

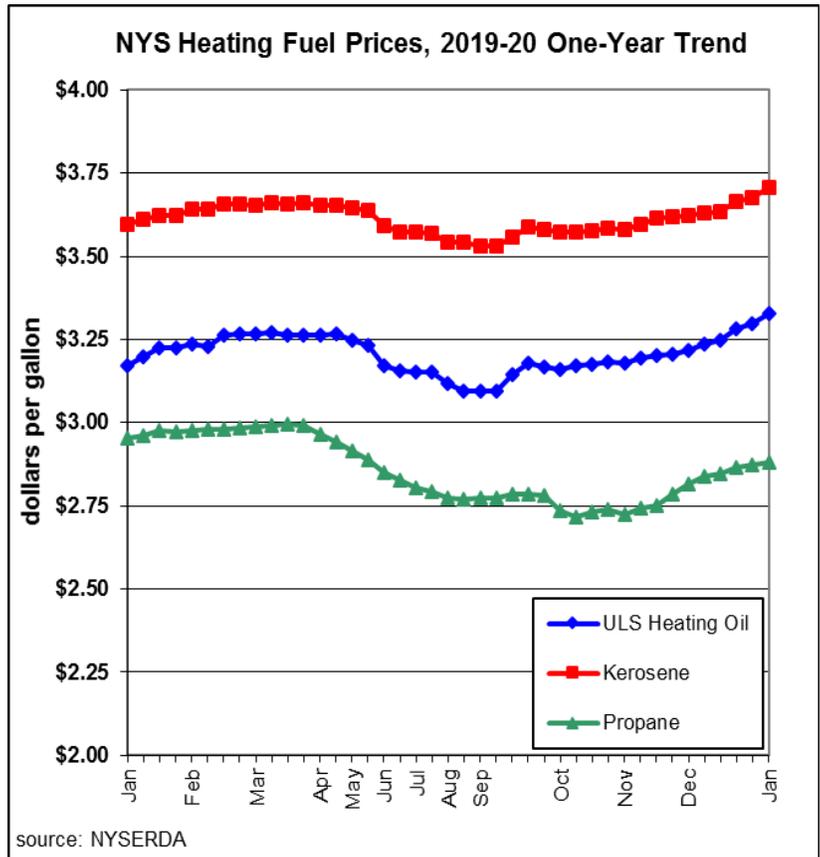
**Highlights**

- Mid-Atlantic ultra-low sulfur (ULS) distillate inventories increased 0.2 million barrels (1.0%) since last week to 19.3 million barrels. Current inventories are 3.8% ahead of last year’s level but 22.2% below the 5-year average.
- For the week ending January 4<sup>th</sup>, New York statewide heating degree-days (196) were less than last year (201) by 2.5% and less than the 30-year normal (250) by 21.6%.
- 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 December 30<sup>th</sup>, prices increased \$0.031/gallon (0.9%) to \$3.328/gallon for ULS heating oil, \$0.032/gallon (0.9%) to \$3.708/gallon for kerosene, and \$0.008/gallon (0.3%) to \$2.882/gallon for propane. Compared to a year earlier, prices increased \$0.155/gallon (4.9%) for heating oil, \$0.110/gallon (3.1%) for kerosene, and the price decreased \$0.073/gallon (2.5%) for propane.

**Crude Oil Prices**—For the week ending 1/3/2020, WTI crude oil spot prices averaged \$61.62/bbl, an increase of \$0.36/bbl (0.6%) from the week-ago average of \$61.26/bbl. WTI prices are now \$14.62/bbl (31.1%) above the year-ago weekly average of \$47.00/bbl. The all-time weekly average high of \$142.52/bbl occurred on 7/04/08.

**Spot Natural Gas Prices**—For the week ending 1/3/2020, Henry Hub natural gas spot prices averaged \$2.025 per million Btu (mmBtu), a decrease of \$0.003/mmBtu (0.1%) from the prior week level of \$2.028/mmBtu. Prices are currently \$0.715/mmBtu (26.1%) below the year-earlier weekly average of \$2.740/mmBtu.



**Residential Natural Gas Prices**—The NYS average price in October 2019 was \$1.643/therm, a decrease of \$0.299/therm (15.4%) from the September 2019 price of \$1.942/therm, and was \$0.020/therm (1.2%) lower than the year earlier average of \$1.663/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	1/3/2020	12/27/2019	% Change vs. Last Week	Year Ago	% Change vs. Last Year	5-Year Average	% Change vs. 5-Year Avg
ULSDistillate (0-15 ppm)	19.3	19.1	1.0%	18.6	3.8%	24.8	-22.2%
Non-road Diesel (15-500 ppm)	1.0	1.1	-6.2%	0.9	13.0%	1.2	-12.8%
High Sulfur Distillate (>500 ppm)	2.8	2.9	-4.0%	3.0	-6.7%	4.1	-30.9%
<b>Total Distillate Oil</b>	<b>23.2</b>	<b>23.2</b>	<b>0.0%</b>	<b>22.5</b>	<b>2.7%</b>	<b>30.1</b>	<b>-23.0%</b>
Propane	4.680	4.187	11.8%	4.379	6.9%	4.042	15.8%
#6 Residual Oil	4.9	5.8	-16.1%	4.2	17.5%	5.9	-16.8%
US Natural Gas	3,148	3,192	-1.4%	2,627	19.8%	3,074	2.4%
US Crude Oil	431.1	429.9	0.3%	439.7	-2.0%	427.6	0.8%

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	1/6/2020	12/30/2019	% Change vs. Prior Survey	Year Ago	% Change vs. Last Year
Long Island	3.521	3.503	0.5%	3.307	6.5%
New York City	3.441	3.394	1.4%	3.192	7.8%
Lower Hudson	3.426	3.383	1.3%	3.195	7.2%
Upper Hudson	3.205	3.161	1.4%	3.100	3.4%
Capital District	3.039	2.992	1.6%	2.898	4.9%
North Country	3.308	3.281	0.8%	3.230	2.4%
Central	3.082	3.076	0.2%	3.020	2.1%
Western	3.428	3.423	0.1%	3.401	0.8%
<b>Statewide</b>	<b>3.328</b>	<b>3.297</b>	<b>0.9%</b>	<b>3.173</b>	<b>4.9%</b>
New York State Retail Propane Posted Credit Prices - 1,100 gallon usage category (dollars per gallon)					
Long Island	3.201	3.197	0.1%	3.235	-1.1%
Mid-Hudson*	2.828	2.814	0.5%	2.892	-2.2%
Capital District	2.750	2.738	0.4%	2.867	-4.1%
North Country	3.718	3.701	0.5%	3.737	-0.5%
Central	2.600	2.601	0.0%	2.726	-4.6%
Western	2.572	2.570	0.1%	2.625	-2.0%
<b>Statewide*</b>	<b>2.882</b>	<b>2.874</b>	<b>0.3%</b>	<b>2.955</b>	<b>-2.5%</b>
New York State Retail Kerosene Posted Credit Prices (dollars per gallon)					
Mid-Hudson	3.846	3.798	1.3%	3.682	4.5%
Capital District	3.467	3.421	1.3%	3.323	4.3%
North Country*	3.768	3.747	0.6%	3.721	1.3%
Central	3.548	3.526	0.6%	3.474	2.1%
Western	3.835	3.835	0.0%	3.777	1.5%
<b>Statewide</b>	<b>3.708</b>	<b>3.676</b>	<b>0.9%</b>	<b>3.598</b>	<b>3.1%</b>
New York State Average Residential Natural Gas Prices (\$/therm)					
REGION	October 2019	September 2019	% Change vs. Prior Month	October 2018	% Change vs. Last Year
<b>Statewide</b>	<b>1.643</b>	<b>1.942</b>	<b>-15.4%</b>	<b>1.663</b>	<b>-1.2%</b>

\* Revision

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

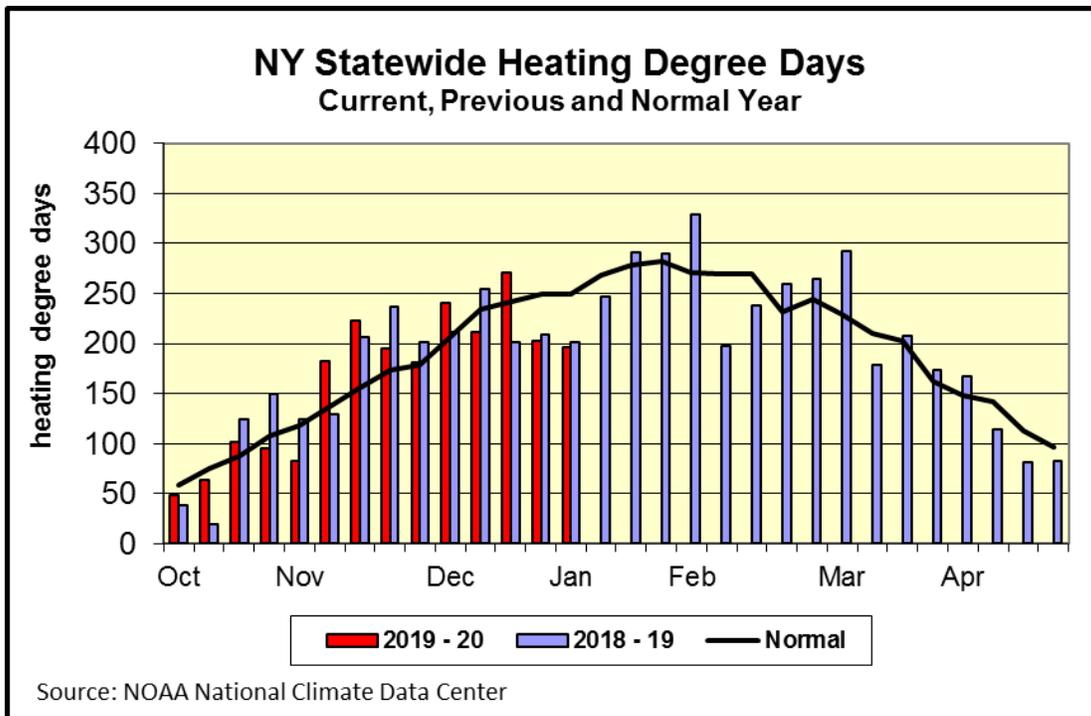
- Heating oil—highest price \$4.778/gallon on 7/14/08, lowest price \$0.876/gallon on 9/08/98.
- Propane—highest price \$3.811/gallon on 2/17/14, lowest price \$1.072/gallon on 9/20/99.
- Kerosene—highest price \$5.068/gallon on 7/14/08, lowest price \$1.309/gallon on 9/09/02.

**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>.

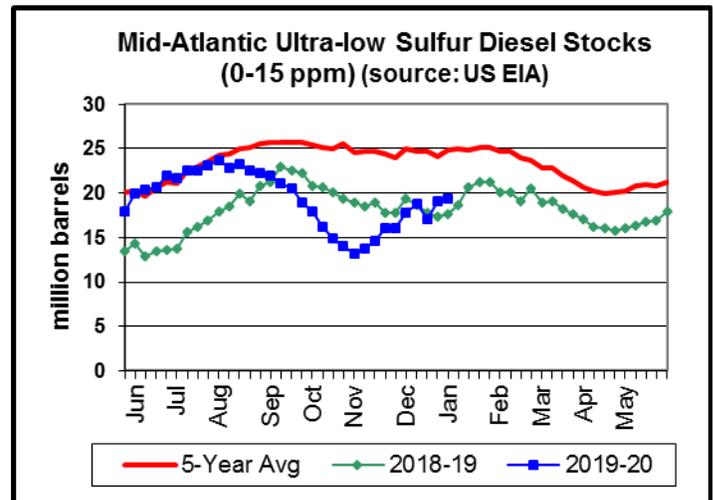
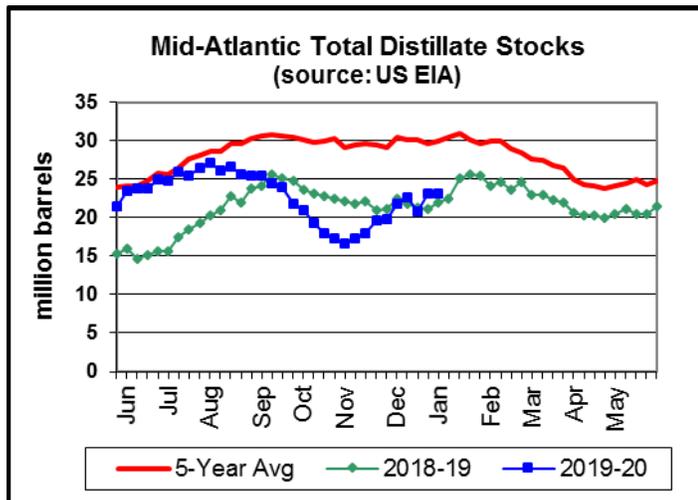
**New York State Regions:** *Long Island:* Nassau and Suffolk *New York City:* Bronx, Kings, New York, Queens, and Richmond *Lower Hudson:* Dutchess, Putnam, Rockland, and Westchester *Upper Hudson:* Columbia, Greene, Orange, Sullivan, and Ulster *Capital District:* Albany, Fulton, Montgomery, Rensselaer, 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**— On a statewide basis during the past week, the number of heating degree-days (196) was 2.5% below the year-ago level (201) and 21.6% below the normal trend (250). On a cumulative basis since October 1<sup>st</sup>, current year heating degree-days (2,294) are behind the year-ago level (2,305) by 0.5% and ahead of the normal trend (2,274) by 0.9%.

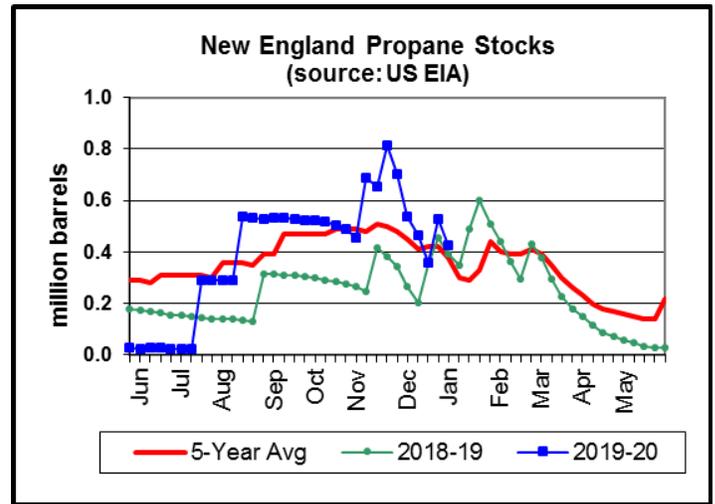
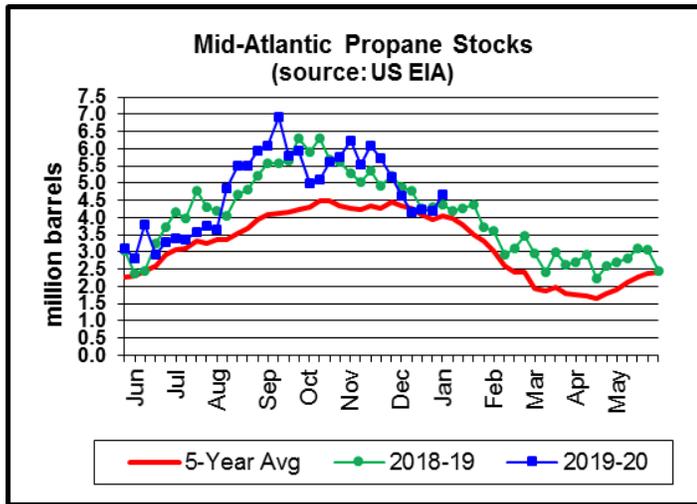
New York State Heating Degree Day Information, Weekly & Cumulative						
Region	Week Ending January 04			Cumulative From October 1		
	2020	2019	Normal	2019-20	2018-19	Normal
Albany	193	213	273	2,405	2,441	2,463
Binghamton	221	226	290	2,692	2,739	2,676
Buffalo	187	209	271	2,361	2,473	2,434
Glens Falls	223	242	314	2,789	2,768	2,823
Massena	218	286	339	2,944	3,093	3,010
NYC	158	158	215	1,650	1,651	1,741
Rochester	190	213	273	2,416	2,410	2,452
Syracuse	194	229	280	2,412	2,606	2,500
Watertown	205	256	311	2,756	2,841	2,801
<b>Statewide</b>	<b>196</b>	<b>201</b>	<b>250</b>	<b>2,294</b>	<b>2,305</b>	<b>2,274</b>



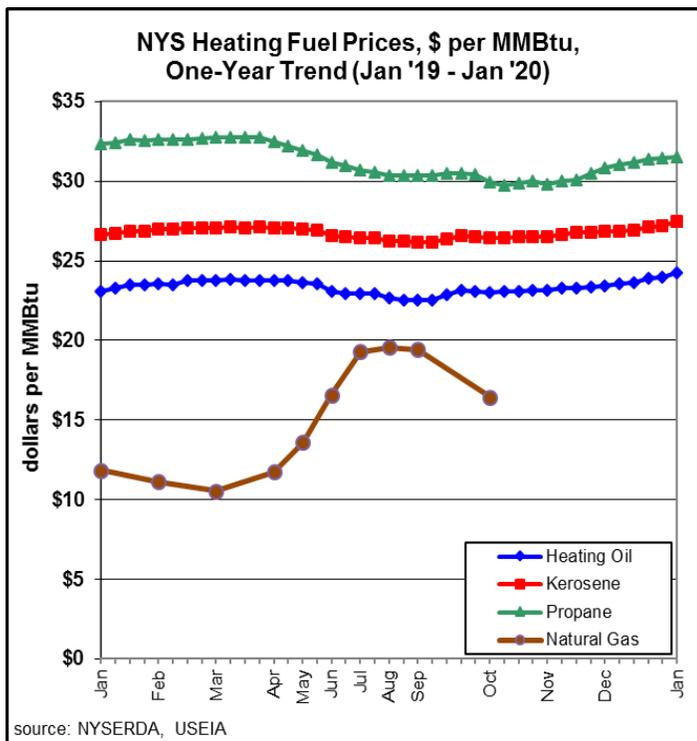
**Distillate Stocks**—Current and historic heating fuel inventory data is presented in the graphs below.



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



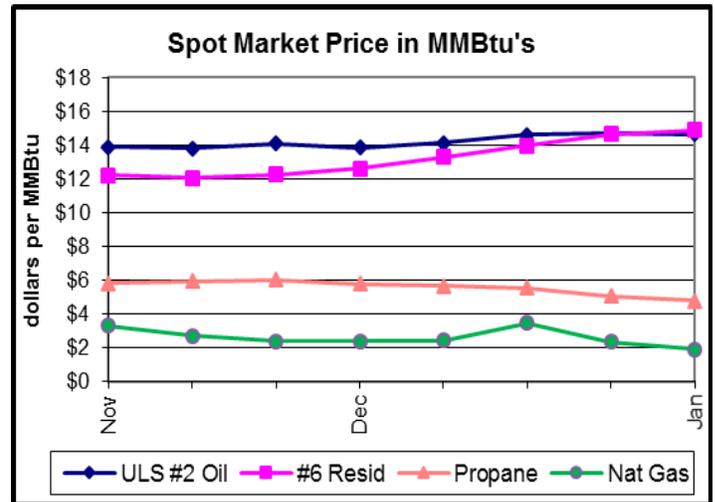
**Retail Btu Price Equivalents**—The New York State heating fuel prices Btu graph equates the retail price for New York Statewide average residential ultra-low sulfur heating oil, kerosene, propane, and natural gas on a dollar per million Btu (MMBtu) basis.



source: NYSDERDA, USEIA

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.

**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.



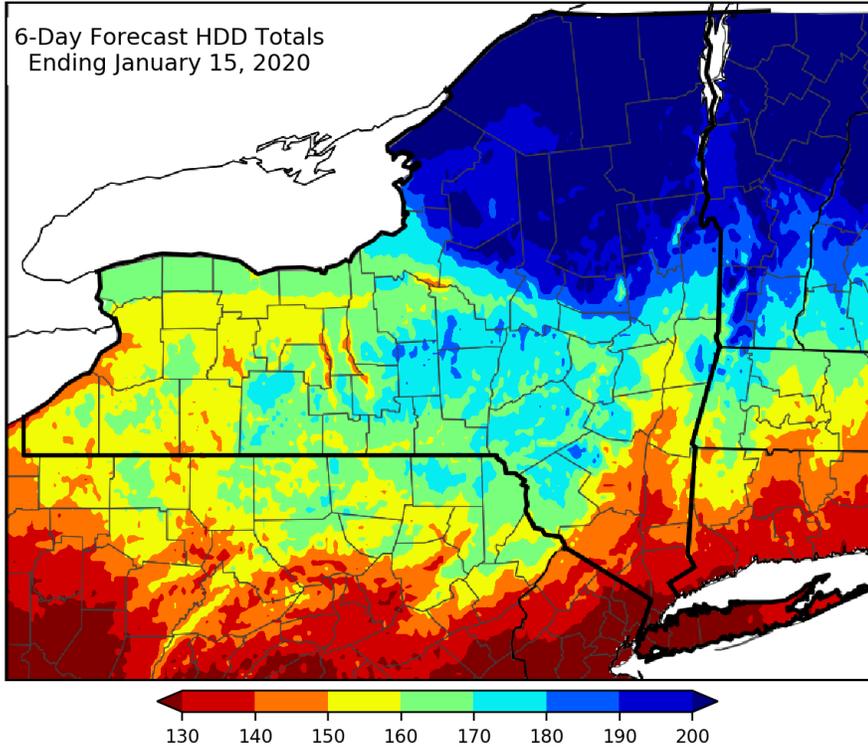
New York Spot Prices, Weekly Average			
Fuel	1/3/2020	Year Ago	% Change
Ultra LS Diesel	2.032	1.740	16.8%
#2 Fuel Oil	2.016	1.719	17.3%
#6 Residual 0.3%	2.228	1.574	41.6%
Propane	0.438	0.635	-31.1%
Natural Gas	1.902	2.905	-34.5%

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 January 11<sup>th</sup>, the number of forecasted heating degree-days (225) is 2.2% below last year (230) and 15.4% below the normal trend (266). Regional HDD forecasts are provided in the map and table below.

**Regional Heating Degree-Day Forecast**

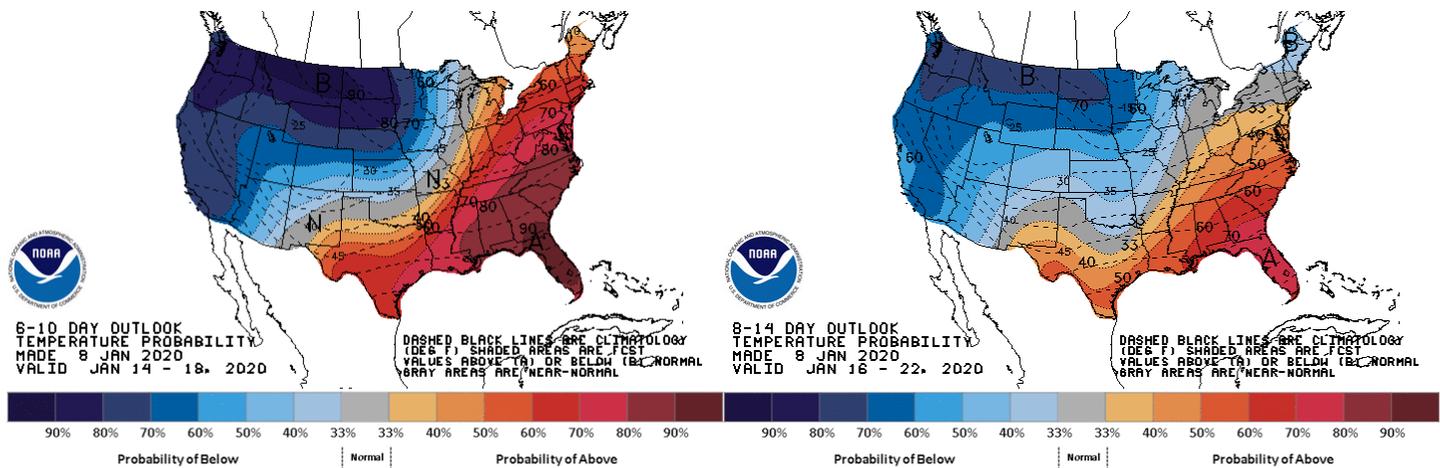


Period	Forecast Period: 1/10/2020-1/15/2020		
City	6-Day Forecast	Last Year	Normal
Albany	160	268	258
Binghamton	169	294	258
Buffalo	154	272	240
Glens Falls	186	287	283
Massena	227	331	305
NYC	110	213	192
Rochester	162	270	242
Syracuse	165	296	250
Watertown	198	329	274

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 January 14, 2020 – January 18, 2020. 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 January 16, 2020 – January 22, 2020. 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@nyserdera.ny.gov](mailto:matthew.milford@nyserdera.ny.gov).