

# **Weekly Market Review**

February 26, 2016

#### **Chart of the Week**



### Weekly Highlights

- Economic releases were heavy this week, revealing weakness in the services sector. That, is the PMI Manufacturing Index Flash revealed that production is slowing, and that growth in new orders and employment have been only marginal so far this month. In addition, the Consumer Confidence Index was lower than expected at 92.2%, and is predicted to drop further in February. Consumer Sentiment fell to a three-month low of 91.7% in February.
- Economic weakness showed in both the GDP and International Trade in Goods numbers. That is, GDP has been held down by weak exports and weak business investment, with US Q4 GDP revised to 1.0%. Furthermore, the nation's trade gap in goods widened 1.2% in January to \$62.2 billion as exports fell 2.9% to offset a 1.5% fall in imports (imports are a subtraction in the national accounts).
- Volatility continued in the oil market, as Saudi Arabia ruled out production cuts, and the EIA Petroleum Status report revealed that US crude inventories rose to a record 507.6 million barrels.

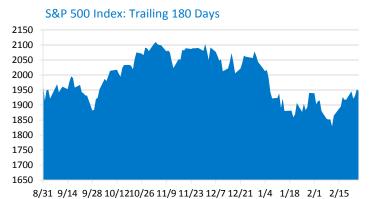
#### **Talking Points**

- Domestic stocks eked out gains, despite weakness early in the week, as GDP numbers were revised higher than expected on Friday. Note that large cap stocks continued to outpace their small cap peers.
- Global markets also closed slightly higher, with investors looking to the G20 summit in Shanghai for a plan to push growth.
- U.S. High Grade Corporate bonds rallied, as top names like Johnson & Johnson, Cisco Systems, and United Health Group went to market. This was the U.S. primary market's second- largest week of the year, with more than \$44 billion in debt being sold.
- Treasury yields crept higher. On Wednesday St. Louis Fed President James Bullard stated opposition to further interest rate hikes given "an environment of declining marketbased inflation expectations."
- Commodity indexes continued to sink, with energy, metal, and agricultural futures all falling broadly. Note that gold was the lone winner in the category, with the largest inflows seen since 2009.

### **Market Dashboard**

	Last Price	Change	% Chg.	YTD %
S&P 500	1,948.05	30.27	1.58%	-4.7%
Dow Industrials	16,639.97	247.98	1.51%	-4.5%
Nasdaq	4,590.47	86.04	1.91%	-8.3%
Russell 2000	1,037.18	27.17	2.69%	-8.7%
Euro Stoxx Index	331.54	5.17	1.58%	-9.4%
Shanghai Composite	2,767.21	-92.81	-3.25%	-21.8%
Russell Global	1,532.05	14.19	0.93%	-6.8%

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



8/31 9/14 9/28 10/1210/26 11/9 11/23 12// 12/21 1/4 1/18 2/1 2/15 Source: Bloomberg

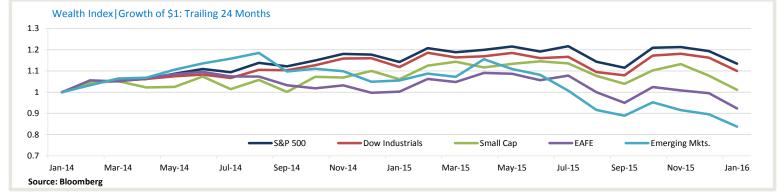
	% Wgt in	Week %	
	S&P 500	Chg.	YTD % Chg
Consumer Discretionary	12.9	2.83%	5 <mark>4</mark> .5%
Consumer Staples	10.7	0.42%	5 <b>0</b> .9%
Energy	6.6	0.40%	5 📕 4.4%
Financials	15.6	1.47%	5 <mark>1</mark> 0.9%
Health Care	<u>1</u> 4.8	2.02%	6.8%
Industrials	10.1	2.02%	5 [1.8%
Information Technology	20.4	1.47%	5.7%
Materials	2.8	3.07%	3.5%
Telecom Services	2.8	1.23%	8.8%
Utilities	3.3	-0.14%	6.1%

Source: Bloomberg



		One Week	K		YTD	
	Value		Growth	Value		Growth
L	1.39%	1.40%	1.41%	-4.98%	-4.98%	-4.98%
	2.41%	2.62%	2.83%	-4.68%	-5.22%	-5.76%
S	2.39%	2.69%	3.01%	-6.25%	-8.69%	-11.09%





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#### **The Economy and Markets**

#### A Macro View – Brexit: Key Questions and Answers

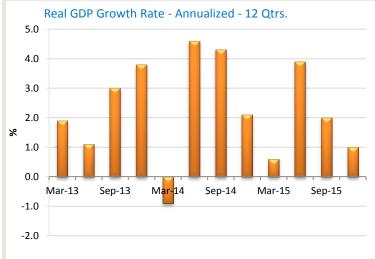
What is Brexit? Simply stated, Brexit is a combination of the words "British" and "exit", which refers to the possibility that the United Kingdom (UK) will exit the European Union (EU). Although the country joined the EU in 1973, its membership has been debated within Britain since then. In fact, while the principal currency of the EU is the Euro, the UK continues to use the pound sterling (GBP) as its independent currency. Most recently, in January 2013 David Cameron, who has served as the Prime Minister of the UK since 2010, stated that should his conservative party win the parliamentary majority in the 2015 general election the UK government would renegotiate the country's membership in the EU. On February 20th, 2016 Prime Minister Cameron signed a deal in Brussels which revamped Britain's membership in the EU. So why are we still talking about Brexit? Because on that same day, the Prime Minister set Thursday, June 23 as the date for the referendum in which Britain will vote on whether to remain part of the EU.

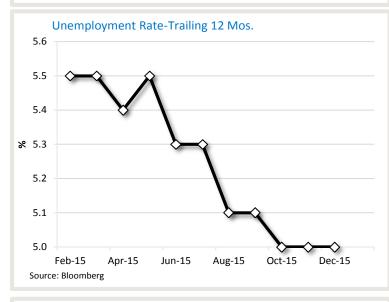
While Prime Minister Cameron maintains that the UK should stay in the EU, other people take the opposing view. You might ask, who? London Mayor Boris Johnson, Justice Secretary Michael Gove, and several other ministers have stated publicly that they support leaving the EU. According to the *International Business Times*, "around 37 percent of 3,482 adults polled online responded they wanted to stay in the EU, 38 percent wanted to leave and 25 percent were unsure." And while this sounds like a purely domestic problem, JPMorgan, Goldman Sachs, Morgan Stanley, and Bank of America all delivered six-figure checks to anti-Brexit campaign groups in January.

Why do these companies, or the United States in general, care about Brexit? Because the US-UK economic relationship is strong, and bilateral investments between the two countries are the largest in the world. In fact, according to the Organization for International Investment, in 2013 the UK was the largest foreign direct investor in the US, constituting almost one-fifth of all cumulative foreign direct investment holdings, or \$519 billion. On the other hand, according to the School of Advanced International Studies, in that same year US foreign direct investment in the UK amounted to \$571 billion. From an investment portfolio standpoint, the UK represents more than 14% of the MSCI ACWI ex-US Index, which is a benchmark for international portfolios. Furthermore, according to MarketWatch, nearly 9% of all foreign profits generated by US companies are derived from the UK, and at least 35% are derived from three major countries in the EU. Although there is not a broad understanding of the economic consequences should Britain exit the EU, this week the British pound/US dollar cross fell below \$1.40 for the first time since 2009, signaling concern about Brexit. And on Wednesday, analysts at HSBC said a vote for Brexit would cause the pound to decline an additional 15%-20% against the dollar. With the Eurozone already in a weak recovery mode, investment banks consider the potential Brexit to be a threat to this recovery. In short, while Brexit refers to the possibility of the UK exiting the EU, it could have domestic ramifications as well.

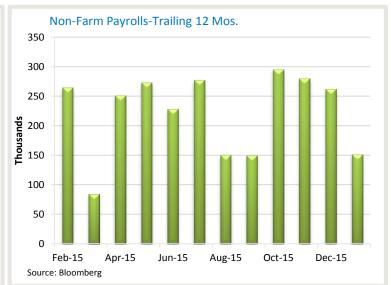
Stephanie Hagglund Investment Analyst

### **Economic Data**

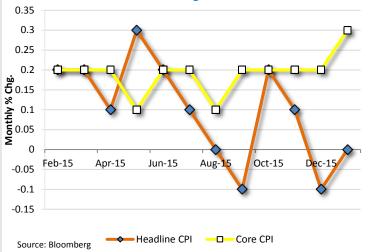


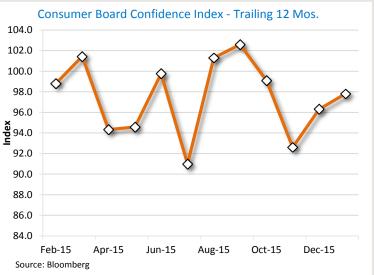








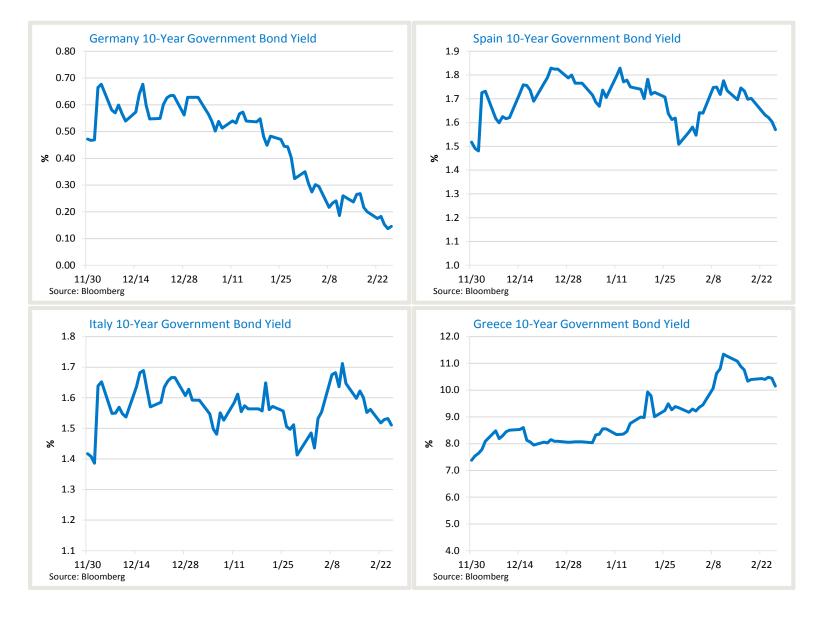




#### **Eurozone**

	Last	Change	% Chg.	YTD %		Last	Change	% Chg.	YTD %
Germany 10-Yr. Govt.	0.15	5 bps	NM	NM	France 10-Yr. Govt.	0.50	6 bps	NM	NM
Greece 10-Yr. Govt.	10.15	11 bps	NM	NM	Ireland 10-Yr. Govt.	0.90	5 bps	NM	NM
Italy 10-Yr. Govt.	1.47	8 bps	NM	NM	Portugal 10-Yr. Govt.	3.07	30 bps	NM	NM
Spain 10-Yr. Govt.	1.57	12 bps	NM	NM	Netherlands 10-Yr. Govt.	0.29	4 bps	NM	NM
Belgium 10-Yr. Govt.	0.62	6 bps	NM	NM	U.K. 10-Yr. Govt.	1.40	1 bps	NM	NM
Source: Bloomberg									

Basis points (bps)



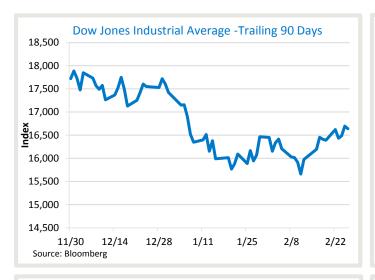
#### PEAN SOVEREIGN VIELD PERFORMAN

# **Equities**

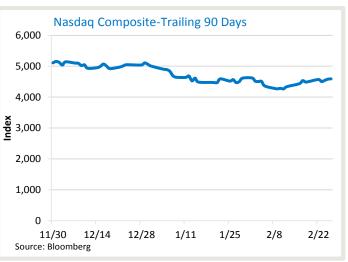
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	Last	Change	% Chg.	YTD %
S&P 500	1,948.05	30.27	1.58%	-4.69%
Dow Industrials	16,639.97	247.98	1.51%	-4.51%
Nasdaq Composite	4,590.47	86.04	1.91%	-8.33%
Russell Global	1,532.05	14.19	0.93%	-6.8%
Russell Global EM	2,339.14	-17.66	-0.75%	-7.8%
S&P/TSX (Canada)	12,797.79	-15.61	-0.12%	-1.63%
Mexico IPC	43,473.37	98.06	0.23%	1.15%
Brazil Bovespa	41,593.08	49.67	0.12%	-4.05%
Euro Stoxx 600	331.54	5.17	1.58%	-9.37%
FTSE 100	6,096.01	145.78	2.45%	-2.34%
IBEX 35 (Spain)	8,349.20	155.00	1.89%	-12.52%

WOR	RLD MARKE	T PERFORMANCE				
Chg.	YTD %		Last	Change	% Chg.	YTD %
1.58%	-4.69%	Swiss Market Index	7,877.03	13.67	0.17%	-10.67%
1.51%	-4.51%	CAC 40 Index (France)	4,314.57	91.53	2.17%	-6.95%
1.91%	-8.33%	DAX Index (Germany)	9,513.30	125.25	1.33%	-11.45%
0.93%	-6.8%	Irish Overall Index	6,240.29	114.92	1.88%	-8.12%
0.75%	-7.8%	Nikkei 225	16,188.41	221.24	1.39%	-14.95%
0.12%	-1.63%	Hang Seng Index	19,364.15	78.65	0.41%	-11.64%
0.23%	1.15%	Shanghai Composite	2,767.21	-92.81	-3.25%	-21.81%
0.12%	-4.05%	Kospi Index (S. Korea)	1,920.16	3.92	0.20%	-2.10%
1.58%	-9.37%	Taiwan Taiex Index	8,411.16	86.12	1.03%	0.88%
2.45%	-2.34%	Tel Aviv 25 Index	1,427.09	8.87	0.63%	-6.65%
1.89%	-12.52%	MICEX Index (Russia)	1,816.73	23.36	1.30%	3.14%

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









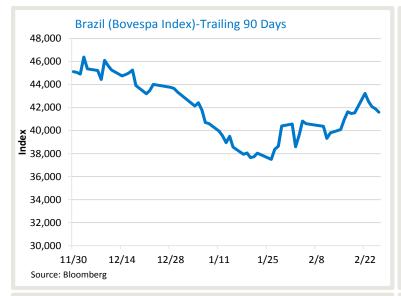
### **Equities – Emerging and Frontier Markets**

#### EMERGING AND FRONTIER MARKET PERFORMANCE

Brazil (Bovespa Index) 41,593.08 49.67 0.1% -4.1%   MICEX Index (Russia) 1,816.73 23.36 1.3% 3.1%   Czech Republic (Prague) 865.37 -5.85 -0.7% -9.5%   Turkey (Istanbul) 74,929.02 1913.60 2.6% 4.5%   Egypt (Hermes Index) 553.37 10.55 1.9% -12.2%   Kenya (Nairobi 20 Index) 3,871.62 37.05 1.0% -4.2%   Saudi Arabia (TASI Index) 5,975.94 91.78 1.6% -13.5%		Last	Change	% Chg.	YTD %
MICEX Index (Russia) 1,816.73 23.36 1.3% 3.1%   Czech Republic (Prague) 865.37 -5.85 -0.7% -9.5%   Turkey (Istanbul) 74,929.02 1913.60 2.6% 4.5%   Egypt (Hermes Index) 553.37 10.55 1.9% -12.2%   Kenya (Nairobi 20 Index) 3,871.62 37.05 1.0% -4.2%   Saudi Arabia (TASI Index) 5,975.94 91.78 1.6% -13.5%	Mexico IPC	43,473.37	98.06	0.2%	1.2%
Czech Republic (Prague)   865.37   -5.85   -0.7%   -9.5%     Turkey (Istanbul)   74,929.02   1913.60   2.6%   4.5%     Egypt (Hermes Index)   553.37   10.55   1.9%   -12.2%     Kenya (Nairobi 20 Index)   3,871.62   37.05   1.0%   -4.2%     Saudi Arabia (TASI Index)   5,975.94   91.78   1.6%   -13.5%	Brazil (Bovespa Index)	41,593.08	49.67	0.1%	-4.1%
Turkey (Istanbul)   74,929.02   1913.60   2.6%   4.5%     Egypt (Hermes Index)   553.37   10.55   1.9%   -12.2%     Kenya (Nairobi 20 Index)   3,871.62   37.05   1.0%   -4.2%     Saudi Arabia (TASI Index)   5,975.94   91.78   1.6%   -13.5%	MICEX Index (Russia)	1,816.73	23.36	1.3%	3.1%
Egypt (Hermes Index)   553.37   10.55   1.9%   -12.2%     Kenya (Nairobi 20 Index)   3,871.62   37.05   1.0%   -4.2%     Saudi Arabia (TASI Index)   5,975.94   91.78   1.6%   -13.5%	Czech Republic (Prague)	865.37	-5.85	-0.7%	-9.5%
Kenya (Nairobi 20 Index)   3,871.62   37.05   1.0%   -4.2%     Saudi Arabia (TASI Index)   5,975.94   91.78   1.6%   -13.5%	Turkey (Istanbul)	74,929.02	1913.60	2.6%	4.5%
Saudi Arabia (TASI Index)   5,975.94   91.78   1.6%   -13.5%	Egypt (Hermes Index)	553.37	10.55	1.9%	-12.2%
	Kenya (Nairobi 20 Index)	3,871.62	37.05	1.0%	-4.2%
1 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 +	Saudi Arabia (TASI Index)	5,975.94	91.78	1.6%	-13.5%
Lebanon (Beirut BLOW index) 1,157.90 -8.95 -0.8% -1.0%	Lebanon (Beirut BLOM Index)	1,157.90	-8.95	-0.8%	-1.0%
Palestine 530.82 -0.09 0.0% -0.4%	Palestine	530.82	-0.09	0.0%	-0.4%

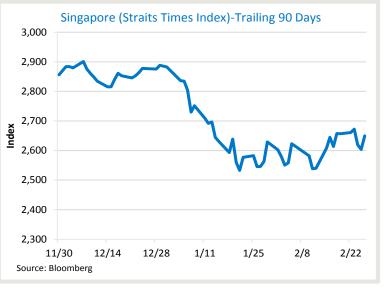
	Last	Change	% Chg.	YTD %
Hang Seng Index	19,364.15	78.65	0.4%	-11.6%
India (Sensex 30)	23,154.30	-554.85	-2.3%	-11.3%
Malaysia (KLCI Index)	1,663.44	-11.44	-0.7%	-1.7%
Singapore (Straits Times Index)	2,649.38	-7.49	-0.3%	-8.1%
Thailand (SET Index)	1,343.07	48.48	3.7%	4.3%
Indonesia (Jakarta)	4,733.15	35.59	0.8%	3.1%
Pakistan (Karachi KSE 100)	31,294.08	282.31	0.9%	-4.6%
Vietnam (Ho Chi Minh)	566.11	12.08	2.2%	-2.2%
Sri Lanka (Colombo)	6,203.98	-4.91	-0.1%	-10.0%
Cambodia (Laos)	1,170.84	-0.39	0.0%	-0.2%

 $Source: B {\rm loomberg}; {\rm Index}\,\%\, {\rm change}\, {\rm is}\, {\rm based}\, {\rm on}\, {\rm price}.$ 





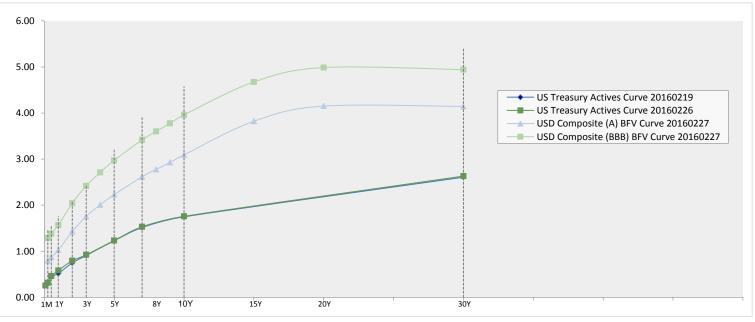


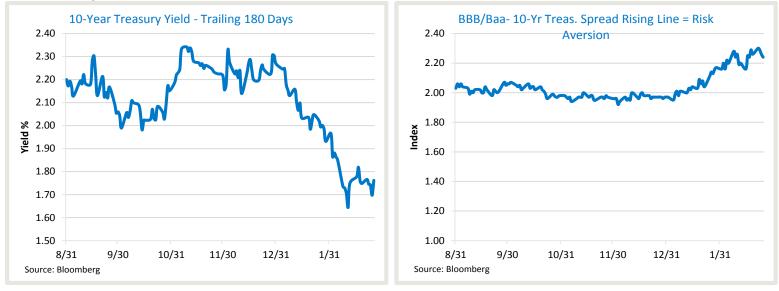


### **Interest Rates**

SELECTED INTEREST RATES									
	Last	Change	% Chg.	YTD %		Last	Change	% Chg.	YTD %
2-Yr. U.S. Treasury	0.79%	-1 bps	NM	NM	Prime Rate	3.50%	0.00	NM	NM
5-Yr. U.S. Treasury	1.24%	1 bps	NM	NM	Fed Funds Rate	0.50%	0.00	NM	NM
10-Yr. U.S. Treasury	1.76%	1 bps	NM	NM	Discount Rate	1.00%	0.00	NM	NM
30-Yr. U.S. Treasury	2.64%	3 bps	NM	NM	LIBOR (3 Mo.)	0.64%	2 bps	NM	NM
German 10-Yr. Govt.	0.15%	5 bps	NM	NM	Bond Buyer 40 Muni	3.34%	0 bps	NM	NM
France 10-Yr.	0.50%	6 bps	NM	NM	Bond Buyer 40 G.O.	3.34%	NA	NM	NM
Italy 10-Yr.	1.47%	8 bps	NM	NM	Bond Buyer 40 Rev.	3.79%	NA	NM	NM
Fed 5-Yr Fwd BE Inf.	1.41%	7 bps	NM	NM					
Source: Pleambarg									

Source: Bloomberg



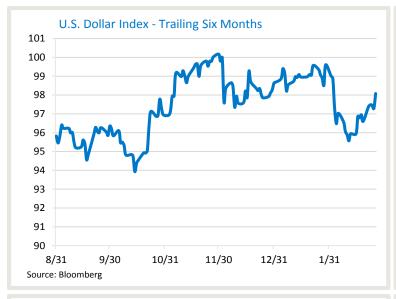


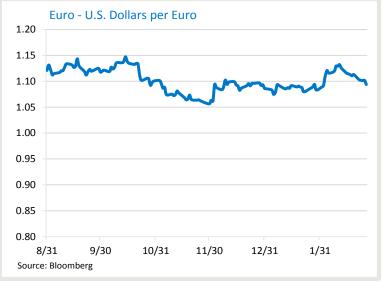
### **Currencies**

			SELECT	EDCURR
	Last	Change	% Chg.	YTD %
Dollar Index	98.08	1.479	1.53%	-0.56%
Euro	1.09	-0.019	-1.72%	0.71%
Japanese Yen	113.97	1.340	-1.18%	5.48%
British Pound	1.39	-0.053	-3.71%	-5.86%
Canadian Dollar	1.35	-0.025	1.84%	2.38%
Source: Bloomberg				

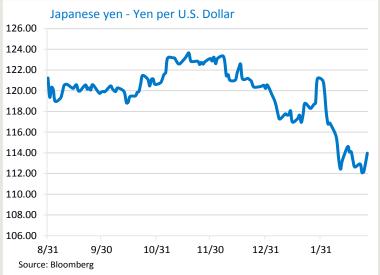
#### SELECTED CURRENCY PERFORMANCE

	Last	Change	% Chg.	YTD %
Chinese Yuan	6.54	0.018	-0.28%	-0.71%
Swiss Franc	1.00	0.006	-0.57%	0.60%
New Zealand Dollar	0.66	0.000	-0.02%	-2.93%
Brazilian Real	4.00	-0.022	0.55%	-0.98%
Mexican Peso	18.28	0.061	-0.33%	-5.88%









YTD %

2.53%

-1.37%

-5.09%

-0.69%

-6.17%

-11.13%

3.32%

-2.21%

Change

-\$25.25

-9.75

-14.50

-17.25

1.33

-2.15

8.00

-20.00

% Chg.

-2.69%

-2.64%

-3.11%

-1.96%

10.50%

-1.65%

0.52%

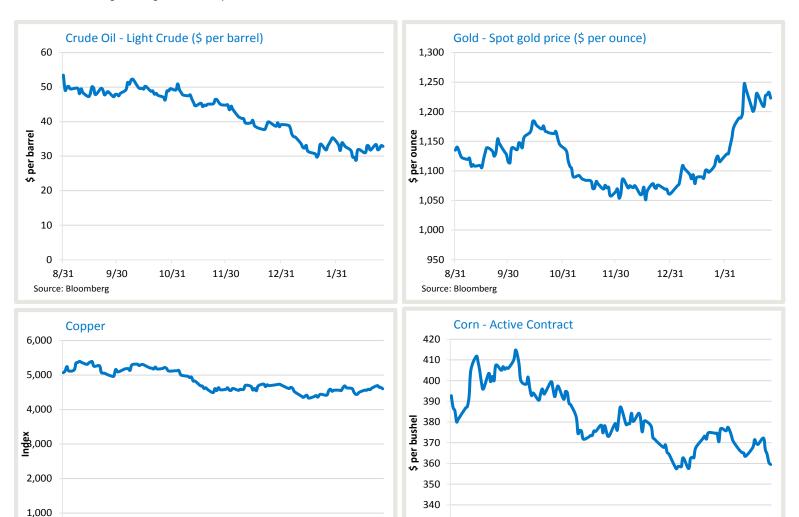
-0.43%

### **Commodities**

#### SELECTED COMMODITY MARKET PERFORMANCE

	Last	Change	% Chg.	YTD %		Last
Bloomberg Comm. Idx.	75.46	0.36	0.47%	-3.94%	Platinum Spot	\$914.25
ogers Int. Comm. Idx.	1905.32	-4.54	-0.24%	-5.61%	Corn	359.50
Crude Oil	\$32.87	\$1.08	3.40%	-16.10%	Wheat	452.25
Natural Gas	\$1.79	-\$0.08	-4.12%	-25.01%	Soybeans	863.50
asoline (\$/Gal.)	\$1.73	\$0.01	0.64%	-13.43%	Sugar	14.00
leating Oil	105.26	2.71	2.64%	-8.38%	Orange Juice	128.50
Gold Spot	\$1,222.57	-\$3.85	-0.31%	15.25%	Aluminum	1,557.00
Silver Spot	\$14.71	-\$0.63	-4.10%	6.30%	Copper	4,601.00

Source: Bloomberg; % change is based on price.



330 320

8/31

Source: Bloomberg

10/31

9/30

11/30

12/31

12/1

1/1

2/1

0

9/1

Source: Bloomberg

10/1

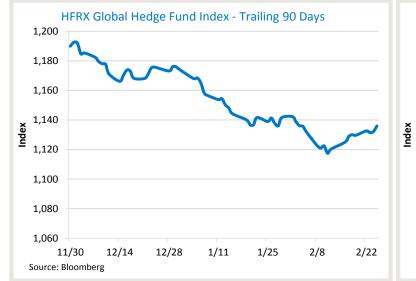
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### **Alternative Investments**

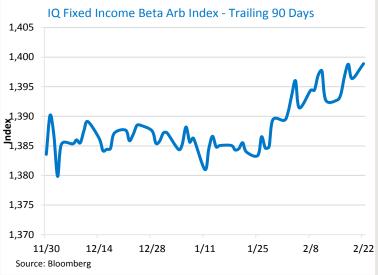
	Last	Change	% Chg.	YTD %		Last	Change	% Chg.	YTD %
HFRX Global Hedge Fund Index	1135.94	6.31	0.56%	-3.25%	HFRX Distressed Index	838.45	-4.81	-0.57%	-6.45%
HFRX Equity Market Neutral	1022.40	4.42	0.43%	-1.70%	HFRX Merger Arbitrage Index	1757.78	7.11	0.41%	1.15%
HFRX Equity Hedge Index	1085.35	6.97	0.65%	-5.97%	HFRX Convertible Arbitrage Index	689.72	-2.15	-0.31%	-1.77%
HFRX Event-Driven Index	1350.93	16.81	1.26%	-4.08%	HFRX Macro CTA Index	1188.41	0.73	0.06%	1.61%
HFRX Absolute Return Index	1021.17	2.66	0.26%	-0.40%	IQ Fixed Income Beta Arb Index	1402.41	6.04	0.43%	1.10%

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



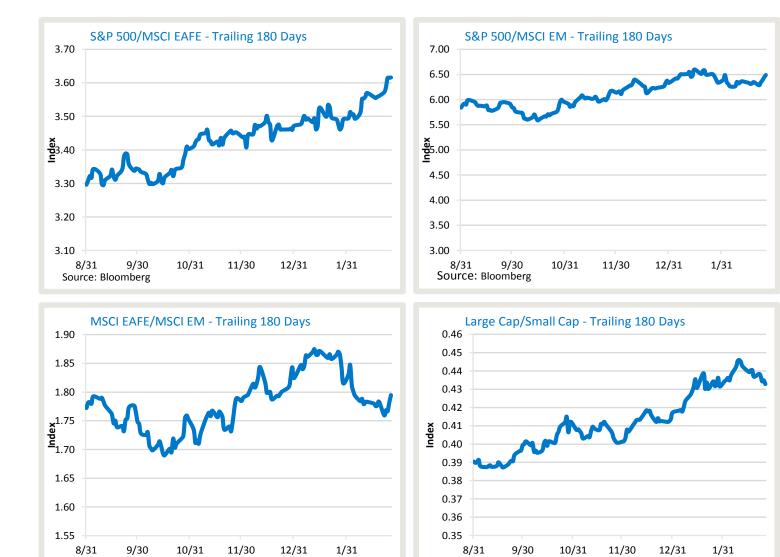






### **Portfolio Construction**

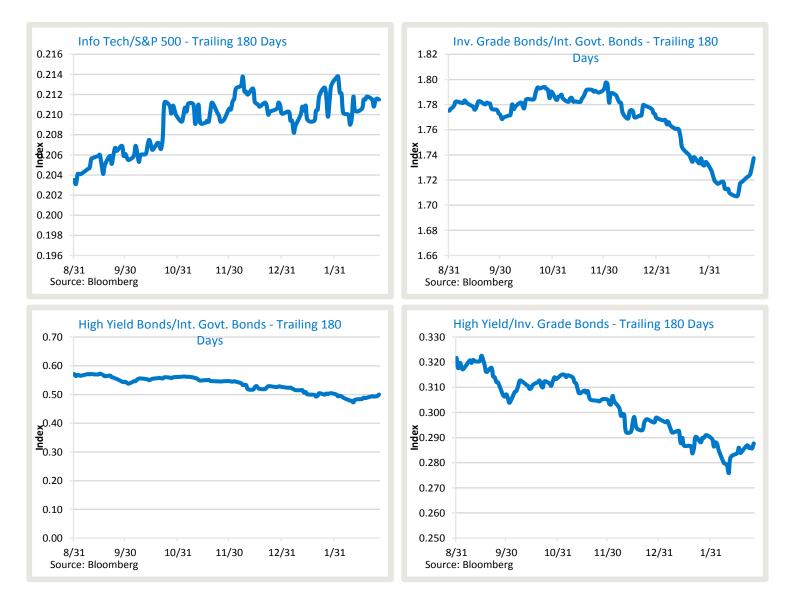
Source: Bloomberg







## Portfolio Construction (continued)



			12/10	12/17	12/24	12/31	1/7	1/14	1/21	1/28	2/4	2/11	2/18	2/25
Domestic Equity Equity Int'l. Equity	Domestic	Large Cap (R200)	0.24%	-0.37%	0.76%	-0.82%	-5.04%	-0.78%	-2.87%	1.30%	1.00%	-4.38%	4.68%	1.61%
	Equity	Small Cap (R2000)	-1.84%	-1.19%	1.71%	-1.63%	-6.28%	-3.65%	-2.76%	0.59%	1.15%	-6.02%	5.35%	2.67%
	int'i.	MSCI EAFE	-2.02%	-0.33%	1.27%	-0.31%	-5.46%	-2.40%	-4.11%	3.69%	0.62%	-5.61%	4.90%	-0.93%
	MSCI Em. Mkts.	-3.69%	1.21%	0.68%	-1.23%	-6.96%	-2.13%	-4.79%	4.90%	2.40%	-3.58%	4.66%	-1.46%	
		BarCap Agg. (AGG)	0.49%	-0.25%	-0.13%	0.00%	0.38%	0.35%	-0.04%	0.25%	0.36%	0.59%	-0.27%	0.36%
Fixed Income	High Yield (JNK)	-2.19%	-1.92%	1.01%	-0.44%	-0.91%	-1.37%	-2.11%	1.82%	-1.33%	-3.38%	2.64%	1.65%	
Commodities		Bloomberg Commodity Index	-2.64%	-3.22%	2.45%	0.09%	-2.39%	-2.77%	-1.03%	3.14%	0.05%	-2.87%	2.42%	0.00%
Alternatives		Hedge Funds (HFRX Global)	-0.60%	-0.38%	0.22%	-0.14%	-1.36%	-0.87%	-0.98%	-0.07%	-0.03%	-1.61%	1.12%	0.52%
Asset Allocation		60/40*	-0.54%	-0.40%	0.63%	-0.54%	-3.22%	-1.01%	-2.11%	1.43%	0.69%	-2.90%	2.94%	0.75%
		48/32/20 (w/Alts.)**	-0.55%	-0.40%	0.55%	-0.46%	-2.85%	-0.98%	-1.88%	1.13%	0.54%	-2.64%	2.58%	0.70%

#### 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		Int'l. Developed	Emerging Markets	REITs	Comm.	Int. Bond	High Yield
Large Cap Core	1.00	1.00	1.00	1.00	1.00	1.00	1.06	1.09	1.03	1.13	1.09	0.96	1.09	0.81	1.10
Large Cap Growth	1.00	1.00	1.01	1.00	1.01	1.00	1.07	1.10	1.03	1.13	1.09	0.96	1.09	0.82	1.10
Large Cap Value	1.00	0.99	1.00	1.00	1.00	0.99	1.06	1.09	1.02	1.12	1.08	0.95	1.08	0.81	1.09
Mid Cap Core	1.00	1.00	1.00	1.00	1.00	1.00	1.06	1.09	1.03	1.13	1.09	0.96	1.09	0.81	1.10
Mid Cap Growth	1.00	0.99	1.00	1.00	1.00	1.00	1.06	1.09	1.03	1.13	1.09	0.96	1.09	0.81	1.10
Mid Cap Value	1.00	1.00	1.01	1.00	1.00	1.00	1.06	1.09	1.03	1.13	1.09	0.96	1.09	0.82	1.10
Small Cap Core	0.94	0.94	0.94	0.94	0.94	0.94	1.00	1.03	0.97	1.06	1.02	0.90	1.02	0.77	1.03
Small Cap Growth	0.92	0.91	0.92	0.92	0.92	0.92	0.97	1.00	0.94	1.03	1.00	0.88	1.00	0.75	1.01
Small Cap Value	0.97	0.97	0.98	0.97	0.97	0.97	1.03	1.06	1.00	1.10	1.06	0.93	1.06	0.79	1.07
Int'l. Developed	0.89	0.88	0.89	0.89	0.89	0.89	0.94	0.97	0.91	1.00	0.96	0.85	0.96	0.72	0.97
Emerging Markets	0.92	0.91	0.92	0.92	0.92	0.92	0.98	1.00	0.95	1.04	1.00	0.88	1.00	0.75	1.01
REITS	1.04	1.04	1.05	1.04	1.04	1.04	1.11	1.14	1.07	1.18	1.13	1.00	1.14	0.85	1.15
Commodities	0.92	0.91	0.92	0.92	0.92	0.92	0.98	1.00	0.95	1.04	1.00	0.88	1.00	0.75	1.01
Int. Bond	1.23	1.22	1.23	1.23	1.23	1.23	1.31	1.34	1.26	1.39	1.34	1.18	1.34	1.00	1.35
High Yield	0.91	0.91	0.91	0.91	0.91	0.91	0.97	0.99	0.94	1.03	0.99	0.87	0.99	0.74	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 & Key Definitions**

Fed, The Fed or FED refers to the Federal Reserve System, the central bank of the United States. The Federal Open Market Committee (FOMC) is the monetary policymaking body of the Federal Reserve System. Fed Funds Rate, the interest rate at which a depository institution lends funds maintained at the Federal Reserve to another depository institution overnight. The European Central Bank (ECB) is the central bank for Europe's single currency, the euro. The ECB's main task is to maintain the euro's purchasing power and thus price stability in the euro area. The euro area comprises the 19 European Union countries that have introduced the euro since 1999. 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. 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. The Consumer Price Index (CPI) measures the change in the cost of a fixed basket of products and services. The Producer Price Index (PPI) program measures the average change over time in the selling prices received by domestic producers for their output. The prices included in the PPI are from the first or "underlying" rate of inflation. The PCE (Personal Consumption Expenditure) Index, excludes energy and food item price changes, and measures the "core" or "underlying" rate of inflation. The PCE (Personal Consumption Expenditure) Index and Producer Price Index prices, it is derived from personal consumption expenditures; essentially a measure of goods and services targeted towa

The Dow Jones Industrial Average (DOW or DJIA) is an unmanaged index of 30 common stocks comprised of 30 actively traded blue chip stocks, primarily industrials and assumes reinvestment of dividends. 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 Index is a stock market index of the common stocks and similar securities listed on the NASDAQ stock market. The US Dollar Index is a measure of the value of the United States dollar relative to a basket of foreign currencies. It is a weighted geometric mean of the dollar's value relative to other select currencies (Euro, Japanese yen, Pound sterling, Canadian dollar, Swedish krona (SEK) & Swiss franc). The Nikkei Index (Nikkei 225 or Nikkei) is a stock market index for the Tokyo Stock Exchange calculated daily by the Nihon Keizai Shimbun (Nikkei) newspaper since 1950. It is a price-weighted index (the unit is yen), and the components are reviewed once a year. The FTSE 100 Index (FTSE 100) is a share index of the 100 companies listed on the London Stock Exchange (LSE) with the highest market capitalization. The Bloomberg Commodity Index (formerly the Dow Jones-UBS Commodity Index) tracks prices of futures contracts on physical commodities on the commodity markets and is designed to minimize concentration in any one commodity or sector (currently 22 commodity futures in seven sectors). The Barclays Capital 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 Capital 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 Capital 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 Capital 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 Barclays Capital 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 Barclays Capital U.S. 5-10 Year Corporate Bond Index measures the investment return of U.S. dollar denominated, investment-grade, fixed rate, taxable securities issued by industrial, utility, and financial companies with maturities between 5 and 10 years. Treasury securities, mortgage-backed securities (MBS) foreign bonds, government agency bonds and corporate bonds are some of the categories included in the index. The Barclays Capital U.S Corporate High-Yield Index is composed of fixed-rate, publicly issued, non-investment grade debt. The Barclays Capital U.S. Corporate 5-10 Year Index includes U.S. dollar-denominated, investment-grade, fixed-rate, taxable securities issued by industrial, utility, & financial companies, with maturities between 5 & 10 years. The DJ-UBS Commodity Index Total Return SM 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 University of Michigan Consumer Sentiment Index (MCSI) is a survey of consumer confidence conducted by the University of Michigan using telephone surveys to gather information on consumer expectations regarding the overall economy. The CBOE Volatility Index (VIX) is an upto-the-minute market estimate of expected volatility that is calculated by using real-time S&P 500 Index option bid/ask guotes. 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 EAFE Index is designed to measure the equity market performance of developed markets outside of the U.S. & Canada. 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 EM (Emerging Markets) Latin America Index is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of emerging markets in Latin America. The MSCI World ex-U.S. Index captures large and mid-cap representation across 22 of 23 Developed Markets (DM) countries - excluding the US. With 1,002 constituents, the index covers approximately 85% of the free floatadjusted 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 320 constituents, the index covers approximately 85% of the free float-adjusted market capitalization in Japan. The MSCI Emerging Markets Index is a free floatadjusted 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 Intermediate US Government/Credit Bond Index is a market capitalization-weighted index of investment-grade, fixed-rate debt issues, including Treasuries, government-related and U.S. corporate securities, with maturities of at least one year and less than 10 years. The Philadelphia Fed Manufacturing Index is a regional Federal Reserve Bank index measuring changes in business growth and is constructed from a survey of participants who voluntarily answer questions regarding the direction of change in their overall business activities. The ISM Non-Manufacturing Index is an index based on surveys of more than 400 non-manufacturing firms' purchasing and supply executives, within 60 sectors across the nation, by the Institute of Supply Management (ISM) and also 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 Housing Market Index (HMI) is based on a monthly survey of NAHB members designed to take the pulse of the single-family housing market. (as of 02.19.16)

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