

## Overall Energy & Fuels Markets Summary

- Summary of average spot prices for the following fuels (see page 1).
  - Crude oil (WTI and Brent) and propane (Mt Belvieu) slightly decreased compared to the prior week.
  - Natural gas (Henry Hub) slightly increased compared to the prior week.
- Regional fuels inventories (see pages 2 and 3) compared to the previous week:
  - Natural gas inventories increased compared to the prior week.
  - Propane inventories increased 28% compared to the prior week.
  - Ultra-low sulfur diesel (ULSD) and total gasoline inventories decreased compared to the prior week.
- Market influencers include:
  - Global factors such as the current Middle East conflict, the Russia-Ukraine war, including the reduction of Russian petroleum processing capability due to Ukraine drone attacks, and the associated geopolitical uncertainties.
  - Economics concerns related to inflation-control measures, petroleum refinery maintenance, and the transition to summer blend fuels to meet air quality standards.
- In New York, the National Oceanic and Atmospheric Administration (NOAA) forecasts indicate likely above average for the 6-10 day and near normal for the 8-14 day period. The NOAA forecasts for precipitation indicate leaning above for the 6-10 day and the 8-14 day periods. (Page 6)
- NY retail prices (see pages 4 and 5) for heating and transportation fuels:
  - NY transportation regular gasoline increased and diesel slightly increased compared to the prior week.
  - Heating oil, kerosene and propane all decreased compared to the prior survey (4/15/24).

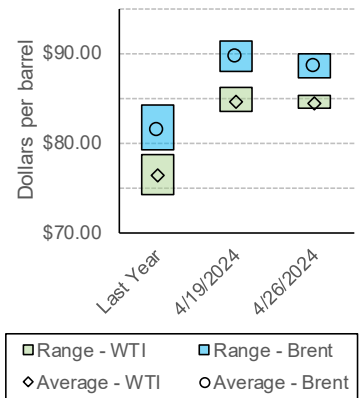
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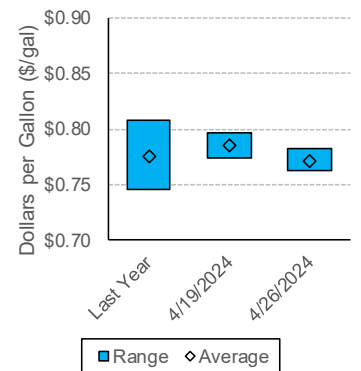
Note:  
 1. Data from USEIA, see references section for detailed citations. Visualizations by NYSERDA.  
 2. Graphics summarize available USEIA data from the most recent week ending on Fridays, noted by the date.

## Fundamental Fuels Market Weekly Price Summaries

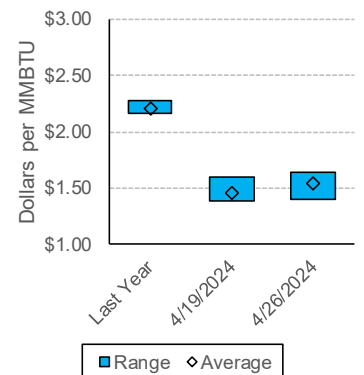
Crude Oil Spot Price



Propane Mt. Belvieu Spot Price

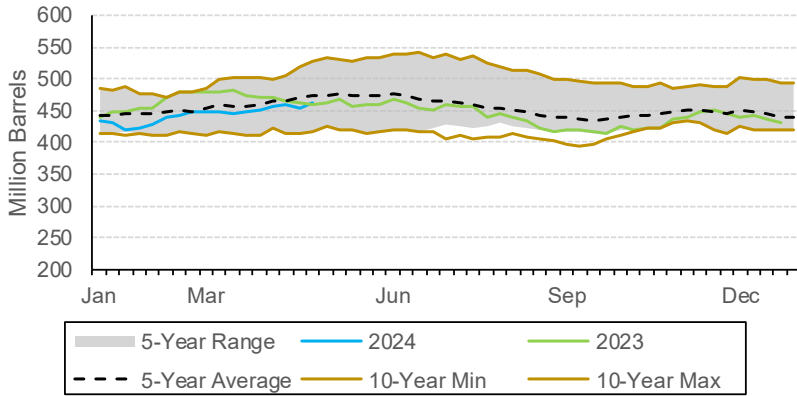


Natural Gas Henry Hub Spot Price

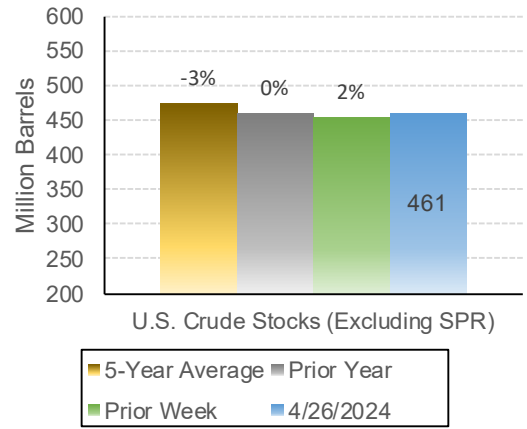


## National Crude and East Region Natural Gas Inventories

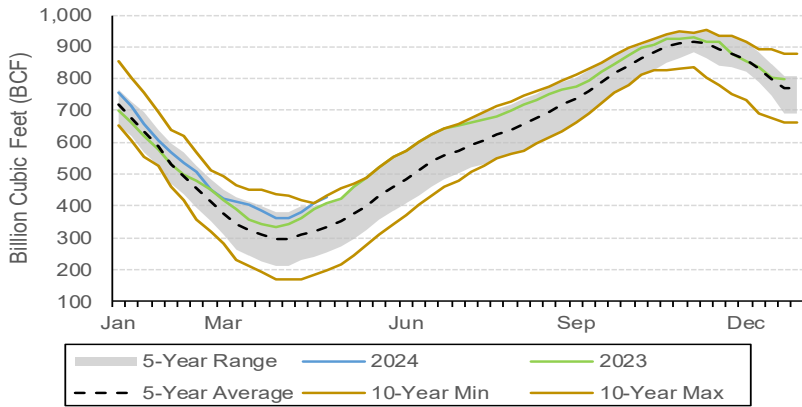
*U.S. Crude Weekly Stocks (Excluding Strategic Petroleum Reserve)*



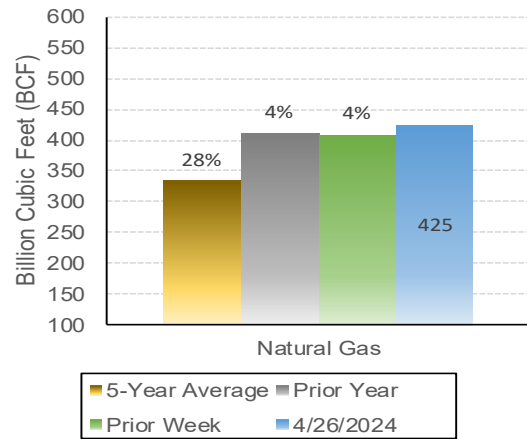
*Historical Comparison*



*East Region: Natural Gas Working Underground Storage*



*Historical Comparison*

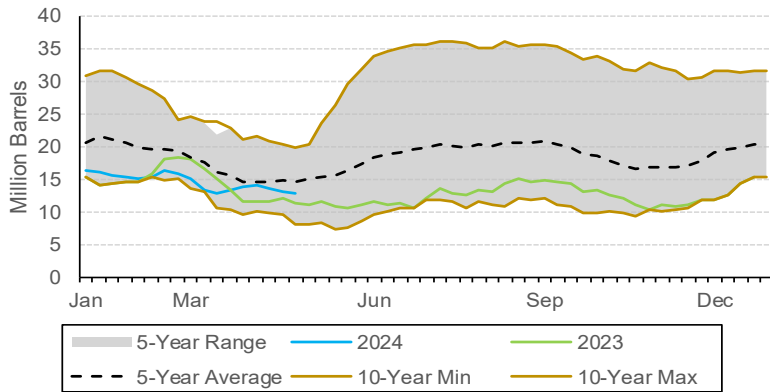


**Note:**

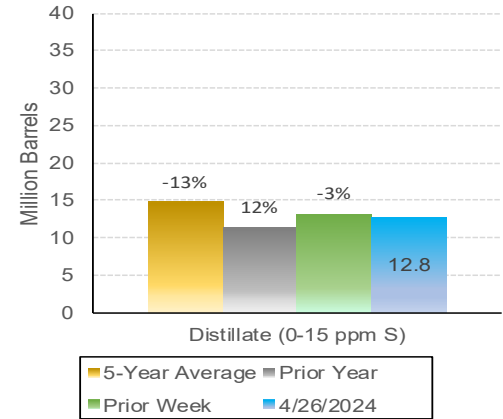
1. Data from USEIA, see references section for detailed citations. Visualizations by NYSERDA.
2. Graphics summarize available USEIA data from the most recent week ending on Fridays.
3. Historical comparison bar chart percentages reflect current week. Positive values indicate current week is greater, negative values indicate current week is less than the historical value.

## Regional Inventories: Select Liquid Fuels

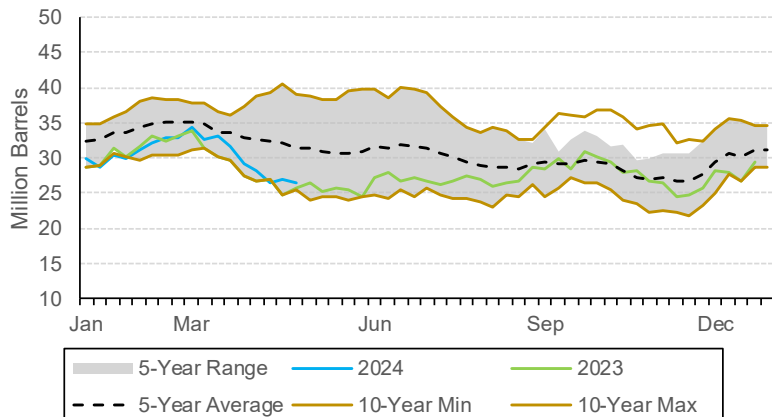
*PADD 1B: Distillate (0 - 15 ppm S) Weekly Stocks*



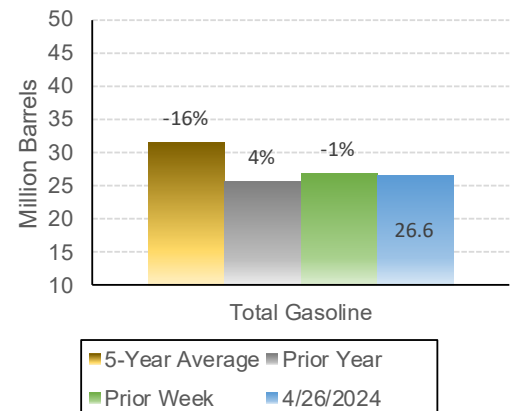
*Historical Comparison*



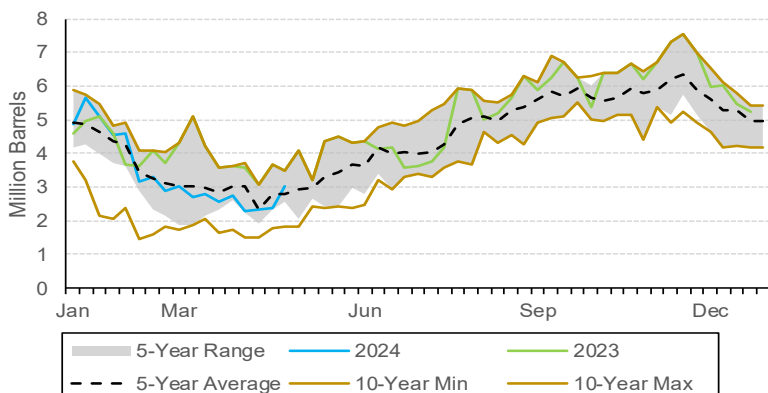
*PADD 1B: Total Gasoline Weekly Stocks*



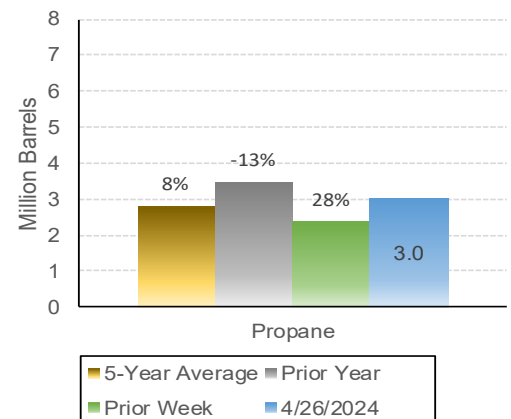
*Historical Comparison*



*PADD 1B: Propane and Propylene Weekly Inventory*



*Historical Comparison*

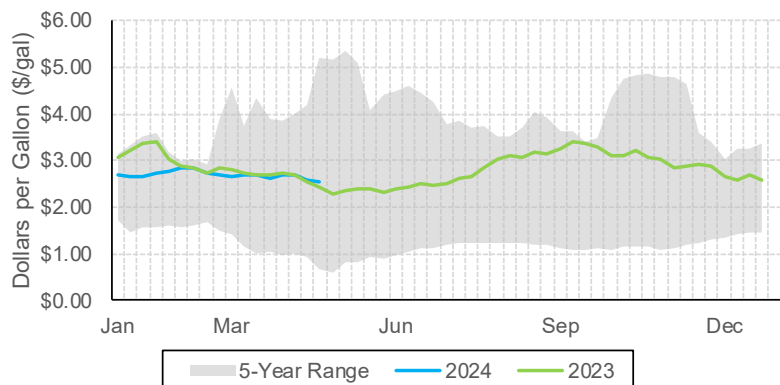


**Notes:**

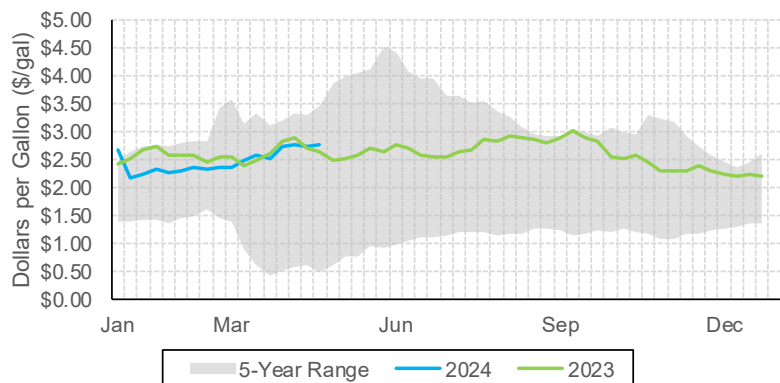
1. Data from USEIA, see references section for detailed citations. Visualizations by NYSDERDA.
2. Historical comparison bar chart percentages reflect current week. Positive values indicate current week is greater, negative values indicate current week is less than the historical value.

## Transportation Fuel Prices Summary

*Ultra-low Sulfur Diesel New York Harbor  
Average Weekly Spot Prices*



*Conventional Gasoline Average Weekly Spot  
Prices New York Harbor*



**For regional NYS retail price summaries for transportation fuels, visit the following NYSEERDA resources:**

[Transportation Fuel Dashboard](#)

Transportation fuels retail price summaries presented in this report and on the NYSEERDA dashboards are collected by the Energy Markets team from AAA and USEIA as part of our ongoing fuels markets analyses and monitoring.

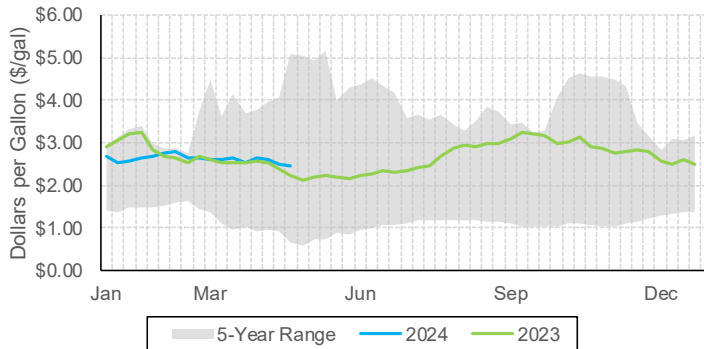
Fuel Type	NYS Average Retail Prices				
	4/26/2024	4/19/2024	% Difference	Prior Year	% Difference
Regular Gasoline (dollars per gallon) <sup>2</sup>	\$3.698	\$3.563	3.8%	\$3.696	0.0%
On-road Diesel (dollars per gallon) <sup>2</sup>	\$4.408	\$4.401	0.2%	\$4.800	-8.2%

Notes:

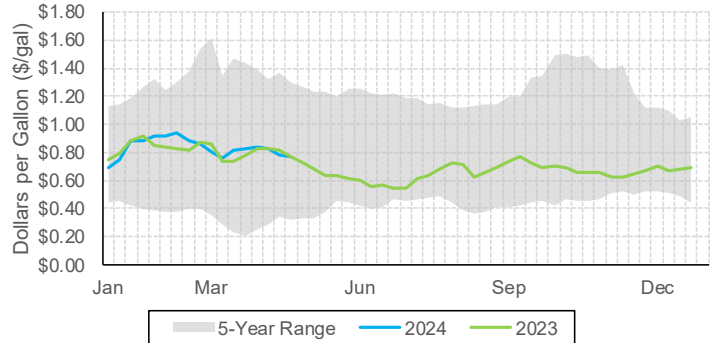
1. Wholesale price data from USEIA, see references section for detailed citations. Visualizations by NYSEERDA.
2. Retail price data from AAA, see references section for detailed citations. Visualizations by NYSEERDA.

## Heating Fuel Prices Summary

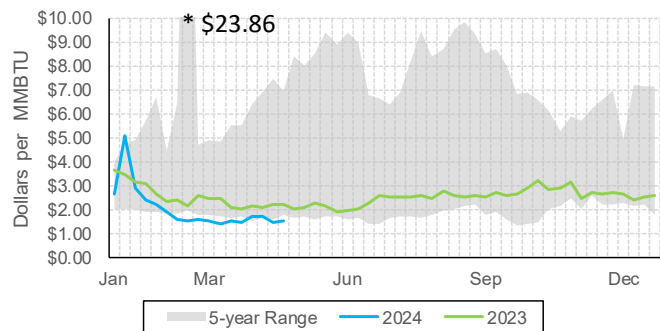
No. 2 Heating Oil Average Weekly Spot Prices New York Harbor



Propane Mt. Belvieu Average Weekly Spot Prices



Natural Gas Henry Hub Average Weekly Spot Prices



Weekly Survey Results by Fuel Type	NYS Average Retail Prices				
	4/29/2024	4/15/2024	% Difference	Prior Year	% Difference
Ultra-low #2 Heating Oil Posted Credit Prices (dollars per gallon) <sup>2</sup>	\$4.061	\$4.140	-1.9%	\$4.102	-1.0%
Propane Posted Credit Prices - 1,100 gallon usage (dollars per gallon) <sup>2</sup>	\$3.282	\$3.301	-0.6%	\$3.472	-5.5%
Kerosene Posted Credit Prices (dollars per gallon) <sup>2</sup>	\$4.855	\$4.904	-1.0%	\$5.521	-12.1%
<b>Monthly USEIA Reporting</b>	<b>January 2024</b>	<b>December 2023</b>	<b>% Difference</b>	<b>January 2023</b>	<b>% Difference</b>
Monthly Average Residential Natural Gas Prices (dollars per Therm) <sup>3</sup>	\$1.409	\$1.422	-1.0%	\$1.665	-15.4%

**For regional NYS retail price summaries for heating fuels, visit the following NYSEERDA resources:**

[Home Heating Oil Prices Dashboard](#)

[Kerosene Prices Dashboard](#)

[Propane Prices Dashboard](#)

Heating fuels retail price summaries presented in this report and on the NYSEERDA dashboards are part of the USEIA State Heating Oil and Propane Program/ NYSEERDA Heating Fuel Prices surveys.

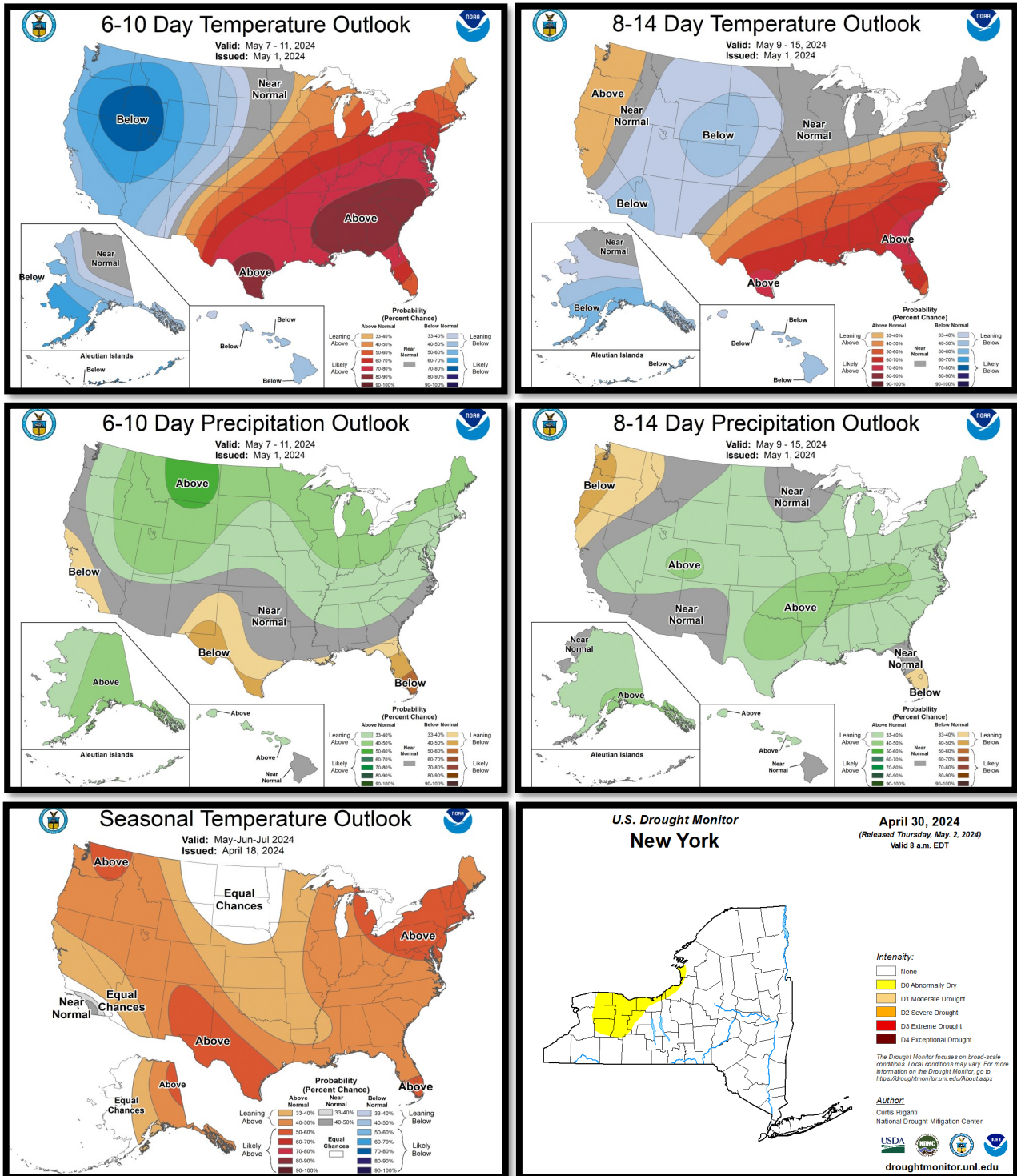
During the non-heating season (April through August), the retail price surveys are only conducted twice per month. Rows shaded blue in the table above indicate data that are from the most recent survey, but not reflective of the current week.

Notes:

1. Wholesale price data from USEIA, see references section for detailed citations. Visualizations by NYSEERDA.
2. Retail price data from USEIA & NYSEERDA, see references section for detailed citations. Visualizations by NYSEERDA. Highlighted cells indicate price correction from prior week.
3. Residential natural gas price data from USEIA, see references section for detailed citations. Visualization by NYSEERDA.



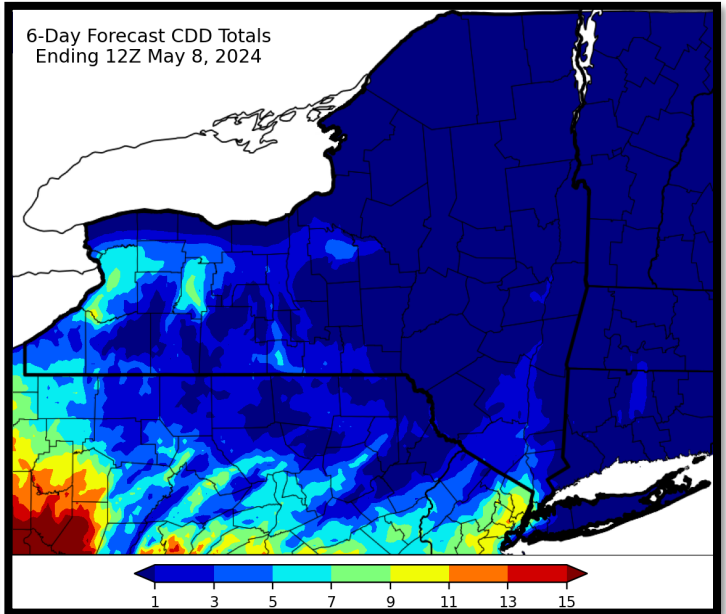
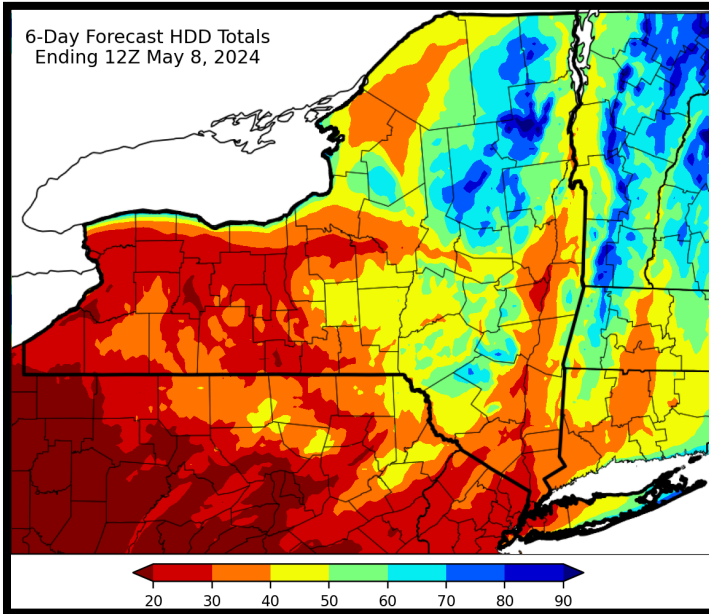
## Weather Outlook and Seasonal Threat Monitoring



**Notes:**

1. Temperature and precipitation outlook graphics from NOAA. See references section for detailed citations.
2. Seasonal threat monitoring for summer/fall. Graphics from National Hurricane Center. See reference section for detailed citation.
3. Seasonal threat monitoring for drought conditions during the summer/fall. Graphic from National Drought Mitigation Center. See references section for detailed citation.

## Degree Days Outlook and Summary



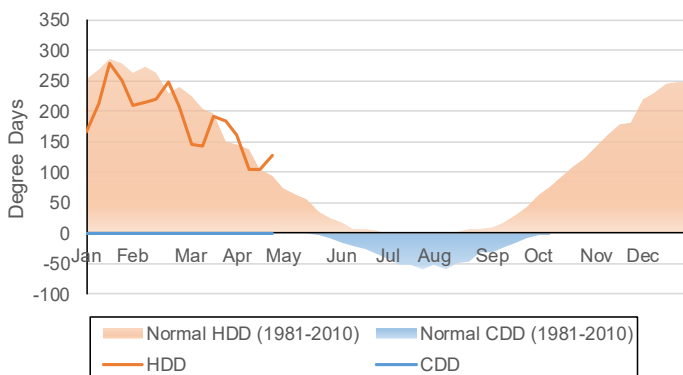
City	6-Day HDD Forecast	Normal	% Difference
Albany	26	57	-54%
Binghamton	39	76	-49%
Buffalo	16	69	-77%
Glens Falls	40	75	-47%
Massena	44	79	-44%
NYC	26	34	-24%
Rochester	20	64	-69%
Syracuse	25	66	-62%
Watertown	33	84	-61%

Forecast Dates:  
05/02/2024 - 05/07/2024

City	6-Day CDD Forecast	Normal	% Difference
Albany	1	3	-67%
Binghamton	0	2	-100%
Buffalo	1	2	-50%
Glens Falls	0	1	-100%
Massena	0	1	-100%
NYC	3	6	-50%
Rochester	0	3	-100%
Syracuse	0	3	-100%
Watertown	0	1	-100%

Forecast Dates:  
05/02/2024 - 05/07/2024

NYS Degree Day Weekly Summary: Current Year



**For regional NYS Heating and Cooling Degree Data along with additional information, visit the following NYSEERDA resources:**

[Heating Degree Data](#)

[Monthly Degree Day Data \(Heating & Cooling\)](#)

**Notes:**

1. Heating degree day (HDD) and cooling degree day (CDD) forecasts from NOAA & Northeast Regional Climate Center at Cornell University (NRCC). See references section for detailed citations. Records noted with "M" indicate missing data.
2. HDD and Cooling Degree Day (CDD) data from NOAA. Positive values represent HDD and negative values represent CDD. See reference section for detailed citation. Visualization by NYSEERDA.

## References

### National and Regional Fuel Inventories

USEIA. 2023. U.S. Stocks of Crude Oil and Petroleum Products. Available online:

[https://www.eia.gov/dnav/pet/xls/PET\\_STOC\\_WSTK\\_DCU\\_NUS\\_W.xls](https://www.eia.gov/dnav/pet/xls/PET_STOC_WSTK_DCU_NUS_W.xls).

USEIA. 2023. Weekly Central Atlantic (PADD 1B) Ending Stocks of Distillate Fuel Oil, 0 to 15 ppm Sulfur (Thousand Barrels). Available online: [https://www.eia.gov/dnav/pet/hist\\_xls/WD0ST\\_R1Y\\_1w.xls](https://www.eia.gov/dnav/pet/hist_xls/WD0ST_R1Y_1w.xls).

USEIA. 2023. Weekly Central Atlantic (PADD 1B) Ending Stocks of Total Gasoline (Thousand Barrels).

Available online: [https://www.eia.gov/dnav/pet/hist\\_xls/WGTST1B1w.xls](https://www.eia.gov/dnav/pet/hist_xls/WGTST1B1w.xls).

USEIA. 2023. Weekly Central Atlantic (PADD 1B) Propane and Propylene Ending Stocks Excluding Propylene at Terminal (Thousand Barrels). Available online: [https://www.eia.gov/dnav/pet/hist\\_xls/WPRST1B1w.xls](https://www.eia.gov/dnav/pet/hist_xls/WPRST1B1w.xls).

### National and Regional Price Summaries

AAA. 2023. National and State Gas Prices. *New York Average Gas Prices*. Available online:

<https://gasprices.aaa.com/?state=NY>.

USEIA. 2023. Spot Prices for Crude Oil and Petroleum Products. Available online:

[https://www.eia.gov/dnav/pet/xls/PET\\_PRI\\_SPT\\_S1\\_D.xls](https://www.eia.gov/dnav/pet/xls/PET_PRI_SPT_S1_D.xls).

USEIA. 2023. Natural Gas. *Natural Gas Spot and Future Prices (NYMEX)*. Available online:

[https://www.eia.gov/dnav/ng/xls/NG\\_PRI\\_FUT\\_S1\\_D.xls](https://www.eia.gov/dnav/ng/xls/NG_PRI_FUT_S1_D.xls).

USEIA & NYSERDA. 2023. State Heating Oil and Propane Program/NYSERDA Heating Fuel Prices Survey.

Available online: <https://www.eia.gov/petroleum/heatingoilpropane/>.

### Weather Outlook and Data

National Oceanic and Atmospheric Administration (NOAA). 2023. National Weather Service Climate Prediction Center. Temperature and Precipitation Outlooks. Available online: <https://www.cpc.ncep.noaa.gov/>.

NOAA and Northeast Regional Climate Center (NRCC) at Cornell University. 2023. Weekly HDD and CDD Summary for New York. Available online: <http://www.nrcc.cornell.edu/industry/hdd/>.

NOAA. 2023. National Weather Service Climate Prediction Center. Degree Days Statistics. Available online:

[https://www.cpc.ncep.noaa.gov/products/analysis\\_monitoring/cdus/degree\\_days/](https://www.cpc.ncep.noaa.gov/products/analysis_monitoring/cdus/degree_days/).

National Drought Mitigation Center. 2023. U.S. Drought Monitor. New York. Available online at:

<https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?NY>.

NOAA. National Hurricane Center. Atlantic Tropical Cyclones and Disturbances. Available online at: <https://www.nhc.noaa.gov/>.

*Note that there may be slight differences between USEIA reported values and this NYSERDA summary due to methodology differences.*

*Developed weekly by the NYSERDA Energy Markets team, part of the Policy, Analysis, and Research Group. For any questions, please reach out to:*

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