

Weekly Review February 2, 2018

## **Chart of the Week**



#### **Weekly Highlights**

- Equities widely sold off, posting the worst weekly decline in two years. While the market entered the week with selling pressure on Monday and Tuesday, the sharpest decline in equity markets came on Friday with the Dow Jones Industrial Average losing 666 points, following a better-than-expected jobs report, and a continued move higher in interest rates. On the week, the Dow sold off by nearly 1,100 points with other indices posting declines of over 3-4%.
- Earnings were heavily in focus. On Thursday night, Apple (AAPL), Amazon (AMZN), and Alphabet (GOOG) all reported results for the recent quarter. Amazon and Apple exceeded expectations, while Alphabet came up short due to a \$10 billion tax hit under the new tax law. In the first quarter that Whole Foods sales were included, Amazon reported revenue of \$60.5 billion in Q4, a year-over-year jump of 38%.
- Nonfarm Payrolls up 200,000 in January. The Bureau of Labor Statistics reported an uptick in nonfarm payrolls, which was better than expected (180K estimate), and above the revised 160K from December. The unemployment rate remained at 4.1%, and hourly earnings rose by an annualized rate of 2.9%, which was in line with estimates.
- **President Trump delivers State of the Union Address.** In his first State of the Union address, President Trump urged Congress to pass a bill for \$1.5 trillion in new infrastructure spending.

## **Talking Points**

- Equities experienced selling pressure, posting their first weekly loss of 2018, and the largest since 2016. The selling was not limited to any cap or style, as both large and small cap, as well as value and growth each shed over 3-4% on the week. International equities faced similar selling pressure, with emerging markets equites fairing the worst.
- Treasury yields continued their surge higher, with the yield on the 10-Year Note reaching 2.85% and quickly approaching 3%, which are levels not seen since early 2014.
- **Commodity indices fell,** as gold and energy prices were lower.
- Last Federal Open Market Committee (FOMC) for Yellen. Janet Yellen held her last meeting as Fed Chair, with the FOMC keeping the federal funds rate unchanged at 1.25%-1.50%. Jerome Powell takes over the Fed Chair position.
- Among major economic data, initial jobless claims fell to 230,000, which was lower than expected. Personal Income and Spending data showed the savings rate in December hit its lowest level since 2005. ISM Manufacturing data, at 59.1, was better than expected.

# **Market Dashboard**

Last Price	Change	% Chg.	YTD %
2,762.13	-110.74	-3.85%	3.3%
25,520.96	-1,095.75	-4.12%	3.2%
7,240.95	-264.83	-3.53%	4.9%
1,547.27	-60.79	-3.78%	0.8%
388.07	-12.50	-3.12%	-0.3%
3,462.08	-96.05	-2.70%	4.7%
2,257.03	-37.08	-1.62%	5.3%
	2,762.13 25,520.96 7,240.95 1,547.27 388.07 3,462.08	2,762.13 -110.74 25,520.96 -1,095.75 7,240.95 -264.83 1,547.27 -60.79 388.07 -12.50 3,462.08 -96.05	2,762.13-110.74-3.85%25,520.96-1,095.75-4.12%7,240.95-264.83-3.53%1,547.27-60.79-3.78%388.07-12.50-3.12%3,462.08-96.05-2.70%

Source: Bloomberg; Index % change is based on price.

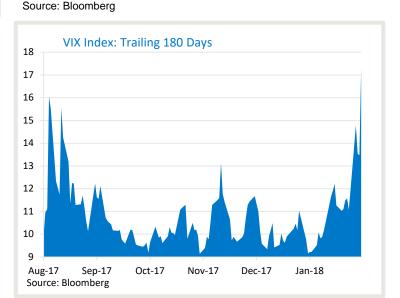


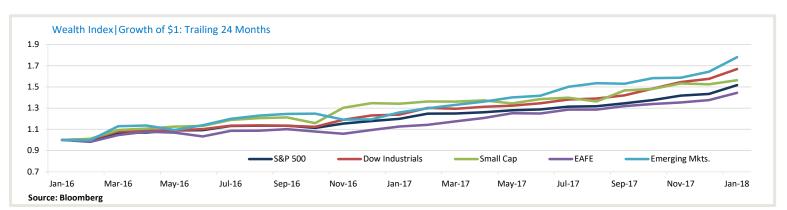
8/7 8/21 9/4 9/18 10/2 10/1610/3011/1311/2712/1112/25 1/8 1/22 Source: Bloomberg

	% Wgt in	Week %	
	S&P 500	Chg.	YTD % Chg.
Consumer Discretionary	12.7	- <mark>3.10%</mark>	7.1%
Consumer Staples	7.9	-3.77%	-0.8%
Energy	5.9	-6.42%	0.6%
Financials	15.0	-2 <mark>.81%</mark>	5.0%
Health Care	14.0	-5.06%	5.2%
Industrials	10.3	- <mark>3.27%</mark>	2.9%
Information Technology	24.0	-4.12%	4.4%
Materials	2.9	-5.64%	0.0%
Real Estate	2.7	-2. <mark>46%</mark>	-4.8%
Telecom Services	2.0	-1.28 <mark>%</mark>	-0.8%
Utilities	2.7	-2. <mark>31%</mark>	-5.3%

#### YTD % Last Price Change % Chg. **Russell Global EM** 3,916.40 -70.96 -1.78% 7.5% 10-Year US Treas. 2.85 19 bps NM NM DJ UBS Comm. Idx. 89.12 -1.68 -1.85% 1.1% Gold \$1,331.30 -\$17.92 -1.33% 2.2% **Crude Oil** \$65.07 -\$1.06 -1.60% 7.7% **Dollar Index** 89.19 0.12 0.13% -3.2% **VIX** Index 17.31 6.23 56.23% 56.8%

		One Week	< Comparison of the second sec		YTD	
	Value		Growth	Value		Growth
L	-3.85%	-3.77%	-3.70%	2.54%	3.77%	4.85%
	-3.98%	-3.95%	-3.91%	0.01%	1.51%	3.44%
S	-3.85%	-3.78%	-3.72%	-0.57%	0.77%	2.01%





# **The Economy and Markets**

#### A Macro View – January Monthly Recap

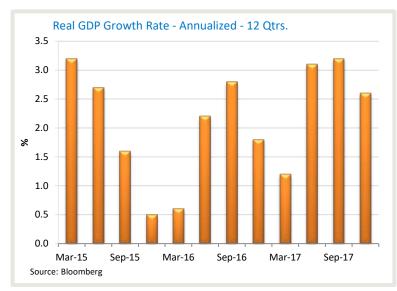
**Domestic equity markets** kicked off 2018 with a very strong January, as most stocks experienced gains, and the major equity indices reached new highs throughout the month. This was the best monthly return for the S&P 500 and Dow Jones Industrial Average (DJIA) since March 2016, and the best monthly return for the NASDAQ since October 2015. The DJIA surged above the 25,000 threshold for the first time ever during the first week of January, only to break through 26,000 on January 16, seven trading days later. Market participants continued to embrace the potential benefits from the Tax and Jobs Act of 2017, which provided lift to equities at year end and helped to kick-start 2018. The advance estimate of fourth-quarter gross domestic product (GDP) showed the US economy grew at a 2.6% annualized rate, which was slightly lower than expected and a dip from the two previous quarters that were both above 3%. Despite the slip in growth, the personal consumption component displayed a positive read, up 3.8%, leading many to look past the dip, as consumer spending drives roughly two-thirds of the economy. In the State of the Union address, President Trump urged Congress to pass a bill for \$1.5 trillion in new infrastructure spending. Overall, we experienced many positive economic and market events to start the year.

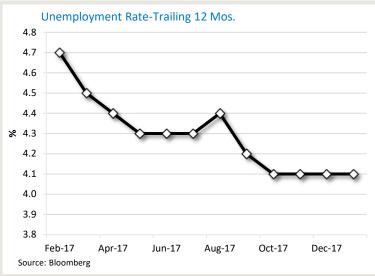
Within this context, the S&P 500 gained 5.7%, despite closing the month with some selling pressure. The S&P 500 has now finished higher for 15 consecutive months on a total return basis. Large cap domestic stocks outperformed small cap equities, as the Russell 1000 Index was up 5.5% and the Russell 2000 gained 2.6%. Mid cap stocks trailed large cap as well, with the Russell Mid Cap Index gaining 3.8%. Growth stocks widely outperformed value stocks, with the Russell 3000 Growth Index returning 6.8% compared with 3.7% for the Russell 300 Value Index. In terms of sector performance, Consumer Discretionary was the strongest performer, gaining 9.3%, followed by Information Technology, which gained 7.6%. Utilities and Real Estate were the main laggards and the only two negative sectors, losing 3.1% and 1.9%, respectively. Over the last 12 months, the S&P Information Technology sector is up 43.1%, more than 1300 basis points ahead of the second-best performing S&P sector, Financials, which is up 29.8%. Broadbased commodities rose 2.0%, as energy prices surged and the dollar declined.

**International equity markets** posted strong results to start the year, with results mostly in line with large cap domestic stocks, as the MSCI ACWI ex-U.S. Index increased by 5.6% in January. International growth continued to show strength at the end of 2017, with the Eurozone posting GDP growth of 2.5% for the full year, which was above economists' expectations, and its strongest reading since 2007. In December, the European Central Bank (ECB) lifted its growth estimate for 2018 to 2.3% from a previous estimate of 1.8%. The MSCI EAFE Index, which measures performance of international developed equities, gained 5.0%. Emerging markets continued to surge after a very strong 2017, gaining 8.3% in the first month of the year. EM Latin America and EM China were the top performers regionally, rising 13.2% and 12.5%, respectively. Regionally, Europe was a strong performer, increasing 5.4%, while Pacific ex-Japan posted a gain of 3.9%, trailing other regions.

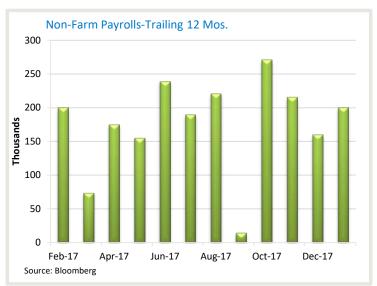
**Fixed income markets** mostly traded lower for the month, as yields moved higher. The yield on the 10-Year Treasury Note surged higher on the month, increasing to 2.72% from 2.41% at year end, with the 31-basis points move higher reflecting the largest monthly increase since November 2016. The rise in yields has been widely expected to occur for over a year, as the Federal Reserve (Fed) has continued to shift rates higher at the lower end of the curve. Despite this expectation, the 10-year yield actually declined during 2017, even with three rate hikes. Shorter-term rates have been rising, but now the long end of the curve has caught up quickly. With expectations that the Fed, under the leadership of incoming Chair Jerome Powell, expects to increase rates three or four times in 2018, there is even greater likelihood that longer-term rates may trend higher as well. The Barclays U.S. Aggregate Bond Index declined by 1.2% for the month. Showcasing the benefit of diversification across fixed income, global bonds continued to outperform domestic fixed income, as the Barclays Global Aggregate ex-U.S. Index gained 3.0%. Similar to their taxable bond peers, municipal bonds posted slight losses, declining 1.2%. High yield fixed income produced stronger results relative to investment grade, gaining 0.6%.

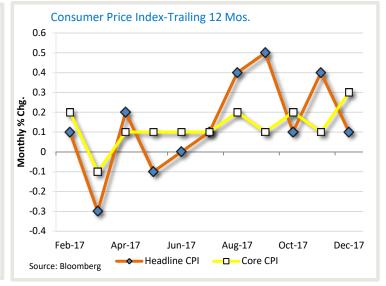
# **Economic Data**











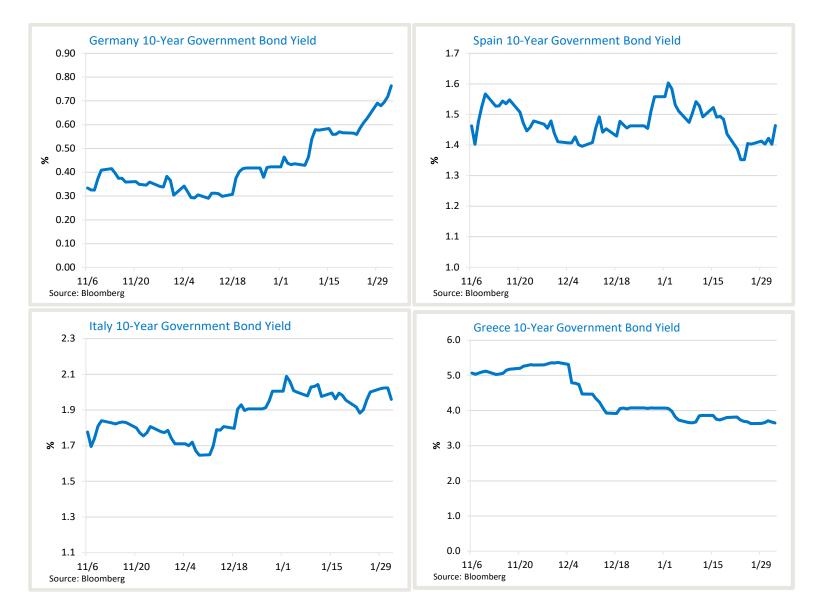


Consumer Board Confidence Index - Trailing 12 Mos.

## Eurozone

SELECTED EUROPEAN SOVEREIGN YIELD PERFORMANCE									
	Last	Change	% Chg.	YTD %		Last	Change	% Chg.	YTD %
Germany 10-Yr. Govt.	0.76	-13 bps	NM	NM	France 10-Yr. Govt.	1.02	-10 bps	NM	NM
Greece 10-Yr. Govt.	3.65	-2 bps	NM	NM	Ireland 10-Yr. Govt.	1.17	-11 bps	NM	NM
Italy 10-Yr. Govt.	2.04	-4 bps	NM	NM	Portugal 10-Yr. Govt.	2.00	-7 bps	NM	NM
Spain 10-Yr. Govt.	1.46	-5 bps	NM	NM	Netherlands 10-Yr. Govt.	0.80	-12 bps	NM	NM
Belgium 10-Yr. Govt.	1.02	-11 bps	NM	NM	U.K. 10-Yr. Govt.	1.58	-14 bps	NM	NM
Source: Bloomberg									

Basis points (bps)



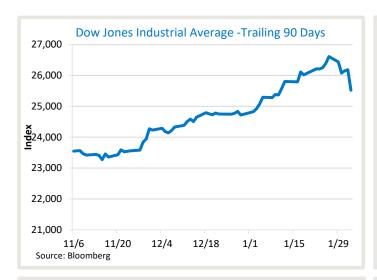
# **Equities**

WORLD	MARKET	PERFORMANCE
VVONLD		

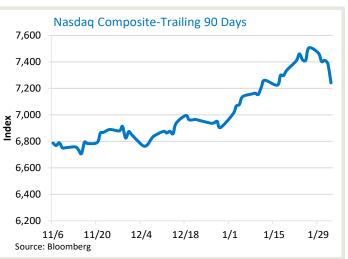
	Last	Change	% Chg.	YTD %
S&P 500	2,762.13	-110.74	-3.85%	3.31%
Dow Industrials	25,520.96	-1095.75	-4.12%	3.24%
Nasdaq Composite	7,240.95	-264.83	-3.53%	4.89%
Russell Global	2,257.03	-37.08	-1.62%	5.3%
Russell Global EM	3,916.40	-70.96	-1.78%	7.5%
S&P/TSX (Canada)	15,606.03	-633.19	-3.90%	-3.72%
Mexico IPC	50,395.83	-669.66	-1.31%	2.11%
Brazil Bovespa	84,041.34	-1489.50	-1.74%	10.00%
Euro Stoxx 600	388.07	-12.50	-3.12%	-0.29%
FTSE 100	7,443.43	-222.11	-2.90%	-3.18%
IBEX 35 (Spain)	10,211.20	-384.20	-3.63%	1.67%

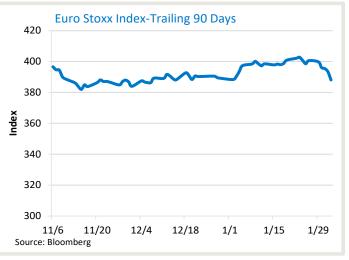
	Last	Change	% Chg.	YTD %
Swiss Market Index	9,220.69	-294.87	-3.10%	-1.72%
CAC 40 Index (France)	5,364.98	-164.17	-2.97%	0.99%
DAX Index (Germany)	12,785.16	-555.01	-4.16%	-1.03%
Irish Overall Index	6,885.23	-213.40	-3.01%	-2.17%
Nikkei 225	23,274.53	-357.35	-1.51%	2.24%
Hang Seng Index	32,601.78	-552.34	-1.67%	8.97%
Shanghai Composite	3,462.08	-96.05	-2.70%	4.68%
Kospi Index (S. Korea)	2,525.39	-49.37	-1.92%	2.35%
Taiwan Taiex Index	11,126.23	-20.87	-0.19%	4.54%
Tel Aviv 25 Index	1,540.28	-2.85	-0.18%	2.02%
MICEX Index (Russia)	2,281.84	-13.42	-0.58%	8.16%

Source: Bloomberg; Index % change is based on price.









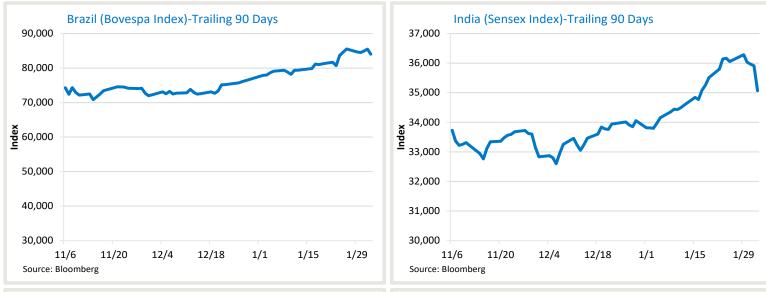
# **Equities – Emerging and Frontier Markets**

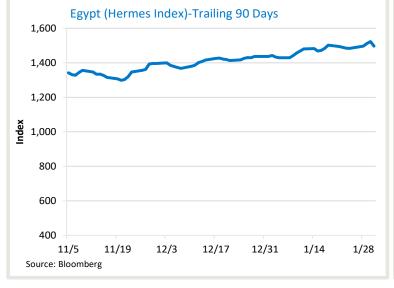
#### EMERGING AND FRONTIER MARKET PERFORMANCE

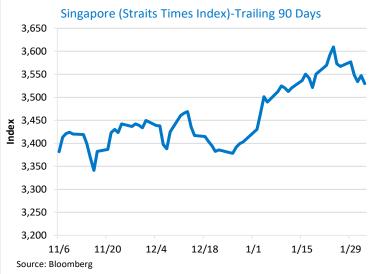
	Last	Change	% Chg.	YTD %
Mexico IPC	50,395.83	-669.66	-1.3%	2.1%
Brazil (Bovespa Index)	84,041.34	-1489.50	-1.7%	10.0%
MICEX Index (Russia)	2,281.84	-13.42	-0.6%	8.2%
Czech Republic (Prague)	1,129.10	-2.86	-0.3%	4.7%
Turkey (Istanbul)	118,119.40	-2582.50	-2.1%	2.4%
Egypt (Hermes Index)	1,500.75	17.14	1.2%	4.4%
Kenya (Nairobi 20 Index)	3,758.18	30.03	0.8%	1.2%
Saudi Arabia (TASI Index)	7,656.07	134.43	1.8%	5.9%
Lebanon (Beirut BLOM Index)	1,173.86	10.62	0.9%	2.2%
Palestine	576.93	-1.42	-0.2%	0.4%
Courses Disembergy Index 0/ shange is has	ad an price			

	Last	Change	% Chg.	YTD %
Hang Seng Index	32,601.78	-552.34	-1.7%	9.0%
India (Sensex 30)	35,066.75	-983.69	-2.7%	3.0%
Malaysia (KLCI Index)	1,870.48	33.44	1.8%	4.1%
Singapore (Straits Times Index)	3,529.82	-37.32	-1.0%	3.7%
Thailand (SET Index)	1,827.35	-1.53	-0.1%	4.2%
Indonesia (Jakarta)	6,628.82	-31.80	-0.5%	4.3%
Pakistan (Karachi KSE 100)	44,301.20	-249.93	-0.6%	9.5%
Vietnam (Ho Chi Minh)	1,105.04	-10.60	-1.0%	12.3%
Sri Lanka (Colombo)	6,520.46	72.25	1.1%	2.4%
Cambodia (Laos)	947.87	-13.48	-1.4%	-5.1%

Source: Bloomberg; Index % change is based on price.



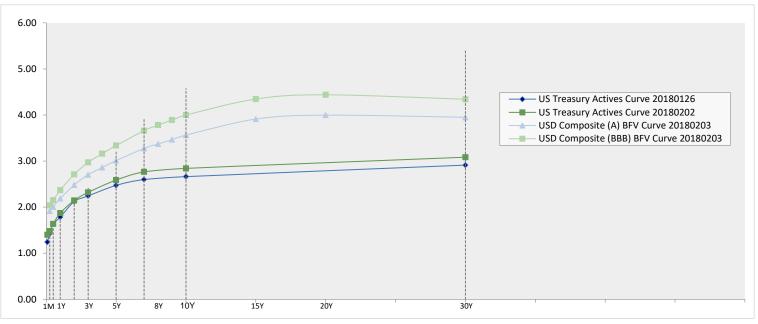




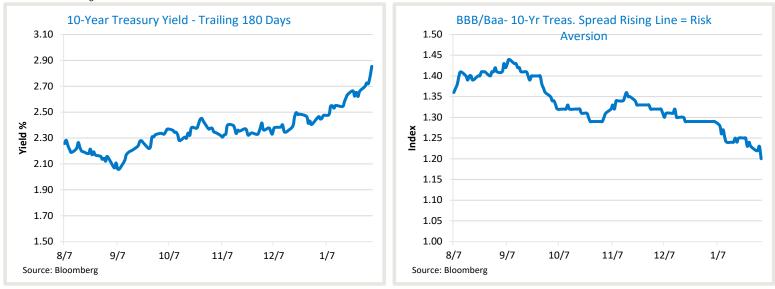
# **Interest Rates**

SELECTED INTEREST RATES									
	Last	Change	% Chg.	YTD %		Last	Change	% Chg.	YTD %
2-Yr. U.S. Treasury	2.14%	0 bps	NM	NM	Prime Rate	4.50%	0.00	NM	NM
5-Yr. U.S. Treasury	2.60%	13 bps	NM	NM	Fed Funds Rate	1.50%	0.00	NM	NM
10-Yr. U.S. Treasury	2.85%	19 bps	NM	NM	Discount Rate	2.00%	0.00	NM	NM
30-Yr. U.S. Treasury	3.10%	18 bps	NM	NM	LIBOR (3 Mo.)	1.79%	2 bps	NM	NM
German 10-Yr. Govt.	0.76%	-13 bps	NM	NM	Bond Buyer 40 Muni	3.74%	14 bps	NM	NM
France 10-Yr.	1.02%	-10 bps	NM	NM	Bond Buyer 40 G.O.	3.72%	NA	NM	NM
Italy 10-Yr.	2.04%	-4 bps	NM	NM	Bond Buyer 40 Rev.	4.21%	NA	NM	NM
Fed 5-Yr Fwd BE Inf.	2.06%	0 bps	NM	NM					
Courses Bloomborg									

Source: Bloomberg



Source: Bloomberg



# Currencies

	Last	Change	% Chg.	YTD %		Last	Change	% Chg.	YTD %
Dollar Index	89.19	0.118	0.13%	-3.19%	Chinese Yuan	6.30	-0.027	0.43%	3.26%
Euro	1.25	0.003	0.24%	3.77%	Swiss Franc	0.93	-0.001	0.11%	4.61%
Japanese Yen	110.20	1.580	-1.43%	2.30%	New Zealand Dollar	0.73	-0.005	-0.61%	2.92%
British Pound	1.41	-0.004	-0.28%	4.50%	Brazilian Real	3.22	0.071	-2.22%	2.76%
Canadian Dollar	1.24	0.011	-0.89%	1.23%	Mexican Peso	18.62	0.122	-0.66%	5.62%

SELECTED CURRENCY PERFORMANCE

Source: Bloomberg

6.30

6.20

6.10 6.00

8/7

Source: Bloomberg

9/7

10/7

11/7

12/7

1/7



108.00

106.00

104.00

8/7

Source: Bloomberg

9/7

10/7

11/7

12/7

1/7

# **Commodities**

6,200

6,000

5,800

8/7

Source: Bloomberg

9/7

10/7

11/7

12/7

1/7

	SELECTED COMMODITY MARKET PERFORMANCE									
	Last	Change	% Chg.	YTD %		Last	Change	% Chg.	YTD %	
Bloomberg Comm. Idx.	89.12	-1.68	-1.85%	1.08%	Platinum Spot	\$990.20	-\$21.64	-2.14%	6.65%	
Crude Oil	\$65.04	-\$1.06	-1.60%	7.68%	Corn	361.50	5.00	1.40%	3.06%	
Natural Gas	\$2.86	-\$0.31	-9.83%	-1.48%	Wheat	446.75	5.75	1.30%	4.63%	
Gasoline (\$/Gal.)	\$2.60	\$0.03	1.01%	4.58%	Soybeans	978.75	-6.75	-0.68%	1.77%	
Heating Oil	204.51	-8.25	-3.88%	0.06%	Sugar	13.63	0.27	2.02%	-10.09%	
Gold Spot	\$1,331.24	-\$17.92	-1.33%	2.18%	Orange Juice	147.00	-2.80	-1.87%	7.42%	
Silver Spot	\$16.58	-\$0.82	-4.72%	-2.08%	Aluminum	2,225.00	-32.00	-1.42%	-1.90%	

Copper

7,119.00

34.00

0.48%

-1.77%

Source: Bloomberg; % change is based on price.



340

330 320

8/7

Source: Bloomberg

9/7

10/7

11/7

12/7

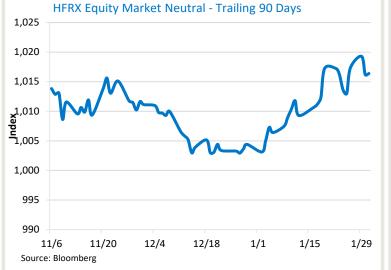
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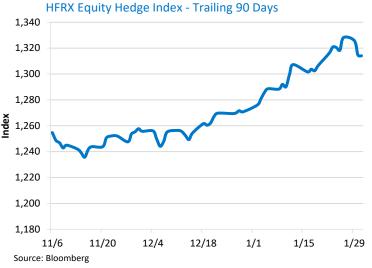
# **Alternative Investments**

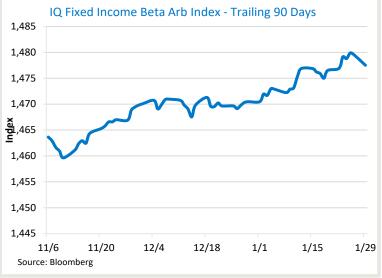
SELECTED ALTERNATIVE INVESTMENT INDEX PERFORMANCE													
	Last	Change	% Chg.	YTD %		Last	Change	% Chg.	YTD %				
HFRX Global Hedge Fund Index	1306.79	-9.19	-0.70%	2.45%	HFRX Distressed Index	1123.52	-0.20	-0.02%	1.52%				
HFRX Equity Market Neutral	1016.39	-0.97	-0.10%	1.19%	HFRX Merger Arbitrage Index	1855.08	-0.62	-0.03%	0.11%				
HFRX Equity Hedge Index	1314.10	-14.09	-1.06%	3.41%	HFRX Convertible Arbitrage Index	796.32	-0.69	-0.09%	0.01%				
HFRX Event-Driven Index	1695.03	-7.38	-0.43%	1.76%	HFRX Macro CTA Index	1208.10	-12.80	-1.05%	3.80%				
HFRX Absolute Return Index	1071.86	0.44	0.04%	0.81%	IQ Fixed Income Beta Arb Index	1476.23	-3.29	-0.22%	0.39%				

Source: Bloomberg; Index % change is based on price.

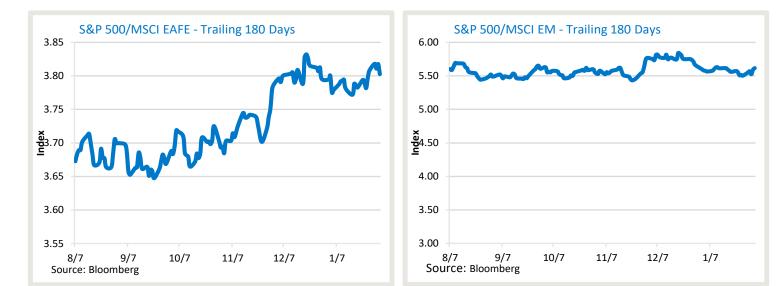








# **Portfolio Construction**

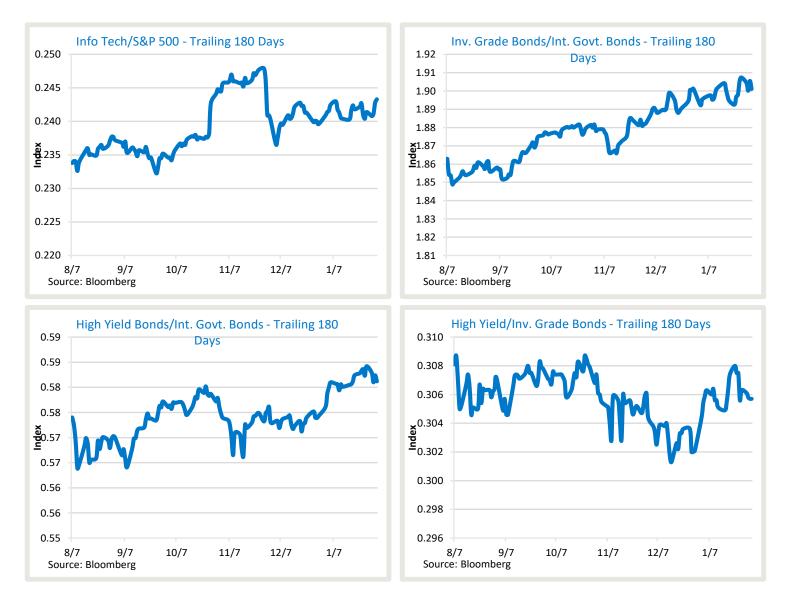








# Portfolio Construction (continued)



WEEKLT ASSET CLASS PERFORMANCE (PTOT 12 WEEKS Ending Inursday)														
			11/16	11/23	11/30	12/7	12/14	12/21	12/28	1/4	1/11	1/18	1/25	2/1
Domestic Equity Equity Int'l. Equity	Domestic	Large Cap (R200)	-0.08%	0.41%	1.89%	-0.38%	0.83%	1.16%	-0.02%	1.42%	1.65%	1.29%	1.45%	-0.43%
	Equity	Small Cap (R2000)	0.80%	2.01%	1.81%	-1.53%	0.89%	2.66%	0.12%	0.44%	2.00%	-0.63%	1.58%	-1.36%
	MSCI EAFE	-0.85%	1.43%	0.31%	1.10%	0.94%	0.85%	0.47%	2.24%	1.15%	1.35%	2.10%	-1.48%	
	MSCI Em. Mkts.	-0.74%	2.40%	2.74%	-1.81%	1.88%	1.17%	1.69%	3.38%	0.37%	2.55%	2.93%	-1.17%	
et		BarCap Agg. (AGG)	-3.42%	6.91%	11.44%	3.87%	8.72%	47.24%	-10.8 <mark>8</mark> %	1.05%	-9.17%	-6.31%	0.12%	0.12%
Fixed Income	High Yield (JNK)	0.82%	0.41%	-0.05%	-0.54%	0.14%	-0.35%	0.27%	0.90%	-0.19%	-0.30%	0.22%	-1.19%	
Comm	nodities	Bloomberg Commodity Index	-2.05%	1.61%	-1.54%	-2.22%	0.04%	1.72%	2.84%	0.99%	-0.30%	0.44%	1.99%	-0.66%
Alter	natives	Hedge Funds (HFRX Global)	-0.20%	0.59%	0.02%	-0.38%	0.10%	0.90%	0.11%	1.06%	0.61%	0.21%	0.86%	-0.31%
Accet Allocation		60/40*	-1.27%	3.10%	4.66%	0.81%	1.69%	17.32%	-3.6 <mark>3%</mark>	1.39%	-2.33%	-1.57%	1.11%	-0.5 <mark>6%</mark>
Asset Allocation	48/32/20 (w/Alts.)**	-1.05%	2.60%	3.73%	0.57%	1.37%	14.03%	-2.89%	1.32%	-1.74%	-1.21%	1.06%	-0.51%	

#### WEEKLY ASSET CLASS PERFORMANCE (Prior 12 weeks ending Thursday)

Source: Bloomberg; \*60/40 portfolio = 30% Large Cap/10% Small Cap/15% EAFE/5% Emerging Markets/35% BarCap Agg./5% High Yield. \*\*48/32/20 portfolio = 24% Large Cap/8% Small Cap/12% EAFE/4% Emerging Markets/28% BarCap Agg./4% High Yield/20% HFRX Global Index.

#### RELATIVE STRENGTH MATRIX (BASED ON 30-DAY RSI)

	Large Cap Core	Large Cap Growth	Large Cap Value	Mid Cap Core	Mid Cap Growth	Mid Cap Value	Small Cap Core	Small Cap Growth	Small Cap Value	Int'l. Developed	Emerging Markets	REITs	Comm.	Int. Bond	High Yield
Large Cap Core	1.00	1.03	1.05	1.14	1.07	1.22	1.23	1.17	1.34	1.02	1.04	1.63	1.14	1.50	1.75
Large Cap Growth	0.97	1.00	1.02	1.11	1.05	1.18	1.20	1.13	1.30	0.99	1.01	1.59	1.11	1.46	1.70
Large Cap Value	0.95	0.98	1.00	1.08	1.02	1.16	1.17	1.11	1.27	0.97	0.99	1.55	1.08	1.43	1.66
Mid Cap Core	0.88	0.90	0.92	1.00	0.94	1.07	1.08	1.02	1.18	0.90	0.91	1.43	1.00	1.32	1.53
Mid Cap Growth	0.93	0.96	0.98	1.06	1.00	1.13	1.15	1.09	1.25	0.95	0.97	1.52	1.06	1.40	1.63
Mid Cap Value	0.82	0.84	0.87	0.94	0.88	1.00	1.01	0.96	1.10	0.84	0.85	1.34	0.94	1.24	1.44
Small Cap Core	0.81	0.83	0.85	0.92	0.87	0.99	1.00	0.94	1.08	0.83	0.84	1.32	0.92	1.22	1.42
Small Cap Growth	0.86	0.88	0.90	0.98	0.92	1.04	1.06	1.00	1.15	0.88	0.89	1.40	0.98	1.29	1.50
Small Cap Value	0.75	0.77	0.79	0.85	0.80	0.91	0.92	0.87	1.00	0.76	0.77	1.22	0.85	1.12	1.31
Int'l. Developed	0.98	1.01	1.03	1.11	1.05	1.19	1.21	1.14	1.31	1.00	1.02	1.60	1.11	1.47	1.71
Emerging Markets	0.96	0.99	1.02	1.10	1.04	1.17	1.19	1.12	1.29	0.98	1.00	1.57	1.10	1.45	1.68
REITS	0.61	0.63	0.65	0.70	0.66	0.75	0.76	0.71	0.82	0.63	0.64	1.00	0.70	0.92	1.07
Commodities	0.88	0.90	0.93	1.00	0.94	1.07	1.08	1.02	1.18	0.90	0.91	1.43	1.00	1.32	1.54
Int. Bond	0.66	0.68	0.70	0.76	0.71	0.81	0.82	0.77	0.89	0.68	0.69	1.08	0.76	1.00	1.16
High Yield	0.57	0.59	0.60	0.65	0.61	0.70	0.71	0.67	0.77	0.58	0.59	0.93	0.65	0.86	1.00

Source: Bloomberg

The Relative Strength Matrix provides an indication of how the various asset classes have performed relative to one another over the past 30 days. A number greater than 1.0 indicates that the asset class in the far left column has outperformed the corresponding asset class in the top row over the past 30 days. A number below 1.0 means the asset class on the left has underperformed the asset class at the top. The green shading indicates outperformance, and the red shading indicates underperformance.

#### **INDEX OVERVIEW**

The S&P 500 Index is an unmanaged index comprised of 500 widely held securities considered to be representative of the stock market in general. The S&P/Case-Shiller Home Price Indices measure the residential housing market, tracking changes in the value of the residential real estate market in 20 metropolitan regions across the United States. The Nasdaq Composite is a stock market index of the common stocks and similar securities listed on the NASDAQ stock market. The MSCI EAFE Index represents 21 developed markets outside of North America. The MSCI EAFE Growth Index is an unmanaged index considered representative of growth stocks of Europe, Australasia and the Far East. The MSCI EAFE Value Index is an unmanaged index considered representative of value stocks of Europe, Australasia and the Far East. The MSCI Emerging Markets Index is a free float-adjusted market capitalization index that is designed to measure equity market performance in the global emerging markets. The MSCI Europe Index is an unmanaged index considered representative of stocks of developed European countries. The MSCI Pacific Index is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of the developed markets in the Pacific region. The Barclays US Credit Index is an unmanaged index considered representative of publicly issued, SEC-registered US corporate and specified foreign debentures and secured notes. The Barclays US Aggregate Bond Index is a market capitalization-weighted index of investment-grade, fixed-rate debt issues, including government, corporate, asset-backed, and mortgage-backed securities, with maturities of at least one year. The Barclays US Corporate High Yield Index covers the USD-denominated, non-investment grade, fixed-rate, taxable 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. The index may include emerging market debt. The Barclays Capital Municipal Bond Index is an unmanaged index comprised of investment-grade, fixed-rate municipal securities representative of the tax-exempt bond market in general. The Barclays US Treasury Total Return Index is an unmanaged index of public obligations of the US Treasury with a remaining maturity of one year or more. The Citigroup World Government Bond Index is a market capitalization weighted bond index consisting of the government bond markets of Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Ireland, Italy, Japan, Malaysia, Mexico, the Netherlands, Norway, Poland, Portugal, Singapore, Spain, Sweden, Switzerland, the United Kingdom and the United States. The DJ-UBS Commodity Index Total Return<sup>SM</sup> measures the collateralized returns from a basket of 19 commodity futures contracts representing the energy, precious metals, industrial metals, grains, softs and livestock sectors. The Russell 1000 Index is a market capitalization-weighted benchmark index made up of the 1000 largest U.S. companies in the Russell 3000 Index. The Russell 1000 Growth Index is an unmanaged index considered representative of large-cap growth stocks. The Russell 1000 Value Index is an unmanaged index considered representative of large-cap value stocks. The Russell 2000 Index is an unmanaged index considered representative of small-cap stocks. The Russell 2000 Growth Index is an unmanaged index considered representative of small-cap growth stocks. The Russell 2000 Growth Index is an unmanaged index considered representative of small-cap value stocks. The Russell 3000 Index is an unmanaged index considered representative of the US stock market. The Russell Midcap Index is a subset of the Russell 1000 Index. It includes approximately 800 of the smallest securities based on a combination of their market cap and current index membership. The Russell Midcap Growth Index is an unmanaged index considered representative of mid-cap growth stocks. The Russell Midcap Value Index is an unmanaged index considered representative of mid-cap value stocks. The HFRX Indices are a series of benchmarks of hedge fund industry performance which are engineered to achieve representative performance of a larger universe of hedge fund strategies. Hedge Fund Research, Inc. employs the HFRX Methodology (UCITS compliant), a proprietary and highly quantitative process by which hedge funds are selected as constituents for the HFRX Indices. The ISM Non-Manufacturing Index is an index based on surveys of more than 400 nonmanufacturing firms' purchasing and supply executives, within 60 sectors across the nation, by the Institute of Supply Management (ISM). The ISM Non-Manufacturing Index tracks economic data, like the ISM Non-Manufacturing Business Activity Index. A composite diffusion index is created based on the data from these surveys that monitors economic conditions of the nation. The ISM Manufacturing Index is an index based on surveys of more than 300 manufacturing firms by the Institute of Supply Management. The ISM Manufacturing Index monitors employment, production inventories, new orders and supplier deliveries. A composite diffusion index is created that monitors conditions in national manufacturing based on the data from these surveys. The Consumer Price Index (CPI) measures the change in the cost of a fixed basket of products and services. The Gross Domestic Product (GDP) rate is a measurement of the output of goods and services produced by labor and property located in the United States. Basis Point(s) is a unit that is equal to 1/100th of 1%, and is used to denote the change in a financial instrument. The basis point is commonly used for calculating changes in interest rates, equity indexes and the yield of a fixed-income security. The CBOE Volatility Index (VIX) is an up-to-the-minute market estimate of expected volatility that is calculated by using real-time S&P 500 Index option bid/ask quotes. The Index uses nearby and second nearby options with at least 8 days left to expiration and then weights them to yield a constant, 30-day measure of the expected volatility of the S&P 500 Index. The MSCI World ex-U.S. Index captures large and mid-cap representation across 22 of 23 Developed Markets DM countries\*--excluding the United States. With 1,002 constituents, the index covers approximately 85% of the free float-adjusted market capitalization in each country. (\* DM countries include: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Hong Kong, Ireland, Israel, Italy, Japan, Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland and the UK.) The MSCI Japan Index - is designed to measure the performance of the large and mid-cap segments of the Japanese market. With 320 constituents, the index covers approximately 85% of the free float-adjusted market capitalization in Japan. The Barclays Global Aggregate ex-U.S. Index - is a market capitalization-weighted index, meaning the securities in the index are weighted according to the market size of each bond type. Most U.S. traded investment grade bonds are represented. Municipal bonds, and Treasury Inflation-Protected Securities are excluded, due to tax treatment issues. The index includes Treasury securities, Government agency bonds, Mortgage-backed bonds, Corporate bonds, and a small amount of foreign bonds traded in U.S. The University of Michigan Consumer Sentiment Index (MCSI) is a survey of consumer confidence conducted by the University of Michigan. The Michigan Consumer Sentiment Index (MCSI) uses telephone surveys to gather information on consumer expectations regarding the overall economy. A separately managed account (SMA) is an individual managed investment account offered typically by a brokerage firm through one of their brokers or financial consultants and managed by independent investment management firms (often called money managers for short) and have varying fee structures. An open-end index fund continuously issues and redeems shares based on investor demand. As an index fund, its investment objective is to duplicate the performance of the index it uses as a benchmark. Investment Grade or Investment Grade Bond – The broad credit designation given to corporate and municipal bonds which have a high probability of being paid and minor, if any, speculative features. Bonds rated Baa and higher by Moody's Investor Services or BBB and higher by Standard & Poor's are deemed by those agencies to be "investment grade". Non-Investment Grade - By definition, junk bonds are non-investment grade. A bond rated lower than Baa/BBB, also called a "high-yield" bond. Junk bonds are speculative compared with investment grade bonds. Risk-On Risk-Off - An investment setting in which price behavior responds to, and is driven by, changes in investor risk tolerance. Risk-on risk-off refers to changes in investment activity in response to global economic patterns. During periods when risk is perceived as low, risk-on risk-off theory states that investors tend to engage in higher-risk investments. When risk is perceived as high, investors have the tendency to gravitate toward lower-risk investments.

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