

MONTHLY MARKET PERSPECTIVES

December 2022

U.S. ECONOMY

- The second estimate of third-quarter GDP was revised upward to 2.9% from 2.6%, reflecting revisions to consumer spending and business investment.
- The unemployment rate rose 0.2% in October to 3.7%.
- Consumer sentiment fell to 56.8 in November from 59.9 in October.
- Inflation, as measured by the consumer price index, rose 0.4% in October (7.7% year over year), coming in below economists' expectations.

U.S. EQUITY MARKETS

- Equity markets fell more than 3% through November 9 as the Federal Reserve (Fed) raised rates by 75 basis points (bps), and Chair Jerome Powell said that "it is premature to talk about pausing." The October CPI report on November 10 sparked a rally, reviving hopes inflation may cool in subsequent months, allowing the Fed to slow and eventually pause rate hikes. On November 30, Chair Powell said the Fed may moderate the pace of increases as soon as the December meeting. The anticipated "red wave" in the midterm elections did not materialize, but Congress will be divided nonetheless, and investors have a better sense on what to expect from D.C. over the next two years. 94% of the S&P 500 has reported third-quarter (Q3) earnings, with 69% reporting a positive earnings per share surprise. The estimated Q3 earnings growth rate for the S&P 500 is 2.2%, below the 2.6% estimate on September 30.
- The Russell 1000 Value Index outperformed the Russell 1000 Growth Index (6.25% versus 4.56%) in November. Large cap stocks, as represented by the Russell 1000 Index, outperformed small cap stocks, as represented by the Russell 2000 Index (5.41% versus 2.34%).

INTERNATIONAL ECONOMY AND MARKETS

- The MSCI EAFE Index, representing non-U.S. developed markets, rose 11.26%. European markets rose on hopes the ECB may soon slow rate hikes. Leaders of the [Group of 20 met](#), discussing rising geopolitical tensions.

- Emerging markets, represented by the MSCI Emerging Markets Index, rose 14.83% as the dollar weakened, there was some relief in U.S.-China tensions, and Chinese officials sent some signals that the country's strict zero-COVID approach may soon be loosened.

FIXED INCOME

- The yield on the 10-year U.S. Treasury ended the month at 3.61% versus 4.05% in October. The 2-10 spread (the difference between the 10-year Treasury yield and 2-year Treasury yield) remains inverted at -70 bps. The 2-year Treasury yield declined 17 bps to 4.31%.
- Fed minutes showed a "substantial majority" of policymakers agreed it would "likely soon be appropriate" to deliver smaller rate hikes in the coming months. Chair Powell noted it may soon be appropriate to moderate the pace of rate increases, possibly as soon as the December meeting. Traders of fed funds futures were pricing in a 77% probability of a 50-bps hike for the December 13 monetary policy meeting. Mortgage rates rose to their highest levels since 2006, with the average 30-year fixed rate mortgage surpassing 7.3%.
- Investment-grade corporate spreads and high-yield corporate spreads slightly tightened during the month. The Bloomberg U.S. Aggregate Index rose 3.68%. The Bloomberg U.S. Corporate High Yield Index rose 2.17%.

CURRENCY/COMMODITIES/REAL ESTATE

- West Texas Intermediate (WTI) fell 6.9% to \$80.55/barrel in November but remains up 7.1% year to date.
- Gold prices rose in November, closing at \$1,768.52/oz., up 8.3% from \$1,633.56/oz. in October.
- The U.S. dollar fell in November against a basket of currencies, closing the month at 105.95 versus 111.53 in October.
- Domestic real estate finished the month higher, as the Wilshire U.S. Real Estate Securities Index rose 5.83% in November.

North American Equity	MTD (%)	QTD (%)	YTD (%)	1 Year (%)	3 Year* (%)	5 Year* (%)
Russell 3000 Index	5.22	13.85	-14.18	-10.80	10.28	10.33
Standard & Poor's 500	5.59	14.14	-13.10	-9.21	10.91	10.98
Standard & Poor's/TSX (CAD)	5.54	11.42	-1.00	2.04	9.52	8.18
U.S. Equity by Size/Style						
Russell 1000 Index	5.41	13.86	-14.13	-10.66	10.56	10.69
Russell 1000 Growth Index	4.56	10.67	-23.26	-21.64	11.79	12.92
Russell 1000 Value Index	6.25	17.14	-3.65	2.42	8.40	7.86
Russell 2000 Small Cap Index	2.34	13.60	-14.91	-13.01	6.44	5.45
Russell 2000 Small Cap Growth Index	1.63	11.27	-21.31	-20.96	3.68	4.91
Russell 2000 Small Cap Value Index	3.06	16.03	-8.48	-4.75	8.33	5.35
Russell Microcap Index	-0.09	9.39	-18.48	-18.07	7.55	4.50
International Equity (USD)						
MSCI AC World ex U.S.	11.80	15.15	-15.37	-11.87	1.75	1.48
MSCI EAFE	11.26	17.25	-14.52	-10.14	1.92	1.85
MSCI Europe	11.35	19.33	-15.07	-9.46	2.65	2.17
MSCI Pacific	14.66	15.22	-6.35	-3.26	2.30	2.84
MSCI Japan	9.68	12.93	-16.87	-15.29	-0.40	0.31
MSCI Emerging Markets	14.83	11.27	-18.95	-17.43	0.14	-0.42
U.S. Fixed Income						
Bloomberg U.S. Treasury Bills: 1-3 Months	0.31	0.53	1.16	1.17	0.63	1.17
Bloomberg U.S. Aggregate	3.68	2.33	-12.62	-12.84	-2.59	0.21
Bloomberg Gov't/Credit	3.57	2.28	-13.16	-13.45	-2.48	0.41
Bloomberg Treasury	2.68	1.25	-12.01	-12.46	-2.63	0.07
Bloomberg U.S. TIPS	1.83	3.09	-10.94	-10.66	1.68	2.50
Bloomberg Municipal Bond Index	4.68	3.81	-8.79	-8.64	-0.77	1.40
Bloomberg U.S. Credit	4.97	3.88	-14.89	-14.96	-2.63	0.67
Bloomberg Corporate High Yield	2.17	4.83	-10.63	-8.96	0.92	2.50
Real Estate/Commodities/Alternatives						
Wilshire U.S. Real Estate Securities Index	5.83	10.28	-22.40	-15.52	1.22	4.53
Wilshire Global ex U.S. Real Estate Securities Index	10.03	11.61	-20.44	-17.71	-6.77	-1.58
Wilshire Global Real Estate Securities	6.93	10.69	-21.85	-16.08	-1.23	2.64
Bloomberg Commodity Index	2.74	4.78	19.01	23.20	15.46	7.60
S&P GSCI Commodity (S&P GSCI)	-1.71	4.89	27.75	37.45	13.53	7.68
Wilshire Liquid Alternatives Index	1.74	3.05	-4.43	-3.71	1.30	1.16

Wilshire Liquid Alternative Equity Hedge Index	3.35	7.37	-4.23	-2.31	3.80	2.45
Wilshire Liquid Alternative Event Driven Index	0.05	1.15	-2.63	-2.60	1.55	2.19
Wilshire Liquid Alternative Global Macro Index	-2.77	-2.35	10.60	10.96	5.93	3.28
Wilshire Liquid Alternative Multi-strategy Index	1.88	4.04	-4.92	-4.11	0.66	0.64
Wilshire Liquid Alternative Relative Value Index	2.08	1.60	-7.67	-7.52	-0.94	0.07
Wilshire Focused Liquid Alternative Index	0.90	2.03	-2.93	-2.48	1.75	1.71

Source: Stifel Investment Strategy via Bloomberg as of November 30, 2022

*Represents annualized returns

DISCLOSURES

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Led by Stifel Chief Investment Officer Michael O'Keeffe, the Stifel CIO Office is comprised of several investment professionals. The team works collaboratively with other Stifel professionals to develop macroeconomic analysis, market analysis, strategic and dynamic asset allocation guidance, applied behavioral finance, and specific investment solutions for advisors and clients.

Asset Class Risks

Bonds – Bonds are subject to market, interest rate, and credit risk. Prices on bonds and other interest rate-sensitive securities will decline as interest rates rise. Municipal bonds may be subject to state and alternative minimum taxes, and capital gains taxes may apply. High yield bonds have greater credit risk than higher quality bonds. Yields and market values will fluctuate, and if sold prior to maturity, bonds may be worth more or less than the original investment.

Equities – Portfolios that emphasize stocks may involve price fluctuations as stock market conditions change. Small and mid capitalization stocks are typically more volatile and carry additional risks, since smaller companies generally are not as well established as larger companies.

International/Global/Emerging Markets – There are special considerations associated with international investing, including the risk of currency fluctuations and political and economic events. Investing in emerging markets may involve greater risk and volatility than investing in more developed countries.

Alternative Investments – Alternative investments involve a high degree of risk, often engage in leveraging and other speculative investment practices that may increase the risk of investment loss, can be highly illiquid, are not required to provide periodic pricing or valuation information to investors, may involve complex tax structures and delays in distributing tax information, are not subject to the same regulatory requirements as more traditional investments, and often charge high fees, which may erode performance. An investment is appropriate only for investors who have the capacity to absorb a loss of some or all of their investment. Alternative investments may include, but are not limited to: Real Estate Investment Trusts (REITs), Commodities, Futures, and Hedge Funds. **Real Estate** – When investing in real estate companies, property values can fall due to environmental, economic, or other reasons, and changes in interest rates can negatively impact the performance. **Commodities and Futures** – The risk of loss in trading commodities and futures can be substantial. You should therefore carefully consider whether such trading is suitable for you in light of your financial condition. The high degree of leverage that is often obtainable in commodity trading can work against you as well as for you. The use of leverage can lead to large losses as well as gains. **Hedge Funds** – Investors should be aware that hedge funds often engage in leverage, short-selling, arbitrage, hedging, derivatives, and other speculative investment practices that may increase investment loss. Hedge funds can be highly illiquid, are not required to provide periodic pricing or valuation information to investors, and often charge high fees that can erode performance. Additionally, they may involve complex tax structures and delays in distributing tax information. While hedge funds may appear similar to mutual funds, they are not necessarily subject to the same regulatory requirements as mutual funds.

Index Descriptions

The Russell 3000 Index measures the performance of the 3,000 largest U.S. companies based on total market capitalization, which represents approximately 98% of the investable U.S. equity market. The average market capitalization is approximately \$4 billion, and the median market capitalization is approximately \$700 million.

The Standard & Poor's 500 Index is a capitalization-weighted index that is generally considered representative of the U.S. large capitalization market.

The Standard & Poor's/TSX Composite Index is the benchmark Canadian index, representing roughly 70% of the total market capitalization on the Toronto Stock Exchange with about 250 companies included in it.

The NASDAQ Composite Index is a capitalization-weighted index that is comprised of all stocks listed on the National Association of Securities Dealers Automated Quotation System stock market, which includes both domestic and foreign companies.

The Russell 1000 Index measures the performance of the 1,000 largest companies in the Russell 3000 Index, which measures the performance of the 3,000 largest U.S. companies based on total market capitalization. The average market capitalization is approximately \$11 billion, and the median market capitalization is approximately \$3.5 billion.

The Russell 1000 Growth Index measures the performance of those Russell 1000 index companies with higher price-to-book ratios and higher forecasted growth values.

The Russell 1000 Value Index measures the performance of those Russell 1000 index companies with lower price-to-book ratios and lower forecasted growth values.

The Russell 2000 Index measures the performance of the 2,000 smallest companies in the broader Russell 3000 Index, which measures the performance of the 3,000 largest U.S. companies based on total market capitalization. The average market capitalization is approximately \$490 million, and the median market capitalization is approximately \$395 million.

The Russell 2000 Growth Index measures the performance of those Russell 2000 index companies with higher price-to-book ratios and higher forecasted growth values.

The Russell 2000 Value Index measures the performance of those Russell 2000 index companies with lower price-to-book ratios and lower forecasted growth values.

The Russell Microcap Index is a capitalization-weighted index of 2,000 small cap and micro cap stocks, including the smallest 1,000 companies in the Russell 2000 plus 1,000 smaller U.S. based listed stocks. Over-the-counter stocks and pink sheet securities are excluded.

The MSCI World ex USA All Cap Index captures large, mid, small, and micro cap representation across 22 of 23 Developed Markets (D.M.) countries (excluding the United States). With 8,138 constituents, the index covers approximately 99% of the free float-adjusted market capitalization in each country.

The MSCI EAFE Index (Europe, Australasia, and the Far East) is a free float-adjusted market capitalization index that is designed to measure the equity market performance of developed markets, excluding the U.S. and Canada.

The MSCI Europe Index is a free float-adjusted market capitalization-weighted index that is designed to measure the equity market performance of the developed markets in Europe.

The MSCI Pacific Index captures large and mid cap representation across five Developed Markets (D.M.) countries in the Pacific region. With 470 constituents, the index covers approximately 85% of the free float-adjusted market capitalization in each country.

The MSCI Japan Index is designed to measure the performance of the large and mid cap segments of the Japanese market. With 322 constituents, the index covers approximately 85% of the free float-adjusted market capitalization in Japan.

The MSCI EM (Emerging Markets) Europe, Middle East and Africa Index is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of the emerging market countries of Europe, the Middle East, and Africa.

The Bloomberg U.S. Aggregate Bond Index is a broad-based flagship benchmark that measures the investment-grade, U.S. dollar-denominated, fixed-rate taxable bond market. The index includes Treasuries, government-related, and corporate securities, MBS (agency fixed-rate and hybrid ARM pass-throughs), ABS, and CMBS (agency and nonagency). Provided the necessary inclusion rules are met, U.S. Aggregate-eligible securities also contribute to the multicurrency Global Aggregate Index and the U.S. Universal Index, which includes high yield and emerging markets debt.

The Bloomberg U.S. Government/Credit Bond Index is a broad-based flagship benchmark that measures the non-securitized component of the U.S. Aggregate Index. It includes investment-grade, U.S. dollar-denominated, fixed-rate Treasuries, government-related, and corporate securities.

The Bloomberg U.S. Treasury Index measures U.S. dollar-denominated, fixed-rate, nominal debt issued by the U.S. Treasury. Treasury bills are excluded by the maturity constraint, but are part of a separate Short Treasury Index. STRIPS are excluded from the index because their inclusion would result in double-counting. The U.S. Treasury Index is a component of the U.S. Aggregate, U.S. Universal, Global Aggregate, and Global Treasury Indices.

The Bloomberg U.S. Treasury U.S. TIPS index includes all publicly issued, U.S. Treasury inflation-protected securities that have at least one year remaining to maturity, are rated investment grade, and have \$250 million or more of outstanding face value.

The Bloomberg U.S. Municipal Index covers the U.S. dollar-denominated, long-term, tax-exempt bond market. The index has four main sectors: state and local general obligation bonds, revenue bonds, insured bonds, and prerefunded bonds.

The Bloomberg U.S. Credit Index measures the investment-grade, U.S. dollar-denominated, fixed-rate, taxable corporate and government-related bond markets. It is composed of the U.S. Corporate Index and a non-corporate component that includes foreign agencies, sovereigns, supranationals, and local authorities.

The Bloomberg U.S. Corporate High Yield Bond Index measures the U.S. dollar-denominated, high yield, fixed-rate corporate bond market. Securities are classified as high yield if the middle rating of Moody's, Fitch, and S&P is Ba1/BB+/BB+ or below. Bonds from issuers with an emerging markets country of risk, based on Barclays EM country definition, are excluded.

The Bloomberg Global Aggregate Bond Index is a flagship measure of global investment-grade debt from twenty-four local currency markets. This multi-currency benchmark includes treasury, government-related, corporate, and securitized fixed-rate bonds from both developed and emerging markets issuers.

The Bloomberg Emerging Markets Hard Currency Aggregate Index is a flagship hard currency Emerging Markets debt benchmark that includes U.S. dollar-denominated debt from sovereign, quasi-sovereign, and corporate E.M. issuers.

The Wilshire U.S. REIT Index is a float-adjusted market capitalization-weighted index that measures U.S. publicly traded real estate investment trusts (REITs), excluding mortgage REITs, net-lease REITs, real estate finance companies, home builders, large landowners and sub-dividers, hybrid REITs, and companies that have more than 25% of their assets in direct mortgage investments.

The Wilshire ex U.S. Real Estate Investment Trust IndexSM (Wilshire ex U.S. REIT) measures global publicly traded real estate investment trusts, less all U.S. securities. The Wilshire ex U.S. REIT is a subset of the Wilshire ex U.S. Real Estate Securities IndexSM (Wilshire ex U.S. RESI).

The Wilshire Global REIT Index is a float-adjusted, market capitalization-weighted index that measures global publicly traded real estate investment trusts (REITs), excluding mortgage REITs, net-lease REITs, real estate finance companies, home builders, large landowners and sub-dividers, hybrid REITs, and companies that have more than 25% of their assets in direct mortgage investments.

Bloomberg Commodity Index (BCOM) is calculated on an excess return basis and reflects commodity futures price movements. The index rebalances annually weighted two-thirds by trading volume and one-third by world production, and weight-caps are applied at the commodity, sector, and group level for diversification. Roll period typically occurs from the sixth to the tenth business day based on the roll schedule.

The S&P GSCI Crude Oil Index is a sub-index of the S&P GSCI Commodity Index. The production-weighted index reflects the returns that are potentially available through an unleveraged investment in the West Texas Intermediate (WTI) crude oil futures contract.

The Wilshire Liquid Alternative IndexSM measures the collective performance of the five Wilshire Liquid Alternative strategies that make up the Wilshire Liquid Alternative Universe. The Wilshire Liquid Alternative Index (WLIQA) is designed to provide a broad measure of the liquid alternative market by combining the performance of the Wilshire Liquid Alternative Equity Hedge IndexSM (WLIQAEH), Wilshire Liquid Alternative Global Macro IndexSM (WLIQAGM), Wilshire Liquid Alternative Relative Value IndexSM (WLIQARV), Wilshire Liquid Alternative Multi-Strategy IndexSM (WLIQAMS), and Wilshire Liquid Alternative Event Driven IndexSM (WLIQAED).

The Wilshire U.S. Real Estate Securities IndexSM (Wilshire US RESI) measures U.S. publicly-traded real estate securities. Designed to offer a market-based index that is more reflective of real estate held by pension funds, the Wilshire US RESI is comprised of publicly-traded real estate equity securities and unencumbered by limitations of other appraisal-based indexes. It can serve as a proxy for direct real estate investing by excluding securities whose value is not always tied to the value of the underlying real estate. Exclusions include: mortgage REITs, net-lease REITs, real estate finance companies, mortgage brokers and bankers, commercial and residential real estate brokers, home builders, large landowners and sub-dividers of unimproved land, hybrid REITs and timber REITs. The rationale for the exclusions is that factors other than real estate supply and demand, such as interest rates, can influence the market value of these companies.

Indices are unmanaged, do not reflect fees or expenses, and you cannot invest directly in an index.

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