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October 10, 2023

Portfolio Strategy October 2023 Real Rates and the Equity Market: Fatter Tails The Stakes are Up

- Real long-term rates have climbed by more than +100 basis points this year, with most of the move occurring since June. They're the highest they've been in more than two decades, seemingly a response to the resilience of the economy and changes in the rhetoric and forecasts of the Fed. Given the enormous move in the discount rate the market's multiple has contracted by relatively little, less than a third of what we'd expect based on a theoretical model. It's apparent that equity investors are skeptical that the spike in rates will prove long lasting. We share that opinion, particularly given the improvements in the inflation and wage data. The current level of real rates is +100 basis points above our estimate of what should constitute normal in the 2020s.
- All of this has made the tails of the expected return distribution for equities fatter. If the bond market changes its view, and real rates retrace some or all of this year's move, that will boost multiples, provided the cause of the shift isn't a recession. Long-duration, high-growth issues and stable stocks would be the primary beneficiaries of that change. If on the other hand the equity market decides that +250 basis point real long rates are the new normal, there could be pressure on multiples. This year's rate increase mirrors that of the first nine months of 1987, pre-crash, although today's yield relationships are far less worrisome and corporate profitability is at an entirely different level. We don't think the market is paying us to go out on any limbs and our portfolios are unusually diversified, still with a mega-cap bias.
- The enormity of the budget deficit is one of the many factors influencing rates. The funding of that debt is an issue as the savings glut in the emerging markets has faded, as has the upward skewing of the U.S. income distribution. This year though purchases by foreigners have absorbed more than 40% of the issuance, the most in a decade. We think the best explanations for the rise in real rates are the positive economic surprises from the labor and housing markets, where the aging of Boomers has produced meaningful supply effects. The excess savings that developed during the Pandemic have also played a role in funding consumption, and we estimate that around a third of it remains on balance sheets, mostly in the top-fifth of the distribution.
- Typically rising real rates have constituted a tailwind for value strategies and those that emphasize the conservative deployment of capital. Lots of current free cash flow generation has also been a virtue. All of that once again proved true this year and our core stock selection model has generated almost +10 points of alpha. The energy and industrial capital equipment sectors have the best records in these periods, and that's been the case this time as well. Stable stocks, led by the utilities, have lagged, and those parts of the market are now of at least average appeal.

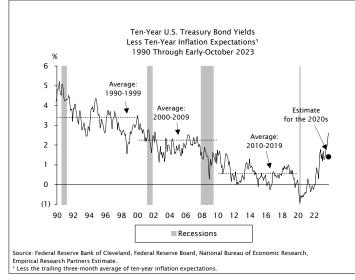
Conclusion: Sitting Pat

• This year has been frustrating for many stock pickers as the behavior of the bond market has explained 60% of the cross-market return distribution, one of the highest readings in six decades. That's generally been a bullish sign and returns in the next year have averaged almost +16%, with double-digit ones in 9 of the 15 episodes and no significant losses. While we think the bullish outcome is more likely than the bearish one, there are so many moving pieces at work, including the shifting decisionmaking framework of the Fed, as to limit our confidence. We're keeping our powder dry and Appendix 1 presents a portfolio we created back in July that represents our thinking. So far it's outperformed the market by +3 points. Nicole Price (212) 803-7925 Sungsoo Yang (212) 803-7925 Yi Liu (212) 803-7942 Sean Duncan (212) 803-7965 Janai Haynes (212) 803-8005

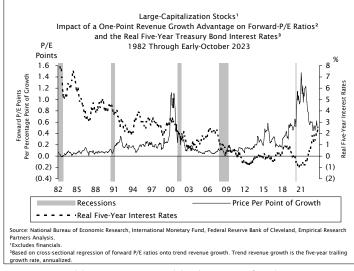
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Conclusions in Brief

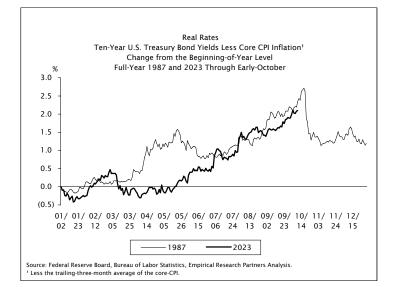
• Real rates have soared...



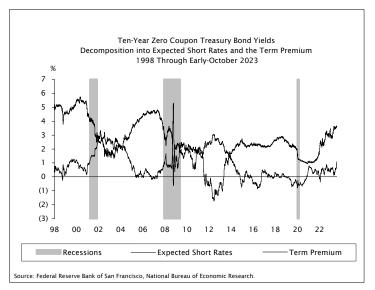
• The equity market has taken the rise mostly in stride, believing it's transitory...



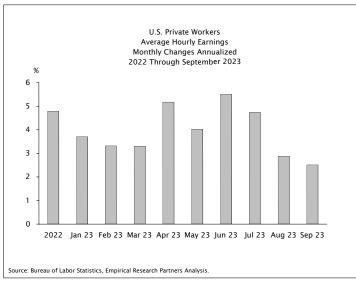
• It's possible sentiment could take a turn for the worse...



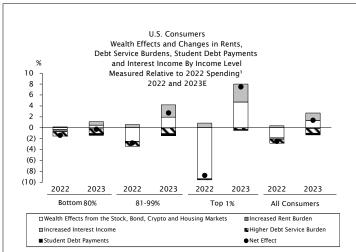
• ...In part a consequence of higher for longer:



...A view we share:



 ...And wealth effects are a key transmission channel for monetary policy:



Source: Federal Reserve Board, Investment Company Institute, The Vanguard Group, Empirical Research Partners Analysis. Wealth Effects range from 1.5% to 3.5% for stocks and bonds and 3% to 6% for housing. Rent growth is assumed to be +4.2% in 2023 Wealth Effects from the stock, bond, crypto and housing markets are through early OroCotber 2023.

Real Rates and the Equity Market: Fatter Tails

The Stakes are Up

Real long-term interest rates have soared, increasing by more than +100 basis points this year and by more than +88 basis points just since the end of June (see Exhibit 1). They're now +100 basis points above our guesstimate of "normal" in the 2020s that we put together in April. The bond market has become convinced that the economy just isn't all that rate sensitive, and the Fed's forecasts imply that short rates will stay higher for longer (see Exhibit 2). That thinking is apparent in the yields of ten-year Treasury bonds, that've caught up with that priced into the one-year-forward Fed Funds futures (see Exhibit 3). The longstanding bearish prognostication of the yield curve proved incorrect, and we've had a dramatic bear steepening.

% 7

6

5 4

3

2

0

(1)

(2) J 98 00 02 04 06 08 10 12 14 16 18 20 22

Recessions

Fconomic Research

Exhibit 4: Real Rates

Exhibit 2: Ten-Year Zero Coupon Treasury Bond Yields

1998 Through Early-October 2023

and the Term Premium

Decomposition into Expected Short Rates

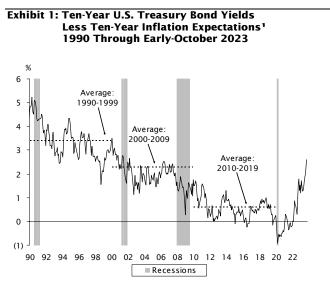
Expected Short Rates

Source: Federal Reserve Bank of San Francisco. National Bureau of

Ten-Year U.S. Treasury Bond Yields

Less the Trailing Three-Month Core-CPI

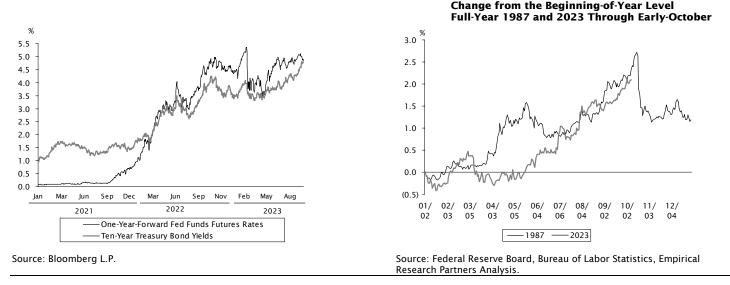
Term Premium



Source: Federal Reserve Bank of Cleveland, Federal Reserve Board, National Bureau of Economic Research, Empirical Research Partners Analysis.

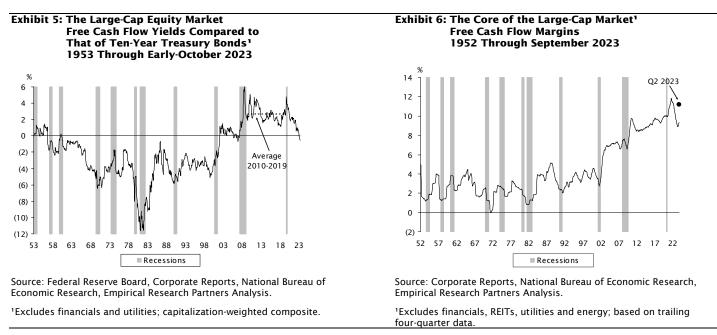
¹Less the trailing three-month average of ten-year inflation expectations as estimated by the Cleveland Fed model.



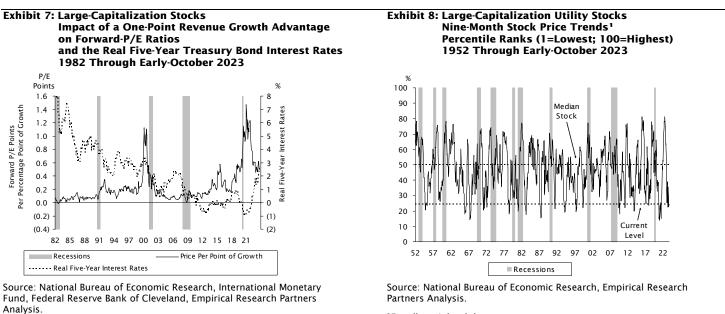


Ominously, all of this reminds us of 1987, when real rates climbed for nine months, with disastrous consequences (see Exhibit 4). There are of course notable differences between the two periods. Back then, the yield of ten-year Treasuries exceeded the free cash flow yield of the large-cap equity market by +477 percentage points, and now the gap is +56 basis points (see Exhibit 5). The current differential is however the widest since mid-2007. When we use earnings yields the comparison is +154 basis points versus (73) basis points. We're not sure what the relationships

should be as free cash flow margins have been trending higher for decades and are today more than twice their level of 35 years ago (see Exhibit 6). Second-quarter margins were close to a record level despite a multi-year inflation headwind. The price being paid for top-line growth, while down dramatically from its 2020 peak, is still far above the levels of the late-1980s (see Exhibit 7).



The internal dynamics of the equity market have been heavily influenced by the spike in real rates. The utilities have lagged the cap-weighted market by (30) percentage points this year, and their nine-month price momentum is at one of its worst levels in seven decades (see Exhibit 8).



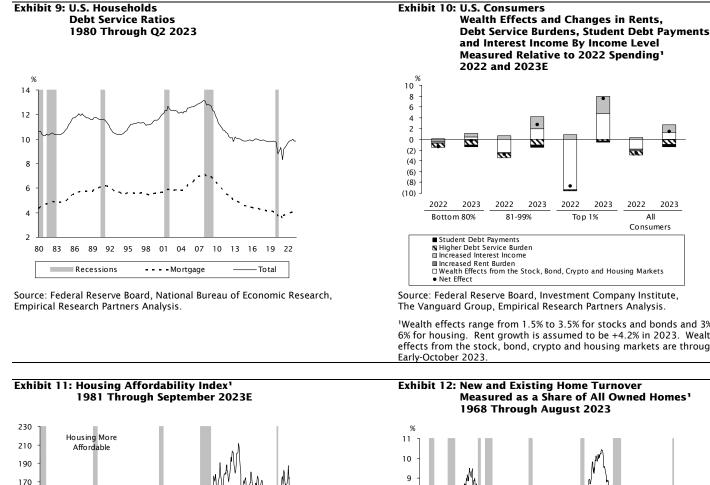
¹Equally-weighted data.

Less Rate Sensitivity: Bond Market Schizophrenia

This year bond investors have reached the conclusion that the economy is less rate sensitive and more resilient than they had thought, and at the same time the forecasts and rhetoric of the Fed have suggested both higher for longer and some rethinking of what constitutes the neutral rate of interest. Their change of heart is consistent with our work on the subject, that dates to several years ago.¹

¹Portfolio Strategy July 2021. "Addicted? Gauging the Rate Sensitivity of the Economy;" Portfolio Strategy November 2021. "Interest Rate Sensitivity: The Trillion Dollar Question;" Portfolio Strategy May 2023. "Real Rates: Higher or Lower Ahead;" Portfolio Strategy September 2023. "Yield Curve as Seer: Fallible?"

Both consumers and corporations refinanced their debt long near the bottom in rates and thus far the rise in them has produced relatively small effects on their spending power (see Exhibit 9). Moreover, households' fixed income portfolios are predominantly invested short, while they're financed long. As illustrated by the grey bars in Exhibit 10, the boost to interest income from higher short rates has been material for those in the top-fifth of the income distribution, a group that sources nearly 40% of consumption.



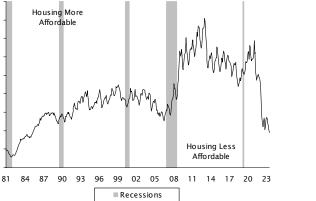
'Wealth effects range from 1.5% to 3.5% for stocks and bonds and 3% to 6% for housing. Rent growth is assumed to be +4.2% in 2023. Wealth effects from the stock, bond, crypto and housing markets are through

-

2022

All Consumers

2023



150

130 110

90

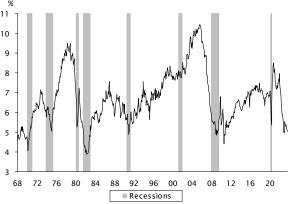
70

50

Source: Bloomberg L.P., National Association of Realtors, National Bureau of Economic Research, Empirical Research Partners Analysis and Estimates.

¹A value of 100 indicates the qualifying income based on median home prices and 30-year fixed mortgage rates equals the median income throughout the U.S. A 20% downpayment and 25% of income devoted to mortgage interest and principal are assumed.

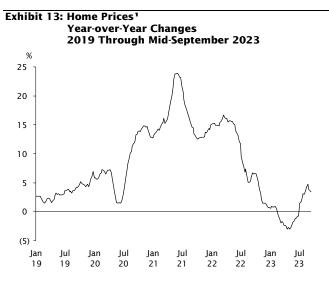




Source: Census Bureau, National Association of Realtors, Empirical Research Partners Analysis

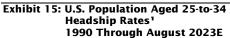
'Includes occupied and vacant homes and those used occasionally.

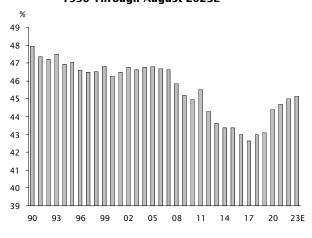
Housing, usually the most rate-sensitive part of the economy, is among the things that have been different this time. Even though affordability and home turnover predictably collapsed as the cost of financing more than doubled, home prices and starts have held up (see Exhibits 11 through 14). One reason for that is household formation accelerated, boosting demand, and investors remained a part of the equation, representing more than a quarter of purchases (see Exhibits 15 and 16). Even now vacancy rates for owner-occupied homes are at record lows, and more importantly so too is the inventory of them listed for sale (see Exhibits 17 and 18). The supply effect subsumed the demand shock. Auto sales held up too despite the run-up in prices during the Pandemic (see Exhibits 19 and 20).



Source: Redfin.

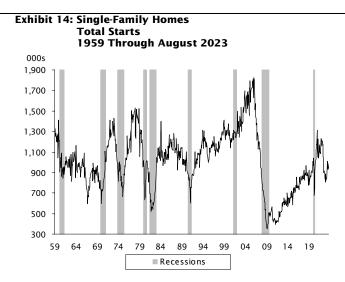
'Weekly series for prices of homes sold.



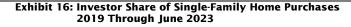


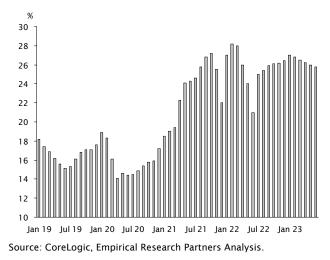
Source: U.S. Census Bureau, Empirical Research Partners Analysis. ¹Households compared to the total population.

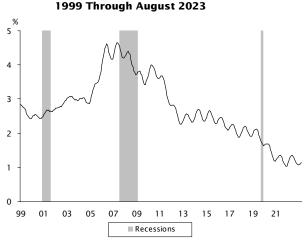




Source: National Bureau of Economic Research, Empirical Research Partners Analysis.





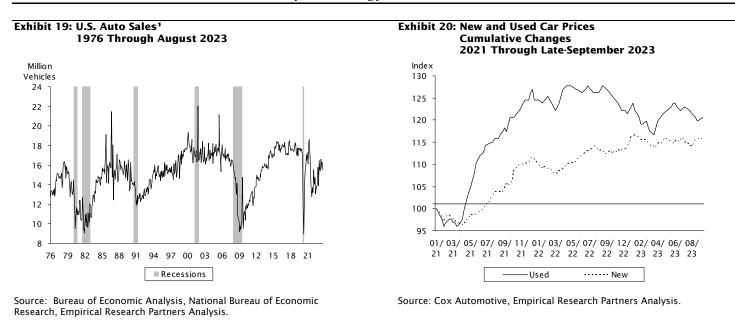


as a Share of the Stock of Owned Homes'

Source: Bloomberg, L.P., Census Bureau, National Bureau of Economic Research, Empirical Research Partners Analysis.

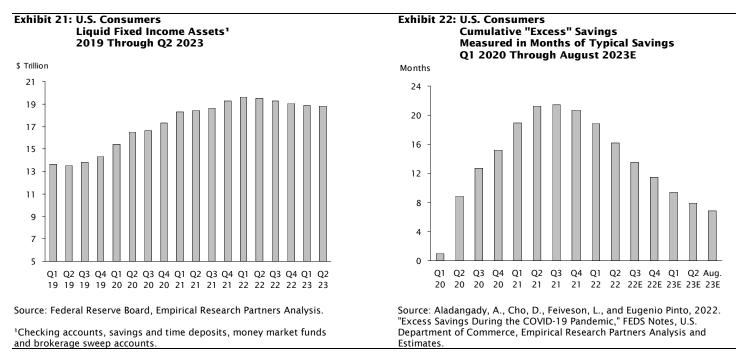
¹Data smoothed on a trailing six-month basis.

Exhibit 18: Existing Listed Homes for Sale



¹Data seasonally-adjusted.

Some of the resilience in consumer spending is attributable to the enormous build up in savings that occurred during the Pandemic. There's a debate about how much of it remains. The aggregates suggest that lots of liquidity is still in place, \$4 trillion more than at the beginning of the decade (see Exhibit 21). We estimate that roughly a third of the "excess" savings of the Pandemic period has yet to be spent (see Exhibit 22).



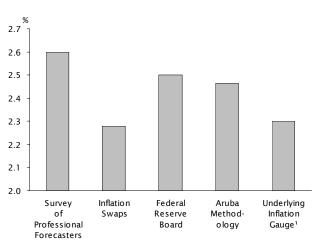
Inflation: The Main Event

Monetary policy still seems to depend mostly on the stickiness of inflation. The forecasts for next year are clustered around 2.5%, and the latest reading from the Underlying Inflation Gauge, that tries to extract the primary trend from the data, was 2.3% (see Exhibit 23). Both tails of the distribution are coming down, a positive (see Exhibit 24).

In normal times the swaps have a better record in predicting inflation than do the forecasts of economists, and they're expecting 2.3% a year from now (see Exhibit 25). Ten-year expectations lie between 2.2% and 2.6% (see Exhibit 26). That would put real rates on ten-year Treasury bonds in the range of 2.2% to 2.6%.

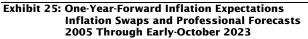
The labor market figures large in the inflation outlook and we seem to be in the midst of a gradual normalization process (see Exhibit 27). In fact, quit rates in most parts of the economy are back to their 2019 level (see Exhibit 28).

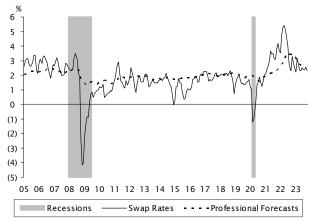
Exhibit 23: One-Year Inflation Expectations As of Early-October 2023



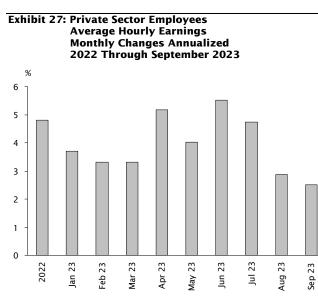
Source: Federal Reserve Board, Federal Reserve Banks of Philadelphia, Cleveland and New York, Bloomberg L.P.

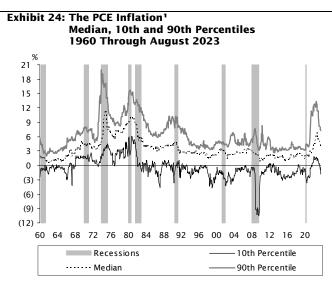
'Measure of trend inflation.





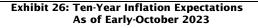
Source: Bloomberg L.P., Federal Reserve Bank of Philadelphia, National Bureau of Economic Research, Empirical Research Partners Analysis.

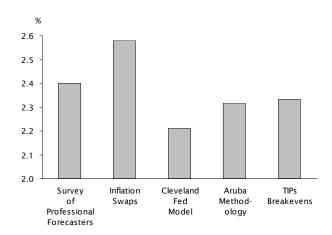




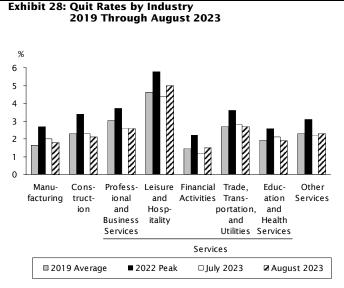
Source: Federal Reserve Bank of San Francisco, National Bureau of Economic Research, Empirical Research Partners Analysis.

¹Based on level 4 PCE aggregates; year-over-year data.





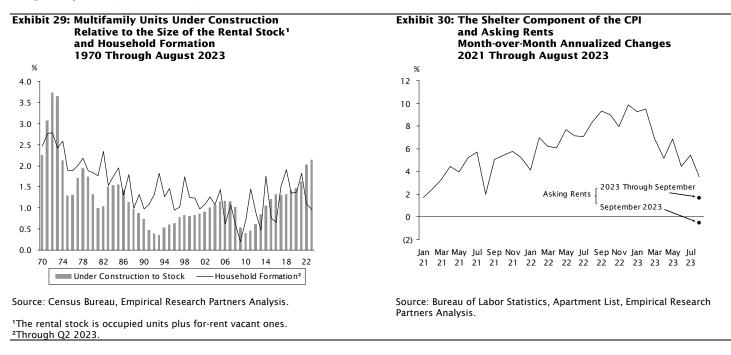
Source: Federal Reserve Banks of Philadelphia and Cleveland, Bloomberg L.P.



Source: Bureau of Labor Statistics, Empirical Research Partners Analysis.

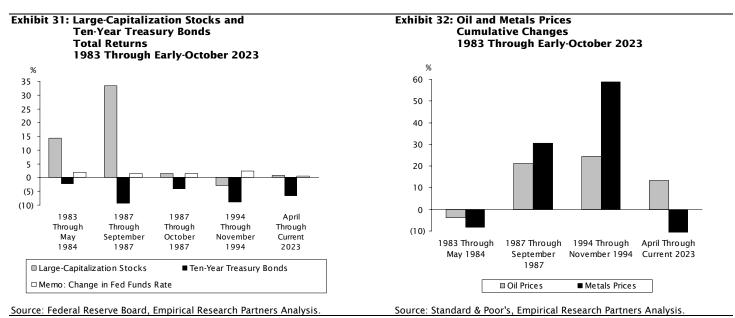
Source: Bureau of Labor Statistics, Empirical Research Partners Analysis.

Our read of the inflation data is that it's improving, and should be helped along by the surging supply of new apartments (see Exhibit 29). That's producing deflation in rents, a big change from what's been going on in the last couple of years (see Exhibit 30).

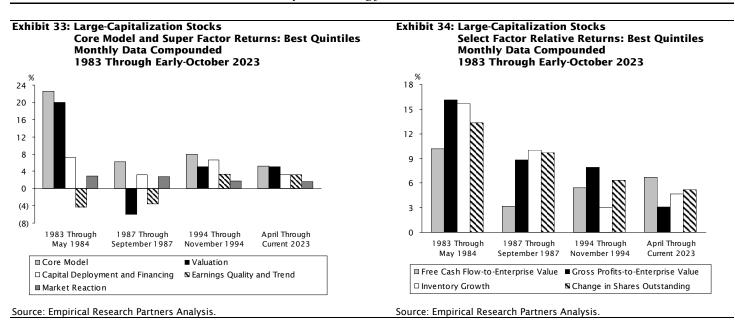


The Tale of the Tape: The Precedents

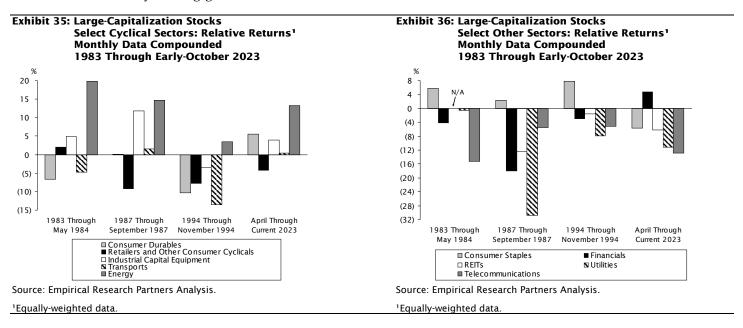
To get some perspective on the behaviors in the equity market we examined what unfolded in the modern-era episodes of rising real rates: 1983 through May 1984, the first nine (and ten) months of 1987, and in the first 11 months of 1994. We then compared those results to what's played out since April. Bonds have of course performed poorly and the equity market has been about flat, on a small change in the Fed Funds rate (see Exhibit 31). Of course the 1987 episode looks entirely different when October of that year is included in the analysis, the middle set of bars. In three of the four episodes rising oil prices contributed to the upward pressure on rates (see Exhibit 32).



Our stock selection models performed well in all the episodes, as low valuation and the conservative deployment of capital turned out to be virtues (see Exhibit 33). The nominals were generally strong and the discount rate was rising, so buying free cash flow or even gross profits on the cheap has paid off (see Exhibit 34). Inventory drawdowns and shrinking share counts were also rewarded. Our core model has generated almost +10 points of alpha so far this year.



The evidence on sector performance is less conclusive. Energy and the industrial capital equipment sector have the best records, while the stable parts of the market have the worst ones (see Exhibits 35 and 36). Software and semis have been the winners among the growth groups (see Exhibit 37). Of course we're looking at what's happened and real rates have already had a gigantic move.



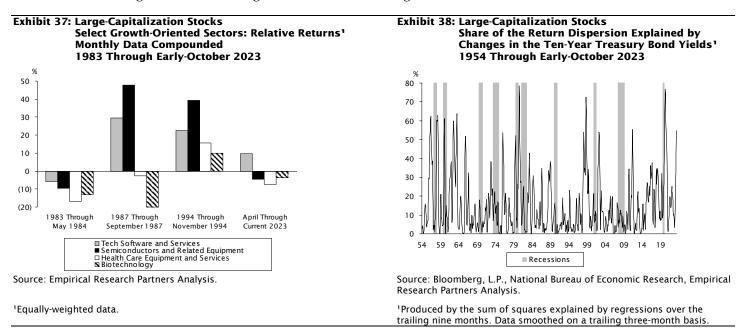
Conclusion: What is Normal?

This year the macro has taken over from the micro, and 60% of the cross-market dispersion in the returns can be explained by changes in Treasury bond yields (see Exhibit 38). Readings of that sort have been a bullish signal, with double-digit returns in 9 of the 15 episodes since 1952 and no significant losses. In the last quarter or so real rates have taken center stage and the discussion has turned to what is the new normal might look like. When we examined the topic in depth last April and concluded the following:

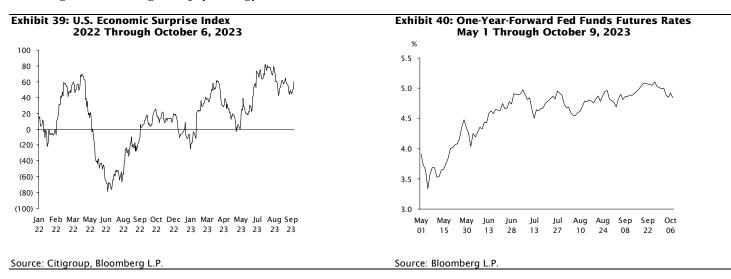
Our view is that the odds favor higher real rates in the 2020s than in the 2010s. We think that those built into ten-year Treasuries might fall about halfway in between the average of the 2000s, +2%, and that of the 2010s, +60 basis points, putting them in the +125 to +150 basis point range. Today's labor market looks to be structurally tighter than those of the last couple of decades, the budget deficit is up, and reserve accumulation in the emerging world and the upward skewing of the U.S. income distribution have both slowed. To the extent we see a meaningful reversal of globalization, that we haven't so far, that could prove inflationary. Green energy and the need to relocate production facilities around the world could raise the capital intensity of the system,

reducing excess savings. The growth of the internet, artificial intelligence and more broadly, the use of technology, works in the opposite direction, pushing down real rates.

We think a greater time value of money means that valuation should be part of the stock selection process, and it will be harder for a growth-at-any-price mindset to reemerge. A balanced approach, like that employed in our quantitative models, should generate alpha when companies' financial performance in the here-and-now, as well as their long-horizon stories figure into decisionmaking.

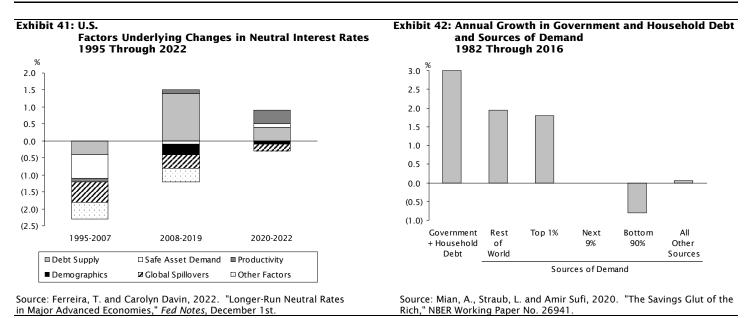


Those conclusions still seem sensible. In the intervening five months the economy has continued to surprise to the upside (see Exhibit 39). At the same time the Fed has endorsed the view that real rates will be higher than in the recent past and that guidance has been incorporated into the Fed Fund's futures (see Exhibit 40). Those two dynamics came together to change the psychology of the bond market.

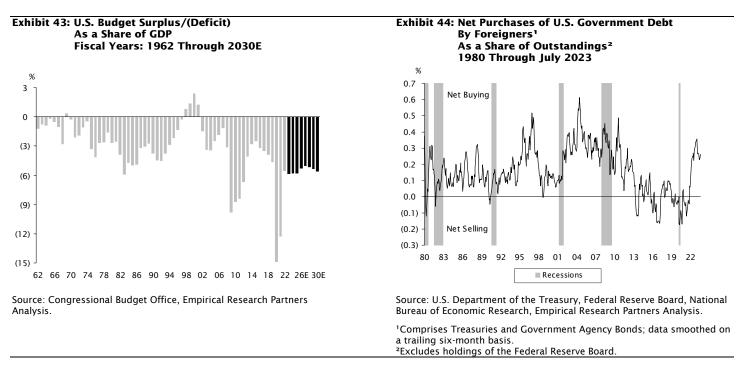


Of course real rates are an abstraction that's influenced by many factors, including the longstanding upward skewing of the U.S. income distribution that added to demand for bonds (see Exhibits 41 and 42). There's a wide range of estimates for where R*, the natural real rate of interest, lies. For example, an influential model maintained by the New York Fed puts that number at +57 basis points, while another developed at the Federal Reserve Bank of Richmond estimates it to be +228 basis points.² That's a wide spread.

²Lubik, T. A. and Christian Matthes, 2023. "The Stars Our Destination: An Update for Our R* Model." Federal Reserve Bank of Richmond Economic Brief, No. 23-32.



The discussions we've had with clients on this topic have usually centered on the enormity and persistence of the budget deficit and the ability of the global system to finance it (see Exhibits 43 and 44). While we think that's part of the story we think the larger factors at work have been strength of the economy and the rhetoric and forecasts of the Central Bank.



Real rates are a foundation of the financial markets and they've been trending lower for decades, even centuries, coloring perceptions of how things work. We're concerned that the tail risk is up. The compression in the multiple of the market that we've experienced since June is only about a third of what we'd theoretically expect to occur given the spike in the cost of capital that's occurred. On the other hand a reversal of this year's move would be bull-ish for risk assets and would in all likelihood stall the momentum of the market's seven-largest issues.

Clearly equity investors believe this is a transitory phenomenon, and so do we, but the confidence one can have in that point of view is far from complete. Our valuation spreads aren't very far from their long-term average and our Regime Indicator is close to neutral for the first time in 15 months. Given what still seems to be an undistinguished opportunity set in the equity market, our portfolios are more diversified than usual, with a tilt toward mega-cap free cash flow generators. Appendix 1 on page 13 presents a core portfolio we created a few months ago designed to outperform the S&P 500. It still represents our thinking.

Appendix 1: U.S. Large-Capitalization Stocks Growth Stock Selection Model Optimized Portfolio Versus The S&P 500 As of Early-October 2023

| | | | Recommended | | Market Capitalizatio |
|------------------|---|----------|-------------|--------|-------------------------|
| ymbol | Company Name | Price | Weight | Weight | (\$ Billion) |
| | r Cyclicals: r Durables | | | | |
| FN | LENNAR CORP | \$108.64 | 1.5 % | | \$30.9 |
| NVR | NVR INC | 5,951.68 | 1.5 % | | 19.4 |
| ISLA | TESLA INC | 260.05 | 1.0 | | 825.4 |
| | mer Durables Total | 200.05 | 4.0 % | 2.7 % | 025.1 |
| etail and | l Other Consumer Cyclicals | | | | |
| 1CD | MCDONALD'S CORP | \$252.23 | 2.5 % | | \$183.8 |
| KNG | BOOKING HOLDINGS INC | 3,018.76 | 2.5 | | 108.8 |
| MZN | AMAZON.COM INC | 125.96 | 2.5 | | 1,299.0 |
| /MT | WALMART INC | 159.08 | 1.5 | | 428.2 |
| Retail | and Other Consumer Cyclicals Total | | 9.0 % | 9.5 % | |
| | l Entertainment | | | | |
| OOGL | ALPHABET INC | \$135.07 | 5.0 % | | \$1,708.4 |
| IETA | META PLATFORMS INC | 304.79 | 1.5 | | 784.3 |
| Media | and Entertainment Total | | 6.5 % | 8.1 % | |
| | Cyclicals: | | | | |
| | luipment | | | | |
| AST | FASTENAL CO | \$54.90 | 2.0 % | | \$31.4 |
| _DR Capita | BUILDERS FIRSTSOURCE | 119.97 | 1.0 | 5.4 % | 15.0 |
| | | | | | |
| ommerci RSK | ial Services and Supplies VERISK ANALYTICS INC | \$238.63 | 1.0 % | | \$34.6 |
| CO | MOODY'S CORP | 313.99 | 1.0 % | | 57.6 |
| | ercial Services and Supplies Total | 515.55 | 2.0 % | 1.3 % | 57.0 |
| ndustrial | Commodities | | | | |
| TLD | STEEL DYNAMICS INC | \$106.97 | 1.5 % | | \$17.8 |
| ссо | SOUTHERN COPPER CORP | 71.69 | 1.0 | | 55.4 |
| S | RELIANCE STEEL & ALUMINUM CO | 258.44 | 1.0 | | 17.0 |
| | rial Commodities Total | 250.11 | 3.5 % | 2.4 % | 11.0 |
| ransport | ts | | | | |
| XPD . | EXPEDITORS INTERNATIONAL WAS | \$114.21 | 1.5 % | | \$16.9 |
| SX | CSX CORP | 30.41 | 1.5 | | 61.0 |
| Transp | oorts Total | | 3.0 % | 1.5 % | |
| echnolog | gy: gy Software and Services | | | | |
| echnolog ISFT | MICROSOFT CORP | \$319.36 | 8.0 % | | \$2,373.5 |
| DBF | ADOBE INC | \$319.30 | 2.5 | | \$2,575.5 235.5 |
| A | MASTERCARD INC | 394.20 | 2.5 | | 371.8 |
| RSN | VERISIGN INC | 205.08 | 2.0 | | 21.2 |
| RSIN TNT | FORTINET INC | 58.02 | 2.0 | | 45.6 |
| ANW | PALO ALTO NETWORKS INC | 236.78 | 1.0 | | 45.6 |
| | ology Software and Services Total | 230.78 | 17.0 % | 14.5 % | 75.1 |
| achnolog | gy Hardware | | | | |
| API | APPLE INC | \$174.91 | 7.0 % | | \$2,737.0 |
| SCO | CISCO SYSTEMS INC | 53.07 | 1.0 % | | 215.8 |
| | ology Hardware Total | 55.07 | 8.0 % | 8.9 % | 213.0 |
| | | | 0.0 /0 | 0.5 70 | |

| | | | | | Market | | |
|----------------|--------------------------------------|-----------|-------------|-----------|----------------|--|--|
| | | | Recommended | Benchmark | Capitalization | | |
| Symbol | Company Name | Price | Weight | Weight | (\$ Billion) | | |
| Semiconductors | | | | | | | |
| AVGO | BROADCOM INC | \$823.86 | 2.5 % | | \$340.3 | | |
| LRCX | LAM RESEARCH CORP | 625.83 | 2.0 | | 83.4 | | |
| KLAC | KLA CORP | 461.08 | 1.5 | | 63.1 | | |
| AMAT | APPLIED MATERIALS INC | 139.28 | 1.5 | | 116.5 | | |
| NVDA | NVIDIA CORP | 446.88 | 1.5 | 7.5 % | 1,103.8 | | |
| Semicol | nductors Total | | 9.0 % | 7.5 % | | | |
| Health Car | | | | | | | |
| Pharmaceu | | | | | | | |
| MRK | MERCK & CO | \$103.60 | 2.0 % | | \$263.1 | | |
| INI | JOHNSON & JOHNSON | 157.14 | 2.0 % | | 408.3 | | |
| | LILLY (ELI) & CO | 541.48 | 1.5 | | 514.0 | | |
| | ceuticals Total | 541.48 | 5.5 % | 5.5 % | 514.0 | | |
| Fildiiid | ceuticais fotai | | 3.3 % | 3.3 % | | | |
| Biotechnol | oav | | | | | | |
| VRTX | | \$355.14 | 2.5 % | | \$91.7 | | |
| | nology Total | \$555.14 | 2.5 % | 2.1 % | | | |
| Dioteen | nology lotal | | 2.5 % | 2.1 /0 | | | |
| Health Car | e Equipment and Services | | | | | | |
| CAH | CARDINAL HEALTH INC | \$89.82 | 2.0 % | | \$22.5 | | |
| ISRG | INTUITIVE SURGICAL INC | 290.09 | 1.0 | | 101.9 | | |
| Health | Care Equipment and Services Total | | 3.0 % | 5.7 % | | | |
| | | | | | | | |
| Consumer | Staples | | | | | | |
| MO | ALTRIA GROUP INC | \$41.99 | 2.0 % | | \$74.6 | | |
| PG | PROCTER & GAMBLE CO | 143.80 | 2.0 | | 339.7 | | |
| Consun | ner Staples Total | | 4.0 % | 4.8 % | | | |
| | | | | | | | |
| Financials: | | | | | | | |
| | sumer Finance and Other | | | | | | |
| JPM | JPMORGAN CHASE & CO | \$142.90 | 5.0 % | | \$415.3 | | |
| WFC | WELLS FARGO & CO | 39.30 | 2.0 | | 144.1 | | |
| Banks, | Consumer Finance and Other Total | | 7.0 % | 5.1 % | | | |
| | • . | | | | | | |
| Capital Ma | | £ 400 3 3 | 1 5 0/ | | 620.4 | | |
| MSCI | | \$498.13 | 1.5 % | 2.3 % | \$39.4 | | |
| Capitai | Markets Total | | 1.5 % | 2.3 % | | | |
| Real Estate | | | | | | | |
| EOIX | EOUINIX INC | \$720.99 | 1.5 % | | \$67.5 | | |
| | ate Total | \$720.99 | 1.5 % | 2.3 % | 307.5 | | |
| Kear LS | ate lotal | | 1.5 /0 | 2.3 /0 | | | |
| Energy: | | | | | | | |
| | s, Oil Service, Refiners and Othe | r | | | | | |
| XOM | EXXON MOBIL CORP | \$108.99 | 3.0 % | | \$436.3 | | |
| VLO | VALERO ENERGY CORP | 127.48 | 1.0 | | 45.0 | | |
| | eds, Oil Service, Refiners and Other | | 4.0 % | 3.3 % | 15.0 | | |
| integra | icus, on service, kenners and other | lotai | | 5.5 % | | | |
| Exploratio | n and Production | | | | | | |
| EOG | EOG RESOURCES INC | \$118.46 | 2.0 % | | \$69.0 | | |
| COP | CONOCOPHILLIPS | 113.42 | 1.0 | | 135.8 | | |
| | tion and Production Total | | 3.0 % | 1.1 % | | | |
| | | | | | | | |
| Utilities | | | | | | | |
| ED | CONSOLIDATED EDISON INC | \$84.76 | 2.0 % | | \$29.2 | | |
| Utilities | | | 2.0 % | 2.3 % | _ | | |
| | | | | | | | |

Source: Empirical Research Partners Analysis.