

## FIXED INCOME

# The US Yield Curve: Should We Fear Inversion?

October 19, 2018

There has been a lot of talk this year about the flattening of the US yield curve—which is a graphical representation of the spread between short- and long-term interest-rate instruments.

In the past, when spreads between short- and long-term rates narrow, it typically suggests that the market believes economic growth and inflation are not sustainable and will fall in the future.

However, our senior investment leaders make a case that the “predictive power” of the yield curve when it comes to the US economy may not really be so predictive this time around.

## Why the Yield Curve Is Flattening

Through monetary policy actions—that is, buying or selling securities—the US Federal Reserve (Fed) has control over two short-term interest rates, the discount rate and the fed funds rate. The fed funds rate (considered the “benchmark” rate) is the rate which banks and other depository institutions lend money to each other on an overnight basis.

It is this rate that is more often manipulated, and typically impacts other short-term lending rates along the yield curve. Since 2015, the Fed has been increasing this benchmark rate in response to a growing US economy, and other short-term rates have followed.

Meanwhile, various factors have kept a lid on long-term rates for much of this year. And some market observers have noted, without another quantitative easing programme, the Fed can’t control the long end of the yield curve, represented by instruments such as 10- and 30-year Treasuries.

Simply put, we have seen the Fed raise short-term rates without a corresponding rise in long-term rates, causing a flattening of the curve.

## US Yield Curve as a Recession Indicator

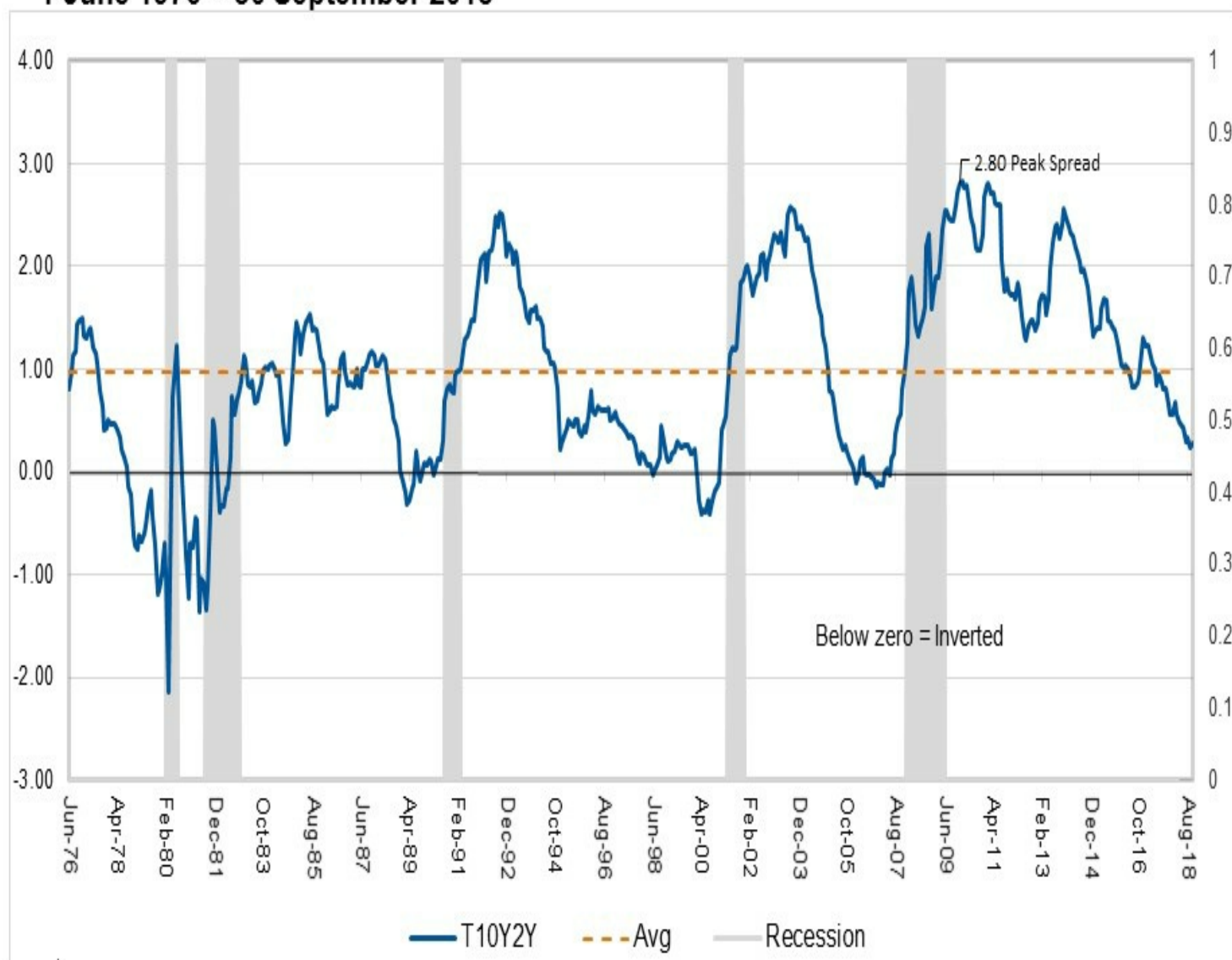
The spread between long-term and short-term rates has historically been considered a closely watched indicator used to gauge the health of the economy. In the past, changes in the yield curve have been a useful barometer to determine what phase of the cycle the US economy is currently in.

As the yield curve has flattened over the course of this year, some investors may be wondering if the yield curve could eventually invert, or fall below zero.

In this [article](#), Ed Perks, CIO of Franklin Templeton Multi-Asset Solutions, points out that an inverted yield curve has been an indicator of US recessions in the past. As the chart below shows, the gap between two-year and 10-year Treasury notes narrowed to roughly 24 basis points in August, and the yield curve compressed to a level not seen since August 2007.

# Yield Curve Has Signalled Recessions in the Past

US 10-Year Minus 2-Year Treasury Yields  
1 June 1976 – 30 September 2018



Sources: Franklin Templeton Capital Markets Insights Group; St. Louis Federal Reserve Bank.

“This metric is closely watched due to its apparent predictive value—every recession in the past 60 years has been preceded by the yield curve inverting, or falling below zero.”

Ed Perks, 31 July 2018.

## Why an Inverted Yield Curve May Be Losing Significance

Even if the yield curve inverts, some of our senior investment leaders have seen signs the predictive power of the yield curve may not be as powerful as it has been in the past. For example, in early September, a leading Fed official argued that the central bank should not be inhibited by a potential inversion of the yield curve in determining the optimal path for monetary policy.

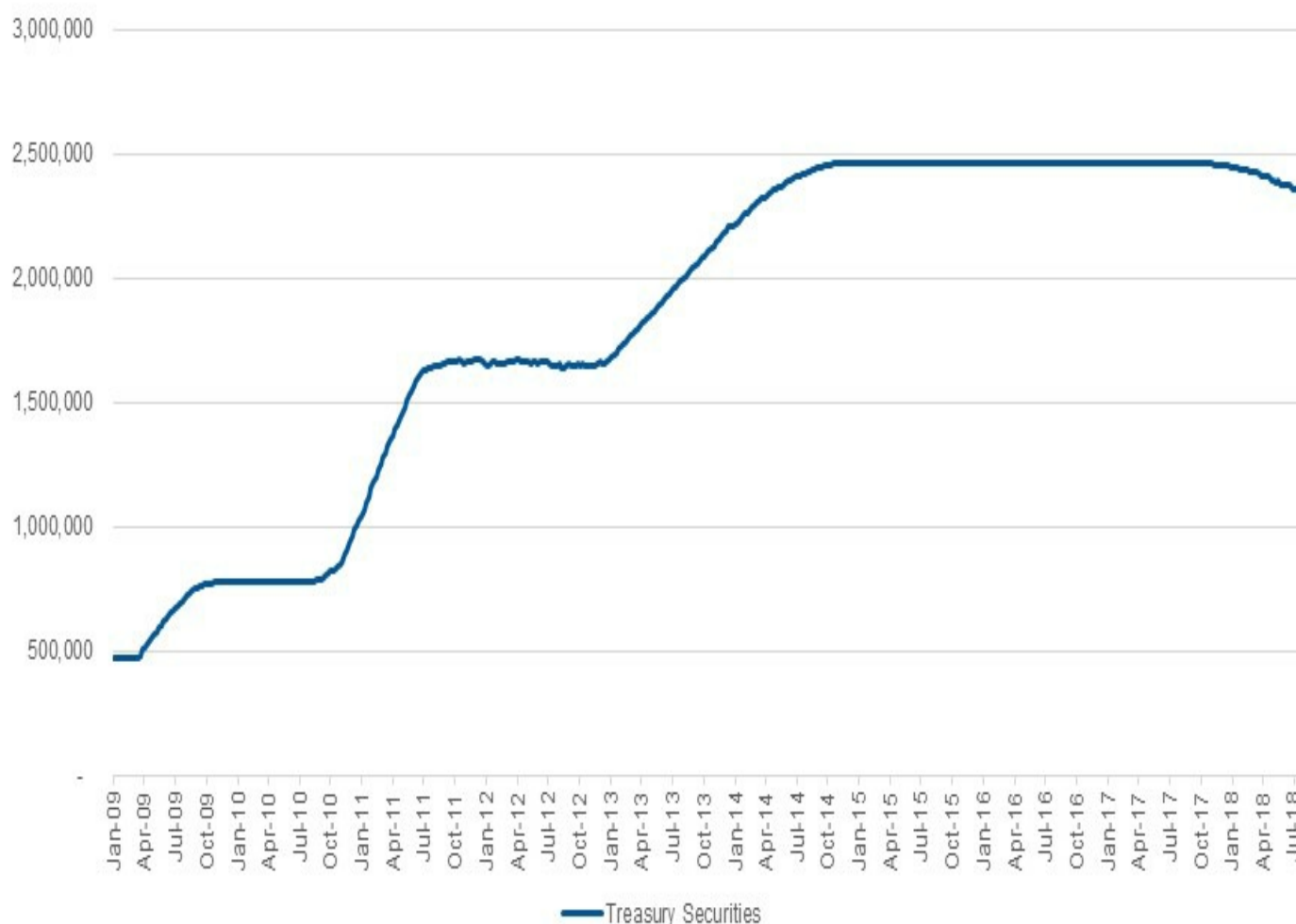
In this [article](#), Chris Molumphy, chief investment officer, Franklin Templeton Fixed Income Group, says in this era of global quantitative easing, central banks are acting on the markets in an untraditional way. For example, after the 2008 financial crisis, the Fed purchased significant volumes of Treasuries at longer maturity dates, as the charts below show. Molumphy says this Fed buying has impacted the price of securities, meaning there are non-fundamental forces at work.

## Fed Increased Treasury Security Holdings Post-Crisis



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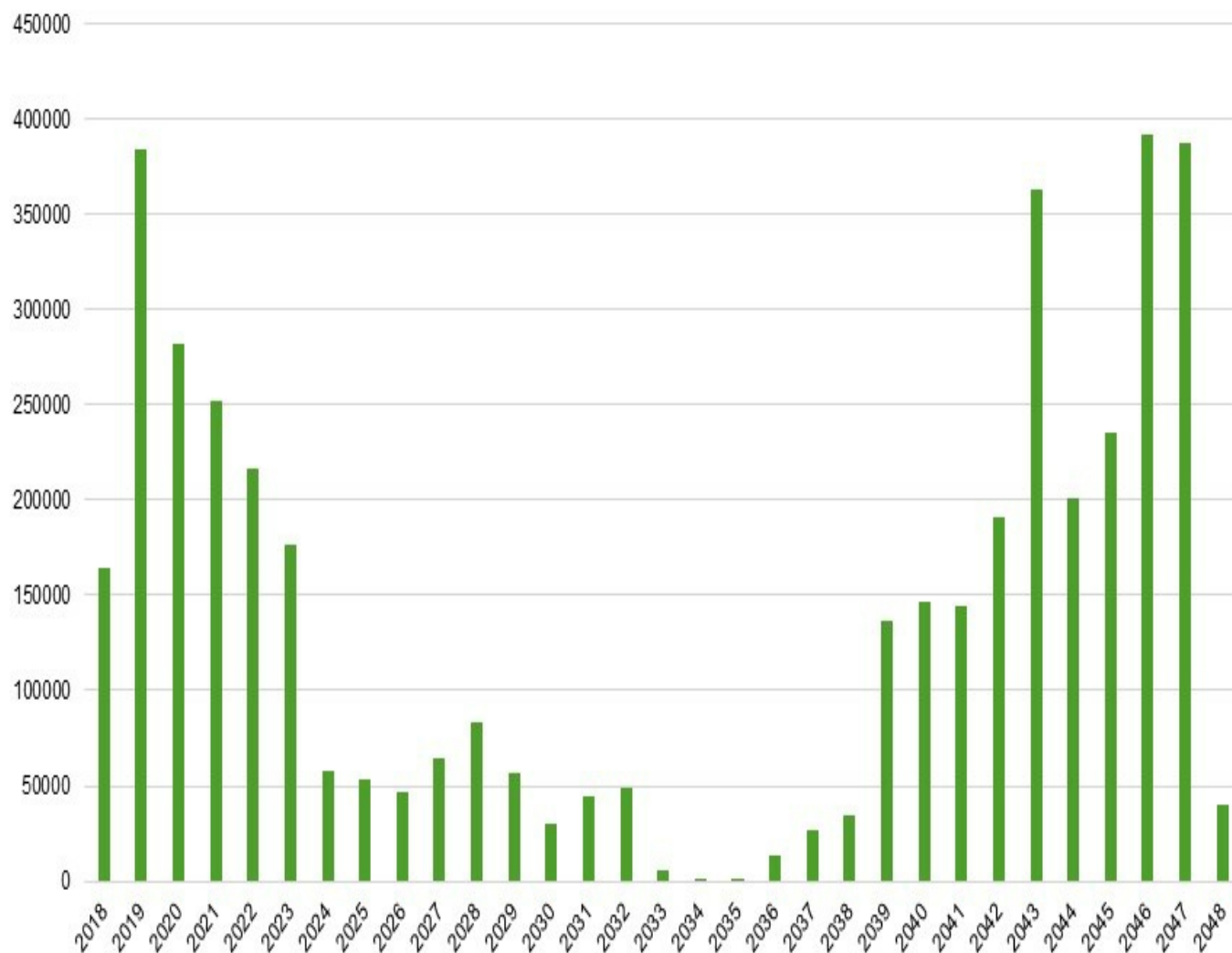
**Federal Reserve Balance Sheet (USD in Thousands)**  
14 January 2009 to 1 August 2018



Sources: US Federal Reserve, Bloomberg, as at 1 August 2018.

# Fed's Longer-Date US Treasury Holdings

## Federal Reserve Treasury Holdings by Maturity Par Amount as at August 2018



Sources: Franklin Templeton Capital Markets Insights Group, US Federal Reserve, Bloomberg, as at 1 August 2018. The chart shows US Treasury securities held by the Federal Reserve: All maturities through 2048.

## Investment Implications

Overall, our [senior investment professionals](#) are optimistic about continued US economic growth, and are not concerned about a possible recession—at least not yet.

That said, Ed Perks says, should the US economy start to show some typical end-of-cycle signs, such as slowing earnings momentum or inverted yield curves, he would expect to reassess the situation.

But for now, given the solid US economic backdrop, Molumphy thinks it's healthy for the Fed to continue its gradual tightening path.

“We continue to view the Fed’s normalisation of rates as a positive and the biggest market risks are probably non-fundamental ones. The United States is pretty far into its current economic expansion cycle, and it is prudent to have a lot of ammunition at the end of the cycle to be prepared for the next recession.”

Chris Molumphy, 27 September 2018.

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## What are the Risks?

**All investments involve risks, including possible loss of principal. The value of investments can go down as well as up, and investors may not get back the full amount invested.** Bond prices generally move in the opposite direction of interest rates. Thus, as prices of bonds in an investment portfolio adjust to a rise in interest rates, the value of the portfolio may decline.