U.S. interest rate and exchange rate cycle Selected indicators

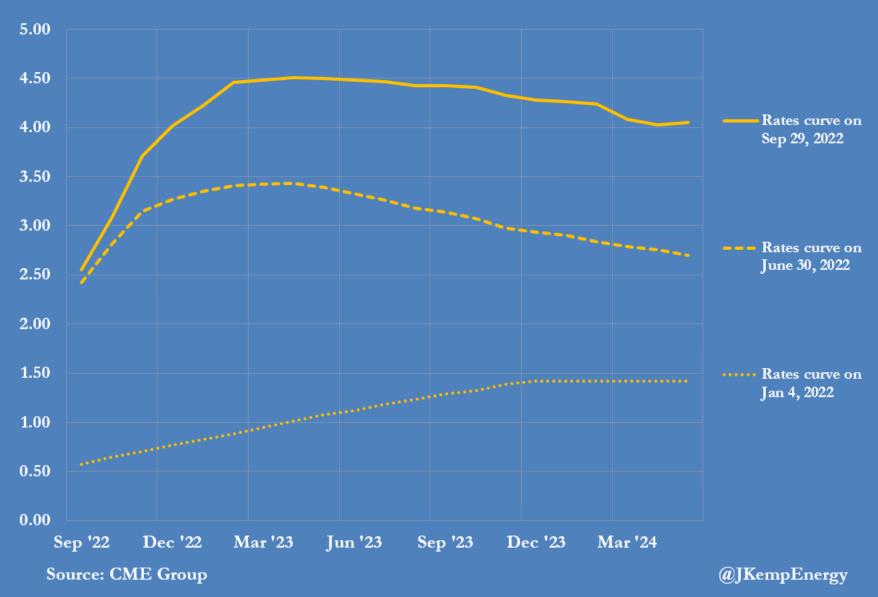
JOHN KEMP REUTERS 29 September 2022

Effective federal funds rate, 1955-2022 annualised percent, month-end, NBER recessions shown



Sources: Board of Governors of Federal Reserve System, National Bureau of Economic Research @JKempEnergy

Expected Fed Funds rate from September 2022 to May 2024 percent, implied by futures prices



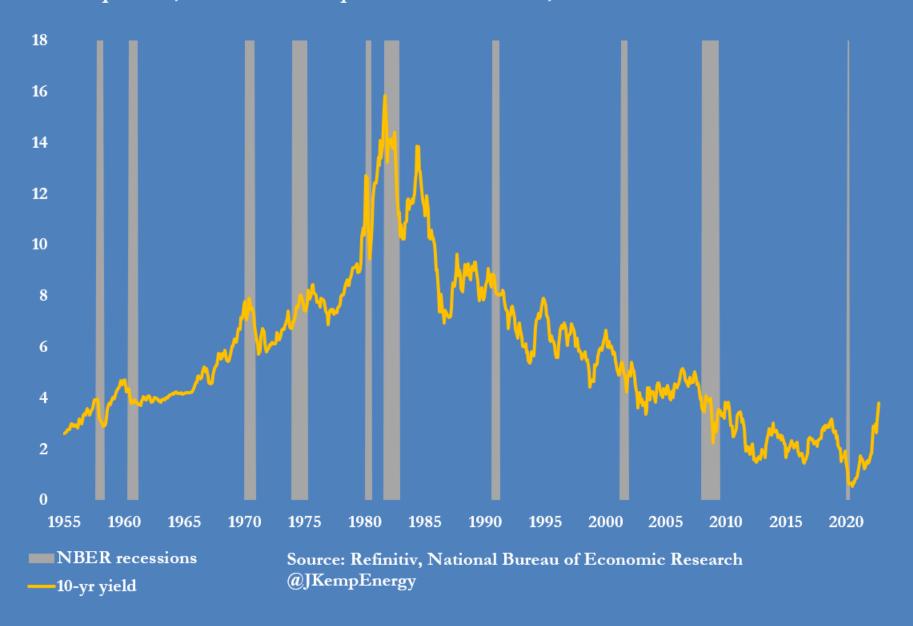
U.S. federal funds target rate for April 2023 percent, policy interest rate expected to prevail implied by futures prices



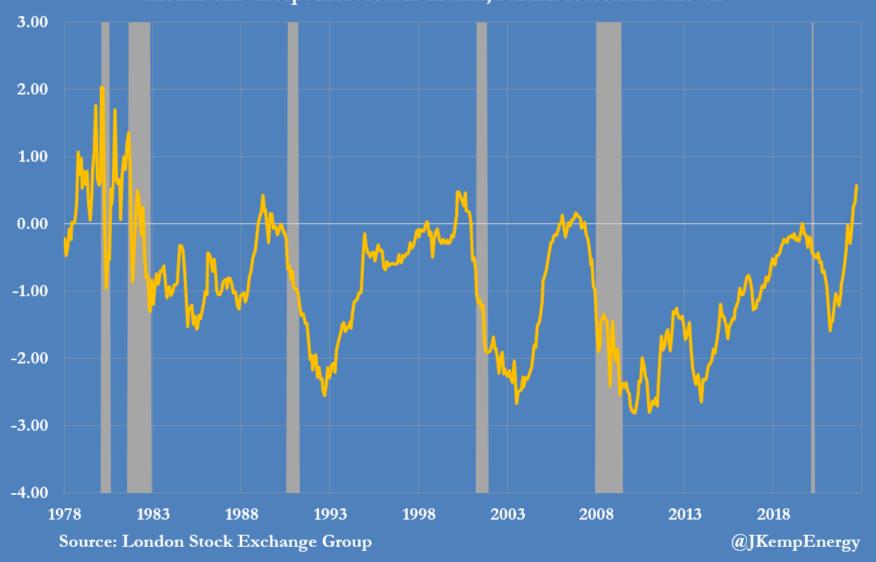
Source: CME Group

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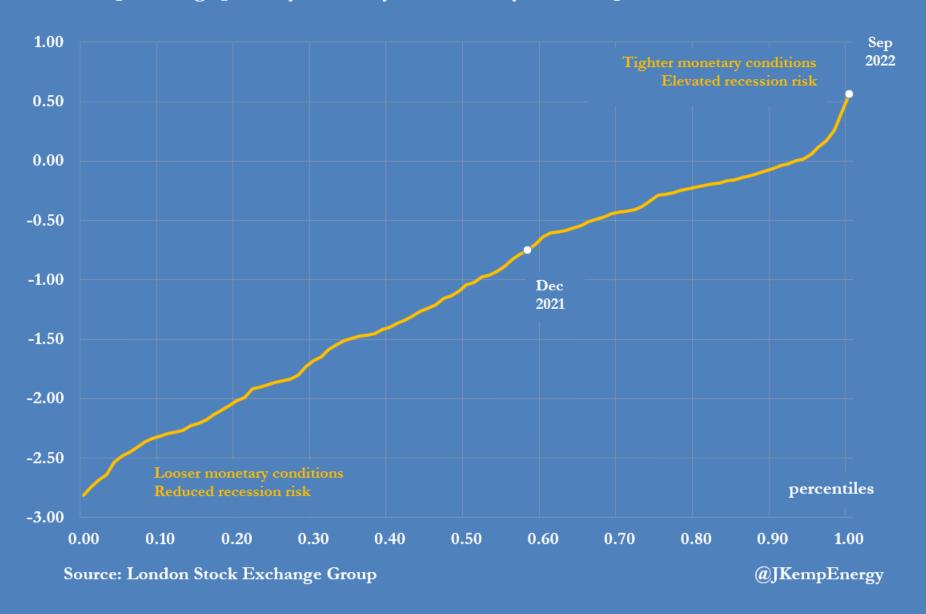
Yield on 10-year U.S. Treasury notes, 1955-2022 percent, month-end except most recent month, NBER recessions shown



U.S. Treasury yield curve, 1978-2022 percentage points, yield on 2-yr minus 10-yr notes month-end except most recent month, NBER recessions shown



U.S. Treasury yield curve, 1990-2022 percentage points, yield on 2-year minus 10-year notes, percentile distribution



U.S. dollar real exchange rate index, 1973-2022 trade-weighted, broad basket of currencies, adjusted for differences in inflation



U.S. dollar real exchange rate index, 1973-2022 trade-weighted, broad basket of currencies, percentiles

