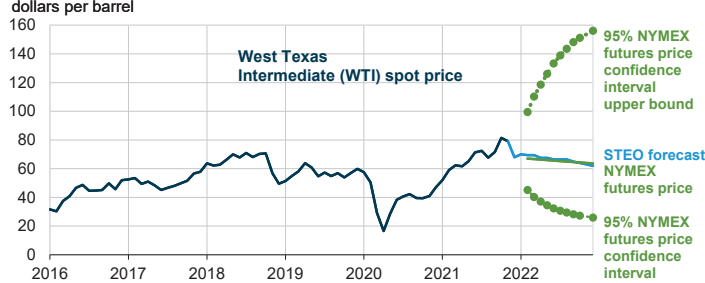


# Short-Term Energy Outlook Chart Gallery



December 7, 2021

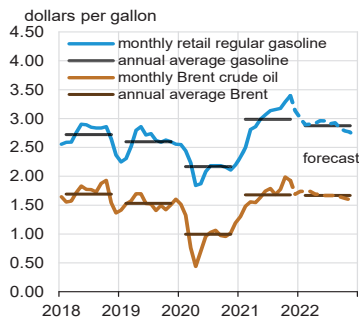
**West Texas Intermediate (WTI) crude oil price and NYMEX confidence intervals**



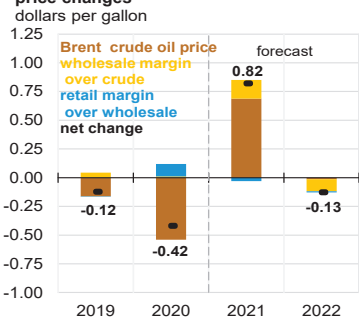
Note: Confidence interval derived from options market information for the five trading days ending Dec 2, 2021. Intervals not calculated for months with sparse trading in near-the-money options contracts.  
Sources: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021, CME Group, Bloomberg, L.P., and Refinitiv an LSEG Business



**U.S. gasoline and crude oil prices**



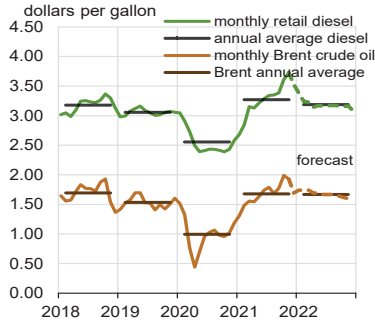
**Components of annual gasoline price changes**



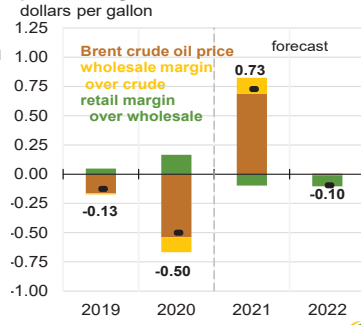
Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021, and Refinitiv an LSEG Business



**U.S. diesel and crude oil prices**



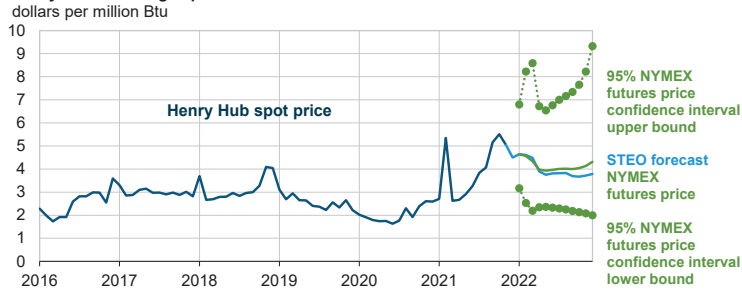
**Components of annual diesel prices changes**



Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021, and Refinitiv an LSEG Business



**Henry Hub natural gas price and NYMEX confidence intervals**



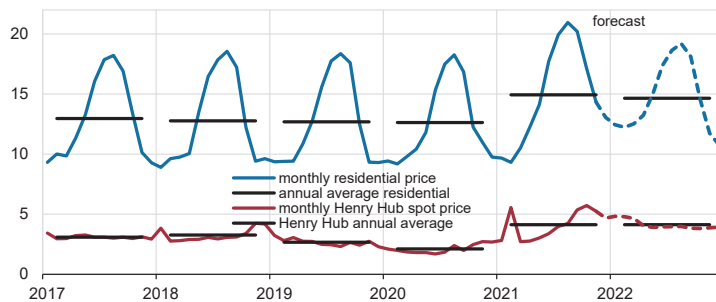
Note: Confidence interval derived from options market information for the five trading days ending Dec 2, 2021. Intervals not calculated for months with sparse trading in near-the-money options contracts.

Sources: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021, CME Group, and Refinitiv an LSEG Business



**U.S. natural gas prices**

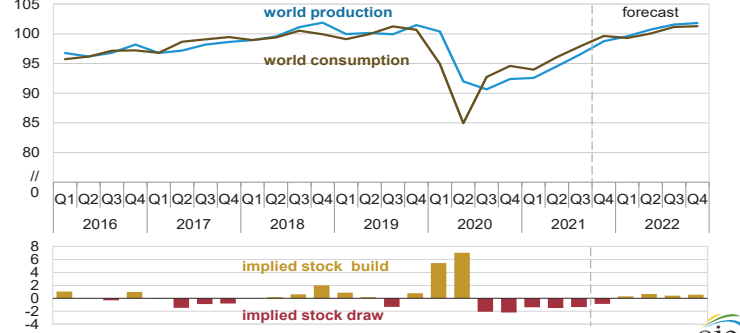
dollars per thousand cubic feet



Sources: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021, and Refinitiv an LSEG Business



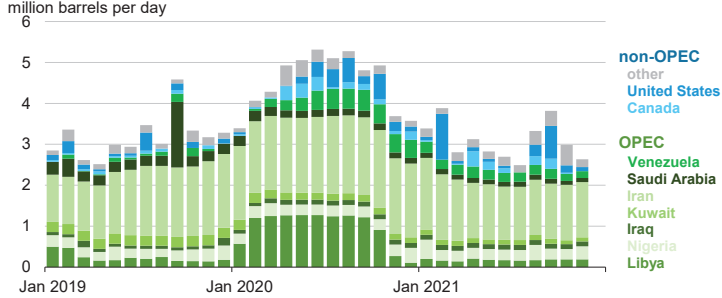
**World liquid fuels production and consumption balance**  
million barrels per day



Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



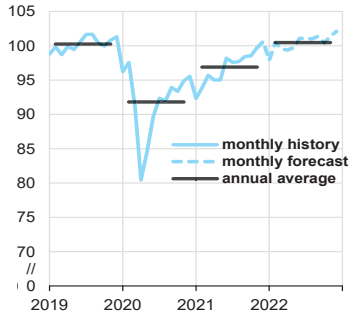
**Estimated unplanned liquid fuels production outages among OPEC and non-OPEC producers**  
million barrels per day



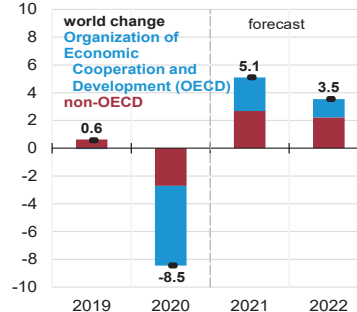
Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



**World liquid fuels consumption**  
million barrels per day



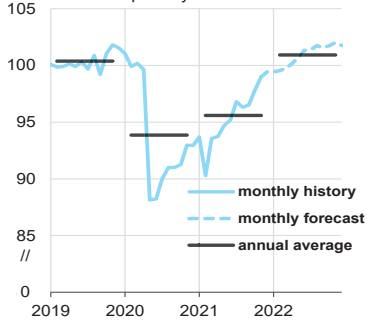
**Components of annual change**  
million barrels per day



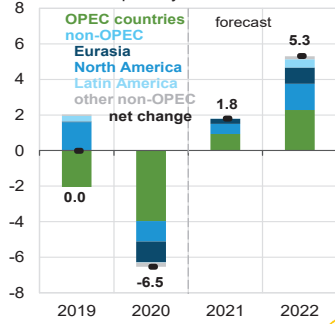
Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



**World crude oil and liquid fuels production**  
million barrels per day



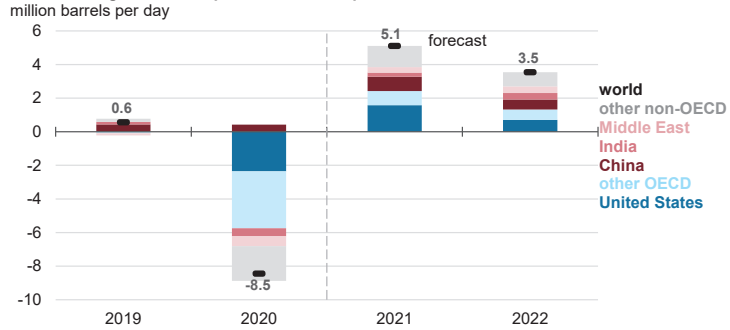
**Components of annual change**  
million barrels per day



Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



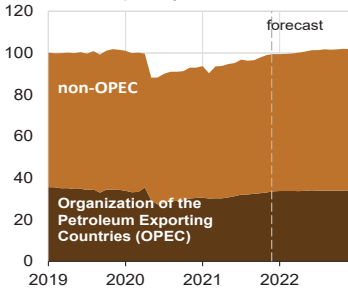
**Annual change in world liquid fuels consumption**  
million barrels per day



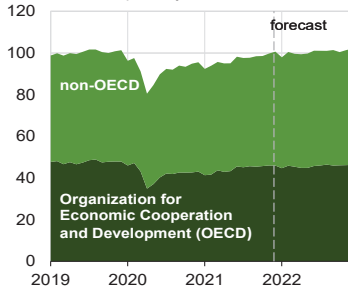
Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



**World liquid fuels production**  
million barrels per day



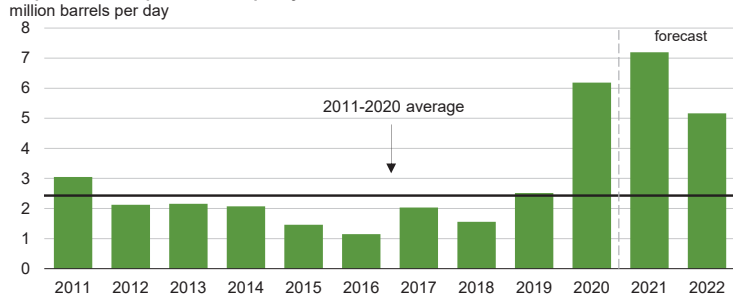
**World liquid fuels consumption**  
million barrels per day



Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



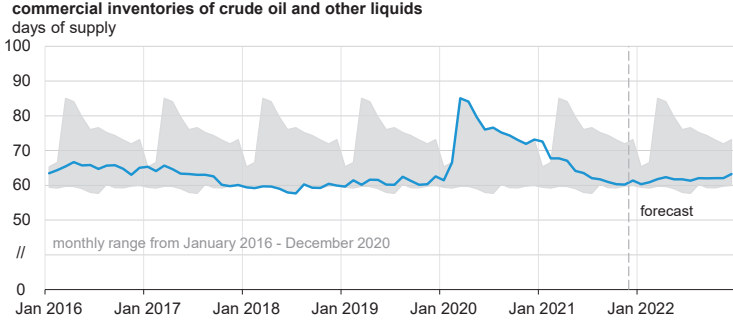
**Organization of the Petroleum Exporting Countries (OPEC)  
surplus crude oil production capacity**



Note: Black line represents 2011-2020 average (2.4 million barrels per day).  
Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



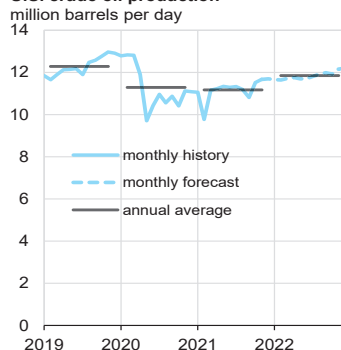
**Organization for Economic Cooperation and Development (OECD)  
commercial inventories of crude oil and other liquids**



Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021

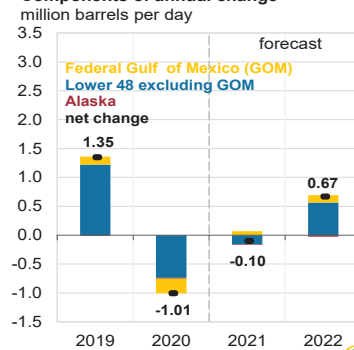


**U.S. crude oil production**

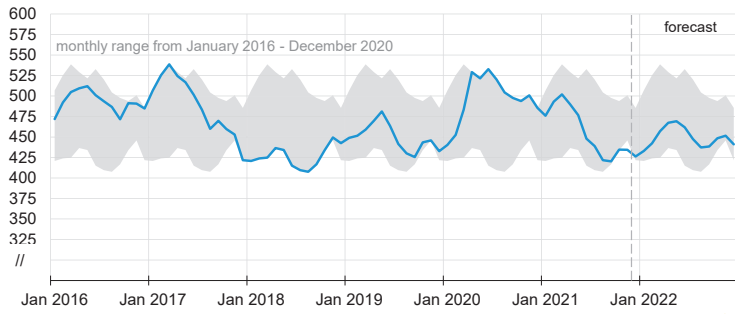


Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021

**Components of annual change**



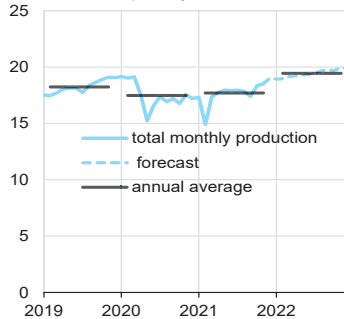
**U.S. commercial crude oil inventories**  
million barrels



Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



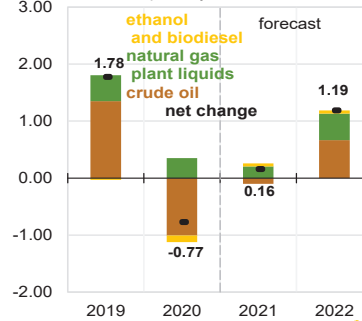
**U.S. crude oil and liquid fuels production**  
million barrels per day



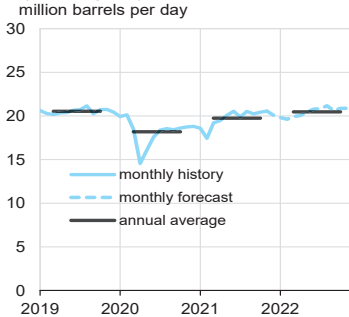
Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December



**Components of annual change**  
million barrels per day



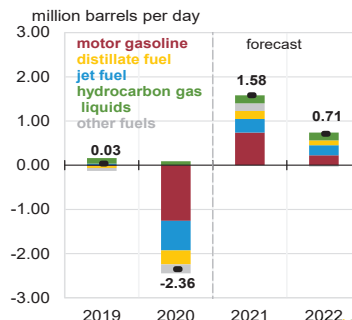
**U.S. liquid fuels product supplied (consumption)**  
million barrels per day



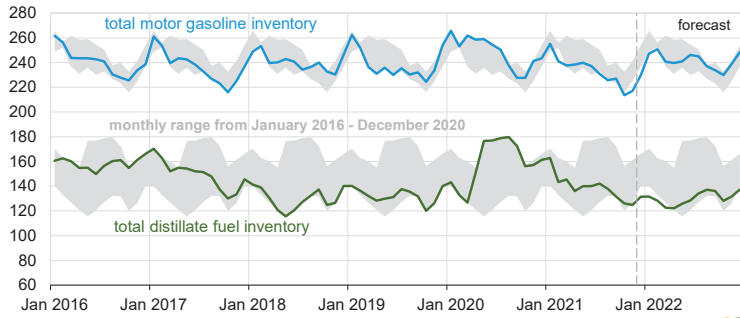
Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



**Components of annual change**  
million barrels per day



**U.S. gasoline and distillate inventories**  
million barrels

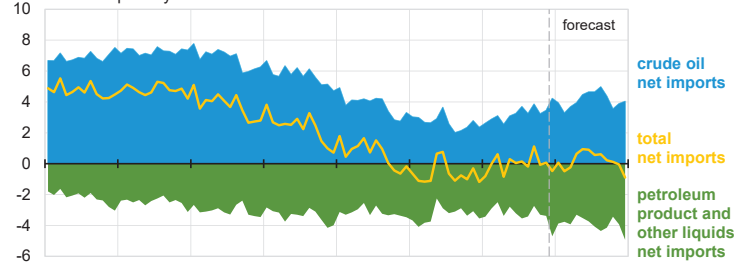


Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



**U.S. net imports of crude oil and liquid fuels**

million barrels per day



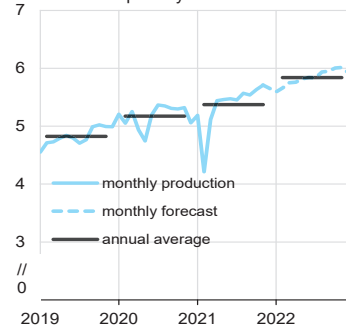
Note: Petroleum product and other liquids include: gasoline, distillate fuels, hydrocarbon gas liquids, jet fuel, residual fuel oil, unfinished oils, other hydrocarbons/oxygenates, and other oils.

Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



**U.S. natural gas plant liquids production**

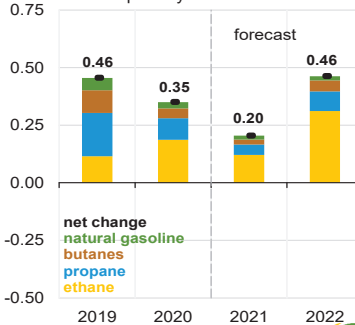
million barrels per day



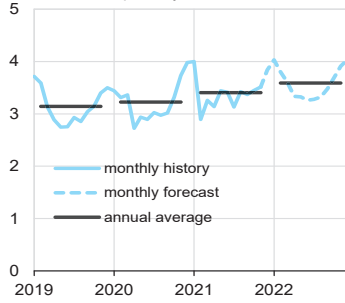
Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021

**Components of annual change**

million barrels per day

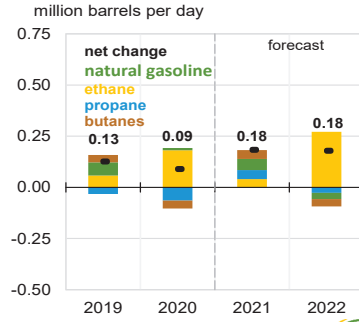


**U.S. hydrocarbon gas liquids product supplied (consumption)**  
million barrels per day

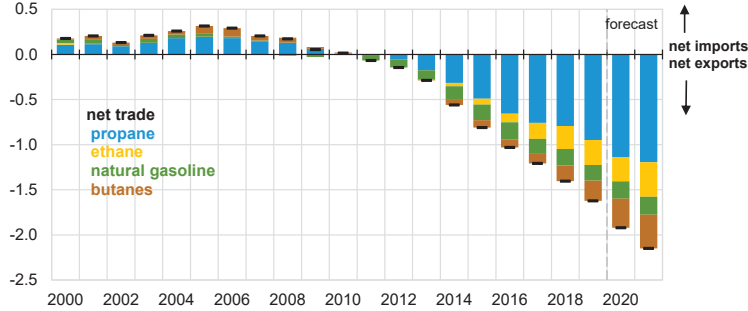


Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021

**Components of annual change**



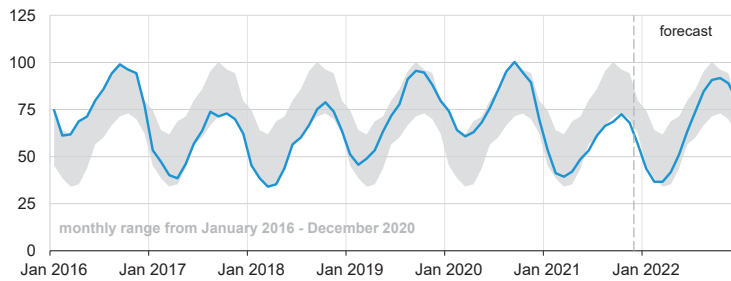
**U.S. net trade of hydrocarbon gas liquids (HGL)**  
million barrels per day



Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



**U.S. commercial propane inventories**  
million barrels



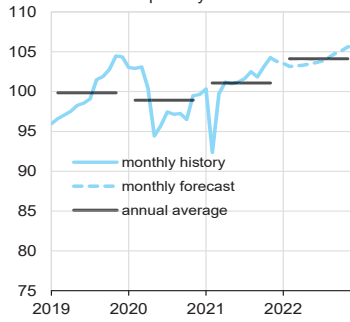
Note: Excludes propylene.

Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021





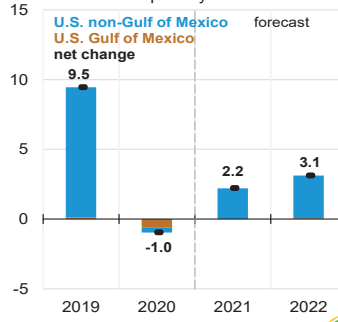
**U.S. marketed natural gas production**  
billion cubic feet per day



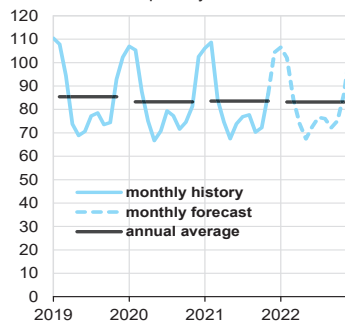
Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



**Components of annual change**  
billion cubic feet per day



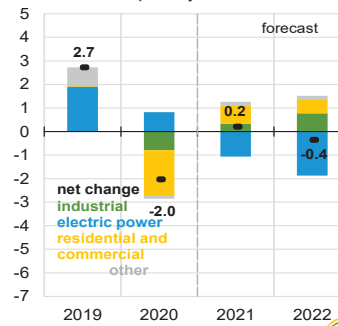
**U.S. natural gas consumption**  
billion cubic feet per day



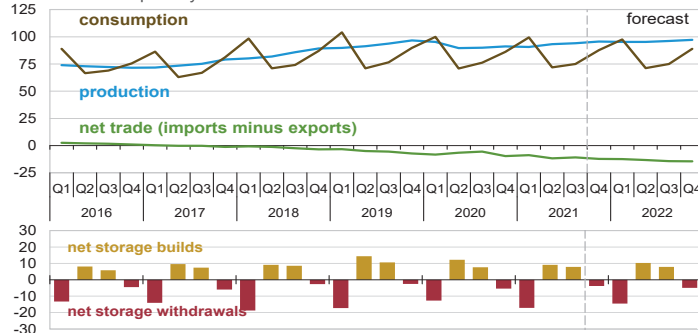
Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



**Components of annual change**  
billion cubic feet per day



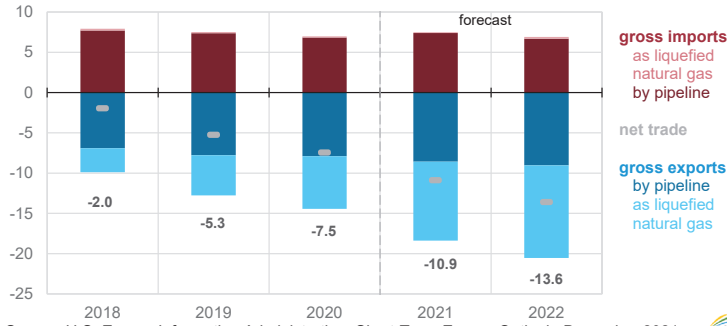
**U.S. natural gas production, consumption, and net imports**  
billion cubic feet per day



Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



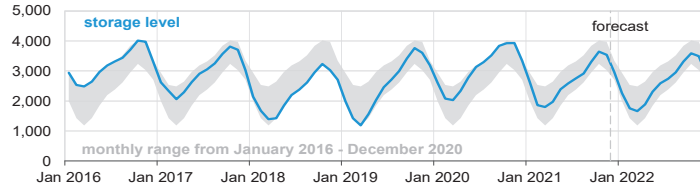
**U.S. annual natural gas trade**  
billion cubic feet per day



Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



**U.S. working natural gas in storage**  
billion cubic feet



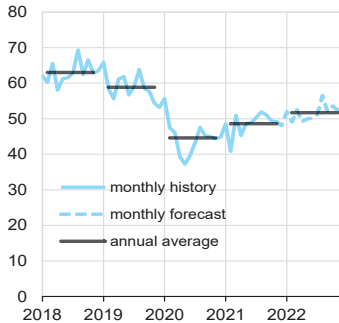
**Percent deviation from 2016 - 2020 average**



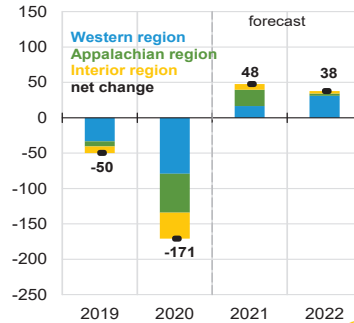
Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



**U.S. coal production**  
million short tons



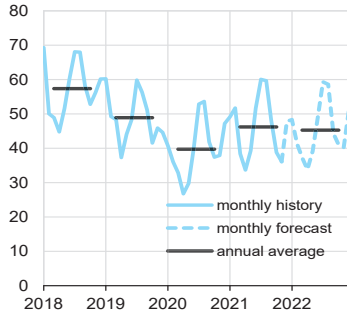
**Components of annual change**  
million short tons



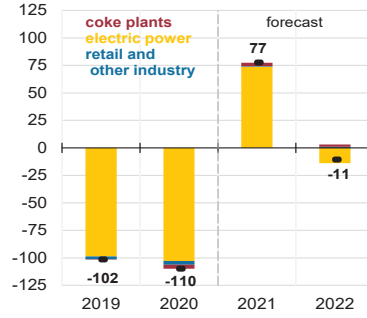
Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



**U.S. coal consumption**  
million short tons



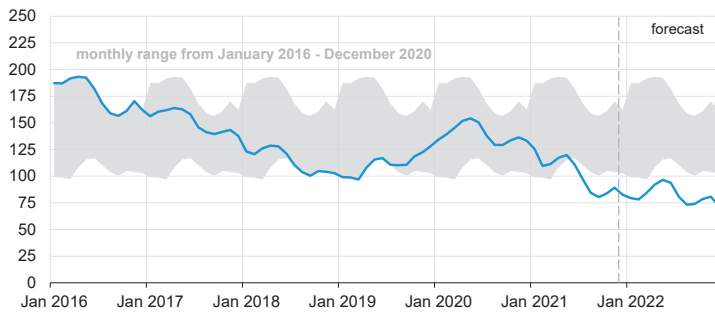
**Components of annual change**  
million short tons



Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



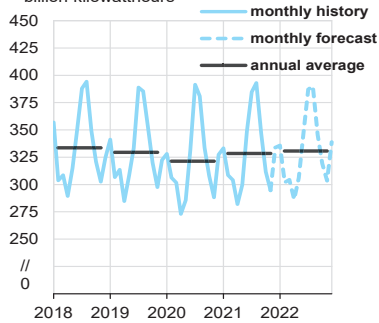
**U.S. electric power coal inventories**  
million short tons



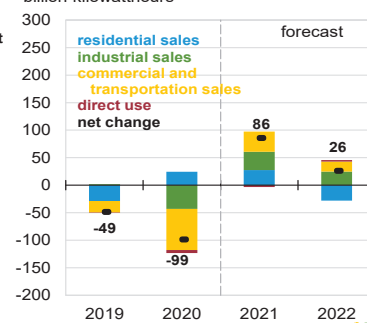
Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



**U.S. electricity consumption**  
billion kilowatthours



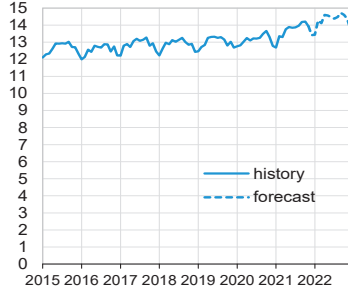
**Components of annual change**  
billion kilowatthours



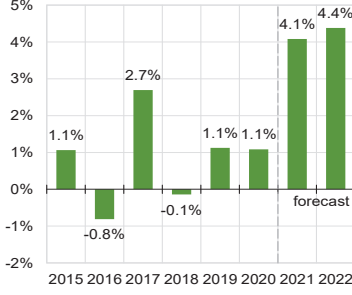
Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



**U.S. monthly nominal residential electricity price**  
cents per kilowatthour



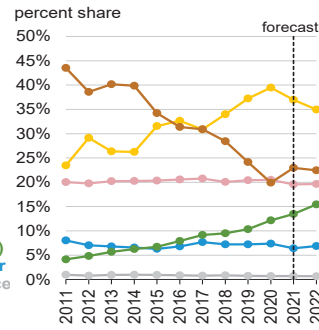
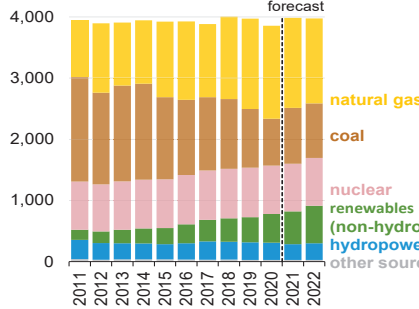
**Annual growth in nominal residential electricity prices**  
percent



Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



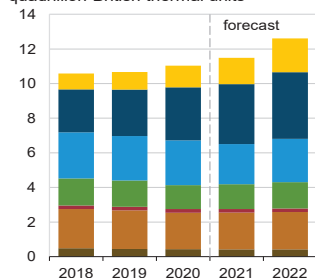
**U.S. electricity generation by source, all sectors**  
billion kilowatthours



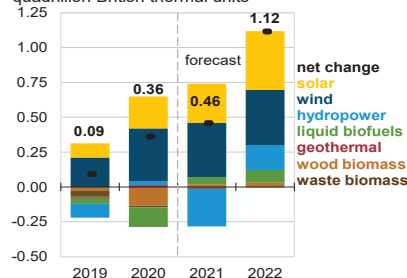
Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



**U.S. renewable energy supply**  
quadrillion British thermal units



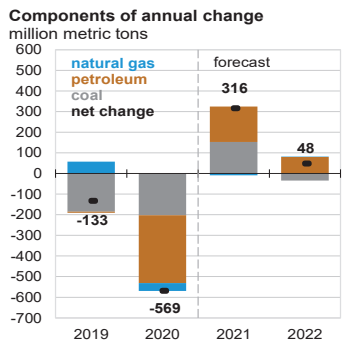
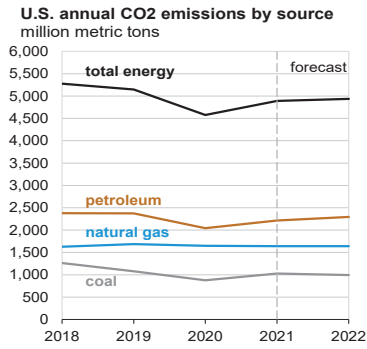
**Components of annual change**  
quadrillion British thermal units



Note: Hydropower excludes pumped storage generation. Liquid biofuels include ethanol and biodiesel. Other biomass includes municipal waste from biogenic sources, landfill gas, and other non-wood waste.

Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



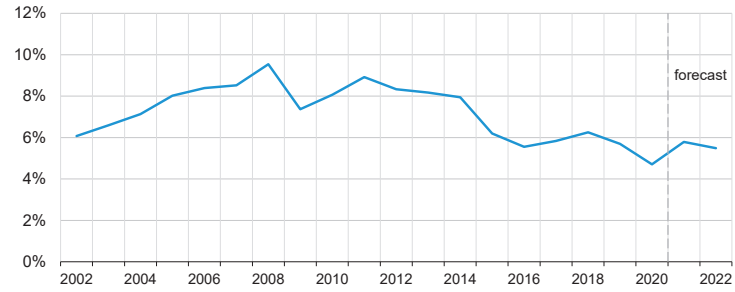


Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



### U.S. annual energy expenditures

share of gross domestic product

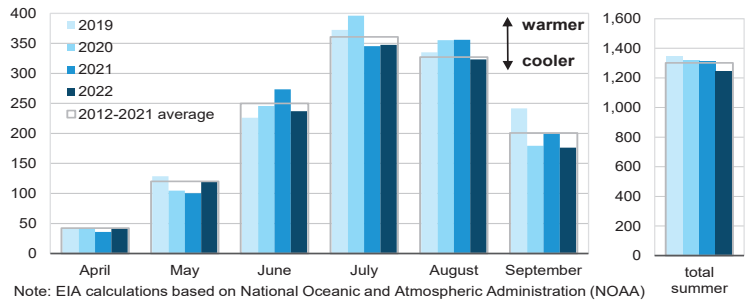


Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



### U.S. summer cooling degree days

population-weighted

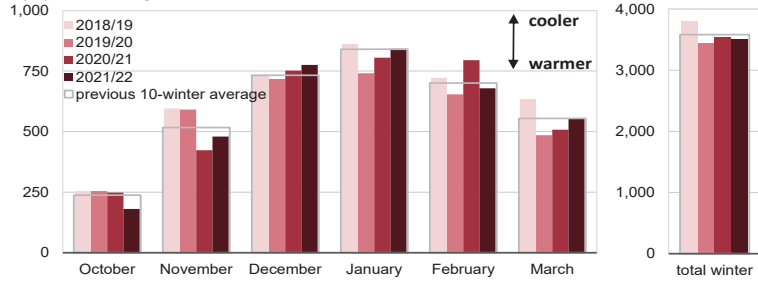


Note: EIA calculations based on National Oceanic and Atmospheric Administration (NOAA) data. Projections reflect NOAA's 14-16 month outlook.

Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



**U.S. winter heating degree days**  
population-weighted

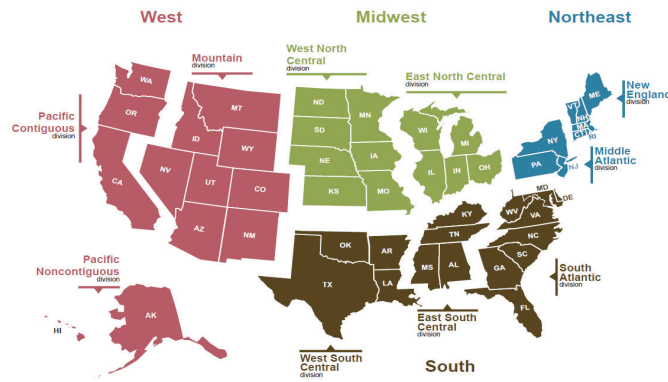


Note: EIA calculations based on National Oceanic and Atmospheric Administration (NOAA) data. Projections reflect NOAA's 14-16 month outlook.

Source: U.S. Energy Information Administration, Short-Term Energy Outlook, December 2021



**U.S. Census regions and divisions**



Source: U.S. Energy Information Administration, Short-Term Energy Outlook

