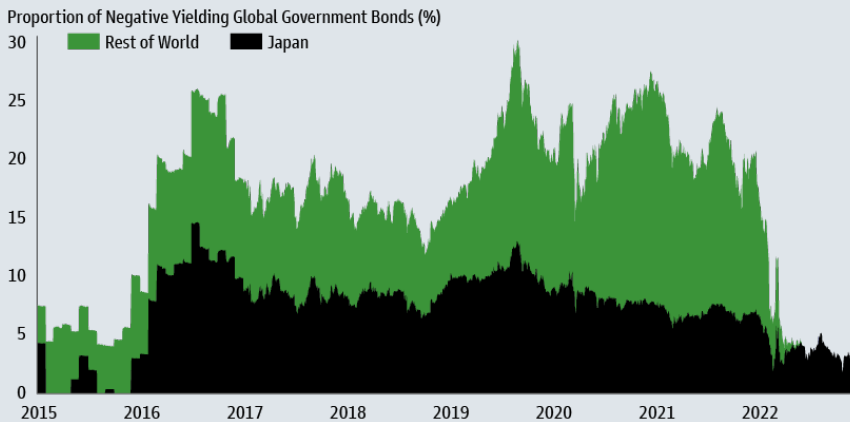


MARKET MONITOR

Chart of the Week: Finally, Positive News



FIXED INCOME

Western major central banks have embarked on one of the fastest monetary policy tightening cycles in recent history. As a result, the rise in long-term interest rates has been both broad and steep. A year ago, around one quarter of all global government debt had a negative nominal yield. Today, fixed income investors can receive positive income from sovereign bonds almost everywhere, with the sole exception of Japan.

Source: Bloomberg, GIR, Goldman Sachs Asset Management.

MARKET SUMMARY

GLOBAL EQUITIES: US equities moved higher last week after the November FOMC minutes signaled the intention to slow the pace of hiking. The S&P 500 ended the week up 1.56%, driven mostly by defensive sectors such as Healthcare & Utilities. Meanwhile, European equities extended their positive streak as November's flash PMI report indicated that economic contraction eased in the Euro area. The STOXX 600 and FTSE 100 ended up 1.76% and 1.49%, respectively.

COMMODITIES: Oil prices fell further last week as reports suggested that the G7 was considering a price cap on Russian oil of \$65-70/bbl, substantially higher than the \$40-60/bbl range previously discussed, reducing retaliation risk. Brent and WTI fell to \$83.63 and \$76.28 per barrel, respectively. Gold prices ended the week flat at \$1,768.80 per troy ounce as the tailwinds of lower interest rates were offset by the pressures of reduced equity market volatility.

FIXED INCOME: Global sovereign yields moved lower last week with yield curves in both the US and Europe further inverting on the back of rising recession risk. In the US, the 2-Year and 10-Year US Treasury yields closed the week at 4.48% and 3.70%, respectively. In Europe, the 10-Year Bund yield fell to 1.97% despite a better-than-expected consumer confidence report.

FX: The US dollar weakened against a basket of currencies, ending the week lower amid expectations that the Fed may soon slow hikes. The continued optimism in markets evidenced by the recent rise in risk asset prices continued to weigh on the greenback, with the US dollar index ultimately closing -0.67% lower. Meanwhile, the euro and pound sterling advanced further against the US dollar, closing at \$1.0406 and \$1.2095, respectively.

ECONOMIC SUMMARY

MONETARY POLICY: The November FOMC minutes released last Wednesday indicated that although inflation remains uncomfortably high, a slower pace of hiking would likely soon be appropriate. In our view, given the significant lagged effects of policy tightening on the economy, a slower pace of hiking would allow Fed officials to better assess the progress toward their dual objectives – price stability and maximum employment. Following the State Council meeting early last week in China, the PBoC announced a 25 bps RRR cut for most financial institutions. This decision aims to maintain liquidity at reasonable levels while keeping broad credit growth largely in line with nominal GDP growth.

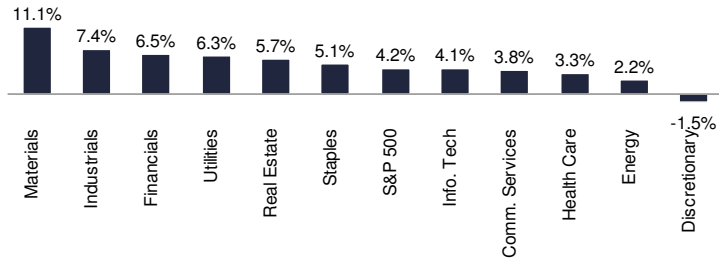
ACTIVITY: The US flash composite PMI came out at 46.3 in November, lower than consensus expectations of 47.7. The report indicated that demand weakness weighed further on private sector business activity. On the other hand, composite PMIs both in the Euro area and UK improved in November, coming at 47.8 and 48.3, respectively. In the Euro area specifically, the intensity of the downturn moderated in response to easing supply constraints and a pick-up in business confidence. Additionally, price pressures started to show some signs of cooling, most notably in the manufacturing sector.

LABOR: Initial Jobless Claims increased by 17k to 240k for the week ending November 18th, versus consensus expectations for a more modest increase. This sharp increase came amid rising layoffs in the technology sector. In our view, sustained and convincing evidence of a material shift in labor market conditions will be necessary for the Fed to recalibrate.

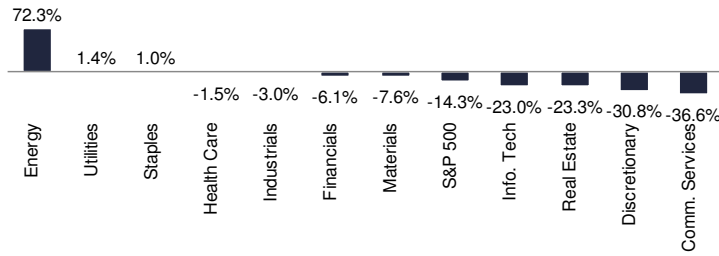
MARKET WATCH

S&P 500 INDEX SECTOR RETURNS

MONTH-TO-DATE, AS OF 11/25/22

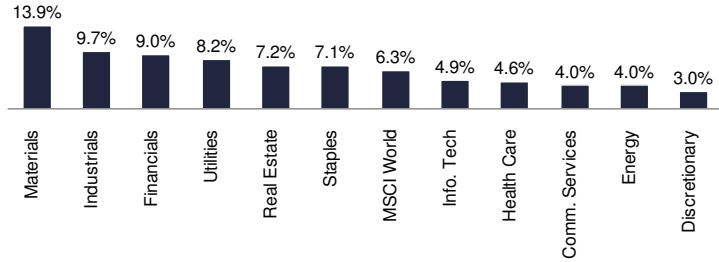


YEAR-TO-DATE, AS OF 11/25/22

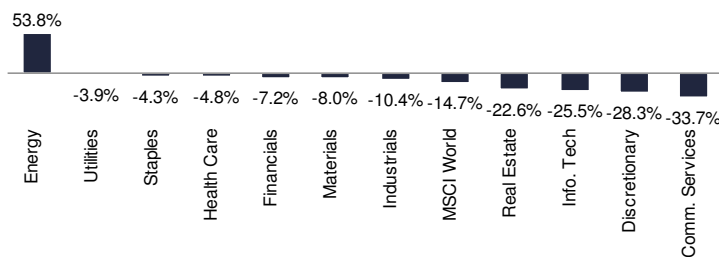


MSCI WORLD INDEX SECTOR RETURNS

MONTH-TO-DATE, AS OF 11/25/22



YEAR-TO-DATE, AS OF 11/25/22



ECONOMIC WATCH

Monday, November 28	Tuesday, November 29	Wednesday, November 30	Thursday, December 1	Friday, December 2	Critical Future Events
		Euro Area CPI YoY (Cons: 11.2%, Prior: 10.6%) US JOLTS (Cons: 10.350M, Prior: 10.717M)	US Initial Jobless Claims (Cons: 233k, Prior: 240k) Euro area Unemployment (Cons: 6.6%, Prior: 6.6%) US Core PCE Price Index (Cons: 5.0%, Prior: 5.1%)	Nonfarm Payrolls (Cons: 200K, Prior: 261K)	FOMC Interest Rate Decision – Dec 14 ECB Meeting – Dec 15 BoE Meeting – Dec 15

Source: Bloomberg and Goldman Sachs Asset Management. For style performance, Large, Mid, and Small for US Equity refer to the Russell 1000, Russell Midcap, and Russell 2000 indices, respectively. Value refers to companies with lower price-to-book ratios and lower expected growth values, and Growth refers to higher price-to-book ratios and higher forecasted growth values. For US Fixed Income, Government, Corporate, and High Yield refer to the Bloomberg Treasury, Bloomberg Corporate Credit, and Bloomberg High Yield indices, respectively. Short, Intermediate, and Long refer to the Short, Intermediate, and Long segments of their respective curves. For European Fixed Income, Government, Corporate, and High Yield refer to the Bloomberg Euro Treasury Index, the Bloomberg Euro Corporate Index, and the Bloomberg Euro High Yield Index, respectively. Quality returns refers to the credit quality of asset classes ranging from Government, highest quality, to High Yield, lowest quality. Since August 24, 2021, the Barclays indices are branded "Bloomberg indices". Please see end disclosures for footnotes. **Past performance does not guarantee future results, which may vary.**

Style Performance

US EQUITY SIZE & STYLE RETURNS

Month-to-Date (as of 11/25/22)			Year-to-Date			
Value	Core	Growth		Value	Core	Growth
5.30%	3.97%	2.62%	Large	-4.52%	-15.31%	-24.69%
5.36%	4.85%	3.91%	Medium	-8.16%	-13.55%	-23.18%
2.14%	1.34%	0.56%	Small	-9.29%	-15.74%	-22.14%

MSCI WORLD SIZE & STYLE RETURNS

Month-to-Date (as of 11/25/22)			Year-to-Date			
Value	Core	Growth		Value	Core	Growth
6.93%	6.06%	5.14%	Large	-2.95%	-14.75%	-25.66%
6.89%	7.34%	7.88%	Medium	-11.35%	-16.76%	-23.85%
6.84%	6.22%	5.58%	Small	-8.64%	-15.82%	-23.05%

US FIXED INCOME MATURITY AND QUALITY RETURNS

Month-to-Date (as of 11/25/22)			Year-to-Date			
Short	Intermed.	Long		Short	Intermed.	Long
0.76%	1.31%	7.16%	Government	-5.84%	-7.92%	-27.98%
1.80%	2.91%	9.53%	Corporate	-6.06%	-9.61%	-24.44%
1.66%	2.08%	4.12%	High Yield	-5.83%	-9.97%	-22.22%

EUROPEAN FIXED INCOME MATURITY AND QUALITY RETURNS

Month-to-Date (as of 11/25/22)			Year-to-Date			
Short	Intermed.	Long		Short	Intermed.	Long
0.04%	0.93%	5.83%	Government	-4.07%	-11.69%	-25.36%
0.78%	3.00%	7.52%	Corporate	-4.55%	-14.37%	-23.86%
3.69%			High Yield	-9.95%		

WEEKLY MARKET RECAP

INDEX RETURNS				
	1 WEEK	MTD	QTD	YTD
EQUITIES				
S&P 500	1.56%	4.15%	12.59%	-14.29%
DJ Industrial Average	1.80%	5.16%	19.95%	-3.70%
Russell 2000	1.07%	1.34%	12.50%	-15.74%
Russell Midcap	1.95%	4.85%	14.15%	-13.55%
STOXX Europe 50 (€)	1.04%	9.67%	19.65%	-4.83%
STOXX Europe 600 (€)†	1.76%	7.06%	13.86%	-7.38%
MSCI EAFE Small Cap	2.43%	11.89%	16.63%	-20.48%
FTSE 100 (£)	1.49%	5.90%	9.07%	5.07%
DAX (€)	0.76%	9.72%	20.03%	-8.46%
FTSE MIB (€)	0.86%	9.87%	20.53%	-5.47%
CAC 40 (€)†	1.05%	7.17%	16.55%	-4.04%
SWISS MKT (CHF)	1.11%	3.14%	8.77%	-10.78%
TOPIX (¥)	2.59%	4.59%	9.92%	3.84%
Hang Seng (HKD)	-2.27%	19.81%	2.18%	-22.32%
MSCI World	1.71%	6.30%	13.96%	-14.68%
MSCI China Free†	-2.67%	18.22%	1.22%	-22.55%
MSCI EAFE	2.16%	12.36%	18.41%	-13.27%
MSCI EM	-0.09%	11.14%	7.70%	-21.26%
MSCI Brazil (BRL)	0.05%	-5.94%	-0.88%	7.61%
MSCI India (INR)	1.03%	1.74%	6.22%	5.38%
MSCI Russia (RUB)	0.00%	0.00%	0.00%	-100.00%
FIXED INCOME				
Bloomberg Aggregate	1.05%	3.48%	2.14%	-12.78%
Bloomberg Euro Aggregate	0.90%	7.58%	8.66%	-21.52%
Bloomberg US High Yield	1.05%	2.15%	4.81%	-10.65%
Bloomberg Euro High Yield (€)	1.21%	3.69%	5.51%	-9.95%
Bloomberg Muni Aggregate	0.38%	4.06%	3.20%	-9.32%
Bloomberg TIPS	1.45%	1.24%	2.52%	-12.26%
JPM EMBI Gbl. Divers.	1.56%	6.74%	6.91%	-18.70%
JPM GBI-EM Gbl. Divers.	1.08%	6.40%	5.46%	-14.12%
OTHER				
DJ US Real Estate	1.94%	5.07%	8.38%	-22.34%
FTSE EPRA/NAREIT Dvlpd. Ex-US	1.34%	10.14%	10.51%	-23.77%
S&P GSCI	-2.17%	-4.33%	2.09%	24.34%
Alerian MLP **	-0.02%	-0.68%	13.54%	34.99%
US Dollar Index	-0.67%	-4.92%	-5.54%	10.90%
VIX	-11.33%	-20.79%	-35.17%	19.05%

COMMODITIES				
	11/25/22	10/31/22	09/30/22	12/31/21
WTI Oil (\$/barrel)	\$76.28	\$86.53	\$79.49	\$75.21
Brent Oil (\$/barrel)	\$83.63	\$94.83	\$87.96	\$77.78
Gold (\$/oz)	\$1768.80	\$1654.90	\$1684.90	\$1831.00
Natural Gas (\$/mmBtu)	\$7.02	\$6.36	\$6.77	\$3.73

CURRENCIES				
	11/25/22	10/31/22	09/30/22	12/31/21
Euro (\$/€)	1.0406	0.9888	0.9807	1.1386
Pound (\$/£)	1.2095	1.1471	1.1172	1.3535
Japanese Yen (¥/\$)	139.15	148.62	144.79	115.03
Swiss Franc (CHF/€)	0.9836	0.9901	0.9674	1.0378
Chinese Yuan Renminbi (CNY/\$)	7.1618	7.1975	7.1160	6.3797

RATES & SPREADS				
	11/25/22	10/31/22	09/30/22	12/31/21
RATES				
Fed Funds Target	4.00%	3.25%	3.25%	0.25%
Secured Overnight Financing Rate **	3.79%	3.05%	2.98%	0.05%
ECB Depo Rate	1.50%	0.75%	0.75%	-0.50%
3-Month US Dollar Libor	4.73%	4.46%	3.75%	0.21%
US Treasuries 2-Year	4.48%	4.50%	4.21%	0.73%
US Treasuries 10-Year	3.70%	4.07%	3.80%	1.50%
US Treasury 2-10 Slope	-0.78%	-0.42%	-0.41%	0.77%
German Bunds 2-Year	2.20%	1.94%	1.76%	-0.62%
German Bunds 10-Year	1.97%	2.14%	2.11%	-0.18%
Japanese Govt Bonds 10-Year	0.25%	0.25%	0.24%	0.07%
UK Gilts 10-Year	3.12%	3.52%	4.09%	0.97%
Swiss Govt Bonds 10-Year	1.07%	1.16%	1.23%	-0.14%
French OATs 10-Year	2.44%	2.68%	2.72%	0.20%
Italian BTPs 10-Year	3.85%	4.30%	4.52%	1.17%
Spanish Bonos 10-Year	2.96%	3.23%	3.29%	0.56%
SPREADS				
HY Corp. Spread (bps)	452	462	551	283
Bank Loan Spread (bps) **	635	655	668	439
IG Corp. Spread (bps)	129	158	158	92
EMD Spread (bps)	498	559	576	376

Global Equity Valuations

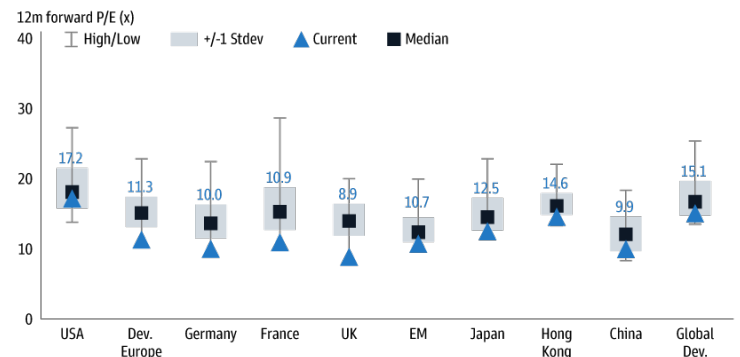


Chart Source: Goldman Sachs Asset Management and Bloomberg as of close of trading on October 31, 2022. Chart data shows next 12 month P/E ratio from November 2012 to the current period. 12m forward P/E(x) refers to price-to-earnings ratio for the next 12 months, which is a valuation measure applied to respective broad equity indices. Please see additional disclosures at the end of this presentation.

Weekly Market Recap Notes:

All data is denominated in USD unless noted otherwise.

† Data is released weekly, as of Monday.

If data displays an asterisk:

* Data is lagged by 1 day.

** Data is lagged by 2 days.

Source: Goldman Sachs Asset Management. **Past performance does not guarantee future results, which may vary. Please see end disclosures for footnotes.**

IMPORTANT INFORMATION

Page 1 Chart of the Week Notes:

Source: Bloomberg, Goldman Sachs Global Investment Research, and Goldman Sachs Asset Management. As of November 24, 2022. The chart shows the proportion of negative yielding global government bonds.

Page 1 Market Summary Notes:

“FOMC” to Federal Open Market Committee. “Healthcare” & “Utilities” refer to the GICS equity sectors. “PMI” refers to S&P Global Purchasing Managers’ Index. “G7” refers to an intergovernmental political forum consisting of Canada, France, Germany, Italy, Japan, the United Kingdom and the United States. “Brent” is a global benchmark for oil prices worldwide. “WTI” stands for West Texas Intermediate crude oil, a common US benchmark for oil prices. “Gold” refers to the spot price of gold, quoted in dollars per troy ounce. “FX” refers to foreign exchange.

Page 1 Economic Summary Notes:

“Fed” refers to the Federal Reserve. “PBoC” refers to the central bank of the People’s Republic of China. “RRR” refers to Reserve Requirement Ratio. “GDP” refers to Gross Domestic Product. “PMI” refers to S&P Global Purchasing Managers’ Index.

Page 2 Style Performance Notes:

For US Fixed Income, Government, Corporate, and High Yield refer to the Bloomberg US Treasury, the Bloomberg US Corporate Credit, and the Bloomberg US High Yield indices, respectively. For European Fixed Income, Government, Corporate, and High Yield refer to the Bloomberg Euro Treasury Index, the Bloomberg Euro Corporate Index, and the Bloomberg Euro High Yield Index, respectively. Short, Intermediate, and Long refer to the Short, Intermediate, and Long segments of their respective curves. Quality returns refers to the credit quality of asset classes ranging from Government, highest quality, to High Yield, lowest quality. Since August 24, 2016, the Barclays indices are co-branded “Bloomberg Barclays indices”.

Page 2 Economic Watch Notes:

“Euro Area CPI” refers to the Eurostat Eurozone Monetary Union Index of Consumer Prices (MUICP) All Items Year over Year (YoY) Flash Estimate. “US JOLTS” refers to the US Job Openings and Labor Turnover Survey. “US Initial Jobless Claims” refers to the measure of people who filed for unemployment insurance for the first time during the prior week. “US Core PCE Price Index” refers to US Personal Consumption Expenditures Price Index excluding food and energy, year-over-year. “FOMC” refers to Federal Open Market Committee. “ECB” refers to the European Central Bank. “BoE” refers to the Bank of England.

Page 3 Global Equity Valuations Chart Notes:

Earnings are forward looking Bloomberg estimates of operating earnings per share over the next four quarters, which may exclude one-time extraordinary gains and losses. Please see index disclosures for additional definitions on the indices.

USA is represented by the MSCI USA Index, Dev. Europe is represented by MSCI Europe Index, Germany is represented by MSCI Germany Index, France is represented by MSCI France Index, UK is represented by MSCI UK Index, EM is represented by MSCI EM Index, Japan is represented by MSCI Japan Index, Hong Kong is represented by MSCI Hong Kong Index, China is represented by MSCI China Index, Global Dev. is represented by MSCI World Index.

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Index Benchmarks

Equities

The **S&P 500 Index** is the Standard & Poor's 500 Composite Stock Prices Index of 500 stocks, an unmanaged index of common stock prices. The **Dow Jones Industrial Average Index** is a price-weighted average of 30 actively traded blue-chip stocks. The **Russell 1000 Index** is a market-cap weighted index that measures the performance of the 1,000 largest companies in the Russell 3000 Index. The **Russell Mid Cap Index** measures the performance of the 800 smallest companies in the Russell 1000 Index, which represent approximately 30% of the total market capitalization of the Russell 1000 Index. The **Russell 2000 Index** is an unmanaged index of common stock prices that measures the performance of the 2000 smallest companies in the Russell 3000 Index. The **MSCI EAFE Index** is a free-float weighted equity index, which covers developed markets countries in Europe, Australasia, Israel, and the Far East. The **MSCI Emerging Markets (EM) Index** is a free float-adjusted market capitalization index that captures large and mid-cap representation across five EM countries in Latin America. The **STOXX Europe 600 Index** is derived from the STOXX Europe Total Market Index (TMI) and is a subset of the STOXX Global 1800 Index. With a fixed number of 600 components, the STOXX Europe 600 Index represents large, mid and small capitalization companies across 18 countries of the European region. The **Japan TOPIX Index** is a capitalization-weighted index of the largest companies and corporations that are found in the First Section of the Tokyo Stock Exchange.

The **German DAX** is a capitalization-weighted blue chip stock market index consisting of the 30 major German companies trading on the Frankfurt Stock Exchange. The **Shanghai Composite** is a market capitalization weighted index of all A-shares and B-shares that trade on the Shanghai Stock Exchange. **Euro Stoxx 50 Index**, Europe's leading Blue-chip index for the Eurozone, provides a Blue-chip representation of supersector leaders in the Eurozone. The **Financial Times Stock Exchange (FTSE) 100 Index** is an index of the 100 companies listed on the London Stock Exchange with the highest market capitalization. **FTSE MIB Index** is composed of 40 Italian equities and seeks to replicate the broad sector weights of the Italian stock market. **CAC 40 Index** is composed of the 40 largest equities listed in France. **SWISS Market Index** is composed of the largest and most liquid stocks traded on the Geneva, Zurich, and Basel Stock Exchanges. **Hang Seng Composite Index** covers about 95% of the total market capitalization of companies listed on the Main Board of the Hong Kong Stock Exchange. The **MSCI World Index** is a broad global equity index that represents large and mid-cap equity performance across 23 developed markets countries. It covers approximately 85% of the free float-adjusted market capitalization in each country. **CSI 300 Index** covers 300 stocks traded in the Shanghai and Shenzhen stock exchanges. The **MSCI China Index** captures large and mid cap representation across China H shares, B shares, Red chips, P chips and foreign listings (e.g. ADRs). With 461 constituents, the index covers about 85% of this China equity universe. Currently, the index also includes Large Cap A shares represented at 5% of their free float adjusted market capitalization. **MSCI Brazil Index** covers about 85% of the total market capitalization of the Brazilian equity universe. **MSCI India Index** covers about 85% of the total market capitalization of the Indian equity universe. **MSCI Russia Index** covers about 85% of the free float-adjusted market capitalization in Russia. The **CBOE Volatility Index (VIX)** is a leading measure of market expectations of near-term volatility conveyed by S&P 500 Index option prices.

Fixed Income

The **Bloomberg US Aggregate Bond Index** represents an unmanaged diversified portfolio of fixed-income securities, including US Treasuries, investment-grade corporate bonds, and mortgage-backed and asset-backed securities. The **Bloomberg US High-Yield Index** covers the USD-denominated, non-investment grade, fixed-rate, taxable corporate bond market. The **Bloomberg US Aggregate Municipal Bond Index** is an unmanaged broad-based total return index composed of approximately 8,000 investment grade, fixed rate, and tax-exempt issues, with a remaining maturity of at least one year. The **Bloomberg US High Yield Municipal Bond Index** (formerly the Lehman Brothers High Yield Municipal Bond Index) is an unmanaged index made up of bonds that are noninvestment grade, unrated, or rated below Ba1 by Moody's Investors Service with a remaining maturity of at least one year. The **J.P. Morgan Emerging Markets Bond Index (EMBI Global Index)** is an unmanaged market capitalization Index that tracks total returns for USD-denominated debt instruments issued by emerging market sovereign and quasi-sovereign issuers. The **J.P. Morgan Government Bond Index-Emerging Markets Global Diversified (GBI-EM Global Index)** is a market capitalization Index that tracks the performance of local currency debt issued by emerging market governments. **Bloomberg Euro Aggregate Index** refers to the Bloomberg EuroAgg Index. The index measures the market of investment grade, euro-denominated, fixed-rate bond market, including treasuries, government-related, corporate and securitized issues. Inclusion is based on currency denomination of a bond and not country of risk of the issuer. **Bloomberg Euro High Yield Index** refers to the Bloomberg Euro High Yield 3% Issuer Capped Index. The index measures the of non-investment grade, fixed-rate corporate bonds denominated in USD. Inclusion is based on the currency of issue, and not the domicile of the issuer. The index excludes emerging market debt.

Other

The **S&P 500 Utilities Sector** comprises those companies included in the S&P 500 that are classified as members of the GICS® utilities sector. The **FTSE EPRA/NAREIT Developed ex US Index** is a subset of the FTSE EPRA/NAREIT Developed Index and is designed to track the performance of listed real estate companies and REITs.

The **S&P GSCI Commodity Index** is a composite index of commodity sector returns, representing an unleveraged, long-only investment in commodity futures that is broadly diversified across the spectrum of commodities. The **S&P 500 Consumer Staples Index** comprises those companies included in the S&P 500 that are classified as members of the GICS® consumer staples sector. The **USD Index** tracks the value of the USD relative to 6 major foreign currencies. The **Housing Starts** refers to US Housing Starts.

It is not possible to invest in an unmanaged index.

Commodities

WTI Oil refers to West Texas Intermediate (WTI) Crude Oil, a land-locked crude, delivered via pipeline into Cushing, Oklahoma. **Brent Oil** refers to Brent crude oil, a waterborne crude oil produced in the North Sea. **OPEC** refers to the Organization of the Petroleum Exporting Countries. The **Gold Spot** price is quoted as US Dollars per Troy Ounce.

Currencies

Euro (\$/€) refers to the Euro's exchange rate with the Dollar. **Pound (\$/£)** refers to the British Pound's exchange rate with the US Dollar. **Japanese Yen (¥/\$)** refers to the US Dollar's exchange rate with the Japanese Yen. **Swiss Franc (CHF/€)** refers to the Euro's exchange rate with the Swiss Franc. **Chinese Yuan Renminbi (CNY/\$)** refers to the US Dollar's exchange rate with the Chinese Yuan Renminbi.

Rates

The **federal funds rate** is the interest rate at which depository institutions lend balances at the Federal Reserve to other depository institutions overnight. The **LIBOR** is the USD-denominated London Interbank Offered Rate, and is the average of interest rates estimated by each of the leading banks in London that it would be charged were it to borrow from other banks. The **2-Year Treasury** is a US Treasury debt obligation that has a maturity of 2 years. The **10-Year Treasury** is a US Treasury debt obligation that has a maturity of 10 years. The **2-10 Treasury Slope** is the difference between the 10-Year Treasury and the 2-Year Treasury. The **Core-Periphery** spreads refers to the spread between sovereign debt yields of core European countries and peripheral European countries. The **German Bunds 2-Year** is a German debt obligation that has a maturity of 2 years. The **German Bunds 10-Year** is a German debt obligation that has a maturity of 10 years. The **Japanese Govt Bonds 2-Year** is a Japanese debt obligation that has a maturity of 2 years. The **Japanese Govt Bonds 10-Year** is a Japanese debt obligation that has a maturity of 10 years. The **UK Gilts 10-Year** is a UK debt obligation that has a maturity of 10 years. The **Swiss Govt Bonds 10-Year** is a Swiss debt obligation that has a maturity of 10 years. The **French OATs 10-Year** is a French debt obligation that has a maturity of 10 years. The **Italian BTPs 10-Year** is an Italian debt obligation that has a maturity of 10 years. The **Spanish Bonos 10-Year** is a Spanish debt obligation that has a maturity of 10 years.

Spreads

High Yield (HY) Corporate Spread is the Bloomberg US Corporate High Yield Average Option Adjusted Spread (OAS), which measures the spread between the US Treasury yield curve and the Bloomberg US Corporate High Yield curve. The **Bank Loan Spread** is the daily discount margin (3-year life) of the Credit Suisse Leveraged Loan Index, which is designed to mirror the investable universe of the USD-denominated leveraged loan market. The **Investment Grade (IG) Corporate Spread** is the Bloomberg US Aggregate Corporate Average OAS, which measures the spread between the US Treasury yield curve and the Bloomberg US Corporate Average curve. The **EMD Spread** is the J.P. Morgan EMBI Global Diversified Sovereign Spread, which measures the spread between the US Treasury yield curve and the J.P. Morgan EMBI Global Diversified Sovereign curve.

Although certain information has been obtained from sources believed to be reliable, we do not guarantee its accuracy, completeness or fairness. We have relied upon and assumed without independent verification, the accuracy and completeness of all information available from public sources.

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