

Overall Energy & Fuels Markets Summary

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

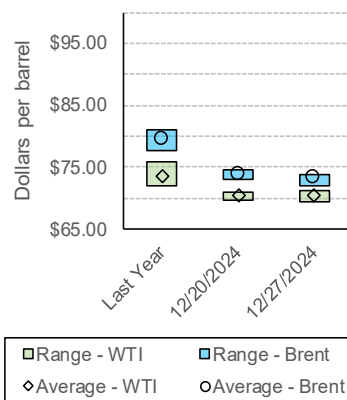
Issue Contents:

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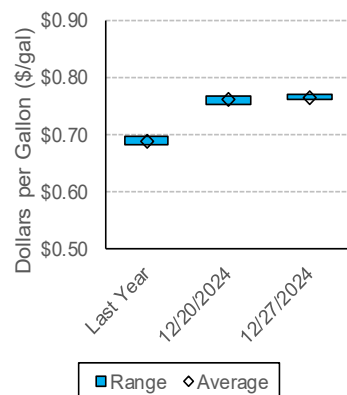
Note:
 1. Data from USEIA, see references section for detailed citations. Visualizations by NYSERDA.
 2. Graphics summarize available USEIA data from the most recent week ending on Fridays, noted by the date.

Fundamental Fuels Market Weekly Price Summaries

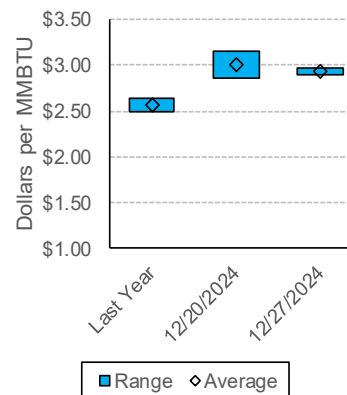
Crude Oil Spot Price



Propane Mt. Belvieu Spot Price

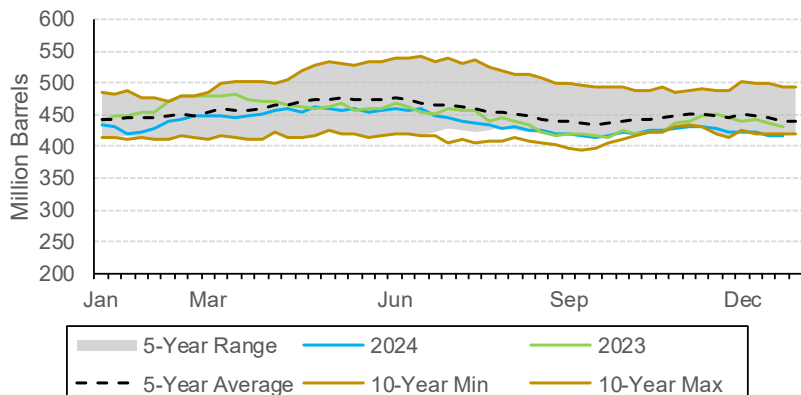


Natural Gas Henry Hub Spot Price

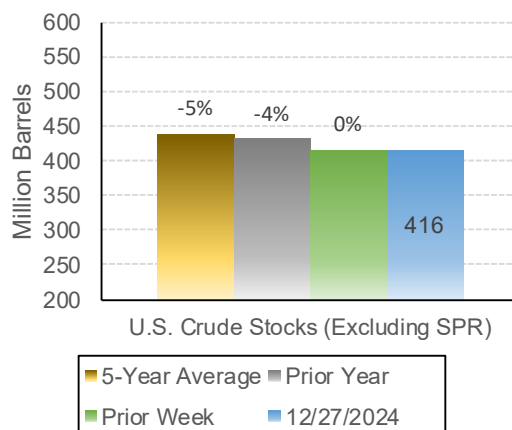


National Crude and East Region Natural Gas Inventories

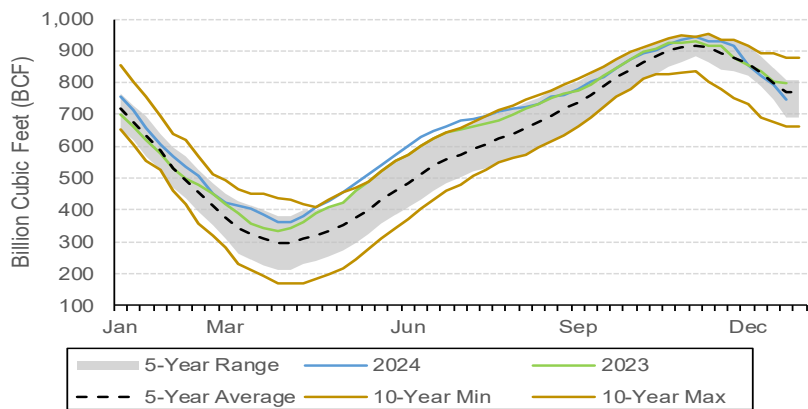
U.S. Crude Weekly Stocks (Excluding Strategic Petroleum Reserve)



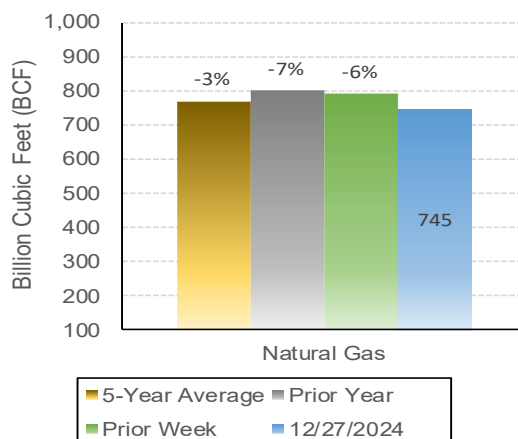
Historical Comparison



East Region: Natural Gas Working Underground Storage



Historical Comparison

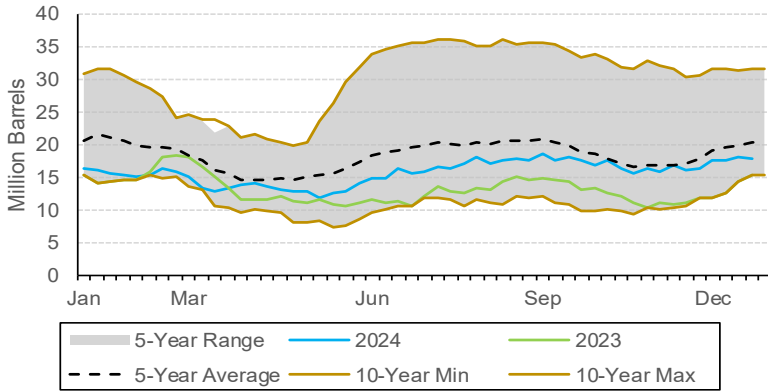


Note:

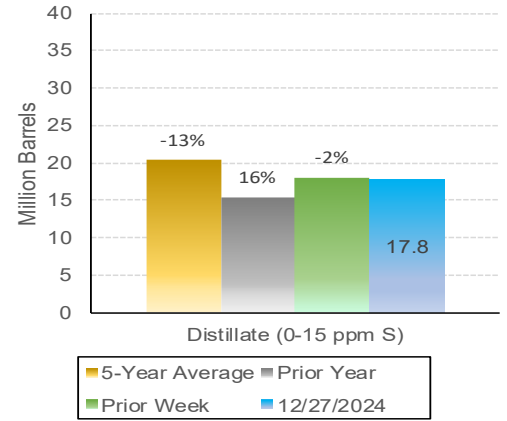
1. Data from USEIA, see references section for detailed citations. Visualizations by NYSERDA.
2. Graphics summarize available USEIA data from the most recent week ending on Fridays.
3. Historical comparison bar chart percentages reflect current week. Positive values indicate current week is greater,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

Regional Inventories: Select Liquid Fuels

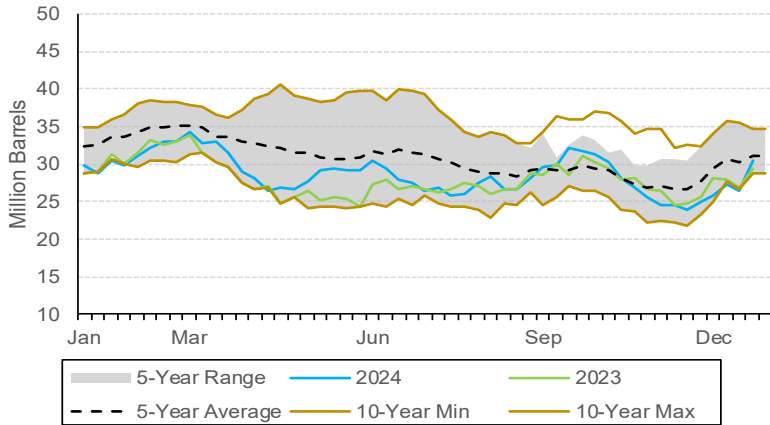
PADD 1B: Distillate (0 - 15 ppm S) Weekly Stocks



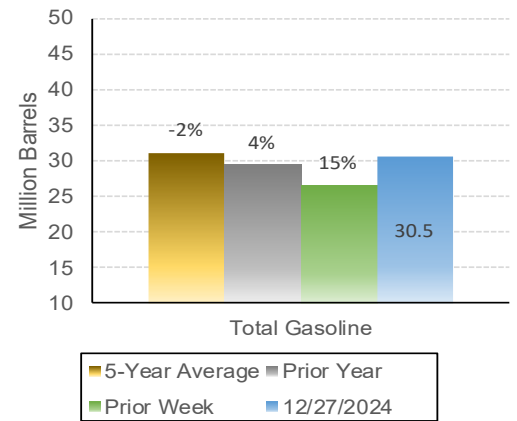
Historical Comparison



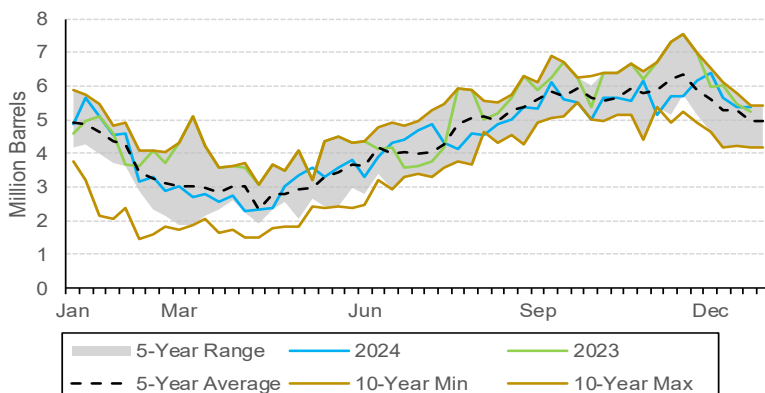
PADD 1B: Total Gasoline Weekly Stocks



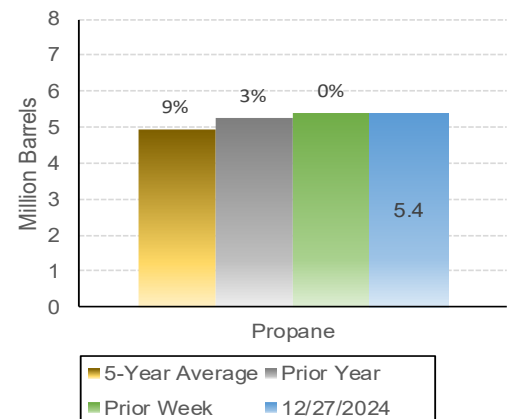
Historical Comparison



PADD 1B: Propane and Propylene Weekly Inventory



Historical Comparison

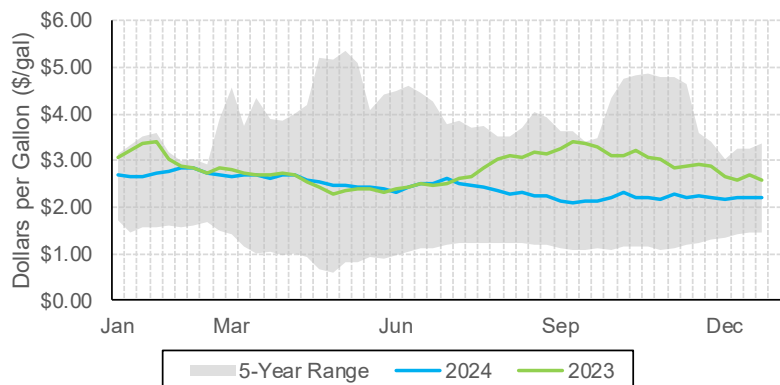


Notes:

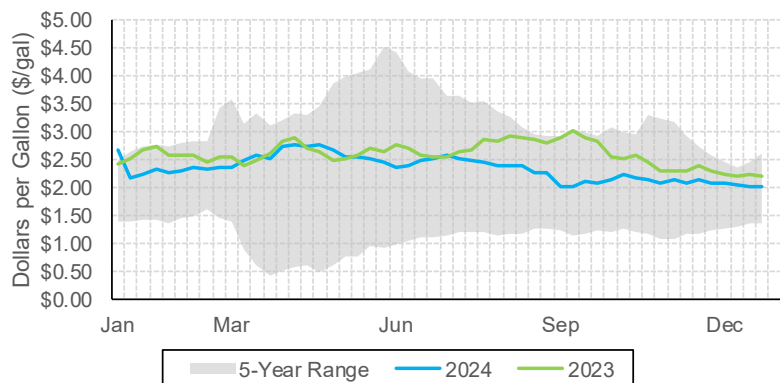
1. Data from USEIA, see references section for detailed citations. Visualizations by NYSDERDA.
2. Historical comparison bar chart percentages reflect current week. Positive values indicate current week is greater, negative values indicate current week is less than the historical value.

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 | | | | |
|--|---------------------------|------------|--------------|------------|--------------|
| | 12/27/2024 | 12/20/2024 | % Difference | Prior Year | % Difference |
| Regular Gasoline (dollars per gallon) ² | \$3.131 | \$3.140 | -0.3% | \$3.376 | -7.3% |
| On-road Diesel (dollars per gallon) ² | \$3.846 | \$3.857 | -0.3% | \$4.483 | -14.2% |

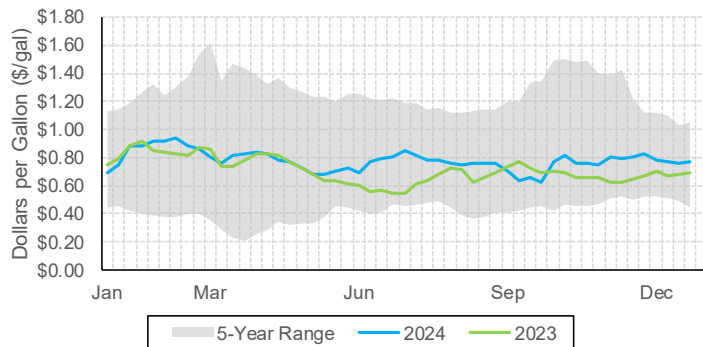
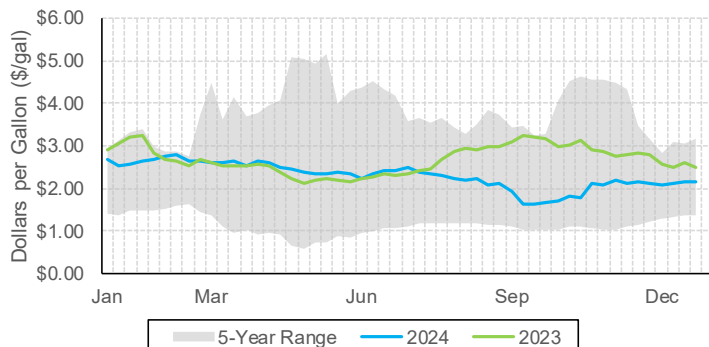
Notes:

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.

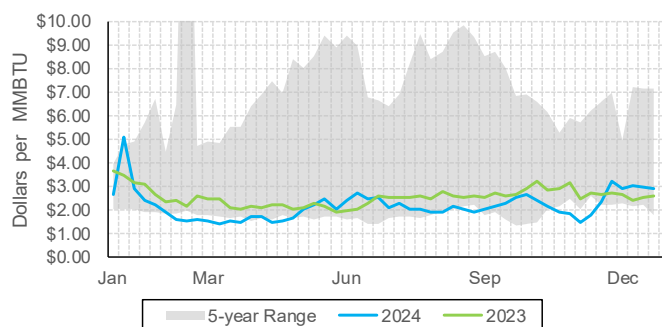
Heating Fuel Prices Summary

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 | | | | |
|---|---------------------------|-------------|--------------|----------------|--------------|
| | 12/30/2024 | 12/23/2024 | % Difference | Prior Year | % Difference |
| Ultra-low #2 Heating Oil Posted Credit Prices (dollars per gallon) ² | \$3.726 | \$3.738 | -0.3% | \$4.102 | -9.2% |
| Propane Posted Credit Prices - 1,100 gallon usage (dollars per gallon) ² | \$3.307 | \$3.299 | 0.3% | \$3.472 | -4.7% |
| Kerosene Posted Credit Prices (dollars per gallon) ² | \$4.436 | \$4.401 | 0.8% | \$5.521 | -19.7% |
| Monthly USEIA Reporting | September 2024 | August 2024 | % Difference | September 2023 | % Difference |
| Monthly Average Residential Natural Gas Prices (dollars per Therm) ³ | \$2.271 | \$2.255 | 0.7% | \$2.030 | 11.9% |

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

[Home Heating Oil Prices Dashboard](#)

[Kerosene Prices Dashboard](#)

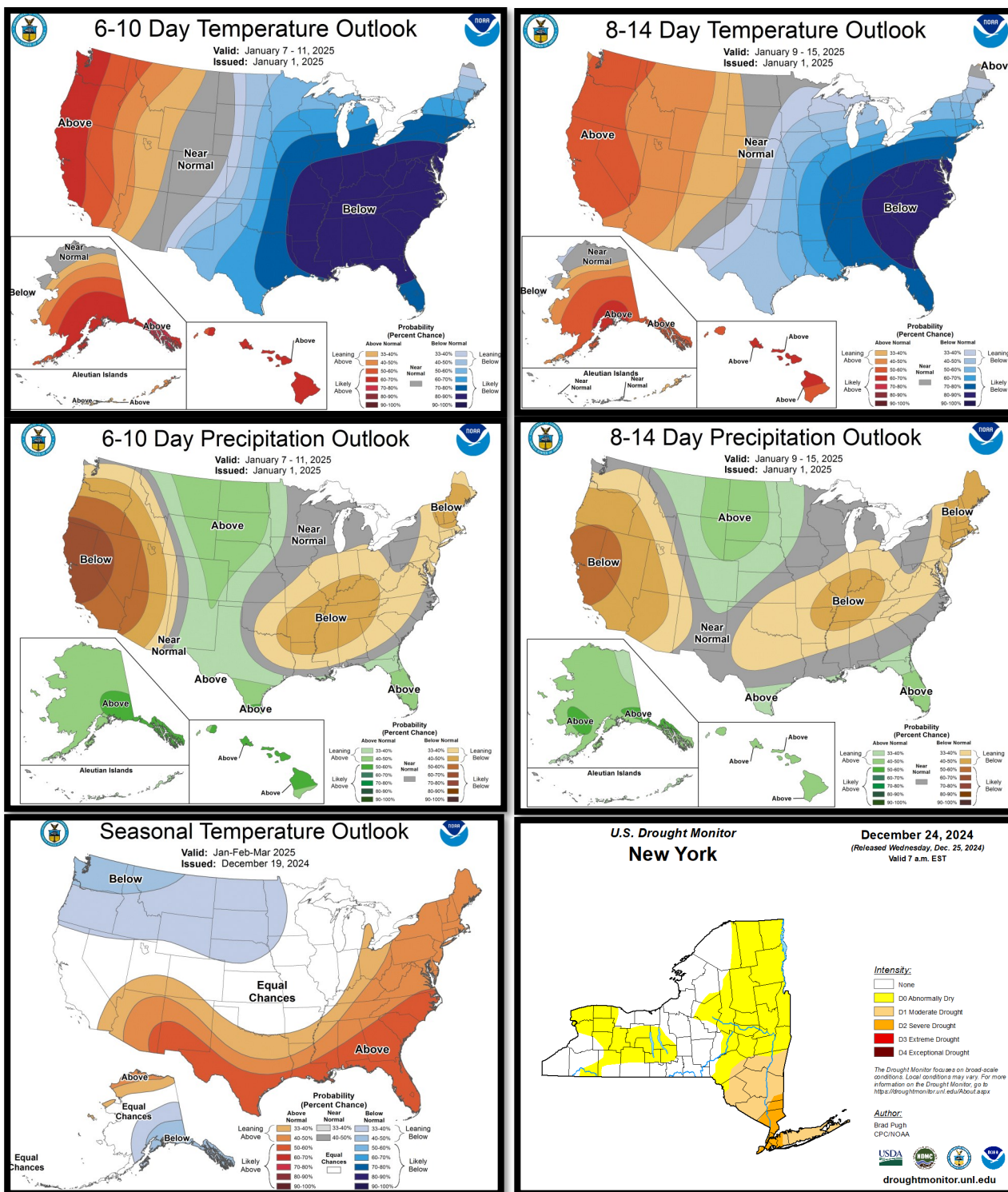
[Propane Prices Dashboard](#)

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.

Notes:

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

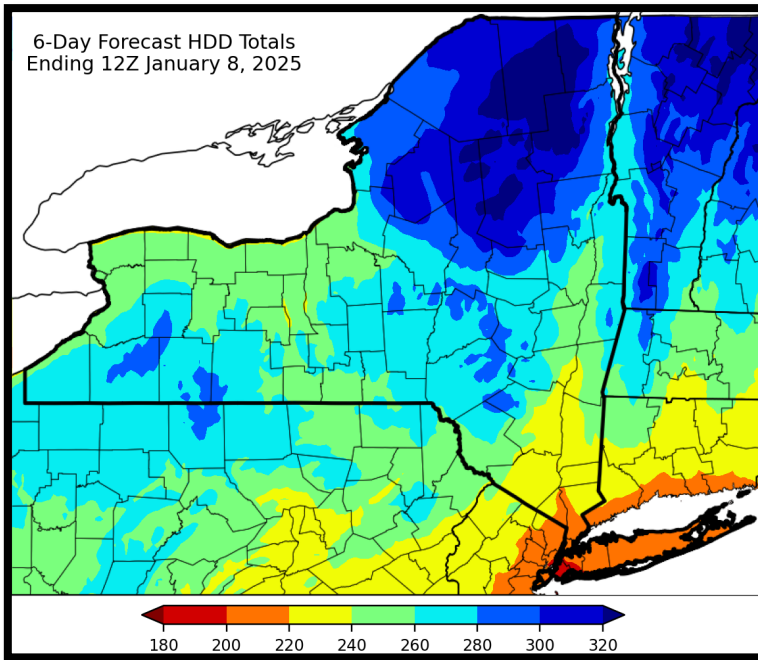
Weather Outlook and Seasonal Threat Monitoring



Notes:

1. Temperature and precipitation outlook graphics from NOAA. See references section for detailed citations.
2. Seasonal threat monitoring for winter season. Graphics from NOAA. 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.

Degree Days Outlook and Summary

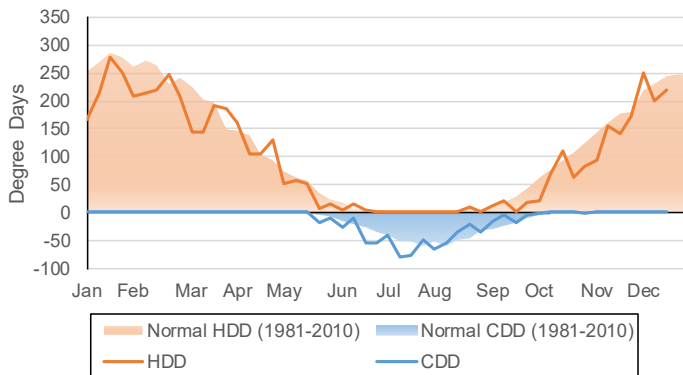


| City | 6-Day HDD Forecast | Normal | % Difference |
|-------------|--------------------|--------|--------------|
| Albany | 244 | 236 | 3% |
| Binghamton | 257 | 248 | 4% |
| Buffalo | 246 | 228 | 8% |
| Glens Falls | 251 | 262 | -4% |
| Massena | 300 | 285 | 5% |
| NYC | 196 | 177 | 11% |
| Rochester | 240 | 225 | 7% |
| Syracuse | 249 | 237 | 5% |
| Watertown | 274 | 260 | 5% |

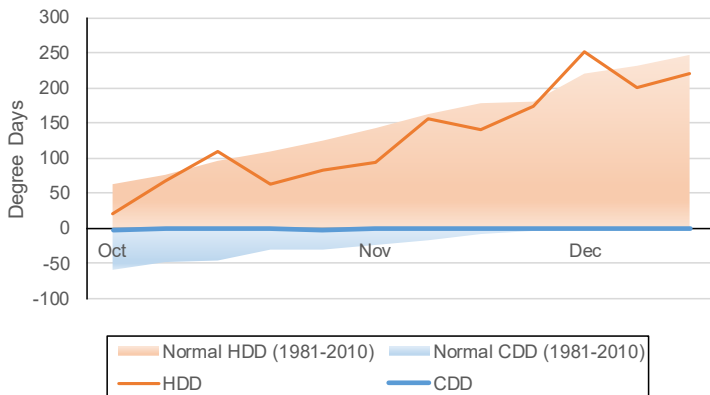
Forecast Dates:
01/02/2025 - 01/07/2025

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 NYSDERDA resources:

[Heating Degree Data](#)

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

Notes:

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

References

National and Regional Fuel Inventories

USEIA. 2024. U.S. Stocks of Crude Oil and Petroleum Products. Available online:

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USEIA & NYSERDA. 2024. State Heating Oil and Propane Program/NYSERDA Heating Fuel Prices Survey.

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Weather Outlook and Data

National Oceanic and Atmospheric Administration (NOAA). 2024. National Weather Service Climate Prediction Center. Temperature and Precipitation Outlooks. Available online: <https://www.cpc.ncep.noaa.gov/>.

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NOAA. 2024. National Weather Service Climate Prediction Center. Degree Days Statistics. Available online:

https://www.cpc.ncep.noaa.gov/products/analysis_monitoring/cdus/degree_days/.

National Drought Mitigation Center. 2024. 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 Energy Markets team, part of the Policy, Analysis, and Research Group. For any questions, please reach out to:

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