

April Newsmaker Breakfast

Putin's War of Choice: Impacts on Utah's Energy Prices

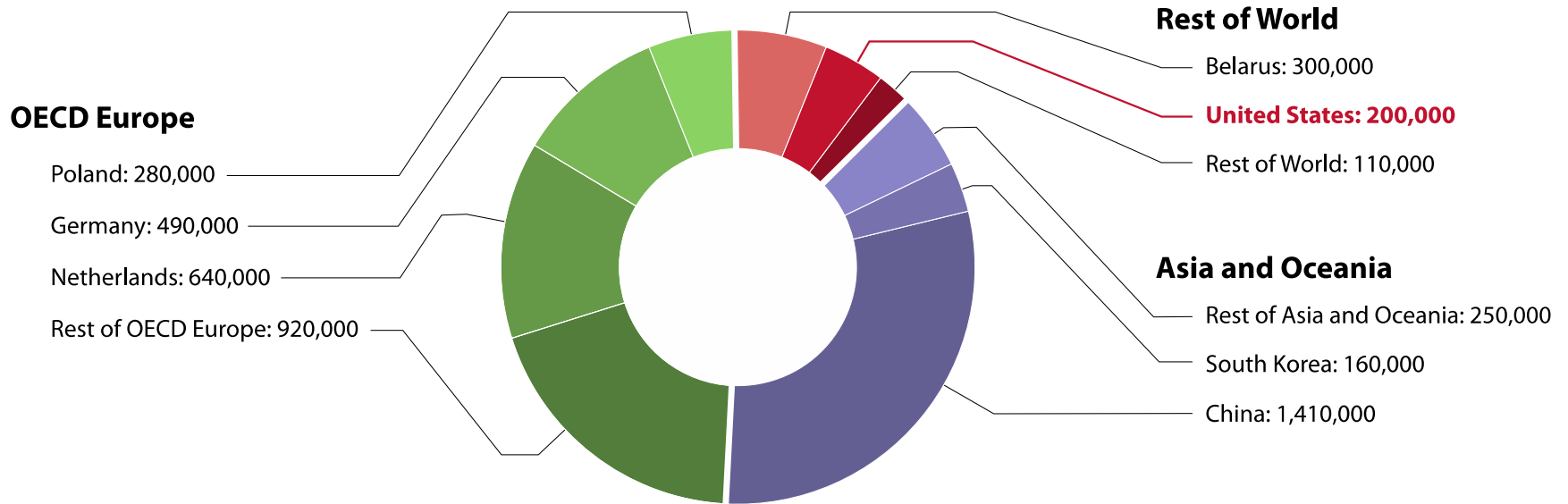
April 13, 2022



INFORMED DECISIONS™

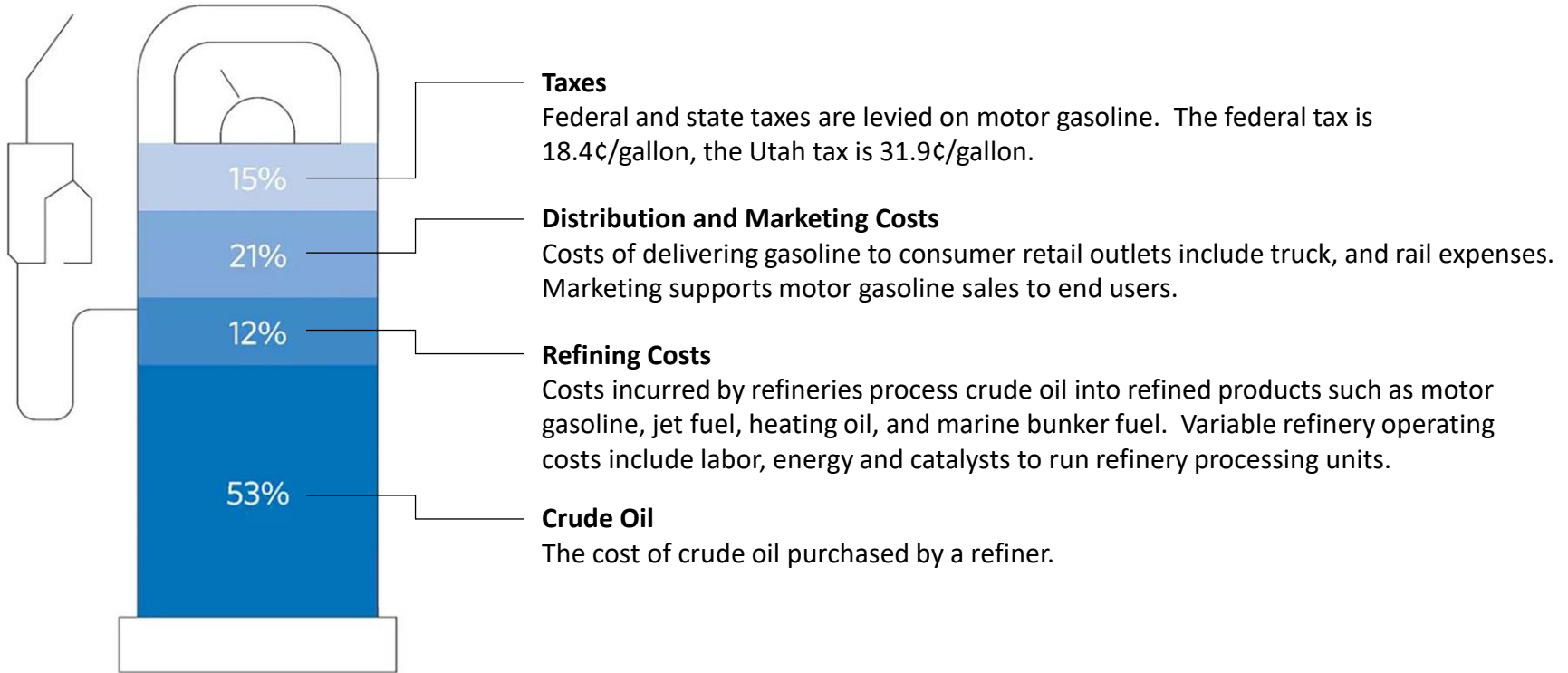
US exposure to Russian energy exports is smaller than Europe and Asia

Crude oil and condensate exports from Russia, barrels per day (2021)



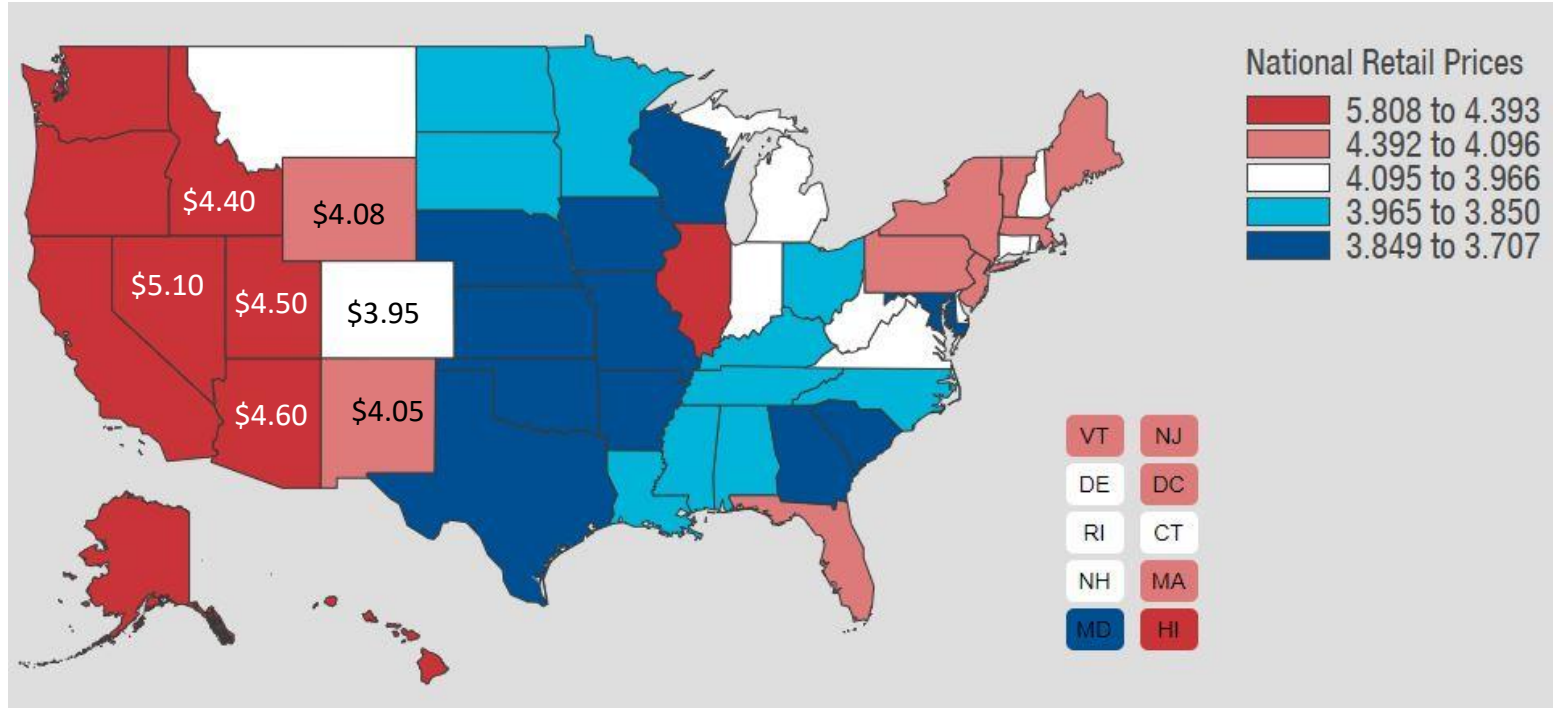
Sources: U.S. Energy Information Administration

What Drives Prices at the Pump?



Sources: American Fuel and Petrochemical Manufacturers

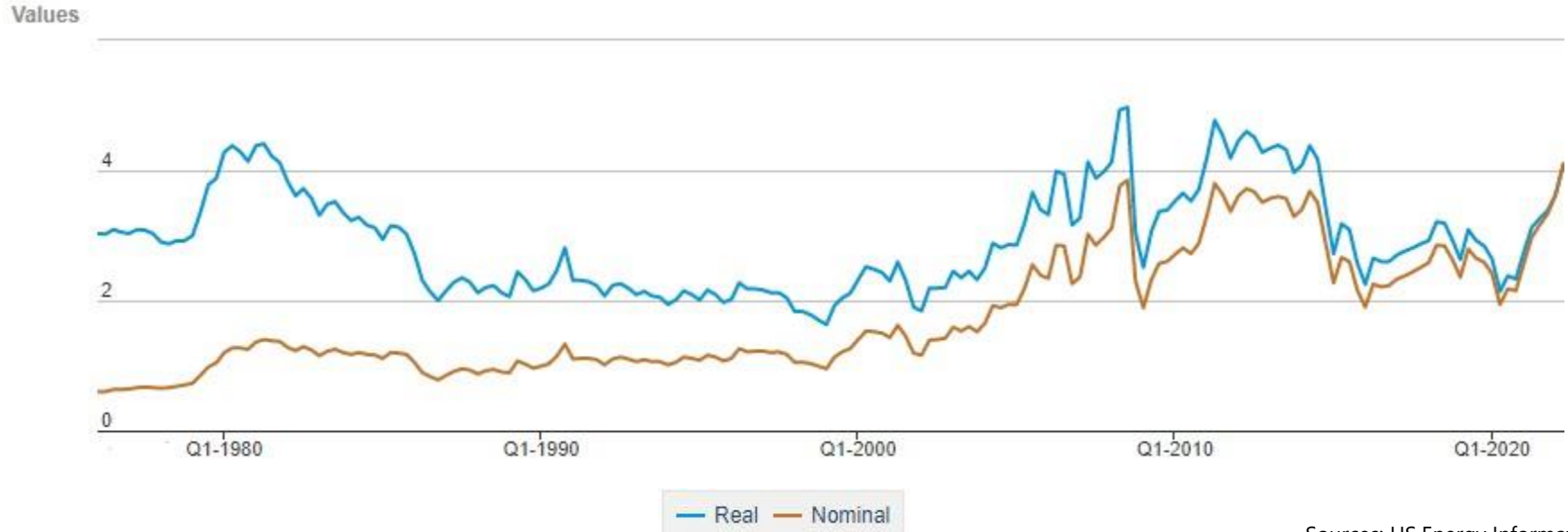
Intermountain West Retail Prices for Regular Motor Gasoline



Sources: AAA Gas Prices (12 April 2022)

Current National Gasoline Prices have not reached levels of the 1980 Global Recession and the 2008 Great Recession

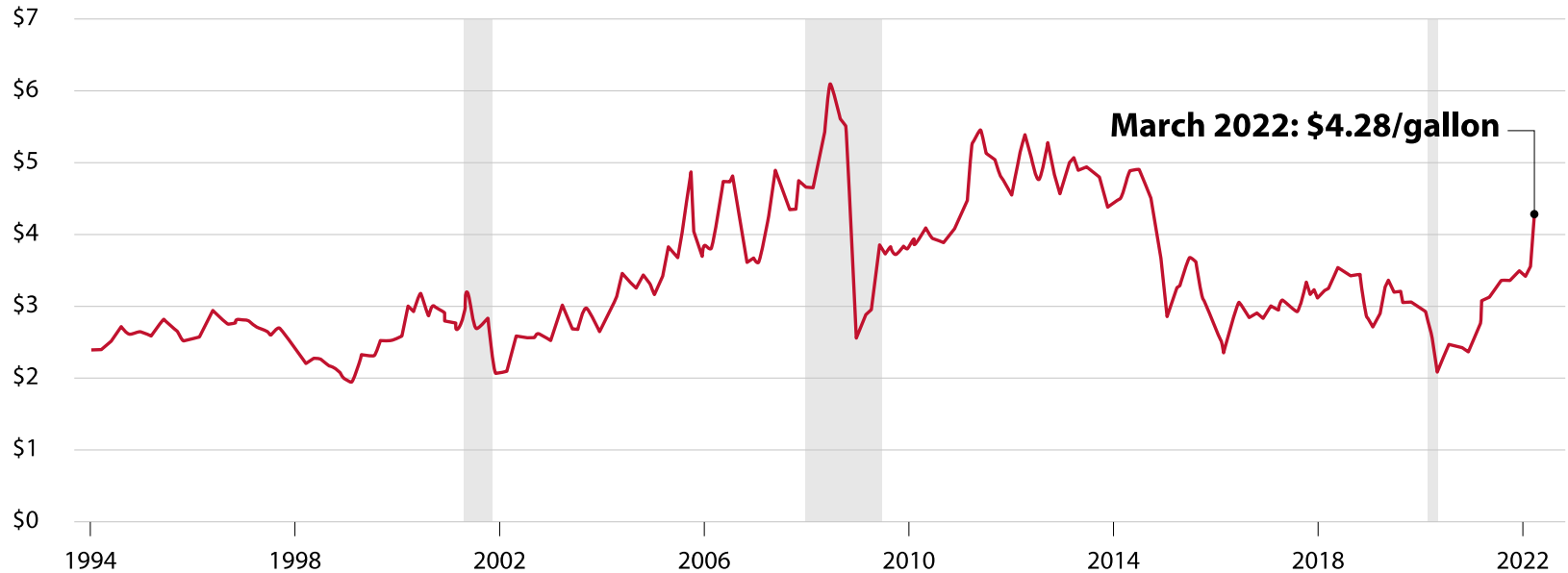
Regular Gasoline Retail Prices



Sources: US Energy Information Administration

Gasoline Prices Adjusted for Wages

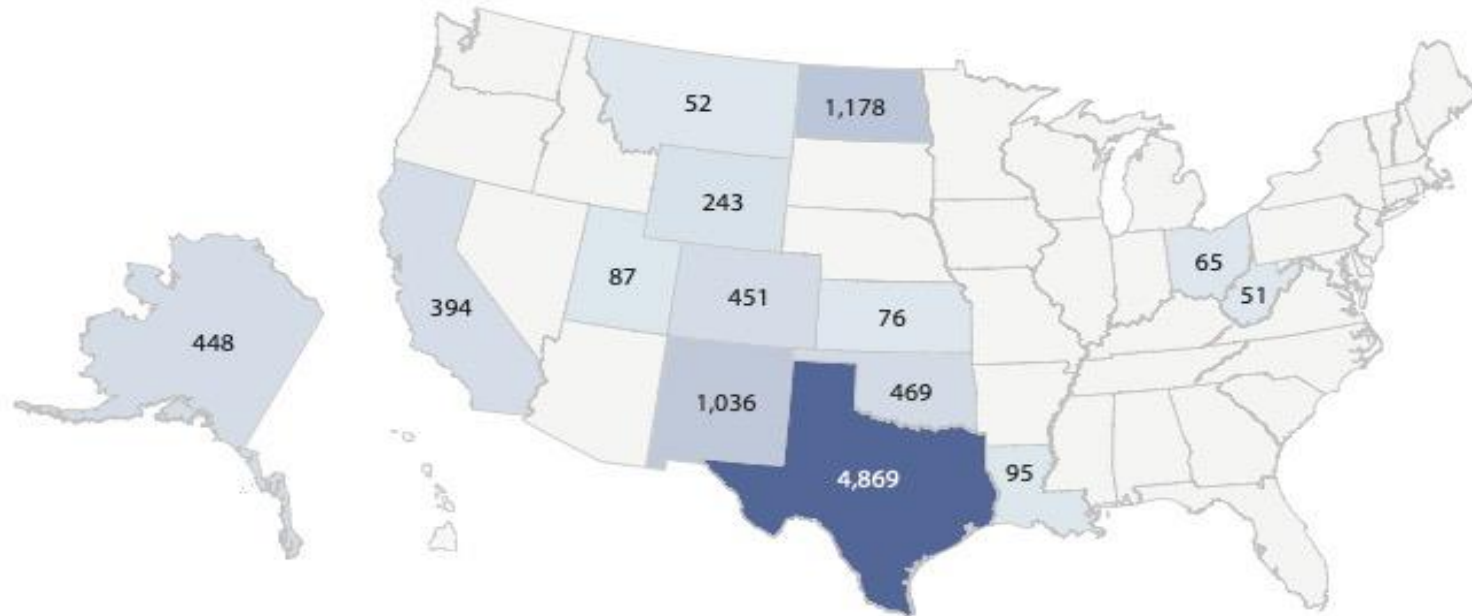
U.S. Retail Gasoline Prices Adjusted using Average Hourly Earnings of Private Sector Production and Nonsupervisory Workers



Source: U.S. Energy Information Association (EIA), Department of Labor and Wells Fargo Economics

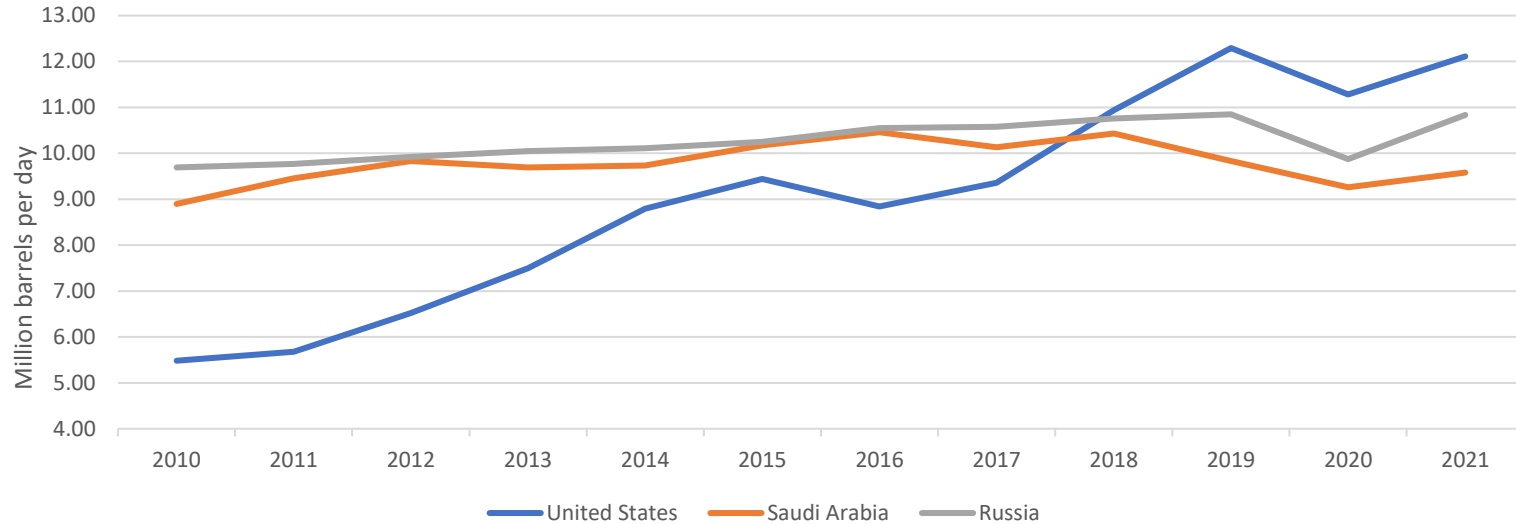
Oil Production by State

Thousands of barrels per day, 2020



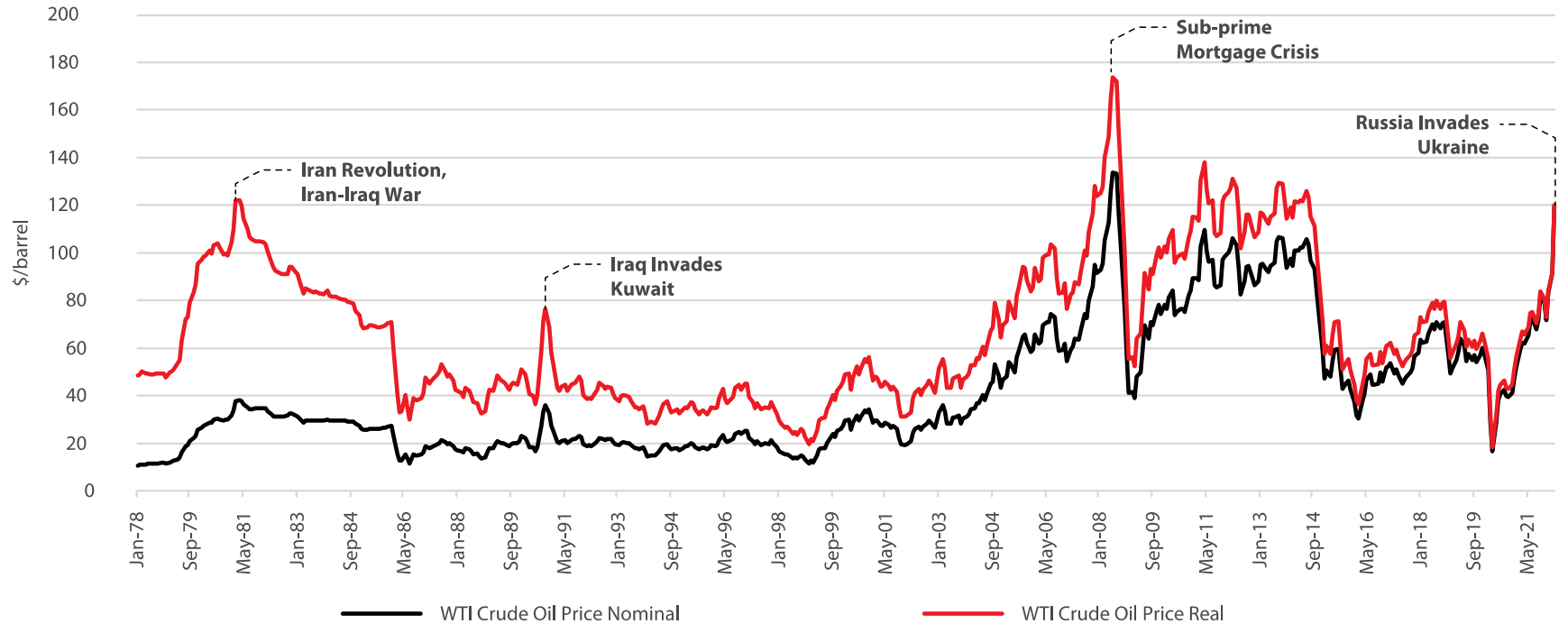
Source: Energy Information Administration

USA produces more crude oil than Saudi & Russia



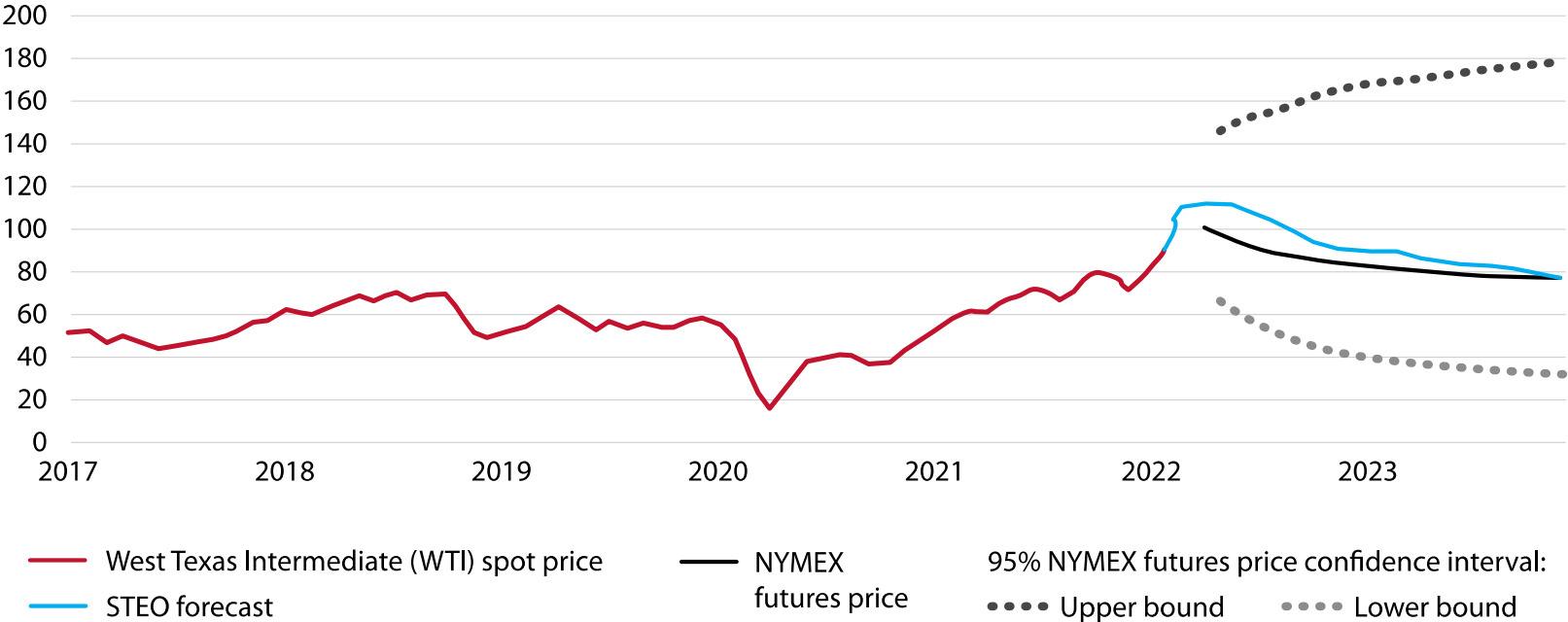
Sources: US Energy Information Administration

Crude Oil Prices (1978-present)



Sources: US Energy Information Administration

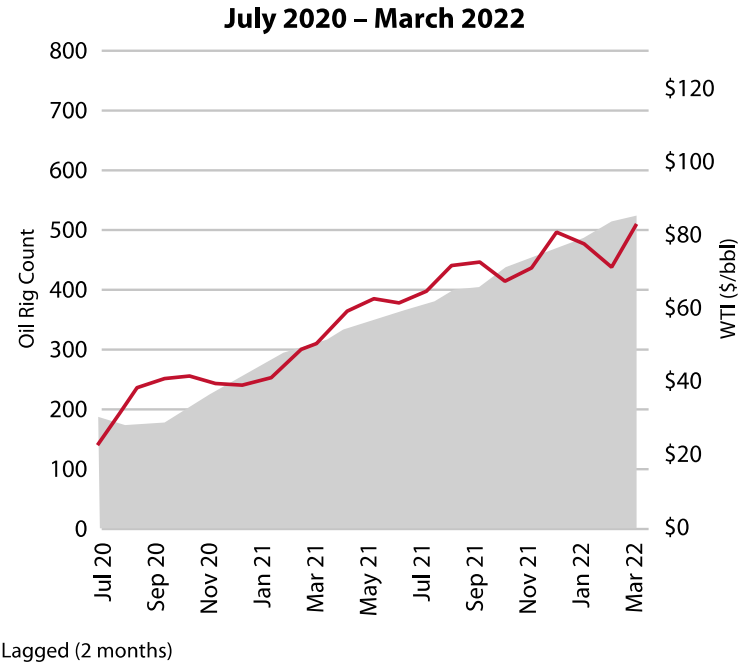
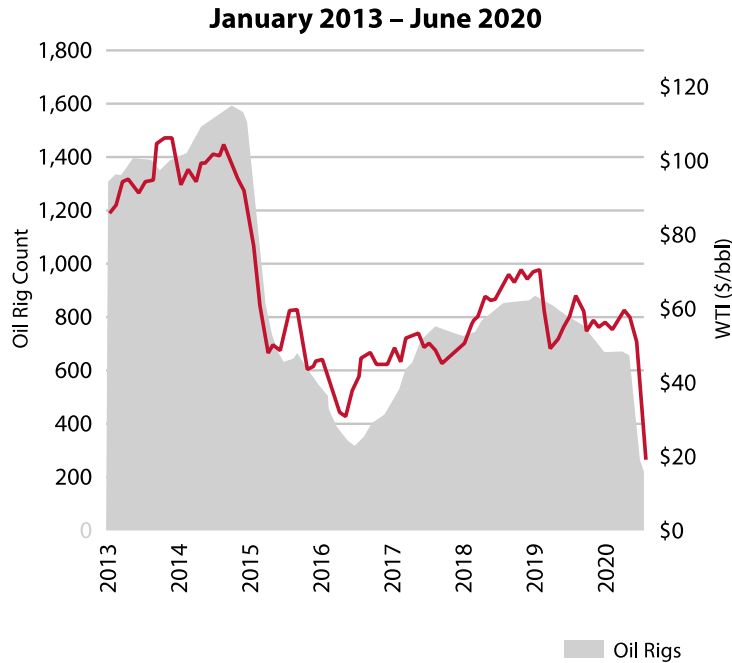
Crude Oil prices projected at \$80/bbl in 2024



Sources: US Energy Information Administration, Short-Term Energy Outlook (8 March 2022)

US Rig Counts have not responded to WTI prices post-2020

(pre-2020, WTI @ \$80 mobilized 1100 rigs; post-2020, only 500 rigs)



Sources: RBN Energy

Proposed Solutions to High Motor Gasoline Prices (1975-2022)

POLICY	IMPACTS
<p>Ban exports of US crude oil. <i>(Implemented in 1975; revoked in 2015.)</i></p>	<p>U.S. crude oil producers supply light, sweet crude oil. However, some U.S. refineries do not accept light, sweet crude oil causing crude oil prices to go down. Lower prices for U.S. crude oil producers causes lower drilling activity, making less crude oil available to make motor gasoline.</p>
<p>Set price ceiling on motor gasoline. <i>(U.S. House of Representatives convened a hearing on gasoline price controls in July 1978; no action was taken.)</i></p>	<p>When the market value of motor gasoline exceeds the price ceiling, crude oil refiners lose incentive to produce motor gasoline.</p>
<p>Set a windfall profits tax on oil companies to recoup revenues earned by oil producers when oil prices have spiked. <i>(Implemented in 1980; revoked in 1988.)</i></p>	<p>The windfall profits tax makes energy companies less profitable in periods of high crude oil prices, dampening incentives for crude oil drilling. The windfall profits tax eliminates oil companies' upside potential in a high-risk industry where only one in seven exploration wells is commercially viable.</p>
<p>Create a Strategic Petroleum Reserve (SPR). <i>(Implemented in 1975; still in force.)</i></p>	<p>The SPR is a buffer for emergencies such as acts of war (e.g., Russian invasion) and natural disasters (e.g., Hurricane Katrina). SPR entered crude oil exchange agreements with refiners in response to seven emergency supply disruptions. Without SPR assistance, citizens in the Gulf Coast region would have faced larger gasoline price hikes. President Biden authorized release of 180MM barrels of SPR reserves over a six-month period.</p>
<p>Eliminate motor gasoline taxes levied by State of Utah. <i>(Currently under consideration.)</i></p>	<p>Motor gasoline taxes (18.4¢ per gallon) finance road repairs. Decreasing Utah gasoline prices directionally spurs more travel, causing more road damages.</p>
<p>Increase crude oil production.</p>	<p>United States' rig counts have not responded to increased crude oil prices post-2020. Mixed signals from the Federal Government on oil & gas leases has created uncertainty.</p>

Sources: Gardner Policy Institute