

Weekly Energy and Fuels Markets Report

October 4, 2024



Overall Energy & Fuels Markets Summary

- Summary of average spot prices for the following fuels (see page 1).
 - Brent average spot price slightly increased while WTI decreased.
 - Propane (Mt. Belvieu) decreased while natural gas (Henry Hub) increased compared to the prior week.
- Regional fuels inventories (see pages 2 and 3) compared to the previous week:
 - Natural gas increased while total gasoline, Ultra-low sulfur diesel (ULSD), and propane inventories decreased compared to the prior week.
- Market influencers include:
 - Global factors such as petroleum oversupply concerns, continued conflicts in the Middle East, Russia-Ukraine war, and associated geopolitical uncertainties.
 - Domestic factors such as the seasonal demand change from summer to fall for transportation fuels as well as the recent interest rate drop are influencing prices and inventories.
- In New York, the National Oceanic and Atmospheric Administration (NOAA) forecasts indicate likely to leaning below average temperatures for the 6-10 day and leaning below for the 8-14 day period. The NOAA forecasts for precipitation indicate likely to leaning below for the 6-10 day period and leaning below for the 8-14 day period. (Page 6)
- NY retail prices (see pages 4 and 5) for heating and transportation fuels:
 - NY transportation regular gasoline and diesel both decreased compared to the prior week.
 - Heating oil and kerosene prices slightly increased while propane remained relatively unchanged compared to the prior week.

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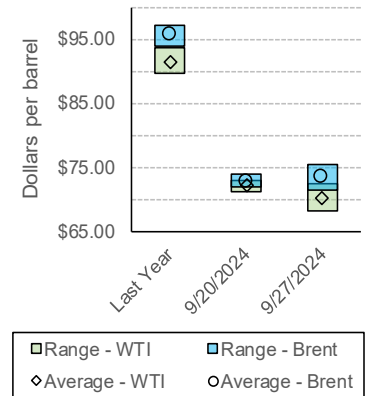
Note:

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

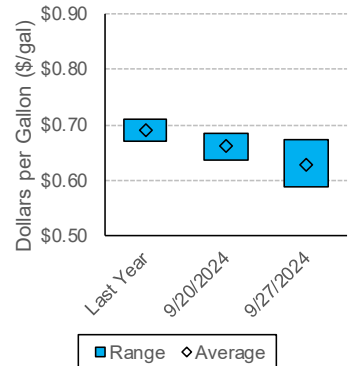
October 4, 2024

Fundamental Fuels Market Weekly Price Summaries

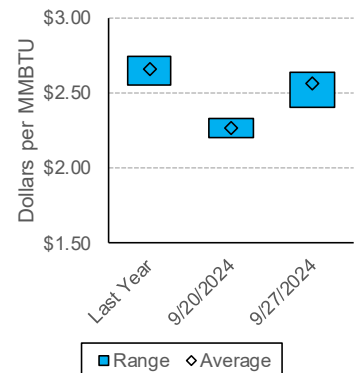
Crude Oil Spot Price



Propane Mt. Belvieu Spot Price

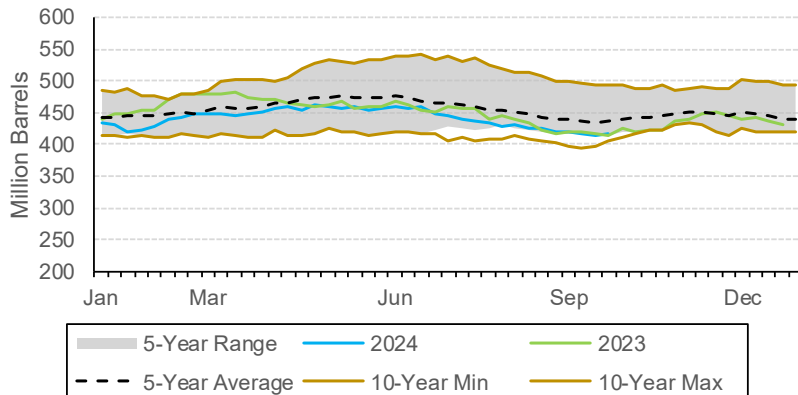


Natural Gas Henry Hub Spot Price

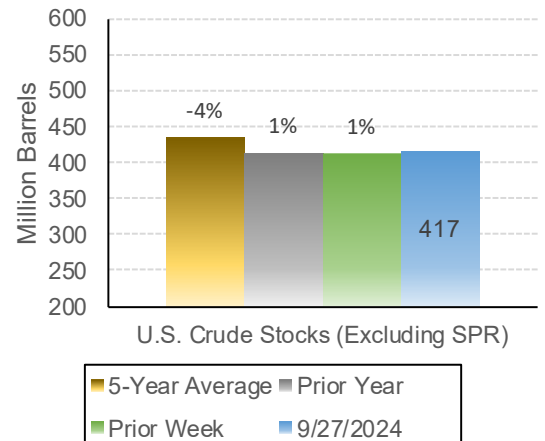


National Crude and East Region Natural Gas Inventories

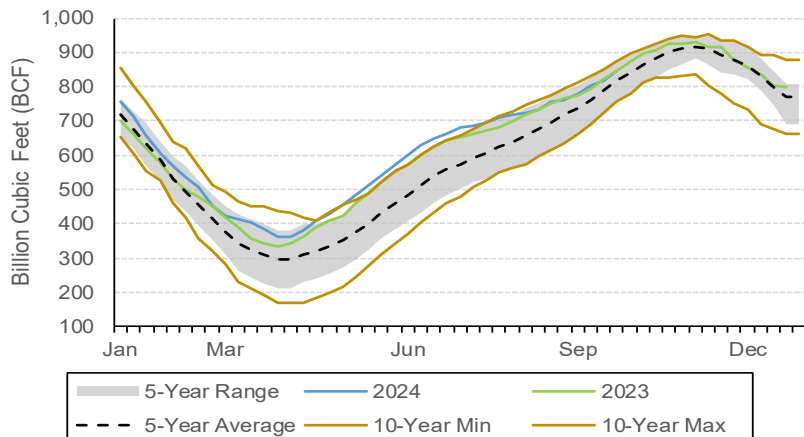
U.S. Crude Weekly Stocks (Excluding Strategic Petroleum Reserve)



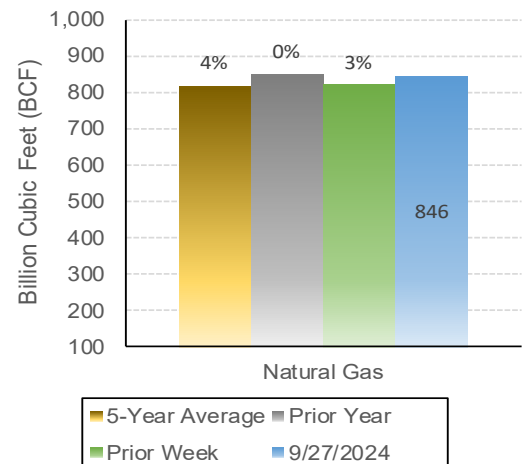
Historical Comparison



East Region: Natural Gas Working Underground Storage



Historical Comparison

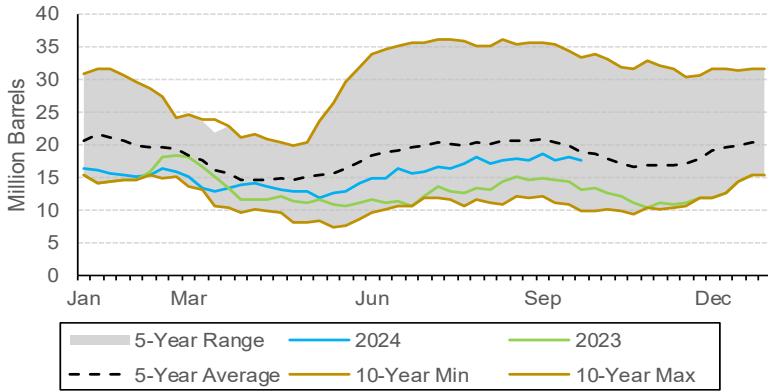


Note:

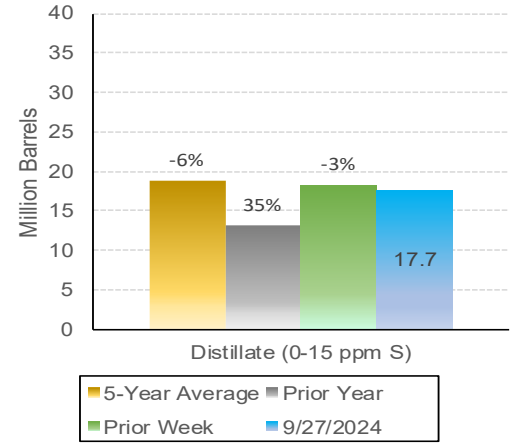
1. Data from USEIA, see references section for detailed citations. Visualizations by NYSDERDA.
2. Graphics summarize available USEIA data from the most recent week ending on Fridays.
3. Historical comparison bar chart percentages reflect current week. Positive values indicate current week is greater,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

Regional Inventories: Select Liquid Fuels

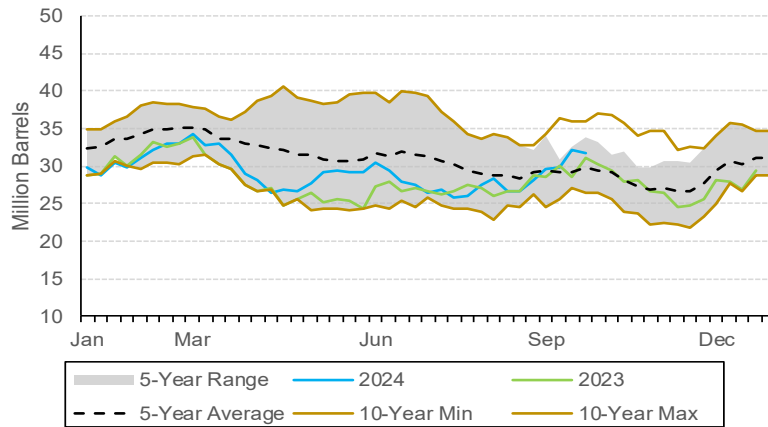
PADD 1B: Distillate (0 - 15 ppm S) Weekly Stocks



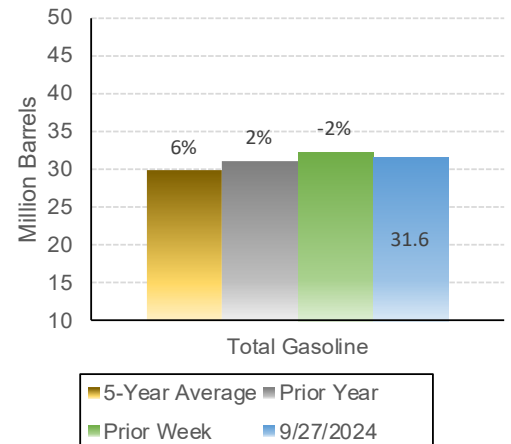
Historical Comparison



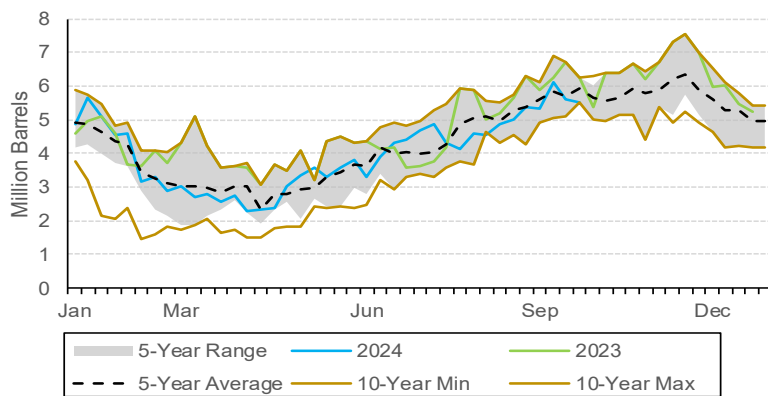
PADD 1B: Total Gasoline Weekly Stocks



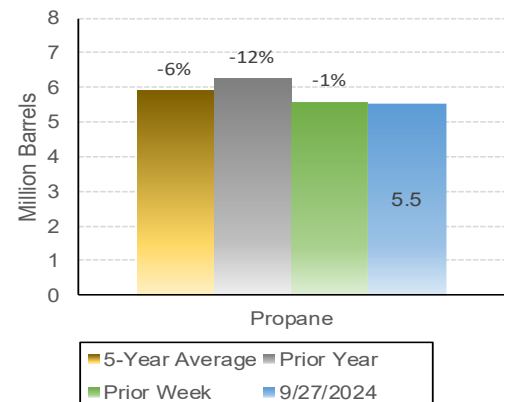
Historical Comparison



PADD 1B: Propane and Propylene Weekly Inventory



Historical Comparison

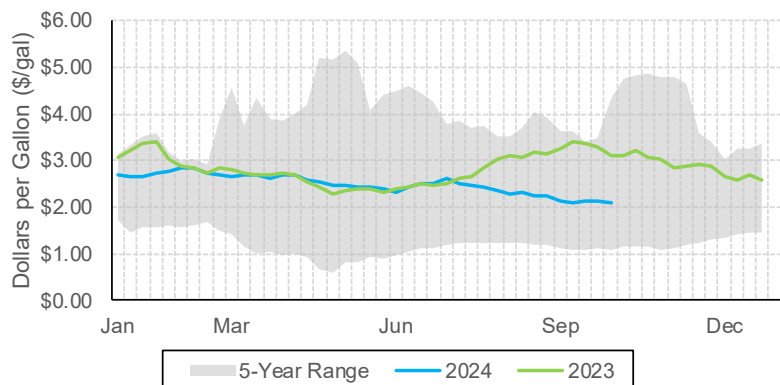


Notes:

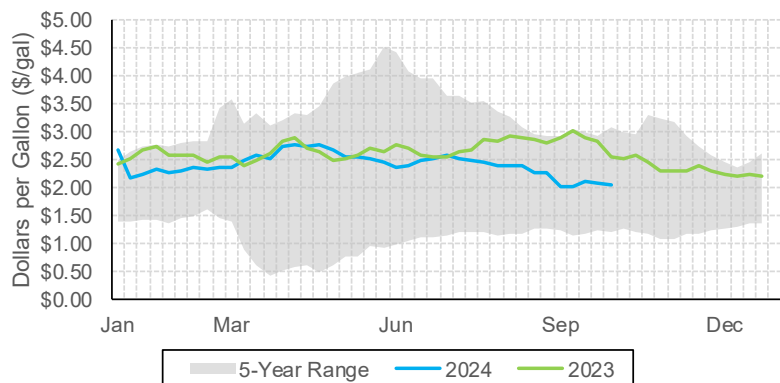
1. Data from USEIA, see references section for detailed citations. Visualizations by NYSDERDA.
2. Historical comparison bar chart percentages reflect current week. Positive values indicate current week is greater, negative values indicate current week is less than the historical value.

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 NYSERDA resources:

[Transportation Fuel Dashboard](#)

Transportation fuels retail price summaries presented in this report and on the NYSERDA 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				
	9/27/2024	9/20/2024	% Difference	Prior Year	% Difference
Regular Gasoline (dollars per gallon) ²	\$3.295	\$3.349	-1.6%	\$3.910	-15.7%
On-road Diesel (dollars per gallon) ²	\$4.001	\$4.040	-1.0%	\$4.746	-15.7%

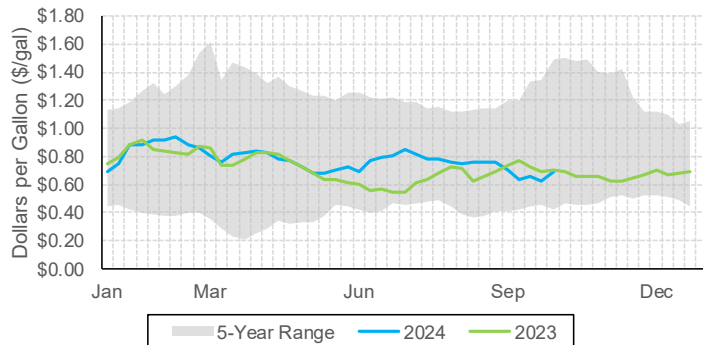
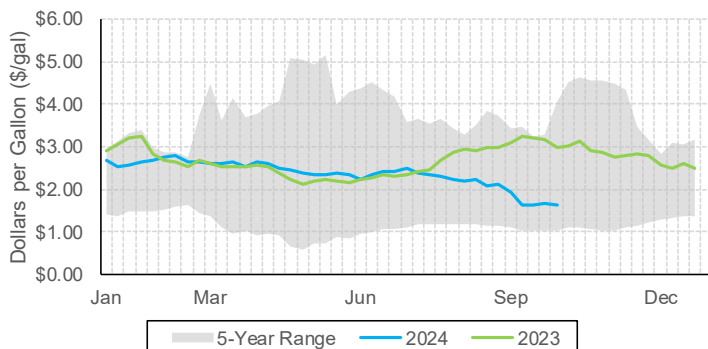
Notes:

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

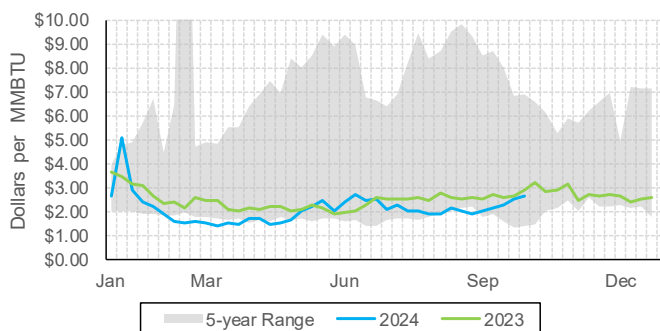
Heating Fuel Prices Summary

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				
	9/30/2024	9/23/2024	% Difference	Prior Year	% Difference
Ultra-low #2 Heating Oil Posted Credit Prices (dollars per gallon) ²	\$3.547	\$3.536	0.3%	\$4.102	-13.5%
Propane Posted Credit Prices - 1,100 gallon usage (dollars per gallon) ²	\$2.887	\$2.885	0.0%	\$3.472	-16.9%
Kerosene Posted Credit Prices (dollars per gallon) ²	\$4.277	\$4.243	0.8%	\$5.521	-22.5%
Monthly USEIA Reporting	July 2024	June 2024	% Difference	July 2023	% Difference
Monthly Average Residential Natural Gas Prices (dollars per Therm) ³	\$2.248	\$2.070	8.6%	\$2.105	6.8%

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

[Home Heating Oil Prices Dashboard](#)

[Kerosene Prices Dashboard](#)

[Propane Prices Dashboard](#)

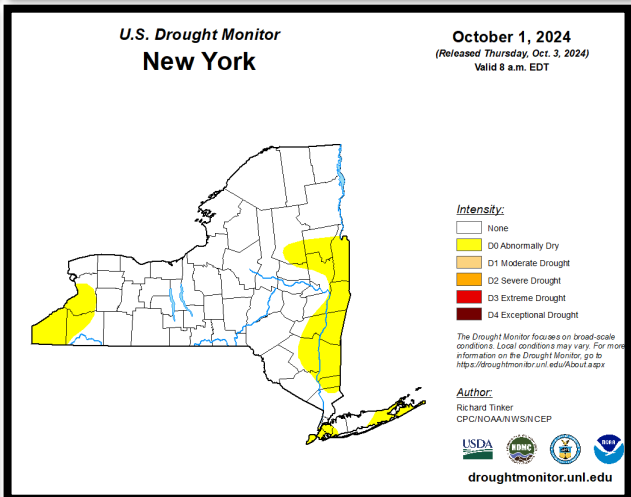
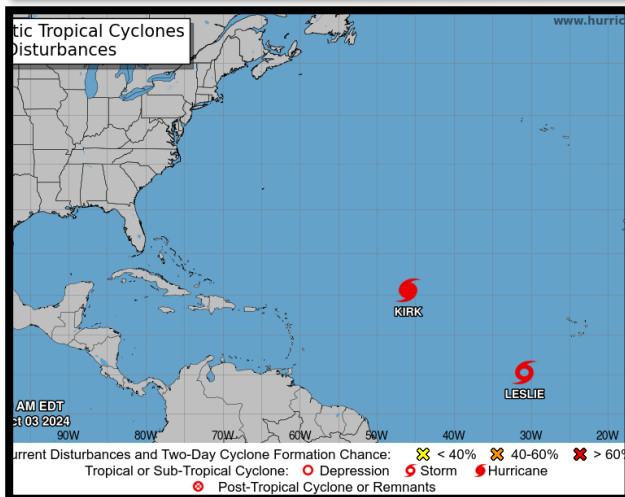
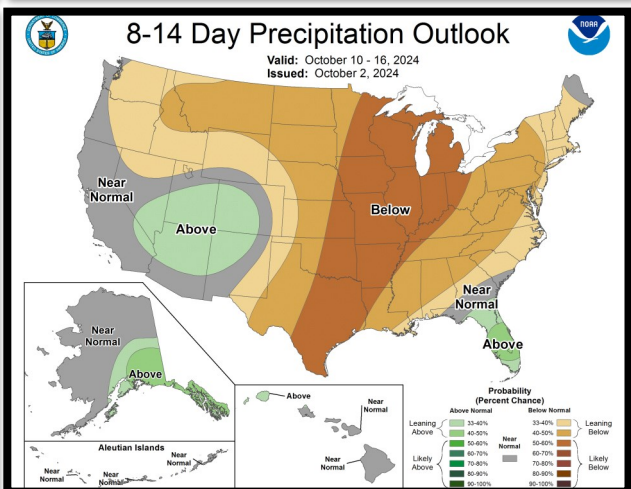
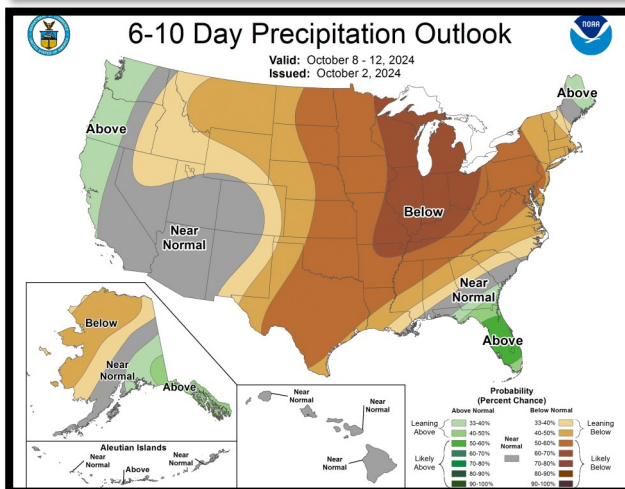
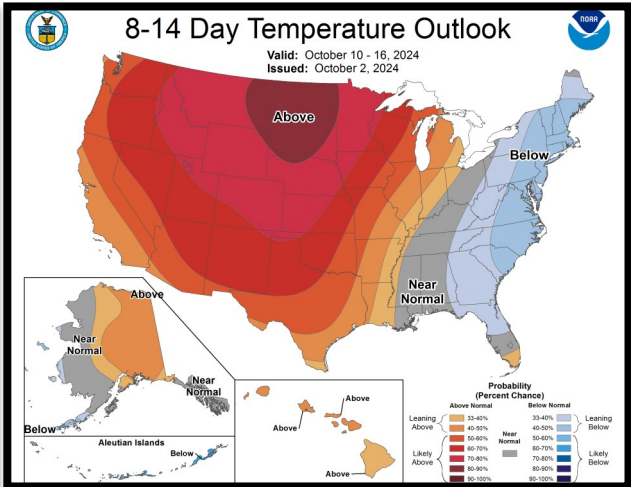
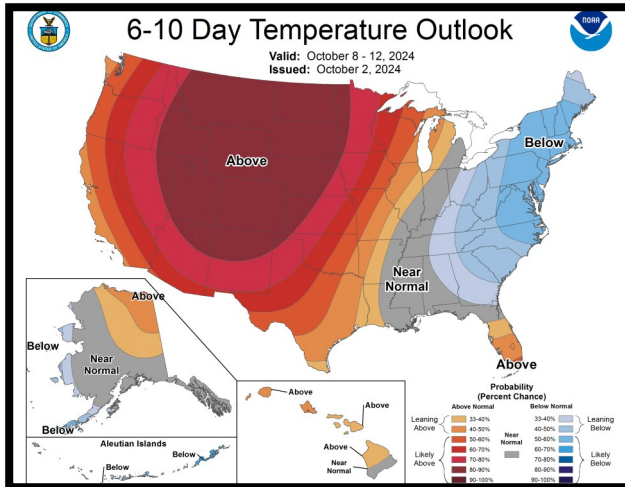
Heating fuels retail price summaries presented in this report and on the NYSERDA dashboards are part of the USEIA State Heating Oil and Propane Program/ NYSERDA Heating Fuel Prices surveys.

During the spring and summer 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. Weekly surveys resumed on August 26th 2024.

Notes:

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

Weather Outlook and Seasonal Threat Monitoring

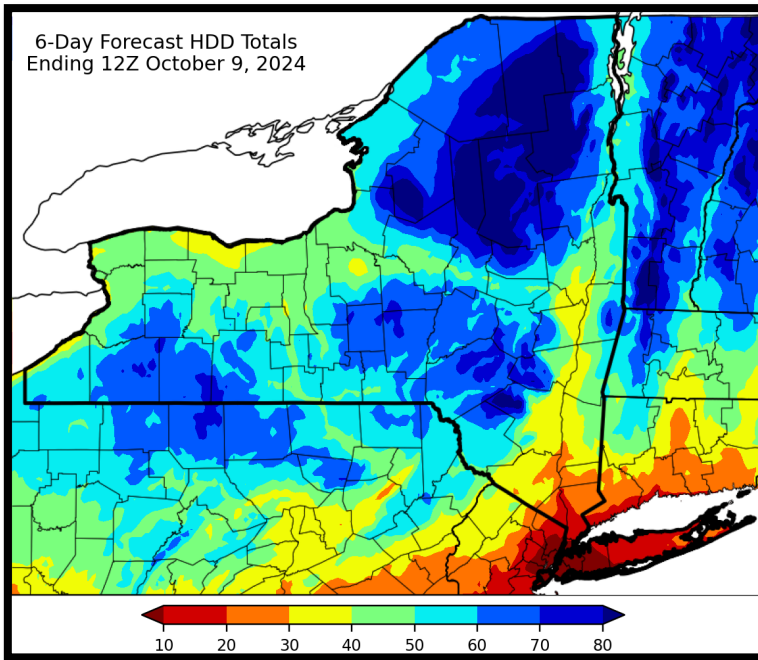


Detailed information for tropical cyclones and disturbances, including forecast cones, are available at the [National Hurricane Center](https://www.nhc.noaa.gov).

Notes:

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

Heating Degree Days Outlook and Summary

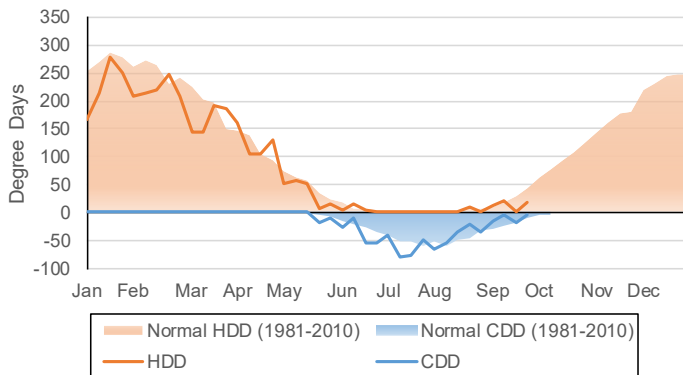


City	6-Day HDD Forecast	Normal	% Difference
Albany	28	60	-53%
Binghamton	56	76	-26%
Buffalo	41	58	-29%
Glens Falls	41	80	-49%
Massena	60	82	-27%
NYC	6	21	-71%
Rochester	35	57	-39%
Syracuse	36	61	-41%
Watertown	43	76	-43%

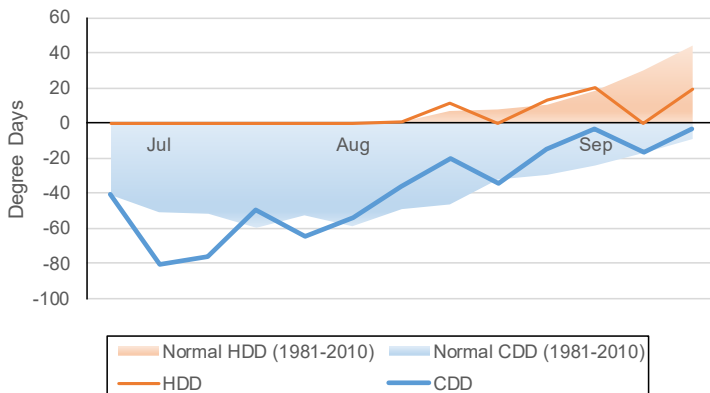
Forecast Dates:
10/03/2024 - 10/08/2024

Notes:
1. M = Missing data

NYS Degree Day Weekly Summary: Current Year



NYS Degree Day Weekly Summary: 2-Month History



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. Cooling degree day (CDD) forecast from NOAA & Northeast Regional Climate Center at Cornell University (NRCC). See references section for detailed citations.
2. Heating degree day (HDD) and 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.

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.

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.

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.

National and Regional Price Summaries

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

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

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

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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/>.

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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/.

NOAA. 2023. National Hurricane Center and Central Pacific Hurricane Center. Atlantic Tropical Cyclones and Disturbances. Available online: <https://www.nhc.noaa.gov/>.

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

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

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

Developed weekly by the NYSERDA Policy, Analysis and Research Group .

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