



Dollar Strength Leading to Investor Pain

Why are stocks, bonds, and commodities tumbling? To answer, one only needs to look at one price. The recent strength of the U.S. dollar is pushing most other risk assets lower. For instance, the table below shows the markets that investors woke up to on Friday morning. The U.S. dollar index was higher by almost one dollar, and virtually every asset was red. Dollar strength is occurring in part because the Fed is much more aggressive than all other nations about fighting inflation. Importantly, dollar strength is feeding on itself. As the dollar rises, bond yields are following higher. The result is that U.S. bonds attract foreign money, which must sell their current currency to buy dollars.

Further fueling U.S. dollar strength, many foreign entities borrow in dollars. As dollar appreciation occurs, their ability to repay in dollars becomes more costly, requiring more dollars to satisfy interest and principal requirements. It's also worth adding rapid dollar appreciation can lead to global financial instability and weaker earnings for U.S. companies. The dollar spiral higher may continue. However, the world's central banks closely monitor the U.S. dollar and will likely react powerfully. Such may lead to a robust risk-on rally, but there is no telling how much longer the U.S. dollar will appreciate first.

INDICES							
DJIA 29798.00 H 30240.00 -351.00 L 29747.00 (-1.16%)	S&P 500 3722.75 H 3783.25 -49.25 L 3716.75 (-1.31%)	NASDAQ 100 11398.25 H 11600.25 -167.25 L 11379.50 (-1.45%)	RUSSELL 2000 1701.70 H 1734.20 -26.10 L 1697.40 (-1.51%)	NIKKEI 225 26490.00 H 26865.00 -325.00 L 26435.00 (-1.21%)	EURO STOXX 50 3331.00 H 3446.00 -94.00 L 3324.00 (-2.74%)	DAX 12213.00 H 12641.00 -346.00 L 12198.00 (-2.75%)	VIX 28.90 H 29.00 +0.80 L 27.80 (+2.86%)
ENERGY						BONDS	
CRUDE OIL WTI 80.75 H 83.92 -2.74 L 80.35 (-3.28%)	CRUDE OIL BRENT 87.80 H 90.84 -2.66 L 87.41 (-2.94%)	GASOLINE RBOB 2.4082 H 2.5283 -0.1075 L 2.3929 (-4.27%)	HEATING OIL 3.2786 H 3.4114 -0.1329 L 3.2786 (-3.90%)	NATURAL GAS 7.13 H 7.28 +0.04 L 7.03 (+0.62%)	ETHANOL 2.4500 H 2.4500 +0.0100 L 2.4500 (+0.41%)	30 YEAR BOND 127.44 H 128.72 -0.78 L 126.91 (-0.61%)	10 YEAR NOTE 112.08 H 112.95 -0.67 L 111.78 (-0.60%)
SOFTS							
COCOA 2285.00 H 2315.00 -36.00 L 2269.00 (-1.55%)	COTTON 93.26 H 96.50 -3.28 L 93.00 (-3.40%)	ORANGE JUICE 181.90 H 182.35 +2.70 L 178.55 (+1.51%)	COFFEE 220.85 H 223.40 -2.70 L 220.55 (-1.21%)	LUMBER 460.00 H 489.90 -36.00 L 460.00 (-7.26%)	SUGAR 17.82 H 17.98 -0.18 L 17.80 (-1.00%)	5 YEAR NOTE 107.34 H 107.98 -0.53 L 107.16 (-0.49%)	2 YEAR NOTE 102.58 H 102.83 -0.21 L 102.53 (-0.21%)
METALS					MEATS		
GOLD 1655.20 H 1685.00 -25.90 L 1648.30 (-1.54%)	SILVER 19.10 H 19.75 -0.52 L 18.99 (-2.66%)	PLATINUM 879.90 H 908.20 -26.10 L 874.20 (-2.88%)	COPPER 3.3340 H 3.4725 -0.1370 L 3.3270 (-3.95%)	PALLADIUM 2110.00 H 2174.00 -64.80 L 2088.00 (-2.98%)	LIVE CATTLE 149.45 H 150.75 -1.30 L 149.10 (-0.86%)	FEEDER CATTLE 178.00 H 180.50 -2.32 L 177.75 (-1.29%)	LEAN HOGS 94.13 H 95.10 -0.30 L 93.75 (-0.32%)
GRAINS							
SOYBEANS 1445.75 H 1456.00 -11.25 L 1443.50 (-0.77%)	SOYBEAN MEAL 425.70 H 429.00 -3.20 L 425.10 (-0.75%)	SOYBEAN OIL 65.05 H 66.40 -1.41 L 65.02 (-2.12%)	CORN 679.25 H 688.00 -9.00 L 676.50 (-1.31%)	WHEAT 895.50 H 913.00 -15.25 L 893.50 (-1.67%)	ROUGH RICE 17.40 H 17.40 +0.01 L 17.40 (+0.09%)	OATS 402.50 H 417.50 -14.50 L 402.50 (-3.48%)	CANOLA 811.60 H 818.40 -8.00 L 810.00 (-0.98%)
CURRENCIES							
USD 111.95 H 112.10 +0.84 L 110.84 (+0.76%)	EUR 0.9819 H 0.9913 -0.0073 L 0.9796 (-0.74%)	JPY 0.7065 H 0.7117 -0.0017 L 0.7042 (-0.23%)	GBP 1.1070 H 1.1298 -0.0204 L 1.1040 (-1.81%)	CAD 0.7384 H 0.7425 -0.0027 L 0.7379 (-0.36%)	CHF 1.0286 H 1.0330 -0.0008 L 1.0251 (-0.07%)	AUD 0.6581 H 0.6665 -0.0066 L 0.6568 (-0.99%)	NZD 0.5782 H 0.5858 -0.0059 L 0.5772 (-1.02%)
INDICES							
DJIA 29798.00 H 30240.00 -351.00 L 29747.00 (-1.16%)	S&P 500 3722.75 H 3783.25 -49.25 L 3716.75 (-1.31%)	NASDAQ 100 11398.25 H 11600.25 -167.25 L 11379.50 (-1.45%)	RUSSELL 2000 1701.70 H 1734.20 -26.10 L 1697.40 (-1.51%)	NIKKEI 225 26490.00 H 26865.00 -325.00 L 26435.00 (-1.21%)	EURO STOXX 50 3331.00 H 3446.00 -94.00 L 3324.00 (-2.74%)	DAX 12213.00 H 12641.00 -346.00 L 12198.00 (-2.75%)	VIX 28.90 H 29.00 +0.80 L 27.80 (+2.86%)
ENERGY						BONDS	
CRUDE OIL WTI 80.75 H 83.92 -2.74 L 80.35 (-3.28%)	CRUDE OIL BRENT 87.80 H 90.84 -2.66 L 87.41 (-2.94%)	GASOLINE RBOB 2.4082 H 2.5283 -0.1075 L 2.3929 (-4.27%)	HEATING OIL 3.2786 H 3.4114 -0.1329 L 3.2786 (-3.90%)	NATURAL GAS 7.13 H 7.28 +0.04 L 7.03 (+0.62%)	ETHANOL 2.4500 H 2.4500 +0.0100 L 2.4500 (+0.41%)	30 YEAR BOND 127.44 H 128.72 -0.78 L 126.91 (-0.61%)	10 YEAR NOTE 112.08 H 112.95 -0.67 L 111.78 (-0.60%)
SOFTS							
COCOA 2285.00 H 2315.00 -36.00 L 2269.00 (-1.55%)	COTTON 93.26 H 96.50 -3.28 L 93.00 (-3.40%)	ORANGE JUICE 181.90 H 182.35 +2.70 L 178.55 (+1.51%)	COFFEE 220.85 H 223.40 -2.70 L 220.55 (-1.21%)	LUMBER 460.00 H 489.90 -36.00 L 460.00 (-7.26%)	SUGAR 17.82 H 17.98 -0.18 L 17.80 (-1.00%)	5 YEAR NOTE 107.34 H 107.98 -0.53 L 107.16 (-0.49%)	2 YEAR NOTE 102.58 H 102.83 -0.21 L 102.53 (-0.21%)
METALS					MEATS		
GOLD 1655.20 H 1685.00 -25.90 L 1648.30 (-1.54%)	SILVER 19.10 H 19.75 -0.52 L 18.99 (-2.66%)	PLATINUM 879.90 H 908.20 -26.10 L 874.20 (-2.88%)	COPPER 3.3340 H 3.4725 -0.1370 L 3.3270 (-3.95%)	PALLADIUM 2110.00 H 2174.00 -64.80 L 2088.00 (-2.98%)	LIVE CATTLE 149.45 H 150.75 -1.30 L 149.10 (-0.86%)	FEEDER CATTLE 178.00 H 180.50 -2.32 L 177.75 (-1.29%)	LEAN HOGS 94.13 H 95.10 -0.30 L 93.75 (-0.32%)
GRAINS							
SOYBEANS 1445.75 H 1456.00 -11.25 L 1443.50 (-0.77%)	SOYBEAN MEAL 425.70 H 429.00 -3.20 L 425.10 (-0.75%)	SOYBEAN OIL 65.05 H 66.40 -1.41 L 65.02 (-2.12%)	CORN 679.25 H 688.00 -9.00 L 676.50 (-1.31%)	WHEAT 895.50 H 913.00 -15.25 L 893.50 (-1.67%)	ROUGH RICE 17.40 H 17.40 +0.01 L 17.40 (+0.09%)	OATS 402.50 H 417.50 -14.50 L 402.50 (-3.48%)	CANOLA 811.60 H 818.40 -8.00 L 810.00 (-0.98%)
CURRENCIES							
USD 111.95 H 112.10 +0.84 L 110.84 (+0.76%)	EUR 0.9819 H 0.9913 -0.0073 L 0.9796 (-0.74%)	JPY 0.7065 H 0.7117 -0.0017 L 0.7042 (-0.23%)	GBP 1.1070 H 1.1298 -0.0204 L 1.1040 (-1.81%)	CAD 0.7384 H 0.7425 -0.0027 L 0.7379 (-0.36%)	CHF 1.0286 H 1.0330 -0.0008 L 1.0251 (-0.07%)	AUD 0.6581 H 0.6665 -0.0066 L 0.6568 (-0.99%)	NZD 0.5782 H 0.5858 -0.0059 L 0.5772 (-1.02%)



What To Watch Today

Economy

- 8:30 a.m. ET: **Chicago Fed National Activity Index**, August (0.27 prior)
- 10:30 a.m. ET: **Dallas Fed Manufacturing Activity Index**, September (-12.0 expected, -12.9 prior)

Earnings

- *No notable earnings releases today*

Market Trading Update

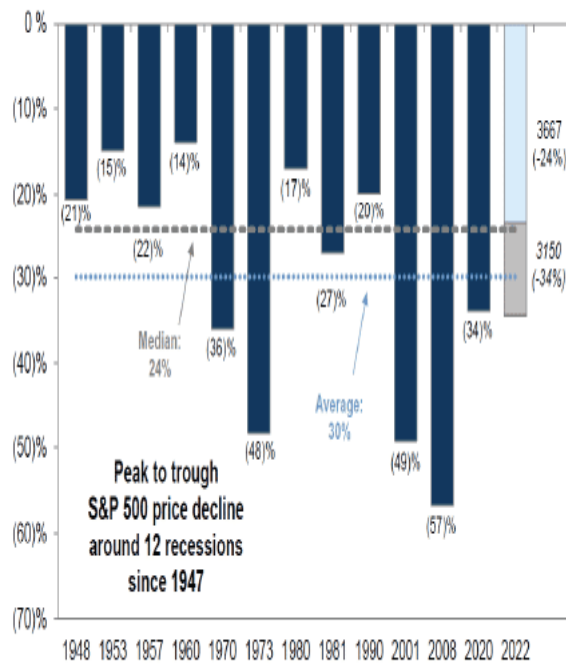
It was a tough week for equities as the Fed hiked 75bps and signaled that *?no pivot?* in policy is coming. Such disappointed the markets in desperate need of some *?encouraging news,* but none was to be had. Furthermore, the Fed slashed economic growth drastically, upped their unemployment projections, and kept inflation expectations elevated through 2023. The dollar strength is also exacerbating issues.

Markets broke through support and tested this year's lows on Friday as selling was broad-based. The market is now figuring out the rising risk of a policy mistake. On Friday, Goldman Sachs slashed their year-end price targets for the S&P 500 index. The *?hard landing?* scenario was most important.

In a recession, we forecast earnings will fall and the yield gap will widen, pushing the index to a trough of 3150. Our economists assign a 35% probability of recession in the next 12 months and note that any recession would likely be mild given the lack of major financial imbalances in the economy. As we previously outlined, in the event of a moderate recession, our top-down model indicates EPS would fall by 11% to \$200.

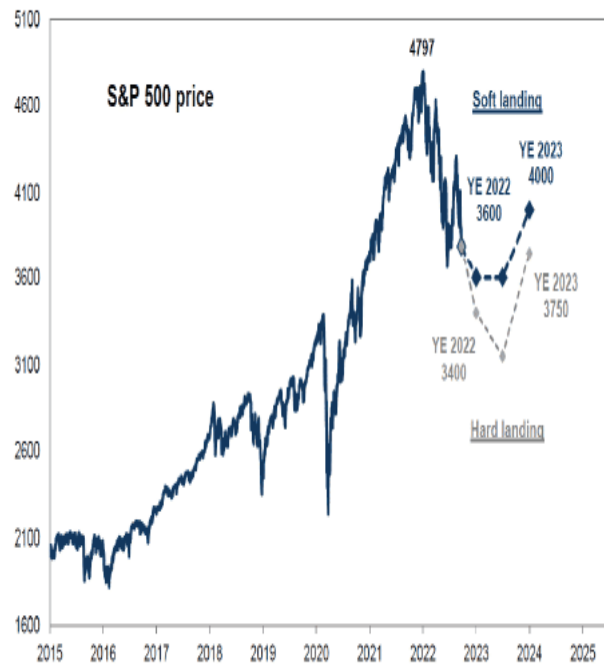
For context, a 34% peak-to-trough decline in the S&P 500 index during a recession would only be slightly worse than the historical average of 30%. We see two risks that would create a more dramatic sell-off in equities during a recession. First, if inflation concerns were to limit the degree of monetary or fiscal policy support and interest rates did not fall, it could lead to even lower valuations or even larger economic and earnings growth declines than we model. Second, concentrated sector weakness, such as Information Technology in 2001 and Financials in 2008, could lead to an even sharper earnings and price decline.

Exhibit 10: S&P 500 typically falls by 30% from peak to trough in recessions



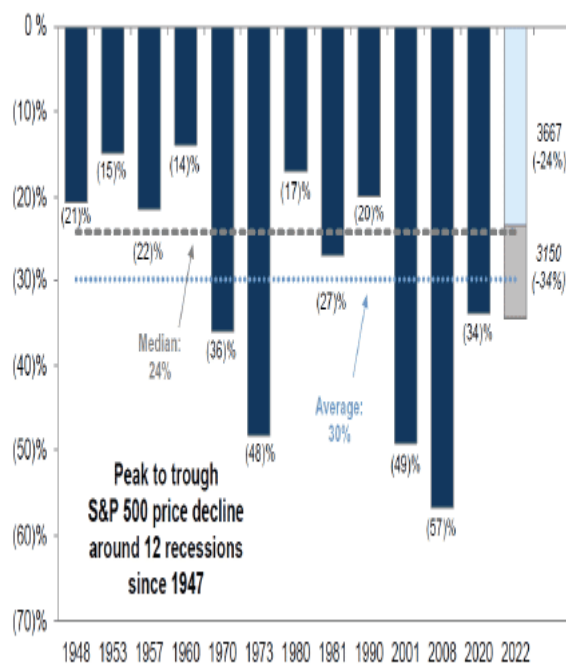
Source: Goldman Sachs Global Investment Research

Exhibit 1: Path of the S&P 500



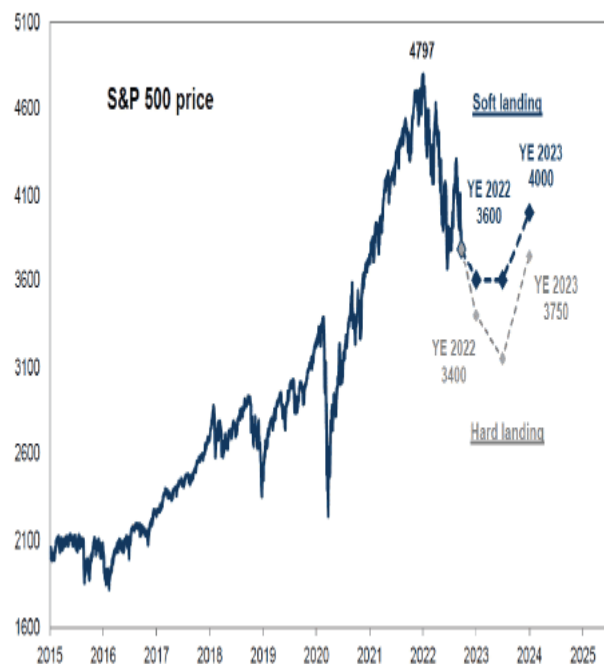
Source: Goldman Sachs Global Investment Research

Exhibit 10: S&P 500 typically falls by 30% from peak to trough in recessions



Source: Goldman Sachs Global Investment Research

Exhibit 1: Path of the S&P 500

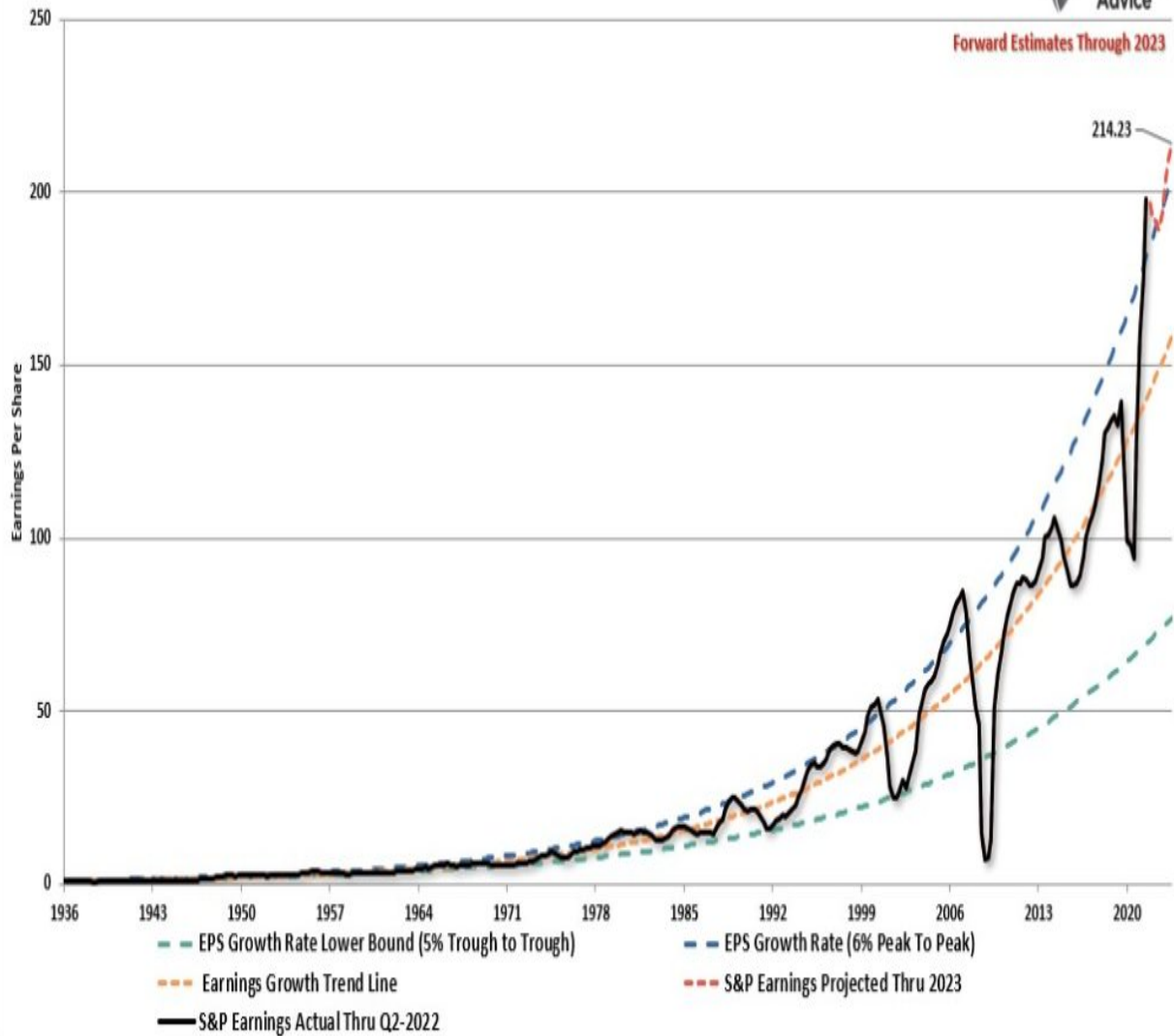


Source: Goldman Sachs Global Investment Research

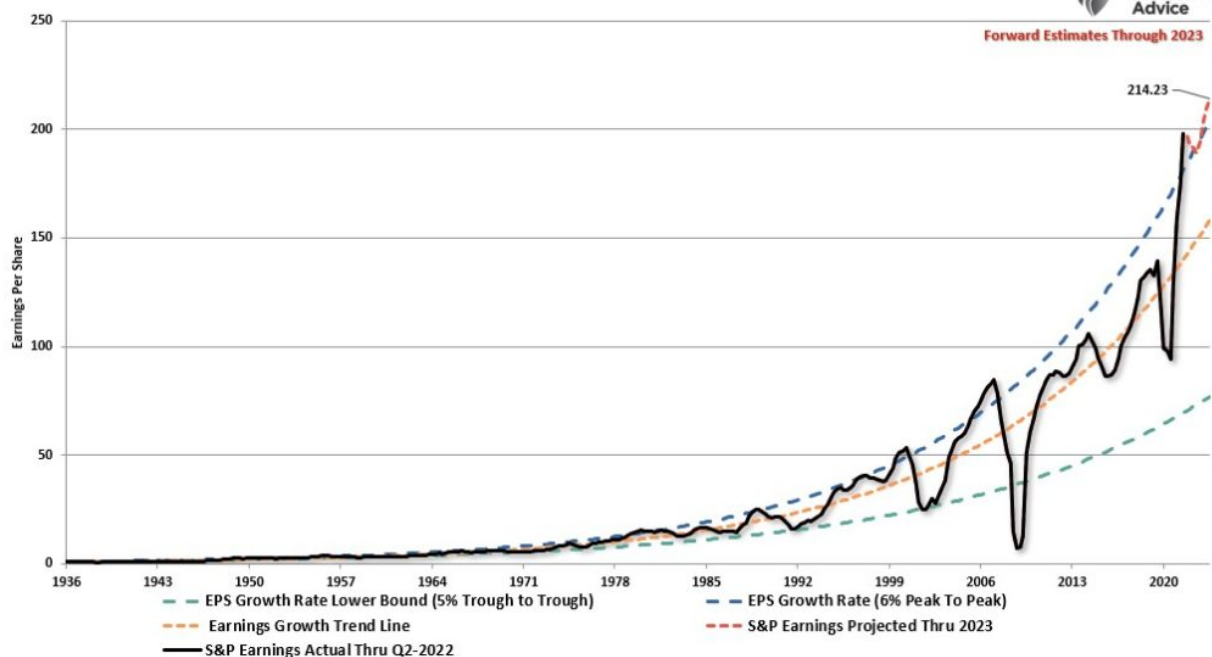
While Goldman is finally coming to grips with economic and fundamental realities, its expectations for only modest earnings and margin decline are still exuberant. As we discussed recently, earnings will likely revert to below \$200/share just to reach the median long-term growth trend.

?More importantly, despite the recent downward revisions, the current estimates still exceed the historical 6% exponential growth trend, which contained earnings growth since 1950, and by one of the most significant deviations ever.?

Earnings Estimates Well Ahead Of Economic Realities



Earnings Estimates Well Ahead Of Economic Realities



Such leaves the markets in a very tenuous position. However, in the short-term, markets are testing this year's lows and are sufficiently oversold to provide a relief rally. However, there is little

to get excited about until the Fed stops hiking rates aggressively and reducing its balance sheet. We will cut equity exposure levels on the next rally and raise cash levels further. Keep a watch on the MACD signal (*top of the chart*), as it will provide the best guidance for a sellable rally near term. There is a lot of congestion at the 3900-4000 level, which will provide sufficient resistance to cap a reflexive rally. Those levels provide a reasonable ?sell? target for now.



The Week Ahead

A decent amount of economic data is spread throughout the week, but Friday will likely be the most important day. The PCE price index is the Fed's preferred inflation gauge. Analysts expect it to show a 0.1% and a year-over-year inflation rate of 6.2%. The more critical core index should rise from 4.6% to 4.7%. Investors will also focus on other inflation indicators this week, such as Chicago PMI, University of Michigan inflation expectations, and the Dallas, Richmond, and Chicago Fed manufacturing indexes.

As we have noted, over a third of CPI is from the housing sector. The Case-Shiller Home Price index will come out tomorrow. Expectations are for a 0.2% increase but a decline in the annual index from 16.2% to 15%.

This Friday will be the last trading day for the quarter. Therefore we may see window dressing trades add to the recent spate of equity volatility.

Is The Fed Trapped?

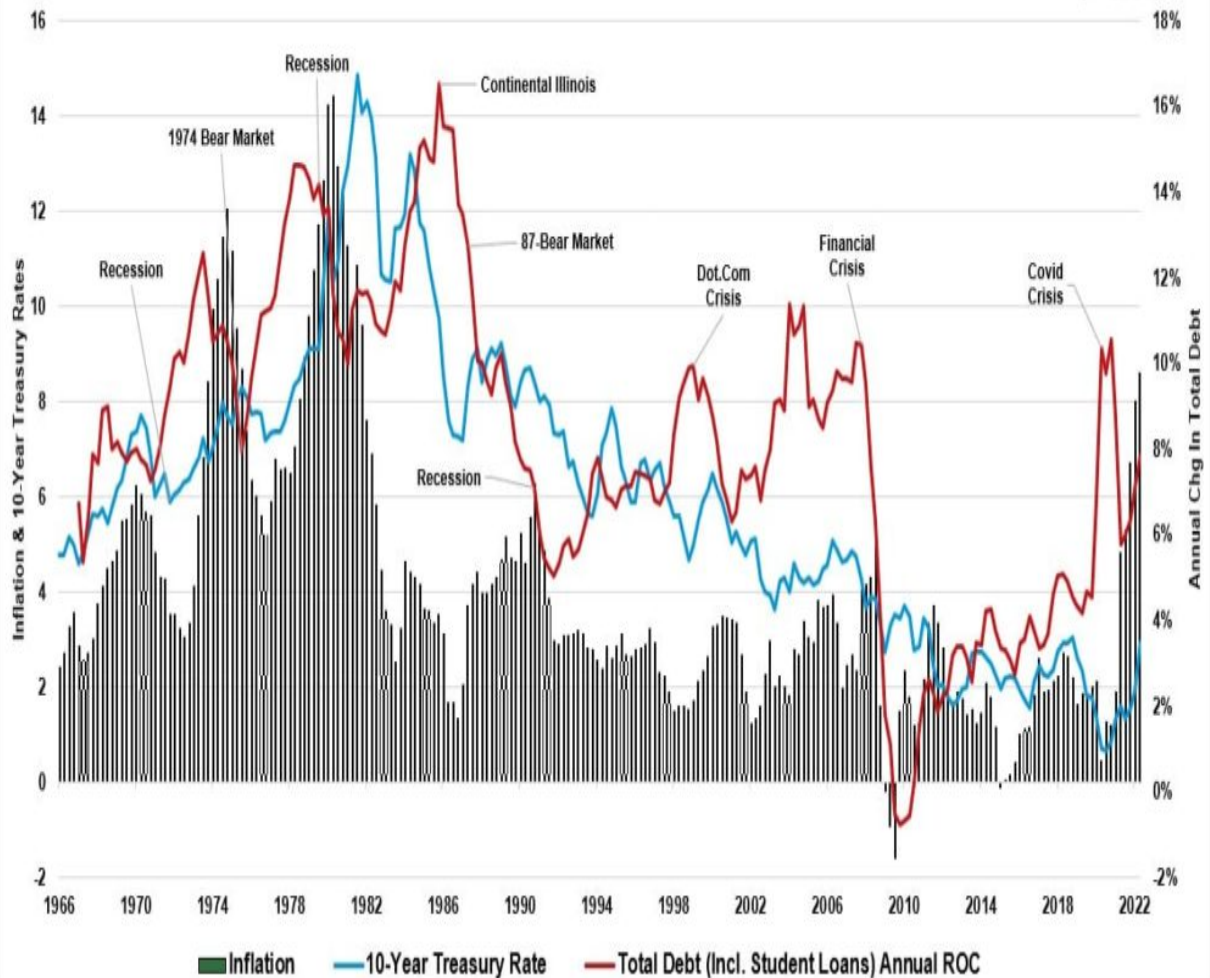
Over the last few months, we have discussed how this instance of fighting inflation is far different from that of the 70s and 80s. This time, the Fed must deal with excessive leverage in the public and private sectors. As such, raising interest rates is a much more powerful tool, but it also presents much more economic and financial damage if rates rise too much. Below are a couple of quotes from articles Michael and Lance put out last week on the topic.

*Restrictive policy, including double-digit interest rates, quelled Volcker's high inflation regime. This time that anecdote is not feasible. Unlike the 70s and early 80s, when debt levels were low and equity valuations cheap, **today's economic and financial environments are the opposite.***

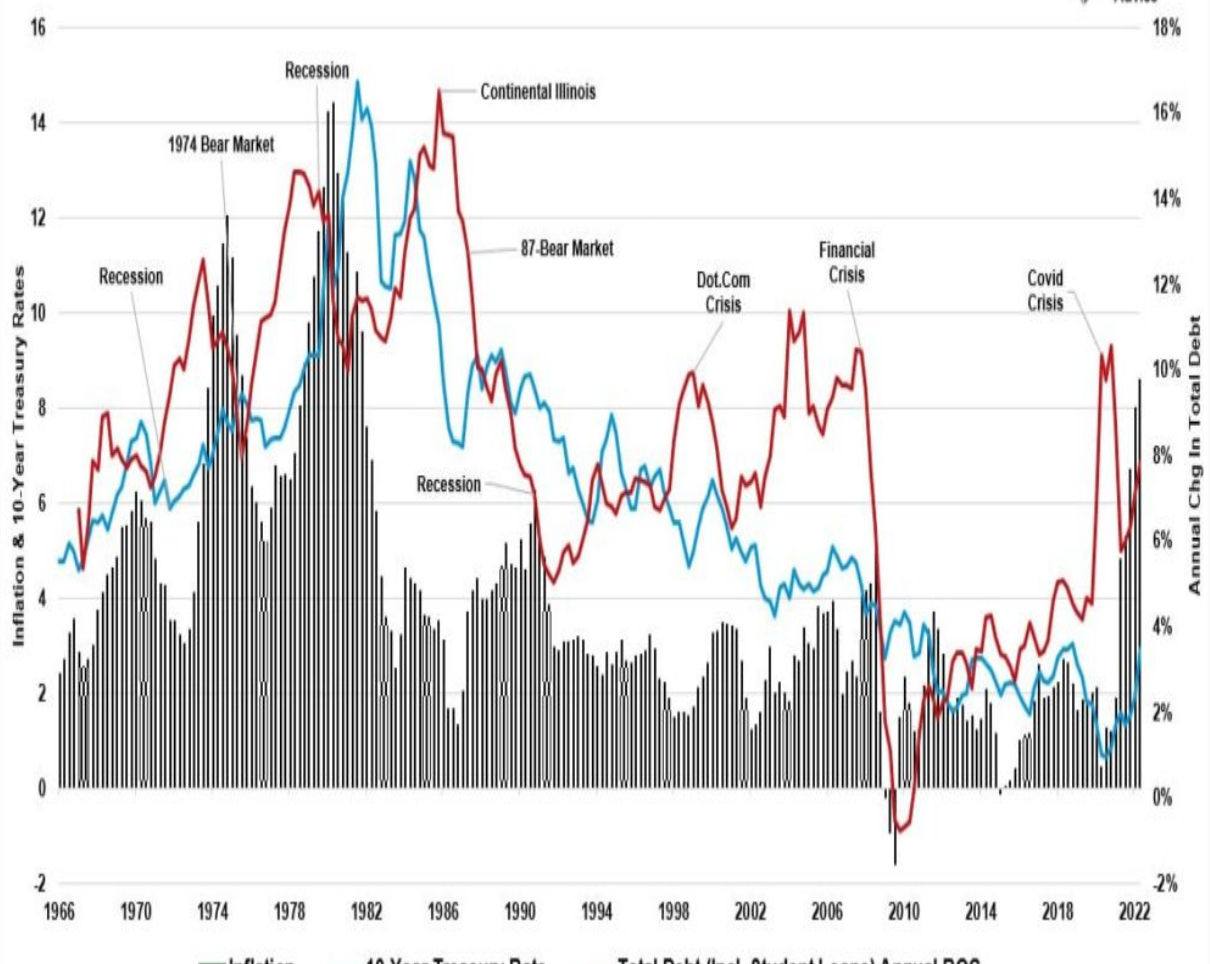
*Today's economy relies heavily on debt for consumption and to roll over maturing debt and avoid bankruptcy. **High-interest rates will be exponentially more damaging than they were forty years ago.** ? [Tail Risk and Persistent Inflation](#) ? Michael Lebowitz*

The reason that slowing economic growth, and killing inflation, is critical for the Fed is due to the massive amount of leverage in the economy. If inflation remains high, interest rates will adjust, triggering a debt crisis as servicing requirements increase and defaults rise. Historically, such events led to a recession at best and a financial crisis at worst. ? [Debt & Why The Fed is Trapped](#) ? Lance Roberts

Spikes In Inflation Lead To Higher Rates And A Collapse In Debt



Spikes In Inflation Lead To Higher Rates And A Collapse In Debt



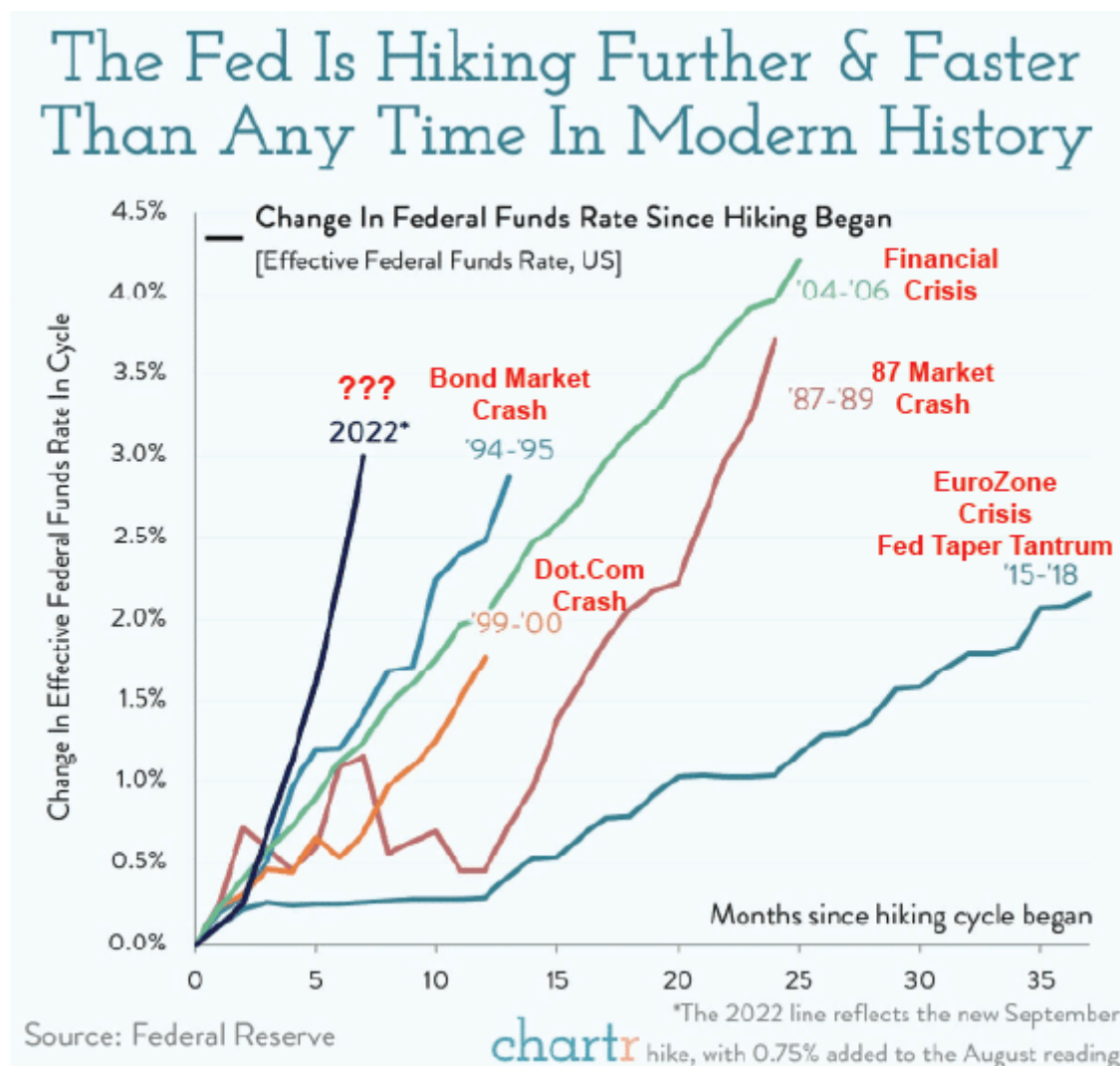
The Fed Is Hiking At A Record Pace

*?This week, the **Federal Reserve signed off on its third consecutive three-quarter point rate hike, lifting the benchmark federal funds rate to a range of 3-3.25%.***

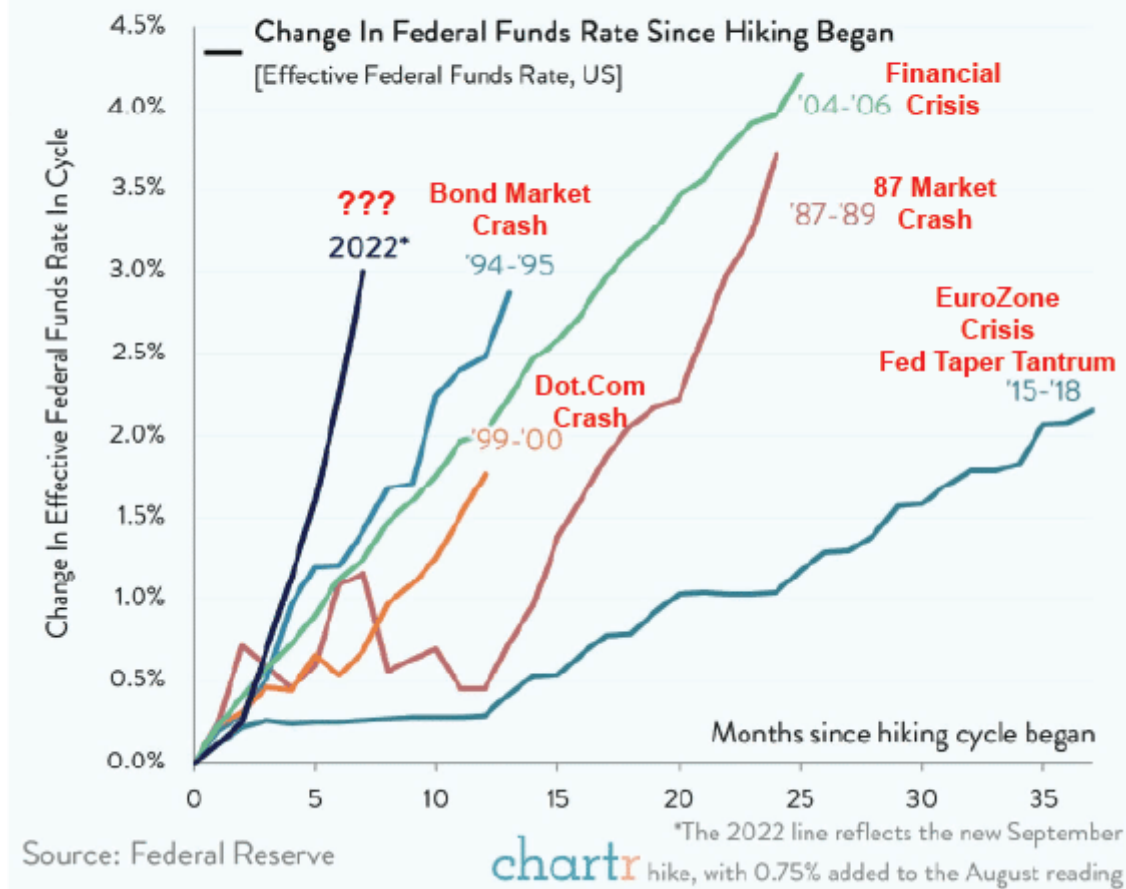
That's an unprecedented pace of rate rises in modern history, signaling the Fed's strong resolve to get **double-digit inflation** under control. No other hiking cycle has started this steeply since the Fed started targeting the Effective Funds Rate in the 1980s.

Unlike when it first appeared on your lockdown dating profile, the Fed's new-found fondness for hiking looks here to stay. Officials project that rate rises will continue into 2023, with estimates that the target rate will hit around **4.6%** by the end of next year. Equity investors were surprised **again** by this week's news, with US stocks down another 3% since Monday. ? ? Chart

Annotations to chart added by Real Investment Advice



The Fed Is Hiking Further & Faster Than Any Time In Modern History



Fannie Mae's Housing and Mortgage Outlook

The table below shows Fannie Mae's latest monthly update and forecast on the housing market and mortgage rates. Since its last update a month ago, there have been significant revisions. For instance, they revised lower home sales. In August, Total home sales were expected to fall by 16.2% and 10.3% this year and next year. In just one month, they revised both figures lower by 1% and 2.5%, respectively. The downgrade is likely in large part due to their outlook on mortgage rates. Fannie Mae expects mortgage rates to average 5% this year and 5.6% in 2023. Current mortgage rates are near 6.50%.

September 12, 2022

	----- 2021 -----				----- 2022 -----				----- 2023 -----						
	21.1	21.2	21.3	21.4	22.1	22.2	22.3	22.4	23.1	23.2	23.3	23.4	2021	2022	2023
SAAR, Thous. Units															
Total Housing Starts	1,581	1,591	1,569	1,679	1,720	1,655	1,394	1,299	1,228	1,205	1,214	1,246	1,601	1,517	1,223
Percent Change: YoY													16.0	-5.2	-19.4
Single-Family (1 Unit)	1,138	1,112	1,104	1,170	1,187	1,088	852	775	761	789	811	847	1,127	976	802
Percent Change: YoY													13.8	-13.5	-17.8
Multifamily (2+ Units)	443	479	465	509	533	567	542	525	468	416	403	399	474	542	421
Percent Change: YoY													21.8	14.3	-22.2
Total Home Sales	7,140	6,704	6,781	6,959	6,833	5,985	5,123	4,863	4,772	4,885	5,061	5,196	6,891	5,707	4,978
Percent Change: YoY													6.6	-17.2	-12.8
New Single-Family	853	754	715	755	776	611	517	491	488	527	579	612	771	599	552
Percent Change: YoY													-6.2	-22.3	-7.9
Existing (Single-Family, Condos/Co-Ops)	6,287	5,950	6,067	6,203	6,057	5,373	4,606	4,372	4,284	4,358	4,482	4,584	6,120	5,109	4,427
Percent Change: YoY													8.4	-16.5	-13.3
Percent Change: Quarterly YoY, Annual Q4/Q4															

Tweet of the Day



Samantha LaDuc
@SamanthaLaDuc

...

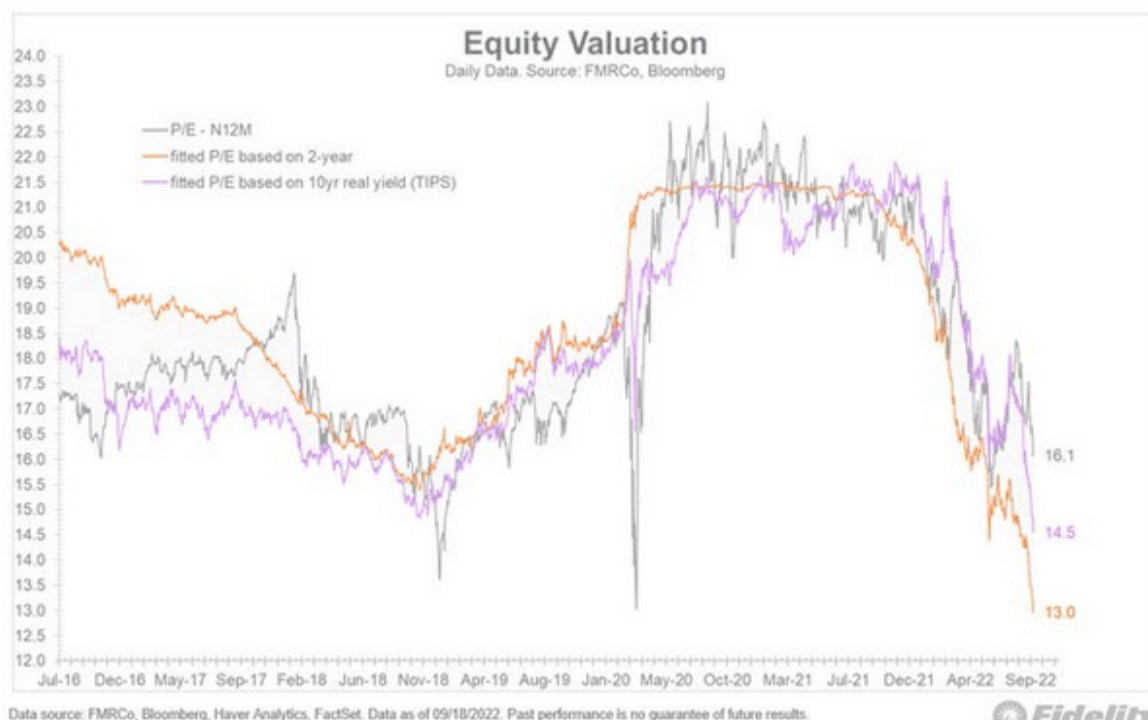
If earnings growth ends up being flat (at \$219) instead of growing +10%, fair value drops to 3000. [\\$SPX](#)



Jurrien Timmer ✓ @TimmerFidelity · 16h

Quick update from the road. After the FOMC yesterday, fair value for the SPX is has now dropped to 14x fwd EPS. That's 3200, which would be another 15% below today's level. And that's assuming the fwd EPS estimate of \$235 holds, which is a big assumption. /THREAD

[Show this thread](#)



Samantha LaDuc
@SamanthaLaDuc

...

If earnings growth ends up being flat (at \$219) instead of growing +10%, fair value drops to 3000. [\\$SPX](#)



Jurrien Timmer ✓ @TimmerFidelity · 16h

Quick update from the road. After the FOMC yesterday, fair value for the SPX is has now dropped to 14x fwd EPS. That's 3200, which would be another 15% below today's level. And that's assuming the fwd EPS estimate of \$235 holds, which is a big assumption. /THREAD

[Show this thread](#)



Please [subscribe to the daily commentary](#) to receive these updates every morning before the opening bell.

If you found this blog useful, please send it to someone else, share it on social media, or contact us to set up a meeting.