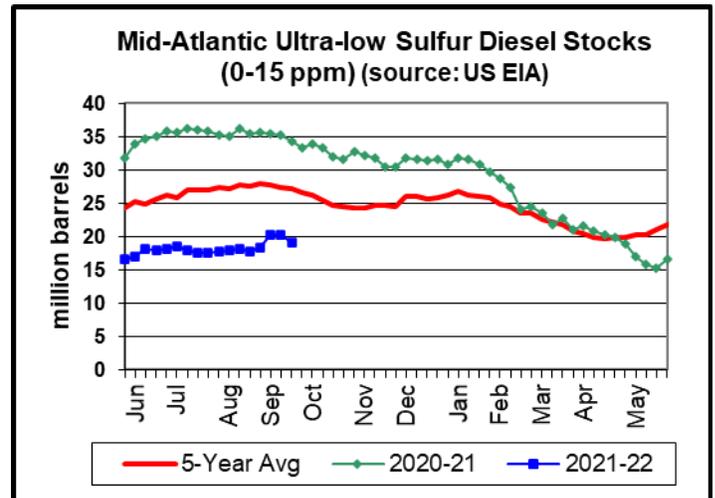
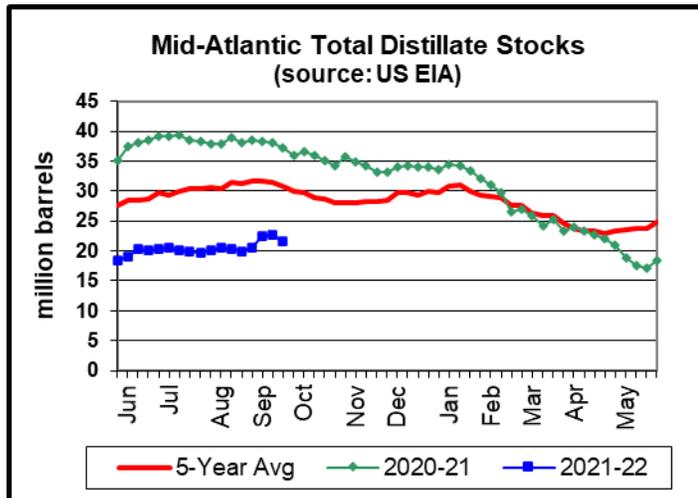
New York State Regions: *Long Island:* Nassau and Suffolk *New York City:* Bronx, Kings, New York, Queens, and Richmond *Lower Hudson:* Dutchess, Putnam, Rockland, and Westchester *Upper Hudson:* Columbia, Greene, Orange, Sullivan, and Ulster *Capital District:* Albany, Fulton, Montgomery, Rensselaer, 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. B5 heating oil is required for Downstate New York including Nassau, Suffolk, NYC, and Westchester counties.

Heating Degree Days— Until the start of the next heating season in October, the heating degree-day information below reflects weekly information through April 24, 2021. Cumulative statewide heating degree-days from October 1st through April 24th end the current season at 5,287 HDDs, which is behind the year-ago level (5,328) by 0.8% and behind the normal trend (5,699) by 7.2%.

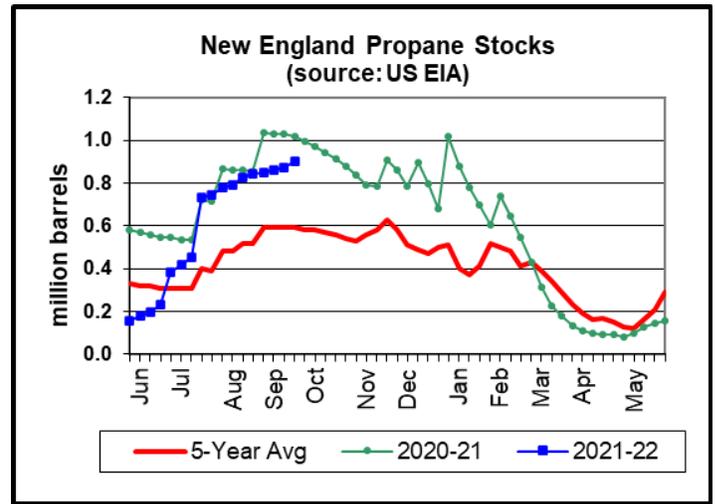
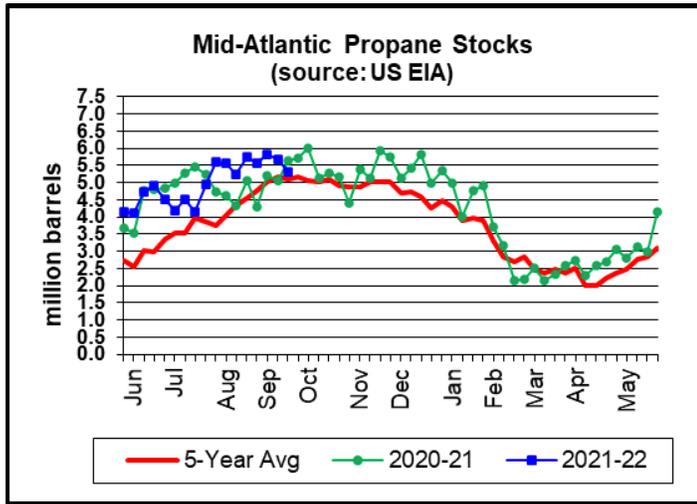
New York State Heating Degree Day Information, Weekly & Cumulative						
Region	Week Ending April 24			Cumulative From October 1		
	2021	2020	Normal	2020-21	2019-20	Normal
Albany	147	162	109	6,087	5,452	5,986
Binghamton	162	203	129	6,084	6,199	6,535
Buffalo	151	190	124	5,353	5,552	6,124
Glens Falls	79	194	125	4,771	6,486	6,859
Massena	143	203	135	6,687	6,985	7,409
NYC	64	118	79	3,836	3,953	4,542
Rochester	146	192	121	5,559	5,732	6,142
Syracuse	127	176	120	5,465	5,697	6,233
Watertown	146	200	136	6,283	6,448	6,936
State wide	123	164	102	5,287	5,328	5,699



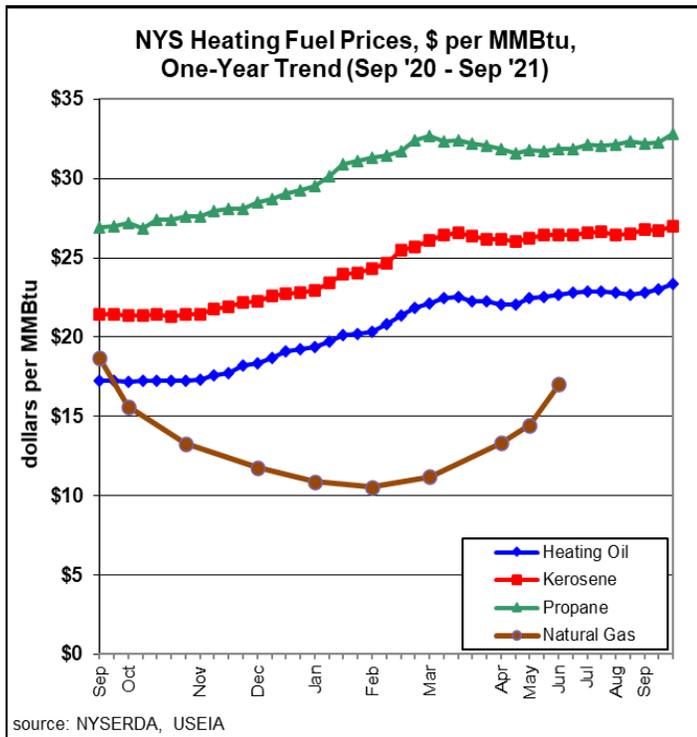
Distillate Stocks—Current and historic heating fuel inventory data is presented in the graphs below.



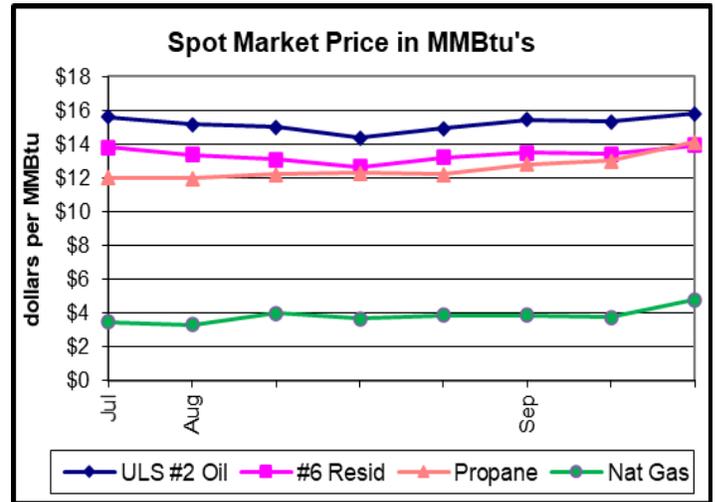
Propane Stocks—Current and historic heating fuel inventory data is presented in the graphs below.



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.



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 Citygate natural gas price 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. The monthly average price of natural gas is higher during the summer months due to low delivery volumes and fixed delivery charges and does not necessarily indicate a higher underlying supply price. Higher average natural gas prices in the summer months are not indicative of higher future prices during the winter months.

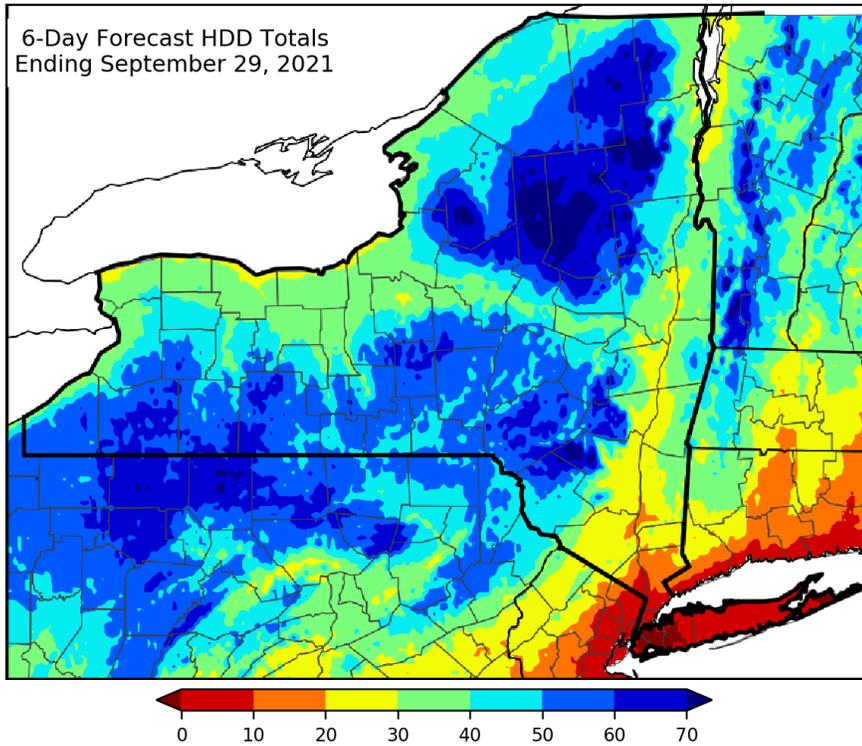
New York Spot Prices, Weekly Average			
Fuel	9/17/2021	Year Ago	% Change
Ultra LS Diesel	2.190	1.125	94.6%
#2 Fuel Oil	2.029	1.072	89.3%
#6 Residual 0.3%	2.084	1.196	74.3%
Propane	1.291	0.503	156.9%
Natural Gas	4.770	1.152	314.1%

Note: Fuel in \$/gallon, natural gas (\$/MMBtu)=NYCitygate

Weather Outlooks – Based on data and maps provided by the National Oceanic and Atmospheric Administration (NOAA) and the Northeast Regional Climate Center at Cornell University (NRCC).

Statewide Forecast HDD: On a statewide basis for the week ending September 25th, the number of forecasted heating degree-days (7) is 84.4% below last year (45) and 80.6% below the normal trend (36). Regional HDD forecasts are provided in the map and table below.

Regional Heating Degree-Day Forecast

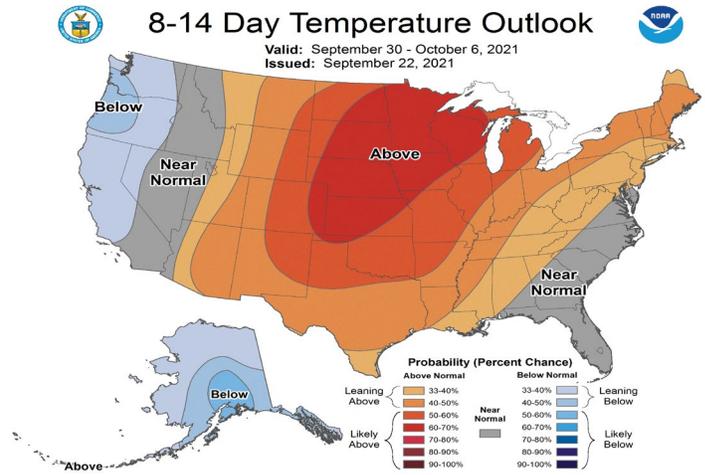
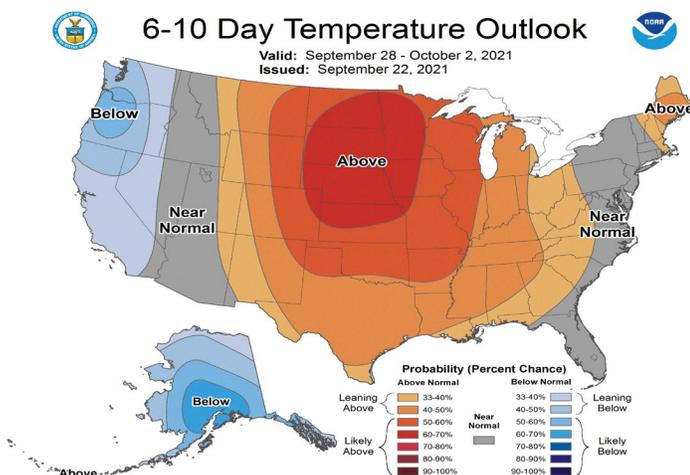


Period	Forecast Period: 9/24/2021-9/29/2021		
City	6-Day Forecast	Last Year	Normal
Albany	36	10	41
Binghamton	56	9	56
Buffalo	38	4	39
Glens Falls	30	13	60
Massena	42	16	61
NYC	0	0	10
Rochester	37	1	39
Syracuse	34	0	43
Watertown	40	5	57

Source: NOAA, Northeast Regional Climate Center at Cornell University (NRCC)

6-10 Day Outlook Temperature Probability from the Climate Prediction Center (NOAA). The forecasted map presents the 6-10 day temperature probability outlook for the United States for September 28, 2021 – October 2, 2021. This is in comparison to the 30-year normal (1981-2010).

8-14 Day Outlook Temperature Probability from the Climate Prediction Center (NOAA). The forecasted map presents the 8-14 day temperature probability outlook for the United States for September 30, 2021 – October 6, 2021. This is in comparison to the 30-year normal (1981-2010).



Additional historic regional specific prices and supply information is available at NYSERDA's website. For more information, please contact Matthew Milford at (518) 862-1090 ext. 3416, e-mail matthew.milford@nyserda.ny.gov.