

2021/22 Winter Propane Market Update



March 2, 2022 | Washington, DC

(Inventory data as of 02/25/22; residential heating fuel prices as of 02/28/22)

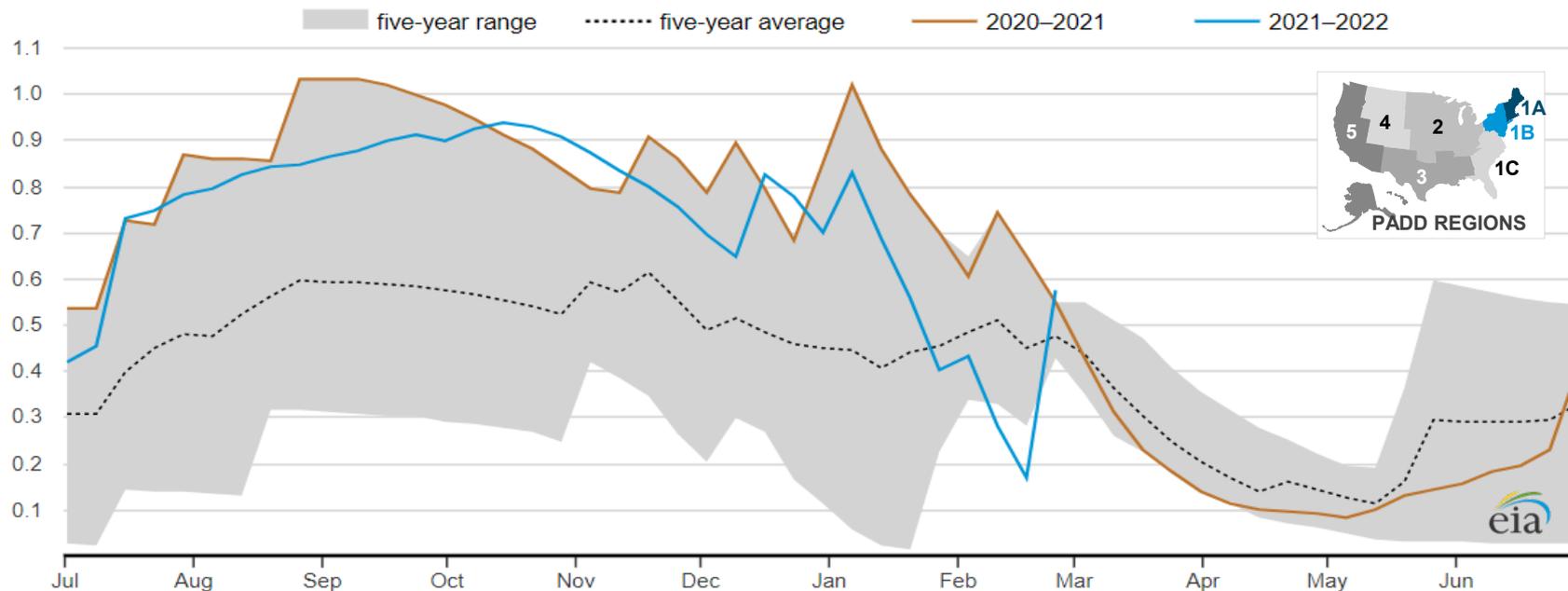
By

U.S. Energy Information Administration

PADD 1A (New England) propane inventories above the 5-year range

New England (PADD 1A) ending stocks of propane and propylene

million barrels



Source: U.S. Energy Information Administration, *Weekly Petroleum Status Report*, March 02, 2022

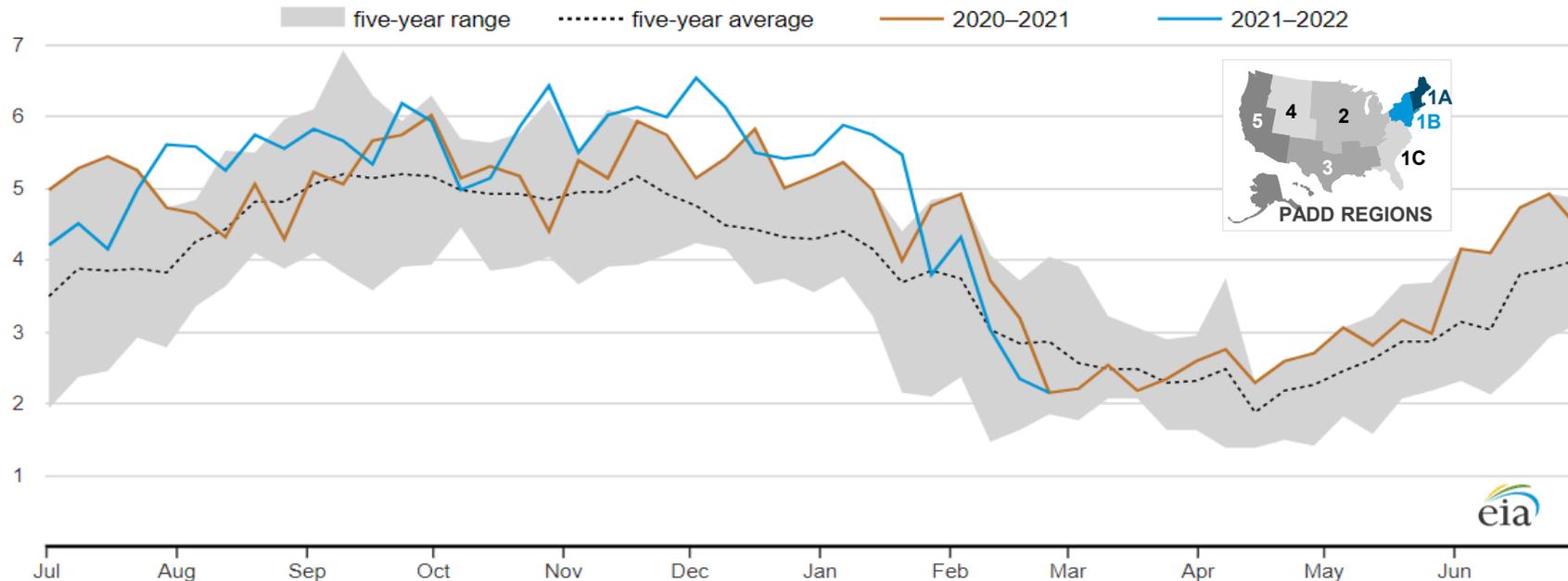
Note: PADD 1A is composed of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

data through February 25, 2022

*includes propylene stocks at refineries

PADD 1B (Mid-Atlantic) propane inventories below the 5-year average

Central Atlantic (PADD 1B) ending stocks of propane and propylene
million barrels



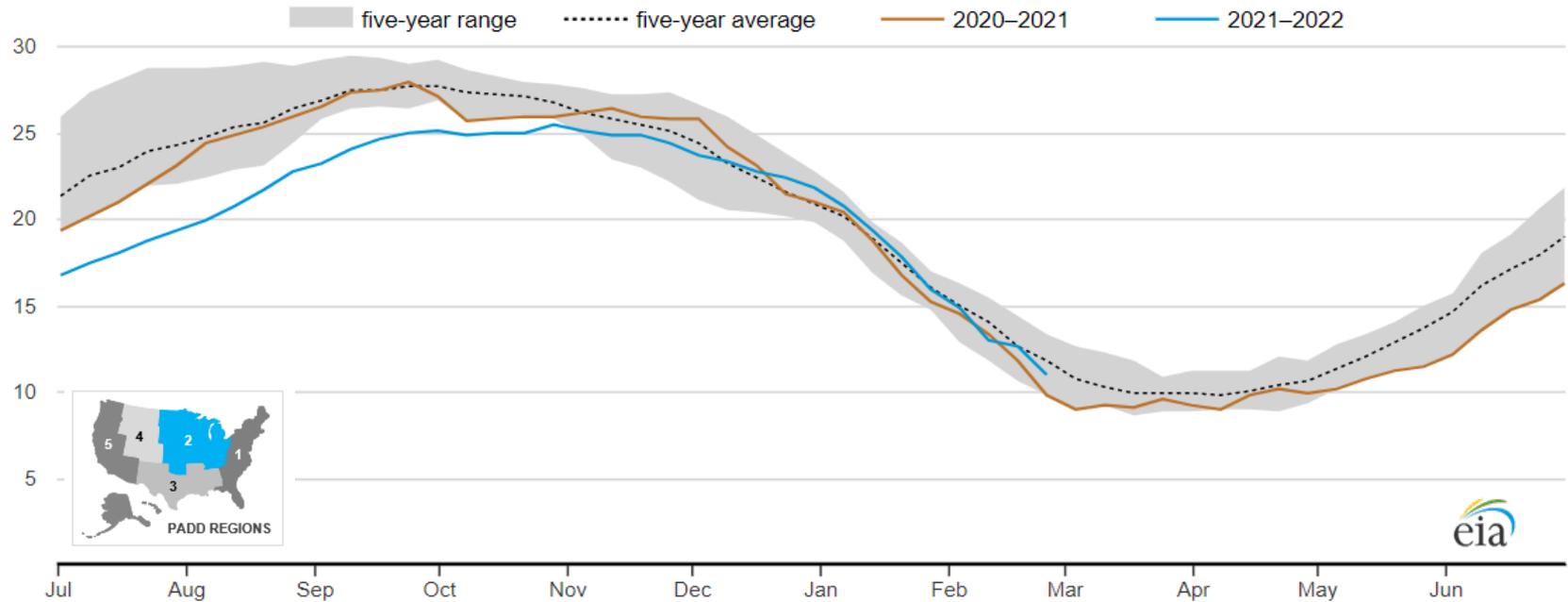
Source: U.S. Energy Information Administration, *Weekly Petroleum Status Report*, March 02, 2022

Note: PADD 1B is composed of Delaware, District of Columbia, Maryland, New Jersey, New York, and Pennsylvania.
data through February 25, 2022

*includes propylene stocks at refineries

PADD 2 (Midwest) propane inventories below the 5-year average

Midwest (PADD 2) ending stocks of propane and propylene
million barrels



Source: U.S. Energy Information Administration, *Weekly Petroleum Status Report*, March 02, 2022

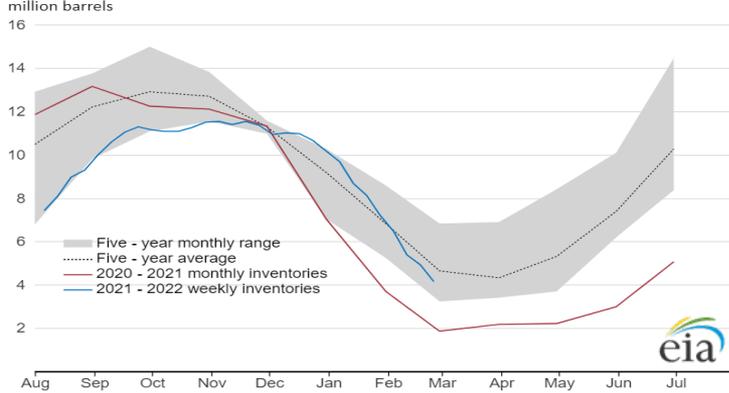
Note: PADD 2 is composed of Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Oklahoma, South Dakota, Tennessee, and Wisconsin.

data through February 25, 2022

*includes propylene stocks at refineries

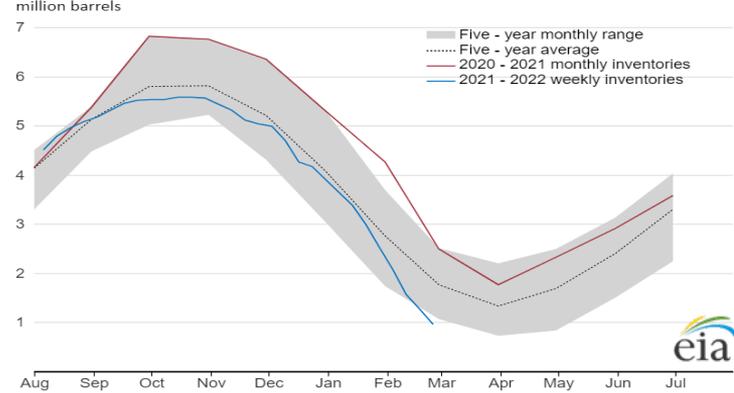
Selected state propane* inventories

Kansas propane/propylene stock at refineries, terminals, and natural gas plants (not pipelines)



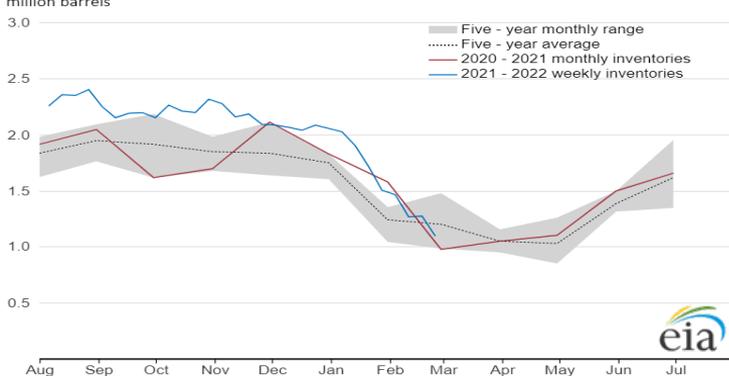
Source: U.S. Energy Information Administration, *Petroleum Supply Monthly and Weekly Petroleum Status Report*

Michigan propane/propylene stock at refineries, terminals, and natural gas plants (not pipelines)



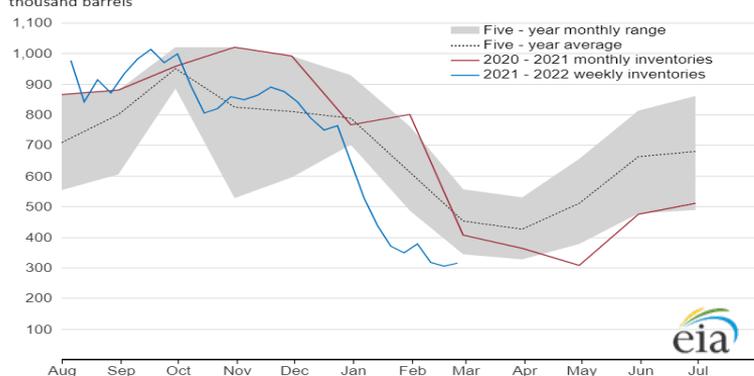
Source: U.S. Energy Information Administration, *Petroleum Supply Monthly and Weekly Petroleum Status Report*

Illinois, Indiana, Ohio propane/propylene stock at refineries, terminals, and natural gas plants (not pipelines)



Source: U.S. Energy Information Administration, *Petroleum Supply Monthly and Weekly Petroleum Status Report*

Iowa, Minnesota, Wisconsin propane/propylene stock at refineries, terminals, and natural gas plants (not pipelines)



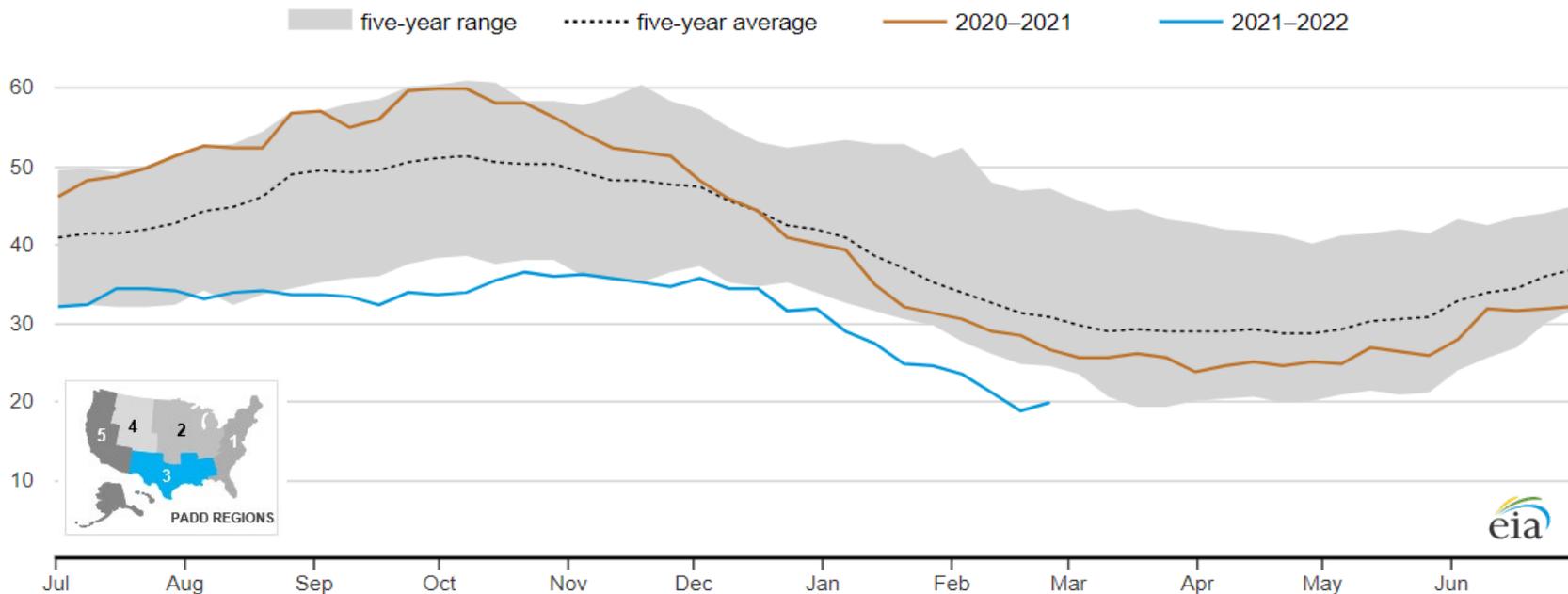
Source: U.S. Energy Information Administration, *Petroleum Supply Monthly and Weekly Petroleum Status Report*

Note: data through February 25, 2022

*includes propylene stocks at refineries

PADD 3 (Gulf Coast) propane inventories below the 5-year range

Gulf Coast (PADD 3) propane/propylene inventories
million barrels



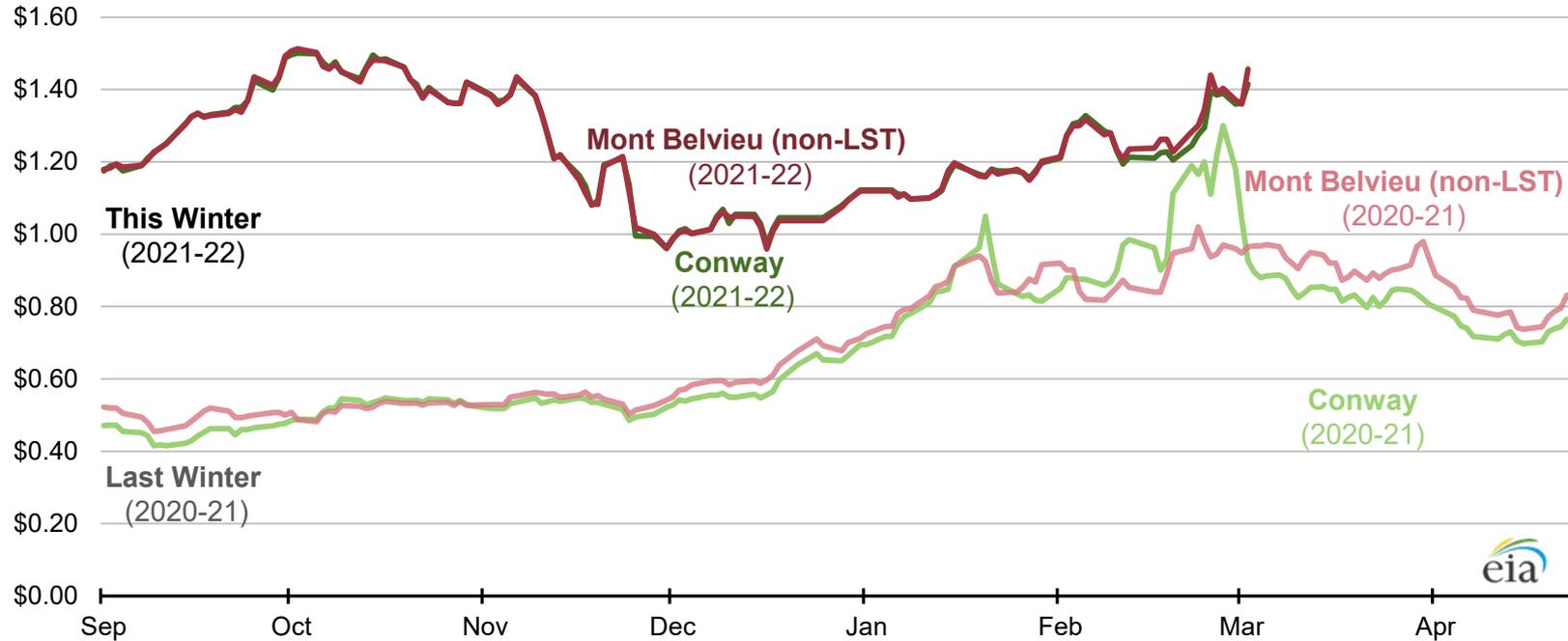
Source: U.S. Energy Information Administration, *Weekly Petroleum Status Report*, March 02, 2022

Note: PADD 3 is composed of Alabama, Arkansas, Louisiana, Mississippi, New Mexico, and Texas.
data through February 25, 2022

*includes propylene stocks at refineries

Conway, KS propane spot price remains at a discount to the Mt. Belvieu, TX hub at the beginning of March

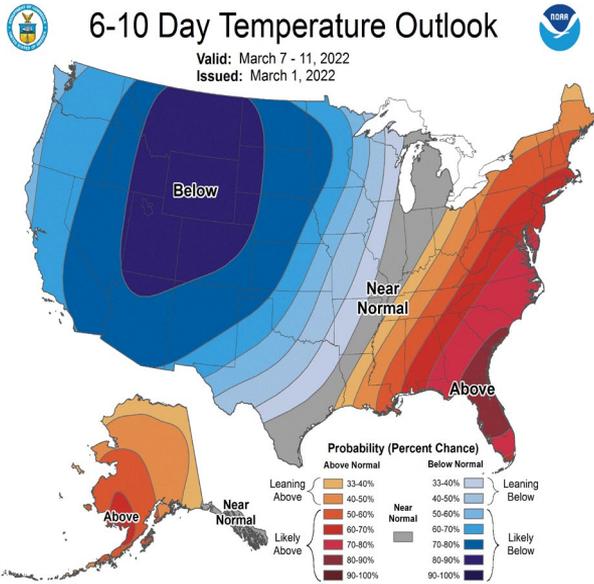
Propane spot prices (Conway, KS and Mont Belvieu, TX)
dollars per gallon (\$/gal)



Source: Graph created by the U.S. Energy Information Administration, based on data from Bloomberg, data through March 1, 2022

NOAA's projected temperatures:

March 7 – Mar. 11, 2022, and March 9 – Mar. 15, 2022



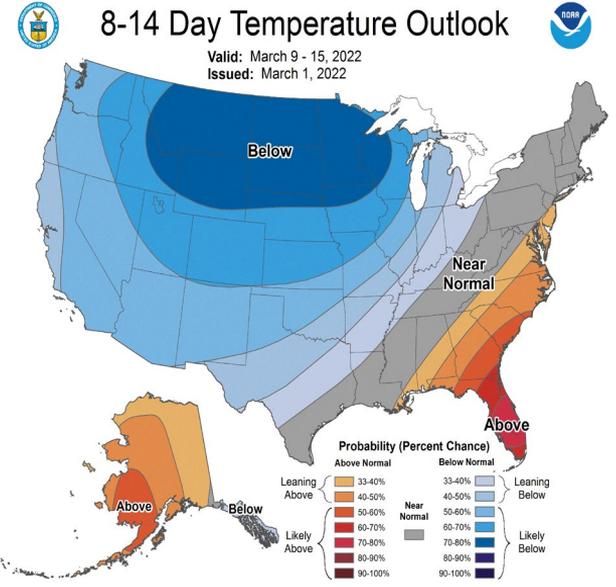
A = temperatures above normal

N = equal chance that temperatures are above normal, normal, or below normal

B = temperatures below normal

Source: [NOAA](https://www.noaa.gov), Mar. 1, 2022

Petroleum Administration for Defense Districts (PADDs)

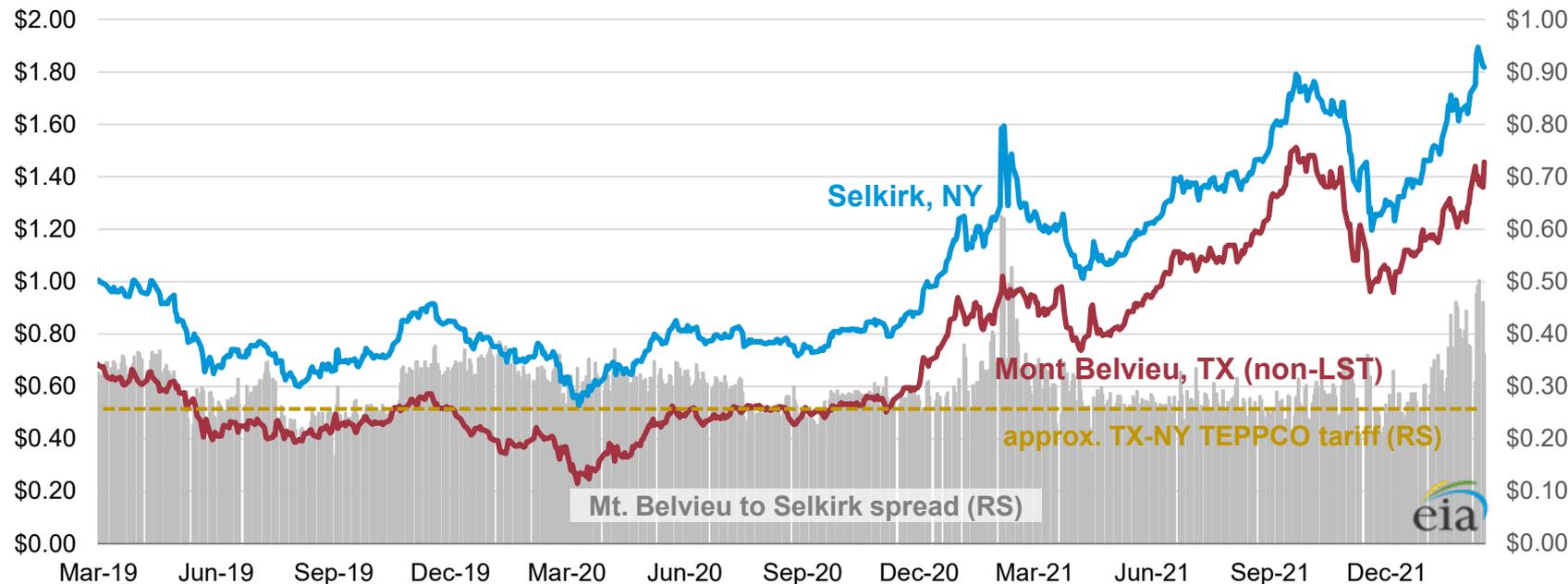


- NOAA forecasts a high probability of above-normal temperatures along the Eastern Seaboard early in the forecast, with the highest probability in the lower-Atlantic. There is chance of below-normal temperatures in most states west of the Mississippi, with the highest probability in the Rockies. Later in the forecast, the cooler-than-normal weather is forecasted to move east, enveloping the Great Lakes.
- Propane heating demand will likely be below average in PADD 1 and above average in PADDs 2, 4, and 5, while remaining average in PADD 3.

Northeast propane prices, usually dictated by tariff on the TEPPCO* pipeline, remain at a sufficiently-high premium this week to pull additional product from the waterborne market in the Atlantic Basin

propane spot prices
dollars per gallon

propane price spread
dollars per gallon

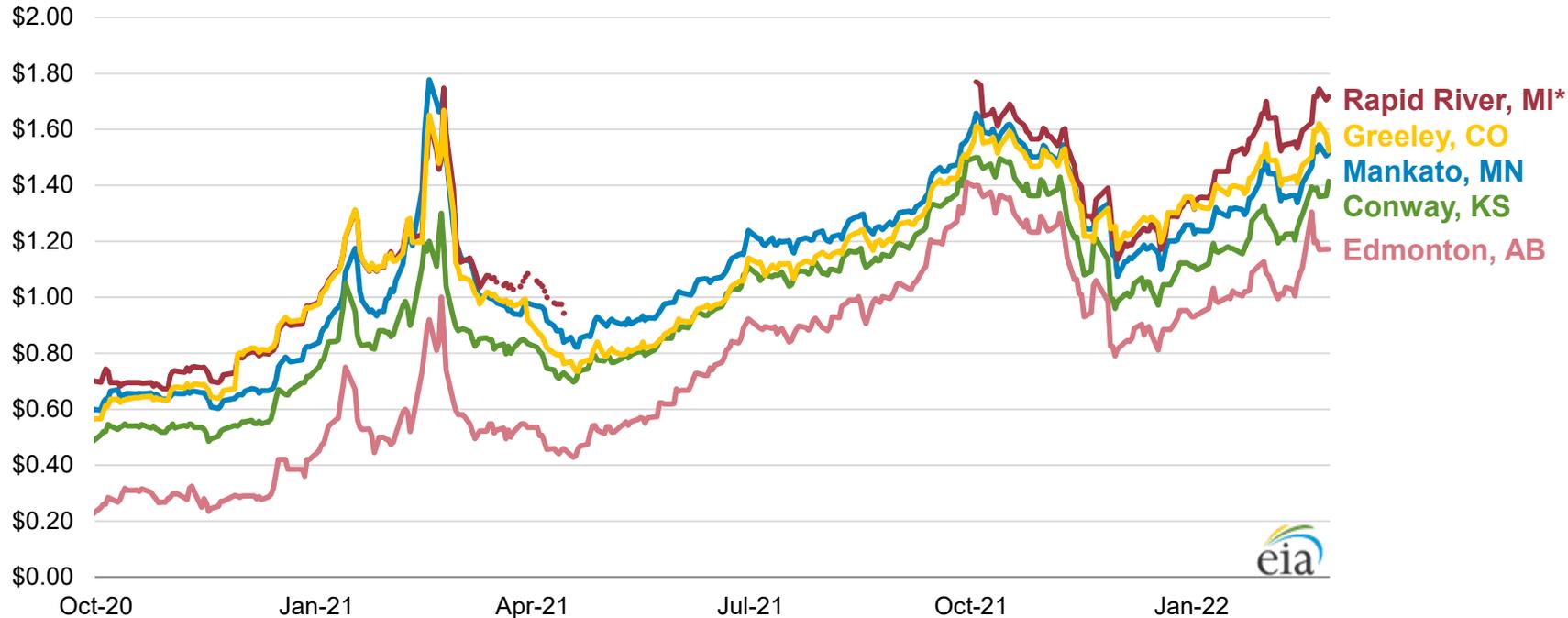


TEPPCO = Enterprise TE Products Pipeline Company LLC

Source: Graph created by the U.S. Energy Information Administration, based on data from Bloomberg, data through March 1, 2022; Enterprise Products Partners L.P., [Effective Tariffs](#), FERC No. 54.64.0

Prices at major Midwest market centers and Edmonton, AB slightly decreased this week, while wholesale prices at Conway, KS are higher

propane spot prices
dollars per gallon



Source: Graph created by the U.S. Energy Information Administration, based on data from Bloomberg through March 1, 2022

*Rapid River, MI rack prices unavailable during summer months

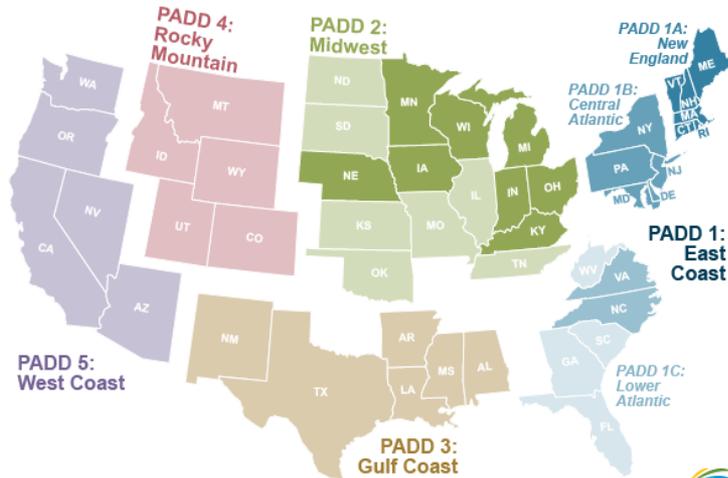
State Heating Oil and Propane Program (SHOPP) updates

- SHOPP is a collaborative program between states and EIA that provides weekly wholesale and retail prices for heating oil and propane at the state level.
- EIA expanded SHOPP in October 2014 to include 14 additional states in propane price data collection. In 2016, EIA added 10 new states to its wholesale propane price publication. This should be taken into consideration when comparing the average prices for the U.S., PADD 1, PADD 1B, PADD 1C, and PADD 2 averages.
- EIA has been providing more granular inventory data to states on a weekly basis since the 2016/2017 heating season.
- EIA implemented two new samples for residential heating oil and propane in October 2019. Under the new [sampling methodology](#), EIA is publishing [standard errors](#) for SHOPP prices.

Maps of states participating in Winter Fuels Survey

Petroleum Administration for Defense Districts

Winter Heating Fuels Survey — PADD 1 and 2 represented States



HEATING OIL



PADD 1: East Coast

PADD 1A: New England
Connecticut New Hampshire
Maine Rhode Island
Massachusetts Vermont

PADD 1B: Central Atlantic
Delaware New Jersey
District of Columbia New York
Maryland Pennsylvania

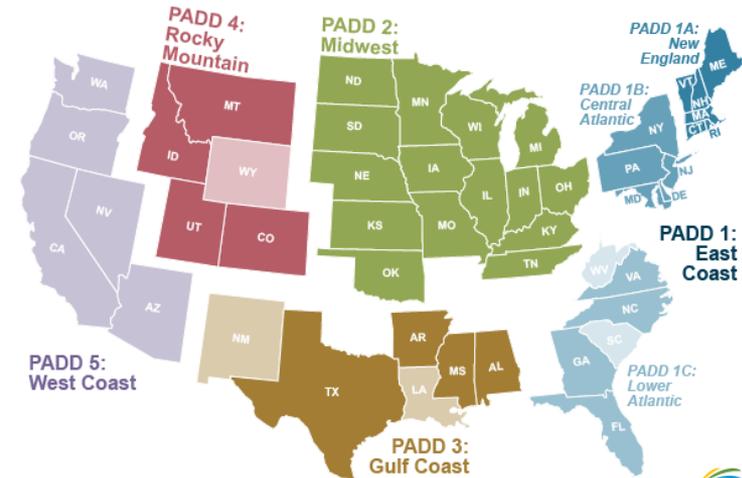
PADD 2: Midwest

Indiana Minnesota
Iowa Nebraska
Kentucky Ohio
Michigan Wisconsin

PADD 1C: Lower Atlantic
North Carolina Virginia

Petroleum Administration for Defense Districts

Winter Heating Fuels Survey — PADD 1, 2, 3, and 4 represented States



PROPANE



PADD 1: East Coast

PADD 1A: New England
Connecticut
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont

PADD 1B: Central Atlantic
Delaware
Maryland
New Jersey
New York
Pennsylvania

PADD 1C: Lower Atlantic
Florida
Georgia
North Carolina
Virginia

PADD 2: Midwest

Illinois Nebraska
Indiana North Dakota
Iowa Ohio
Kansas Oklahoma
Kentucky South Dakota
Michigan Tennessee
Minnesota Wisconsin
Missouri

PADD 3: Gulf Coast

Alabama Mississippi
Arkansas Texas

PADD 4: Rocky Mountain

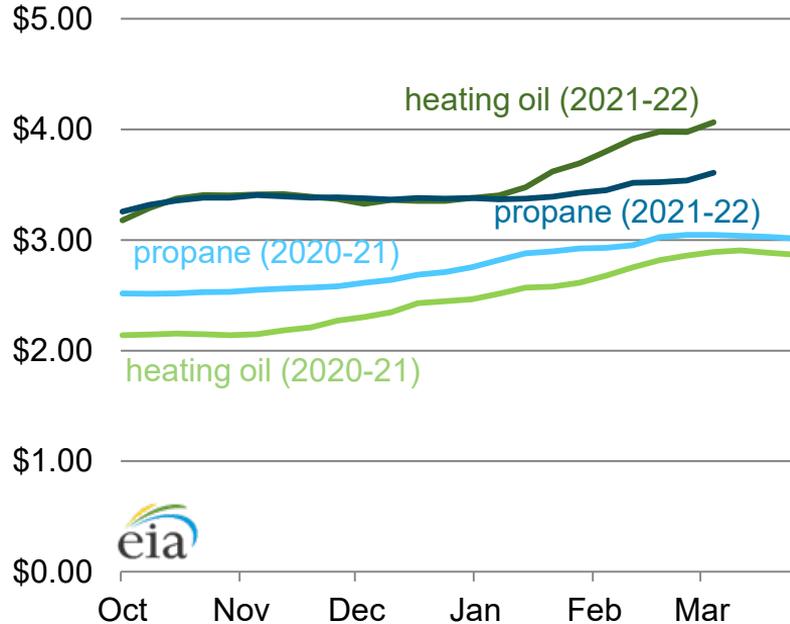
Colorado Montana
Idaho Utah

Source: EIA, [Heating Oil and Propane Update](#)

Retail propane and heating oil prices increased in PADDs 1 and 2 this week

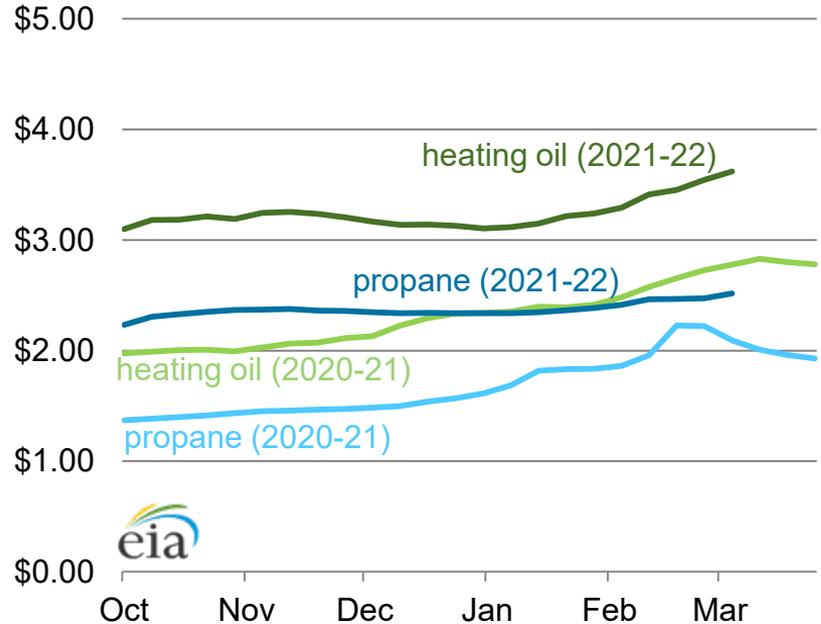
PADD 1

dollars per gallon



PADD 2

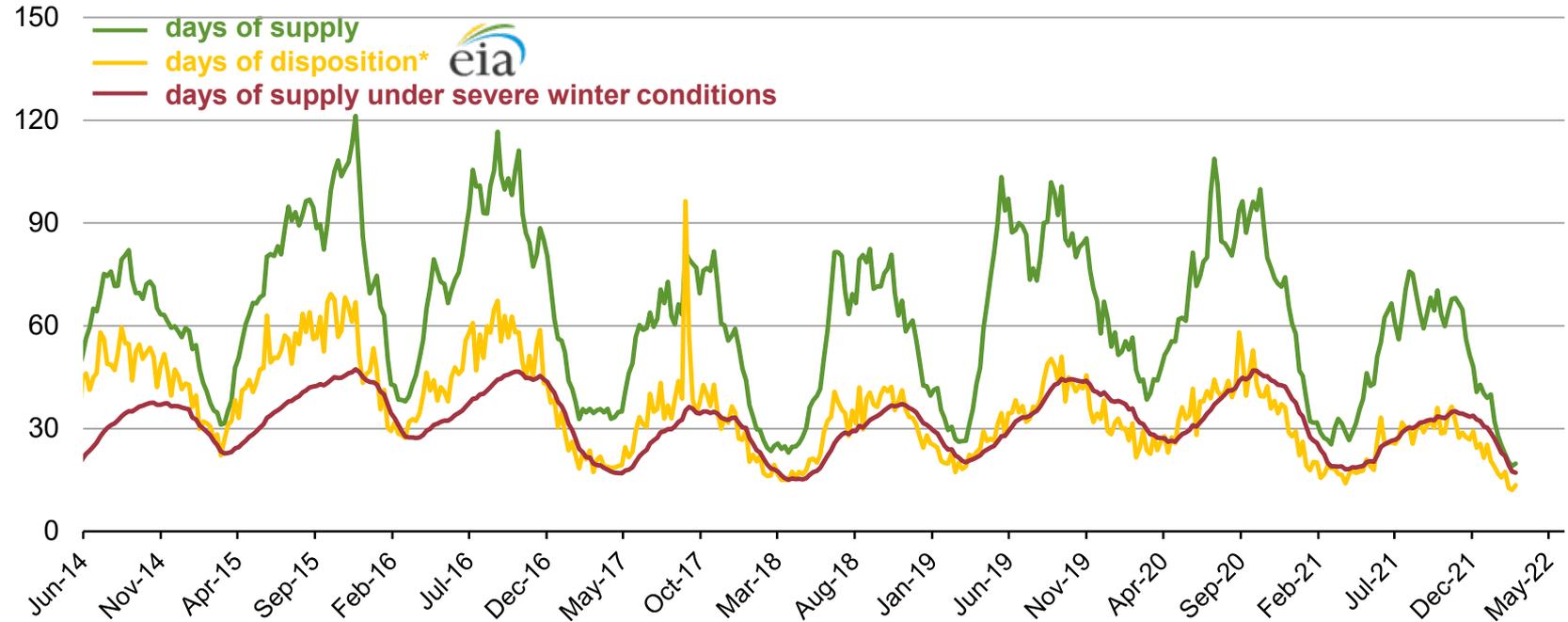
dollars per gallon



Source: State Heating Oil and Propane Program, data through February 28, 2022

Various days-of supply/disposition measures

U.S. weekly stocks of propane/propylene
days of supply & disposition



Note: *disposition = domestic product supplied + exports

Source: U.S. Energy Information Administration, Weekly Petroleum Status Report, data through February 25, 2021

For more information, please see EIA's [webinar on Propane Market Indicators and Measures of Supply Adequacy](#)

For more information

U.S. Energy Information Administration home page | www.eia.gov

State Energy Portal | www.eia.gov/state

Winter Heating Fuels Site | www.eia.gov/special/heatingfuels/

Movements of Propane by Rail |

http://www.eia.gov/dnav/pet/pet_move_railNA_a_EPLLPA_RAIL_mbb1_m.htm

Today in Energy | www.eia.gov/todayinenergy

Short-Term Energy Outlook | www.eia.gov/steo

Energy Explained – Hydrocarbon Gas Liquids |

http://www.eia.gov/energyexplained/index.cfm?page=hgls_home

Annual Energy Outlook | www.eia.gov/aeo

International Energy Outlook | www.eia.gov/ieo

Monthly Energy Review | www.eia.gov/mer