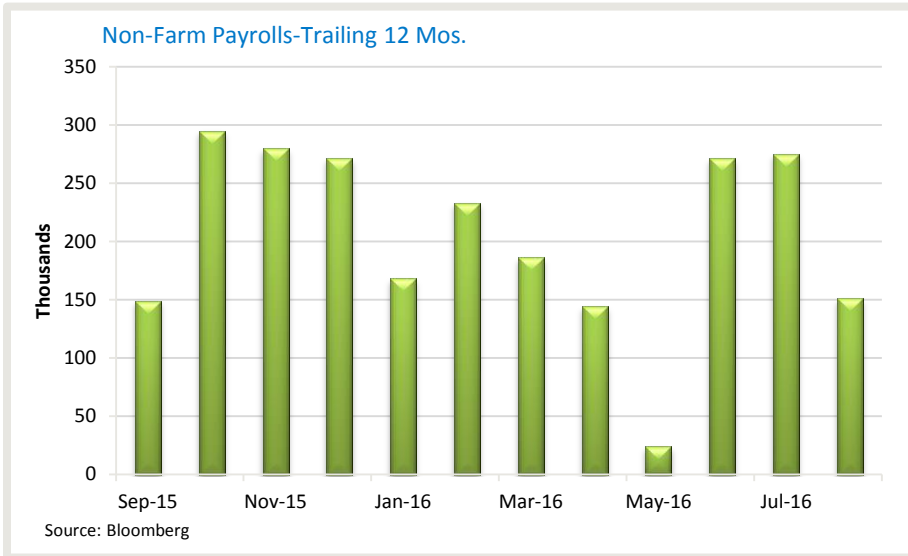


# Weekly Market Review

September 9, 2016

## Chart of the Week



## Weekly Highlights

- **DOL JOLTS report shows increased job openings in July.** According to the Department of Labor, job openings totaled 5.871 million for July, an increase from June's number, which was revised upward. The increase in job openings augurs well for the labor market. The hiring, quit, separation, and layoff rates remained unchanged.
- **FED Beige Book calls economic growth and outlook modest.** The report highlights upward pressure on wages, but characterizes inflation pressures as benign. The assessment of consumer spending is neutral, and auto sales have fallen. The energy sector remains weak, while housing and manufacturing have improved slightly.
- **Initial jobless claims remain near historic lows.** Initial jobless claims for the week ended September 3rd fell by 4,000 to 259,000, indicating continued improvement in the labor market. Continuing claims of 2.14 million for the week ended August 27th fell by 7,000, furthering the trend of slowly tightening labor conditions.

## Talking Points

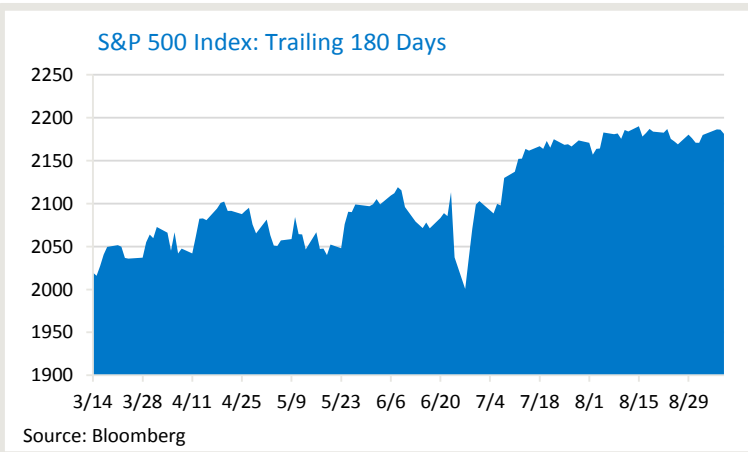
- **Among equities,** International – and particularly Emerging Markets – led the charge into positive territory, while U.S. equities had marginally negative returns.
- **Treasury yields increased** toward the end of the week, with longer maturities suffering greater losses than the short end of the curve.
- **The US Dollar strengthened** against a basket of major trade partners' currencies. The dollar index is currently in the middle of its trailing 12-month range.
- **Commodities are up,** Crude oil soared on Thursday, hitting a 2-week high, although it had a slight pullback on Friday.
- **In other economic news:** The Energy Information Administration (EIA) announced that crude oil inventories dropped by a sharp 14.5 million barrels in the week ended September 2nd. By contrast, natural gas inventories rose by 36 billion cubic feet in the same week.

## Market Dashboard

	Last Price	Change	% Chg.	YTD %
<b>S&amp;P 500</b>	2,127.81	-52.17	-2.39%	4.1%
<b>Dow Industrials</b>	18,085.45	-406.51	-2.20%	3.8%
<b>Nasdaq</b>	5,125.91	-123.99	-2.36%	2.4%
<b>Russell 2000</b>	1,219.21	-32.62	-2.61%	7.3%
<b>Euro Stoxx Index</b>	345.52	-4.92	-1.40%	-5.5%
<b>Shanghai Composite</b>	3,078.86	11.50	0.38%	-13.0%
<b>Russell Global</b>	1,766.97	16.07	0.92%	6.5%

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

	Last Price	Change	% Chg.	YTD %
<b>Russell Global EM</b>	2,931.25	83.17	2.92%	15.5%
<b>10-Year US Treas.</b>	1.67	8 bps	NM	NM
<b>DJ UBS Comm. Idx.</b>	84.02	1.04	1.25%	7.0%
<b>Gold</b>	\$1,328.02	\$3.64	0.27%	25.2%
<b>Crude Oil</b>	\$45.65	\$1.20	2.70%	6.5%
<b>Dollar Index</b>	95.31	-0.49	-0.51%	-3.3%
<b>VIX Index</b>	17.50	5.52	46.08%	-3.9%



	One Week			YTD		
	Value	Growth		Value	Growth	
<b>L</b>	-1.97%	-2.23%	-2.47%	5.09%	3.36%	1.78%
	-2.51%	-2.85%	-3.24%	9.43%	6.39%	3.37%
<b>S</b>	-2.53%	-2.61%	-2.68%	10.97%	7.34%	3.74%

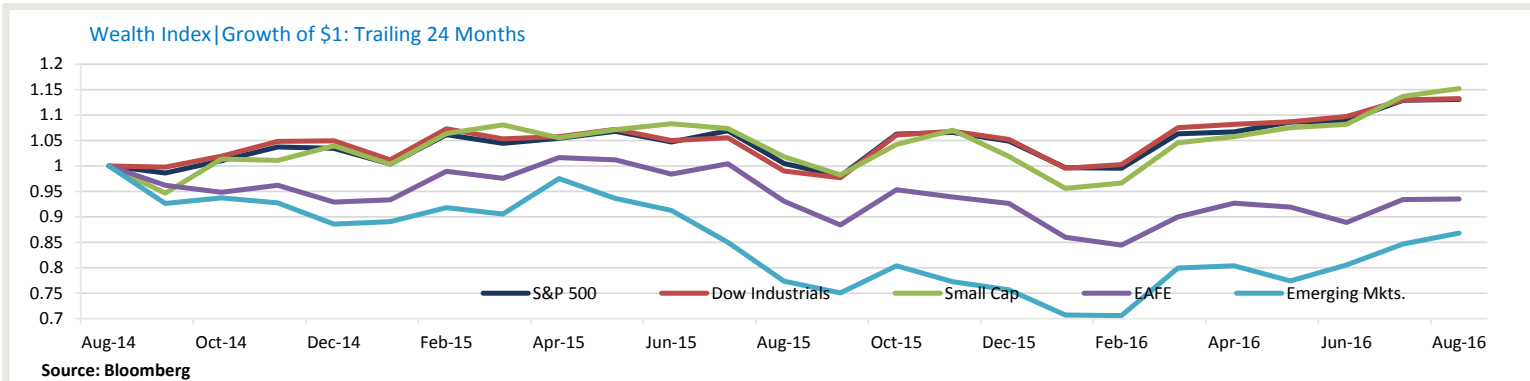
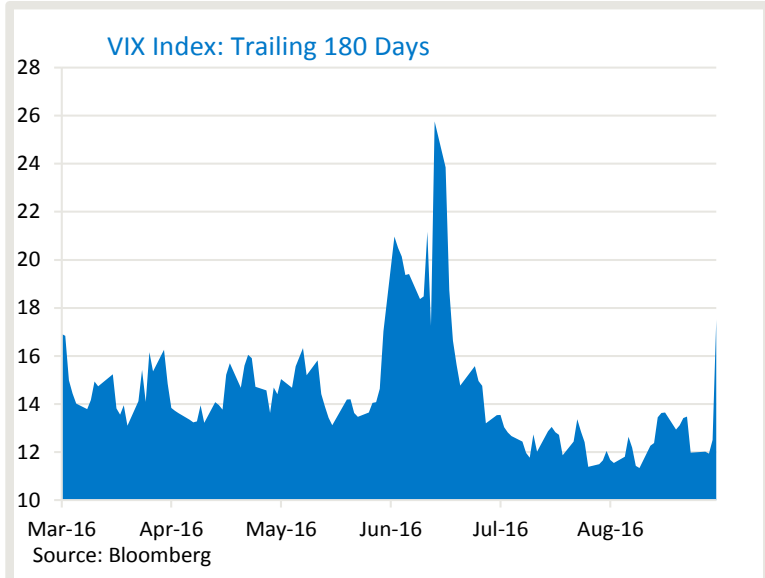
Source: Bloomberg

### Sector Performance:

#### S&P/Global Industry Classification Sectors (GICS)

	% Wgt in S&P 500	Week % Chg.	YTD % Chg.
<b>Consumer Discretionary</b>	12.5	-3.06%	0.0%
<b>Consumer Staples</b>	9.9	-3.87%	3.9%
<b>Energy</b>	7.2	0.66%	14.1%
<b>Financials</b>	16.3	-2.21%	0.5%
<b>Health Care</b>	14.7	-1.62%	-1.1%
<b>Industrials</b>	9.8	-3.03%	6.4%
<b>Information Technology</b>	20.7	-2.51%	6.6%
<b>Materials</b>	2.9	-3.59%	8.5%
<b>Telecom Services</b>	2.7	-2.49%	12.7%
<b>Utilities</b>	3.2	-2.44%	11.1%

Source: Bloomberg



## The Economy and Markets

### ***A Macro View – Real Estate is in the House***

In November 2014, S&P Dow Jones Indices and MSCI Inc. issued a press release announcing the creation of an 11th sector under the Global Classification Standard (GICS) structure. That sector, Real Estate, was implemented last week—marking the first time the GICS structure has been updated since it was created in 1999. Although the impact of this decision will play out over time, it now is clear that Real Estate Investment Trusts (REITs) have found their own home.

Formerly housed under Financials, the Real Estate sector will include equity REITs (REITs that own physical property), as well as real estate management and development companies. Mortgage REITs (REITs that comprise mortgage-backed securities) will remain within the Financials sector. The most immediate impact of this decision is its effect on various benchmarks widely used by investors. For example, the S&P 500 will include the Real Estate sector in its asset allocation beginning September 16. This will result in a 3.23% weight for Real Estate within the S&P 500 moving forward—which is greater than both Telecommunication Services and Materials. The market weight for Financials, on the other hand, will dip from 15.75% to 12.52%, and will rank below Healthcare as the second-largest sector within the index. The impact on many smaller cap indices—in which REITs make up a greater percentage of publicly-traded companies—is likely to be even more profound.

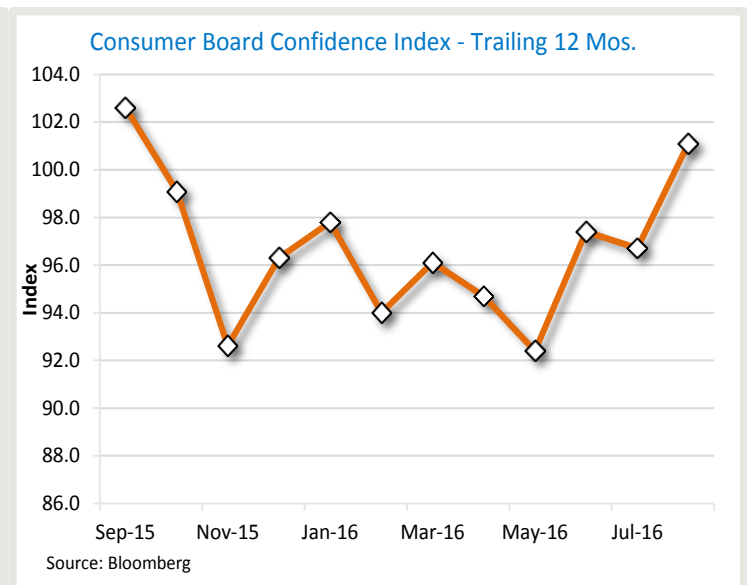
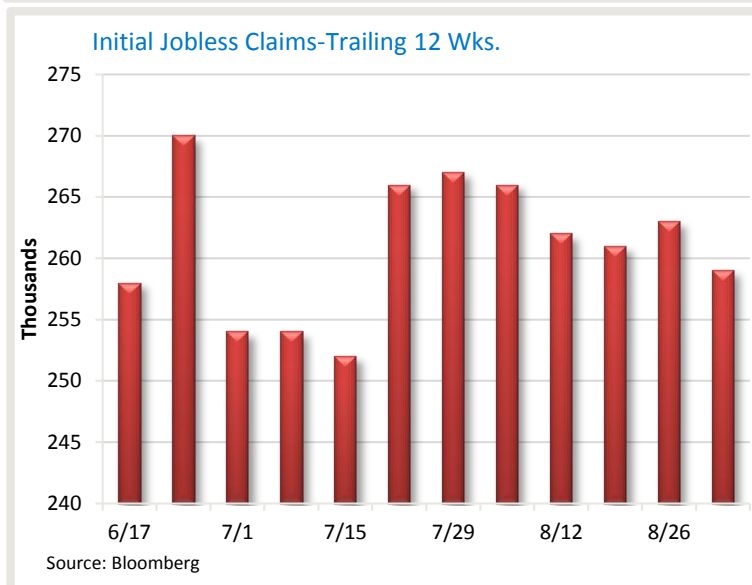
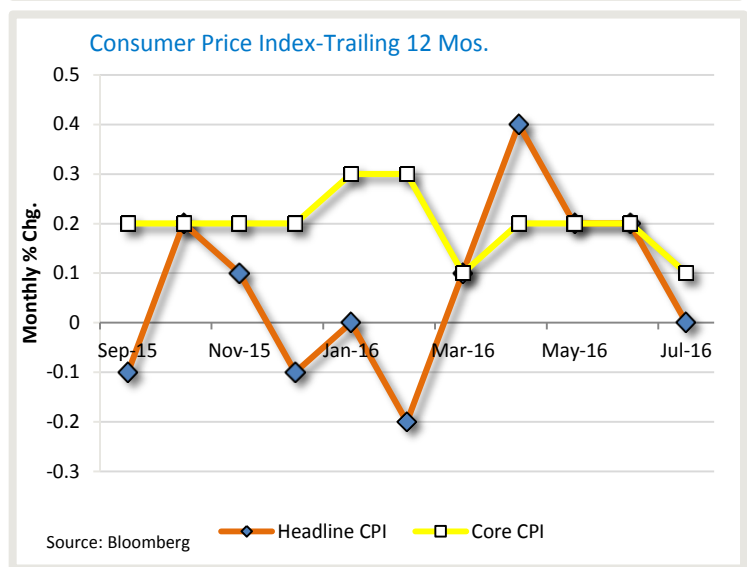
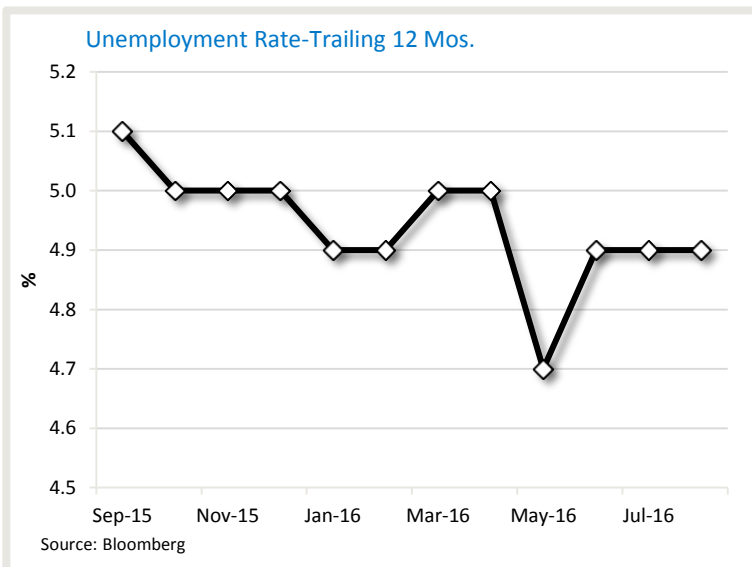
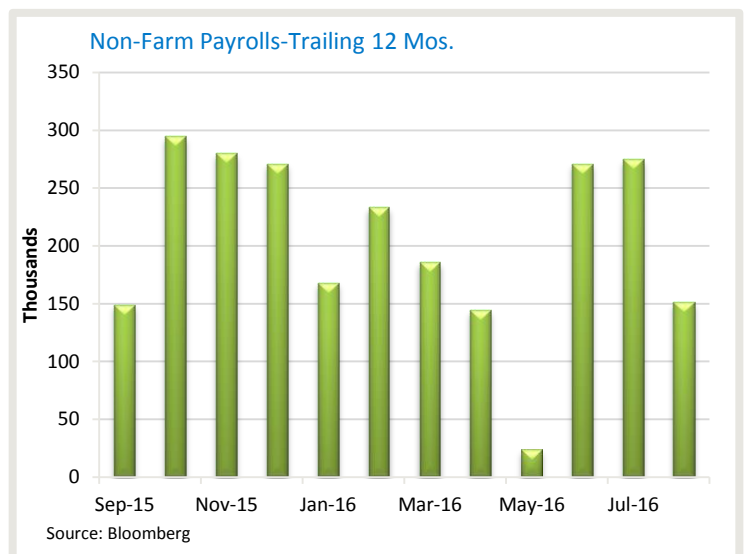
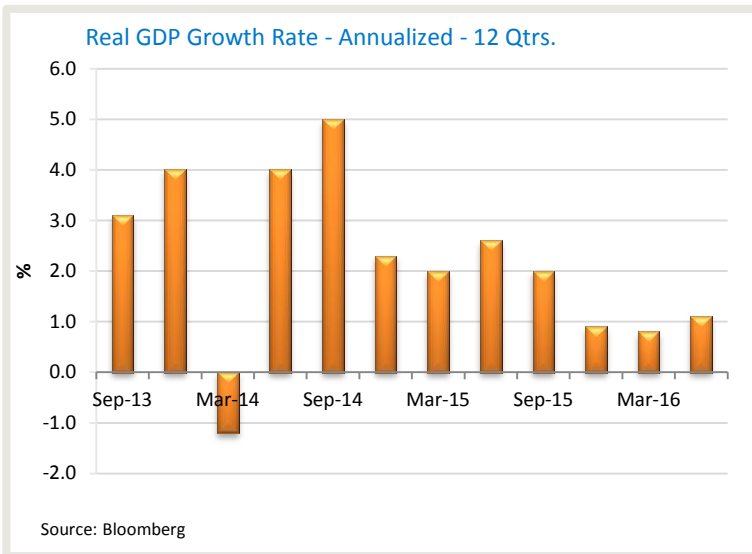
Asset managers undoubtedly will be forced to rehash how they both view the Real Estate sector and implement REITs in their portfolios. Historically, many asset managers and investors alike have underweighted REITs, since they were not deliberately carved out within their benchmarks. That is, a benchmark-aware investor could avoid REITs altogether by investing in enough financial stocks to remain sector-neutral. As asset managers who once underweighted real estate in portfolios begin to change their tune, demand for REITS could increase significantly, and potentially be a boon for the sector as a whole.

Whereas the increase in demand seems a foregone conclusion, investors should remain wary. Adding the Real Estate sector to the major indices also makes REITs far more visible than when they were hidden within Financials. Analysts and stock pickers often neglected REITs because they failed to understand that traditional accounting metrics do not accurately reflect REIT valuations. Ratios such as price-to-earnings (P/E) or earnings per share (EPS) do not apply nearly as well as either price-to-funds from operations (FFO) or the capitalization rate for REITS. This increased visibility is likely to result in increased scrutiny as analysts and portfolio managers are forced to become more familiar with REITs. As Wall Street shifts its focus to the new Real Estate sector, the market for REIT shares could become more efficient—materially changing the risk/return dynamics. For a market area that has outperformed the broader equity market dramatically over the early part of the 21st century, it's anyone's guess as to what this could mean moving forward.

At the end of the day, we can draw one conclusion for certain: Real estate deserves a seat at the table within in a well-diversified portfolio. The asset class has grown tremendously over the past quarter of a century—breaching the \$1 Trillion mark in total equity market capitalization in recent months. S&P and MSCI have responded by offering real estate its own home for the first time.

Tanner Howard  
*Consulting Analyst*

## Economic Data



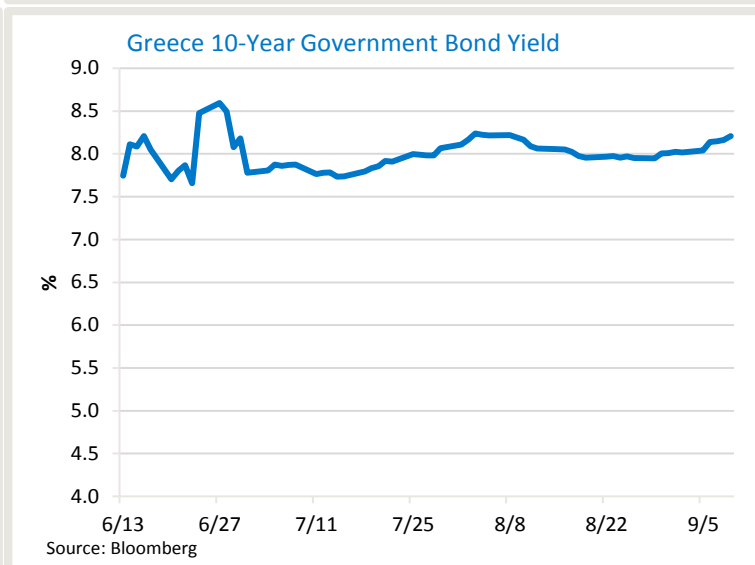
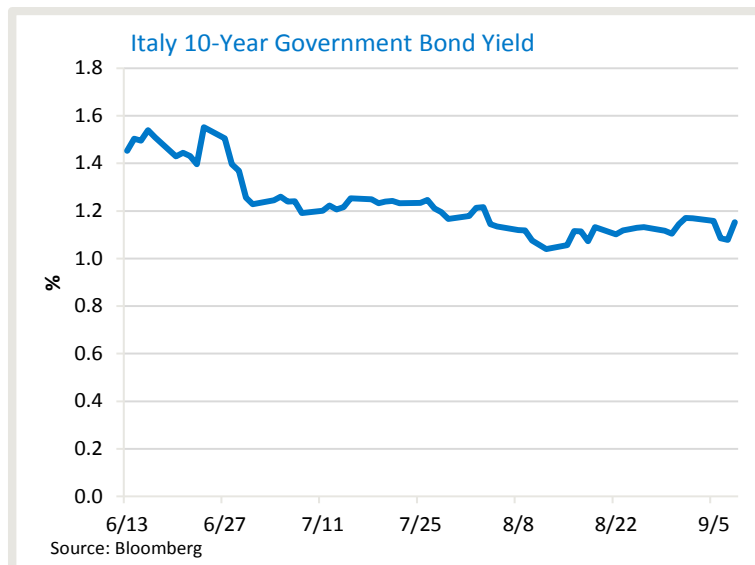
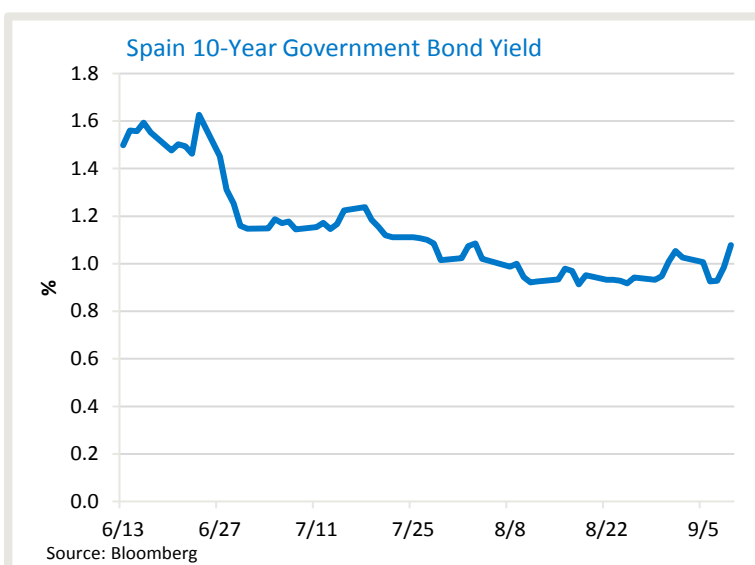
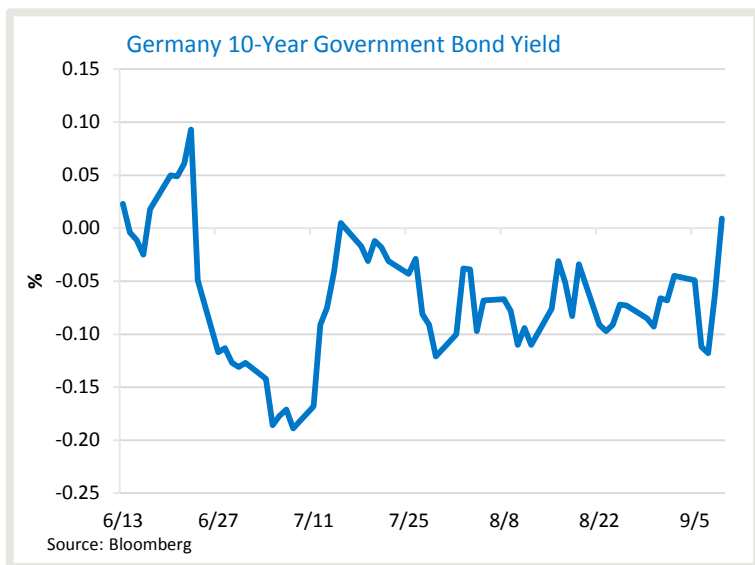
## Eurozone

### SELECTED EUROPEAN SOVEREIGN YIELD PERFORMANCE

	Last	Change	% Chg.	YTD %
Germany 10-Yr. Govt.	0.01	-5 bps	NM	NM
Greece 10-Yr. Govt.	8.21	-10 bps	NM	NM
Italy 10-Yr. Govt.	1.25	-7 bps	NM	NM
Spain 10-Yr. Govt.	1.08	-5 bps	NM	NM
Belgium 10-Yr. Govt.	0.23	-5 bps	NM	NM

	Last	Change	% Chg.	YTD %
France 10-Yr. Govt.	0.30	-5 bps	NM	NM
Ireland 10-Yr. Govt.	0.46	0 bps	NM	NM
Portugal 10-Yr. Govt.	3.15	-10 bps	NM	NM
Netherlands 10-Yr. Govt.	0.11	-5 bps	NM	NM
U.K. 10-Yr. Govt.	0.86	-13 bps	NM	NM

Source: Bloomberg  
Basis points (bps)



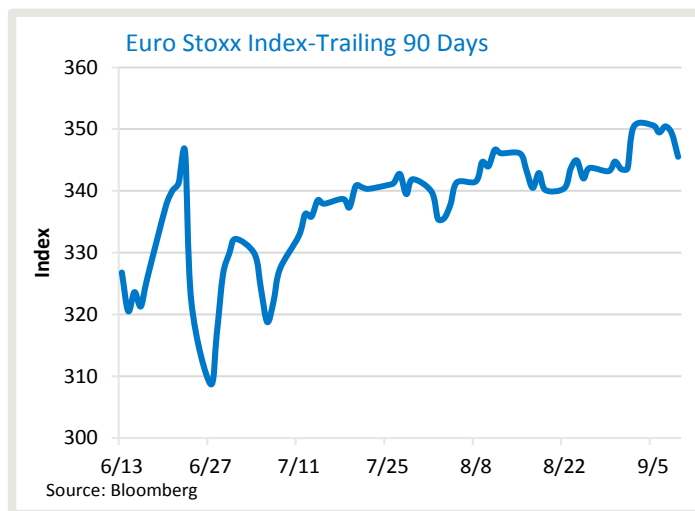
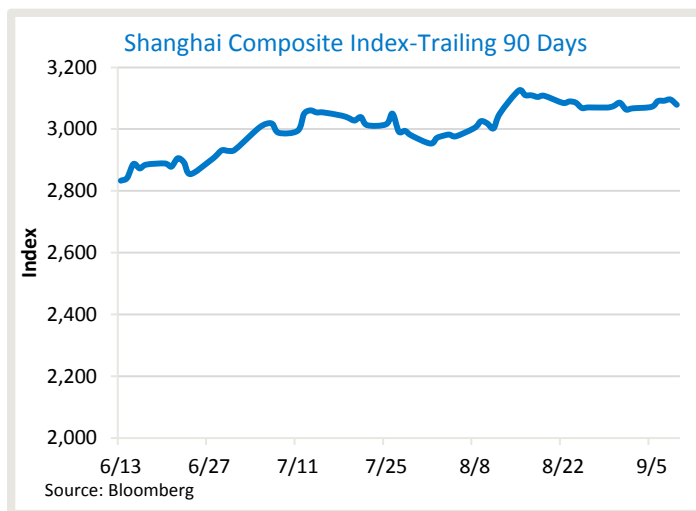
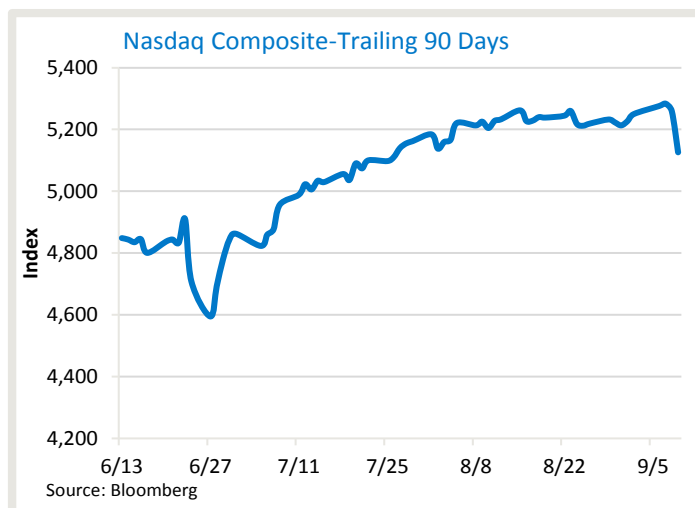
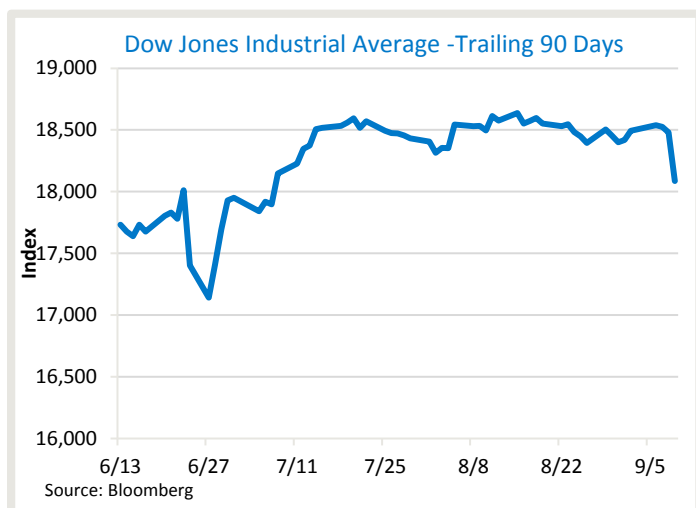
## Equities

### WORLD MARKET PERFORMANCE

	Last	Change	% Chg.	YTD %
<b>S&amp;P 500</b>	<b>2,127.81</b>	<b>-52.17</b>	<b>-2.39%</b>	<b>4.10%</b>
<b>Dow Industrials</b>	<b>18,085.45</b>	<b>-406.51</b>	<b>-2.20%</b>	<b>3.79%</b>
<b>Nasdaq Composite</b>	<b>5,125.91</b>	<b>-123.99</b>	<b>-2.36%</b>	<b>2.37%</b>
<b>Russell Global</b>	<b>1,766.97</b>	<b>16.07</b>	<b>0.92%</b>	<b>6.5%</b>
<b>Russell Global EM</b>	<b>2,931.25</b>	<b>83.17</b>	<b>2.92%</b>	<b>15.5%</b>
<b>S&amp;P/TSX (Canada)</b>	<b>14,539.88</b>	<b>-255.82</b>	<b>-1.73%</b>	<b>11.76%</b>
<b>Mexico IPC</b>	<b>46,459.17</b>	<b>-1328.82</b>	<b>-2.78%</b>	<b>8.10%</b>
<b>Brazil Bovespa</b>	<b>57,999.73</b>	<b>-1616.67</b>	<b>-2.71%</b>	<b>33.79%</b>
<b>Euro Stoxx 600</b>	<b>345.52</b>	<b>-4.92</b>	<b>-1.40%</b>	<b>-5.55%</b>
<b>FTSE 100</b>	<b>6,776.95</b>	<b>-117.65</b>	<b>-1.71%</b>	<b>8.56%</b>
<b>IBEX 35 (Spain)</b>	<b>9,025.50</b>	<b>116.60</b>	<b>1.31%</b>	<b>-5.43%</b>

	Last	Change	% Chg.	YTD %
<b>Swiss Market Index</b>	<b>8,264.13</b>	<b>-30.17</b>	<b>-0.36%</b>	<b>-6.28%</b>
<b>CAC 40 Index (France)</b>	<b>4,491.40</b>	<b>-50.77</b>	<b>-1.12%</b>	<b>-3.14%</b>
<b>DAX Index (Germany)</b>	<b>10,573.44</b>	<b>-110.38</b>	<b>-1.03%</b>	<b>-1.58%</b>
<b>Irish Overall Index</b>	<b>6,182.62</b>	<b>-116.69</b>	<b>-1.85%</b>	<b>-8.97%</b>
<b>Nikkei 225</b>	<b>16,965.76</b>	<b>40.08</b>	<b>0.24%</b>	<b>-10.86%</b>
<b>Hang Seng Index</b>	<b>24,099.70</b>	<b>833.00</b>	<b>3.58%</b>	<b>9.97%</b>
<b>Shanghai Composite</b>	<b>3,078.86</b>	<b>11.50</b>	<b>0.38%</b>	<b>-13.01%</b>
<b>Kospi Index (S. Korea)</b>	<b>2,037.87</b>	<b>-0.44</b>	<b>-0.02%</b>	<b>3.90%</b>
<b>Taiwan Taiex Index</b>	<b>9,164.88</b>	<b>177.33</b>	<b>1.97%</b>	<b>9.92%</b>
<b>Tel Aviv 25 Index</b>	<b>1,458.46</b>	<b>13.38</b>	<b>0.93%</b>	<b>-4.60%</b>
<b>MICEX Index (Russia)</b>	<b>2,028.25</b>	<b>24.48</b>	<b>1.22%</b>	<b>15.15%</b>

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



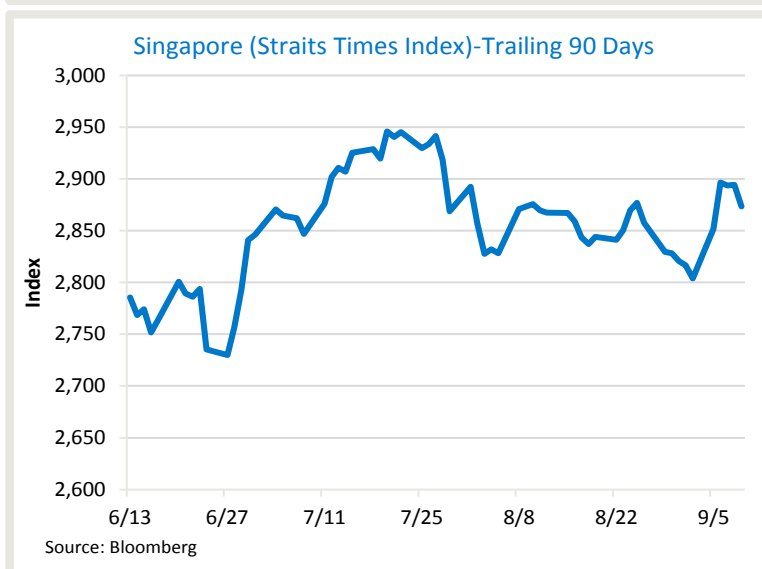
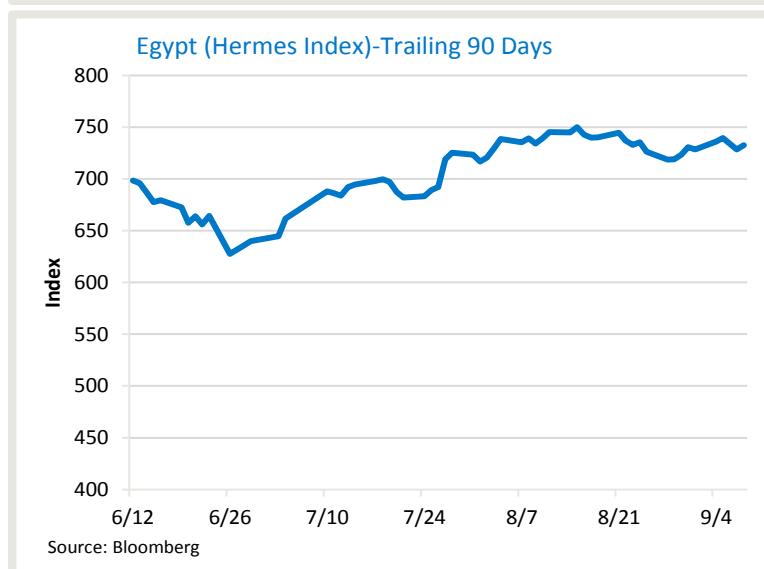
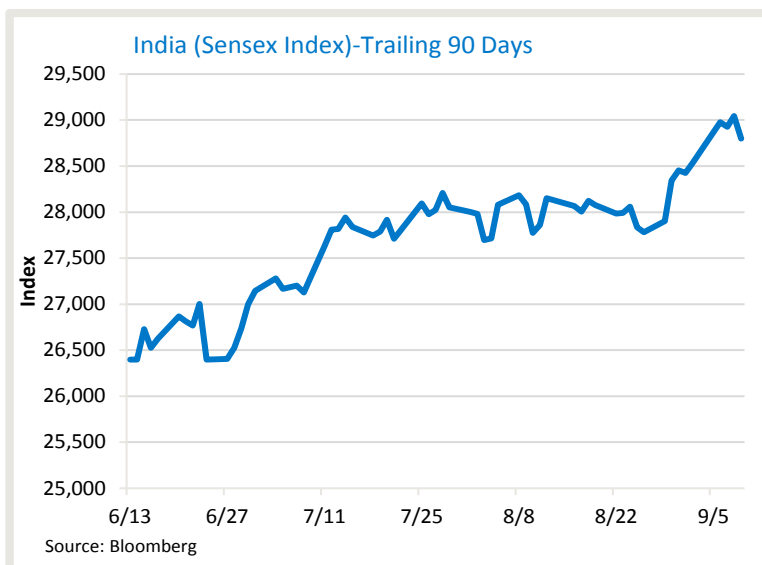
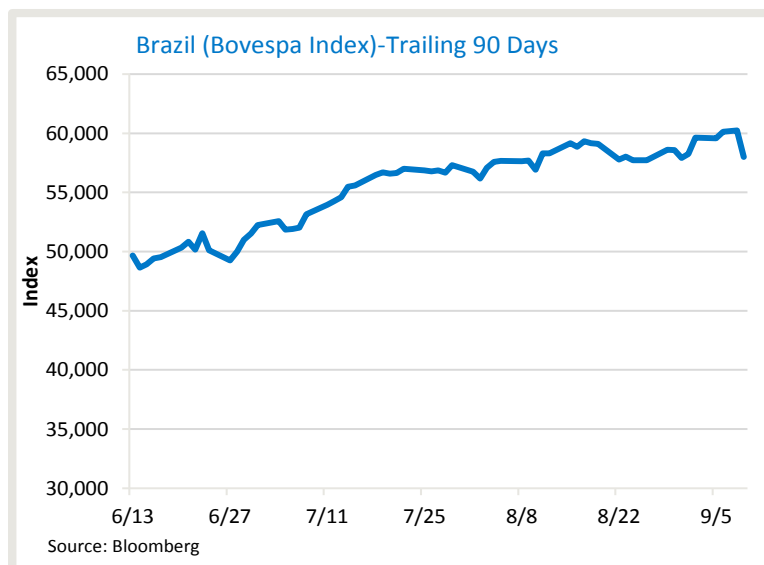
## Equities – Emerging and Frontier Markets

### EMERGING AND FRONTIER MARKET PERFORMANCE

	Last	Change	% Chg.	YTD %
Mexico IPC	46,459.17	-1328.82	-2.8%	8.1%
Brazil (Bovespa Index)	57,999.73	-1616.67	-2.7%	33.8%
MICEX Index (Russia)	2,028.25	24.48	1.2%	15.2%
Czech Republic (Prague)	879.83	4.12	0.5%	-8.0%
Turkey (Istanbul)	77,053.54	169.22	0.2%	7.4%
Egypt (Hermes Index)	732.61	4.12	0.6%	16.2%
Kenya (Nairobi 20 Index)	3,208.25	20.38	0.6%	-20.6%
Saudi Arabia (TASI Index)	6,176.53	154.72	2.6%	-10.6%
Lebanon (Beirut BLOM Index)	1,145.49	1.79	0.2%	-2.1%
Palestine	524.72	10.65	2.1%	-1.5%

	Last	Change	% Chg.	YTD %
Hang Seng Index	24,099.70	833.00	3.6%	10.0%
India (Sensex 30)	28,797.25	265.14	0.9%	10.3%
Malaysia (KLCI Index)	1,686.44	14.65	0.9%	-0.4%
Singapore (Straits Times Index)	2,873.33	69.41	2.5%	-0.3%
Thailand (SET Index)	1,445.28	-76.20	-5.0%	12.2%
Indonesia (Jakarta)	5,281.92	-71.54	-1.3%	15.0%
Pakistan (Karachi KSE 100)	40,340.23	875.58	2.2%	22.9%
Vietnam (Ho Chi Minh)	666.88	-2.31	-0.3%	15.2%
Sri Lanka (Colombo)	6,494.86	-44.23	-0.7%	-5.8%
Cambodia (Laos)	1,000.08	2.29	0.2%	-14.8%

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

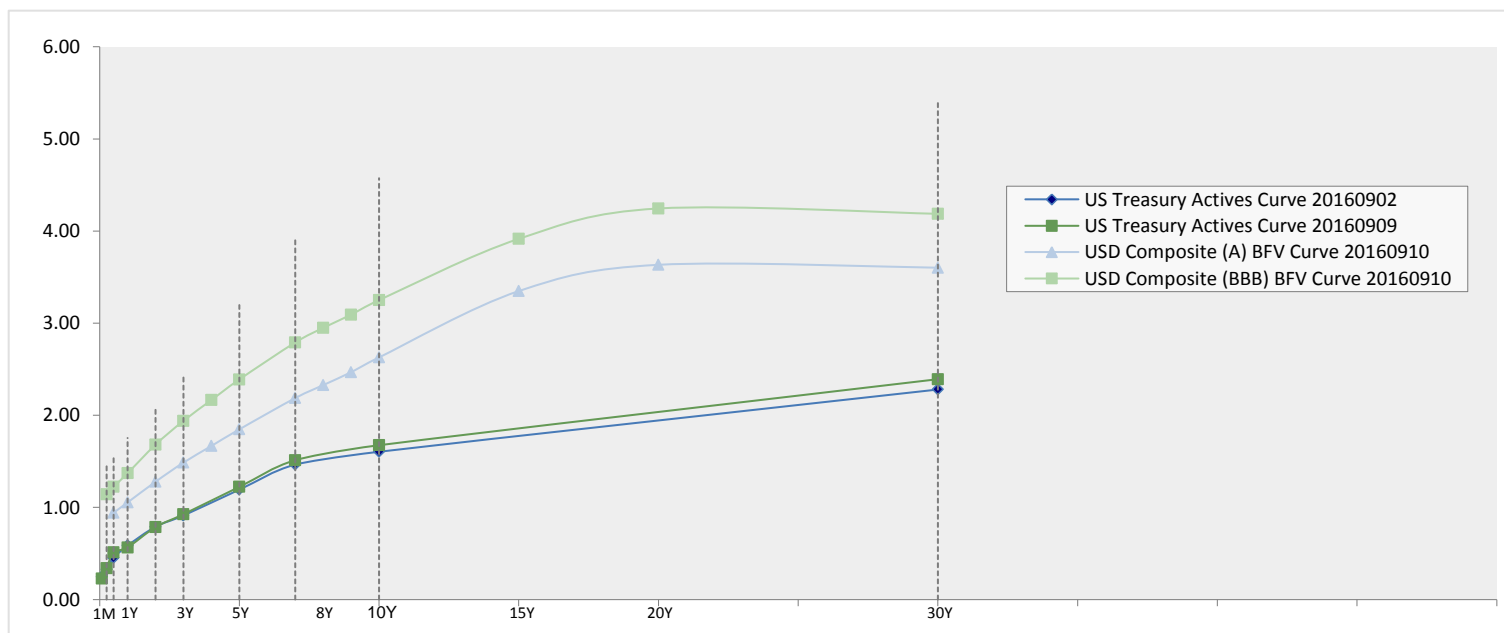


## Interest Rates

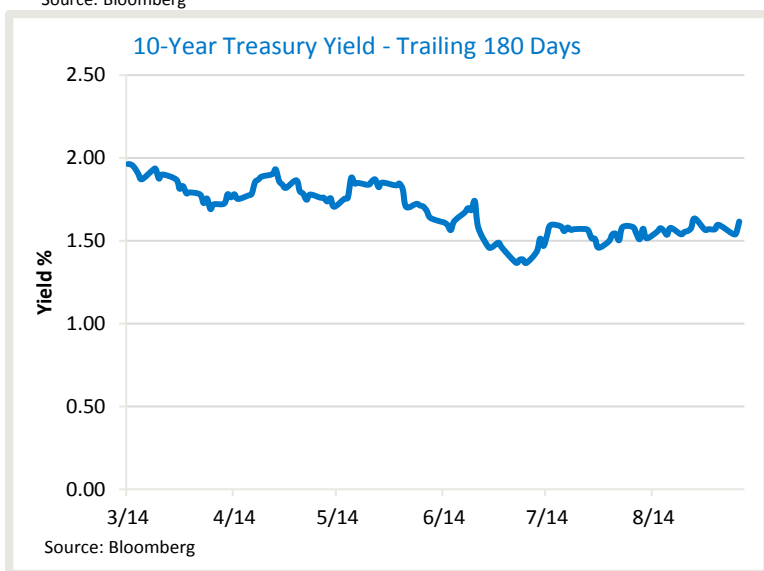
SELECTED INTEREST RATES

	Last	Change	% Chg.	YTD %		Last	Change	% Chg.	YTD %
2-Yr. U.S. Treasury	0.78%	0 bps	NM	NM	Prime Rate	3.50%	0.00	NM	NM
5-Yr. U.S. Treasury	1.22%	3 bps	NM	NM	Fed Funds Rate	0.50%	0.00	NM	NM
10-Yr. U.S. Treasury	1.67%	8 bps	NM	NM	Discount Rate	1.00%	0.00	NM	NM
30-Yr. U.S. Treasury	2.39%	12 bps	NM	NM	LIBOR (3 Mo.)	0.85%	1 bps	NM	NM
German 10-Yr. Govt.	0.01%	-5 bps	NM	NM	Bond Buyer 40 Muni	2.72%	1 bps	NM	NM
France 10-Yr.	0.30%	-5 bps	NM	NM	Bond Buyer 40 G.O.	2.83%	NA	NM	NM
Italy 10-Yr.	1.25%	-7 bps	NM	NM	Bond Buyer 40 Rev.	3.05%	NA	NM	NM
Fed 5-Yr Fwd BE Inf.	1.51%	1 bps	NM	NM					

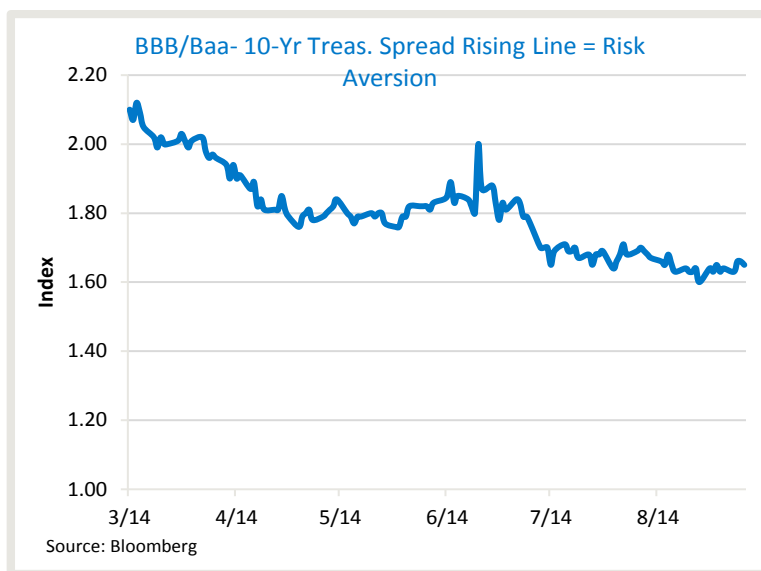
Source: Bloomberg



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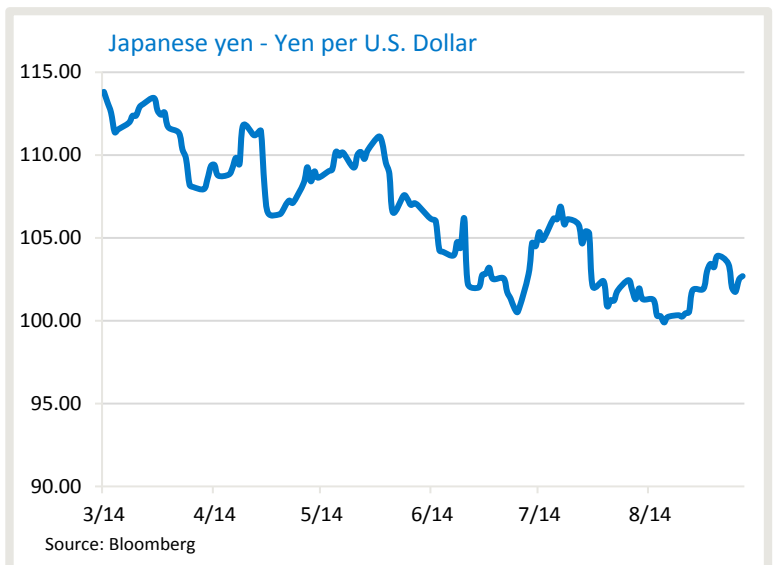
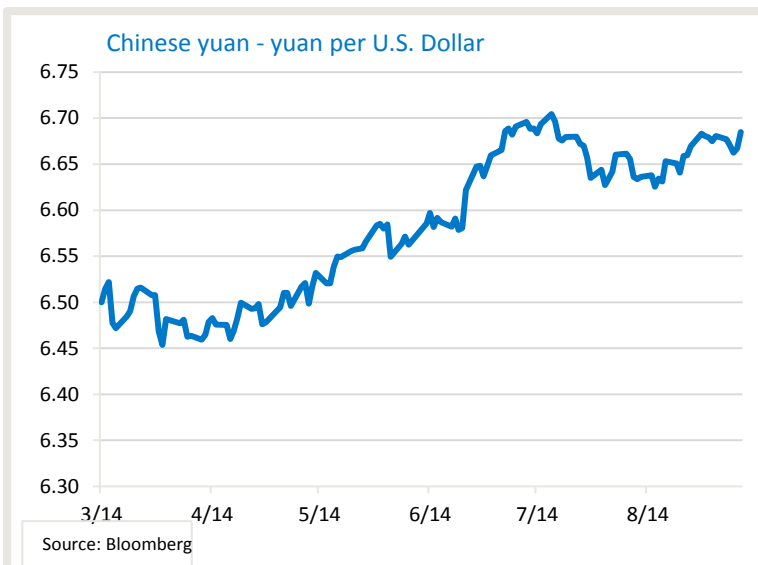
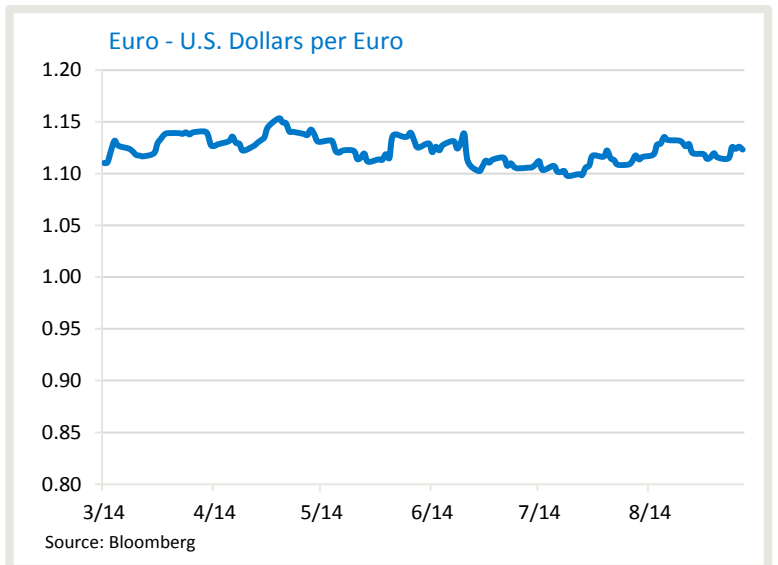
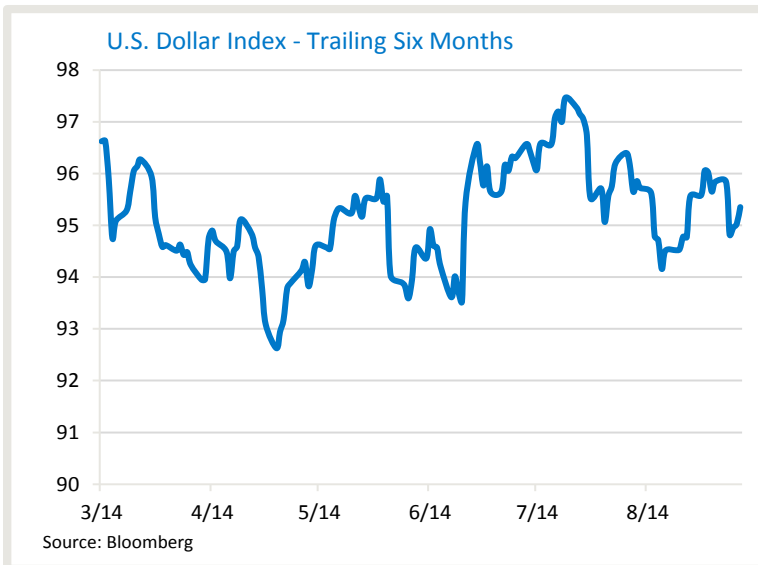
## Currencies

### SELECTED CURRENCY PERFORMANCE

	Last	Change	% Chg.	YTD %
<b>Dollar Index</b>	<b>95.31</b>	<b>-0.490</b>	<b>-0.51%</b>	<b>-3.32%</b>
<b>Euro</b>	<b>1.12</b>	<b>0.008</b>	<b>0.68%</b>	<b>3.41%</b>
<b>Japanese Yen</b>	<b>102.70</b>	<b>-1.240</b>	<b>1.21%</b>	<b>17.08%</b>
<b>British Pound</b>	<b>1.33</b>	<b>-0.002</b>	<b>-0.15%</b>	<b>-9.92%</b>
<b>Canadian Dollar</b>	<b>1.30</b>	<b>0.004</b>	<b>-0.31%</b>	<b>6.18%</b>

	Last	Change	% Chg.	YTD %
<b>Chinese Yuan</b>	<b>6.69</b>	<b>0.005</b>	<b>-0.07%</b>	<b>-2.86%</b>
<b>Swiss Franc</b>	<b>0.98</b>	<b>-0.006</b>	<b>0.57%</b>	<b>2.75%</b>
<b>New Zealand Dollar</b>	<b>0.73</b>	<b>0.004</b>	<b>0.51%</b>	<b>7.20%</b>
<b>Brazilian Real</b>	<b>3.27</b>	<b>0.017</b>	<b>-0.51%</b>	<b>20.99%</b>
<b>Mexican Peso</b>	<b>18.89</b>	<b>0.320</b>	<b>-1.69%</b>	<b>-8.95%</b>

Source: Bloomberg



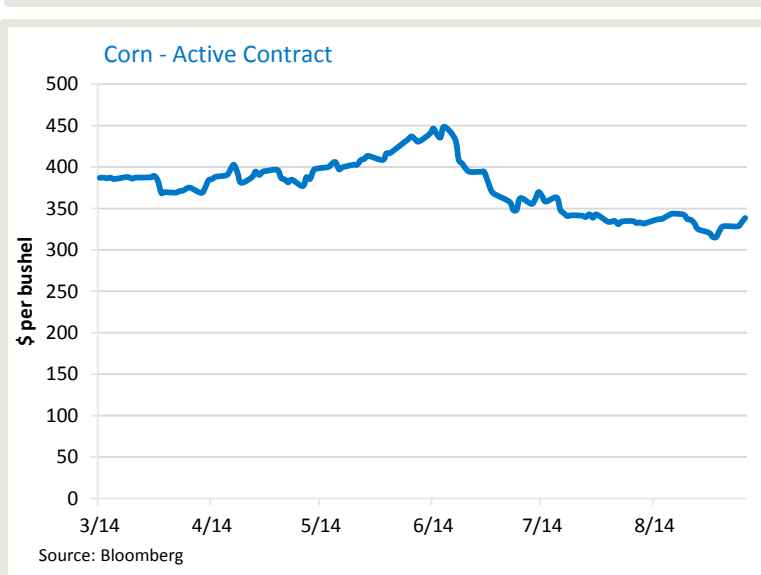
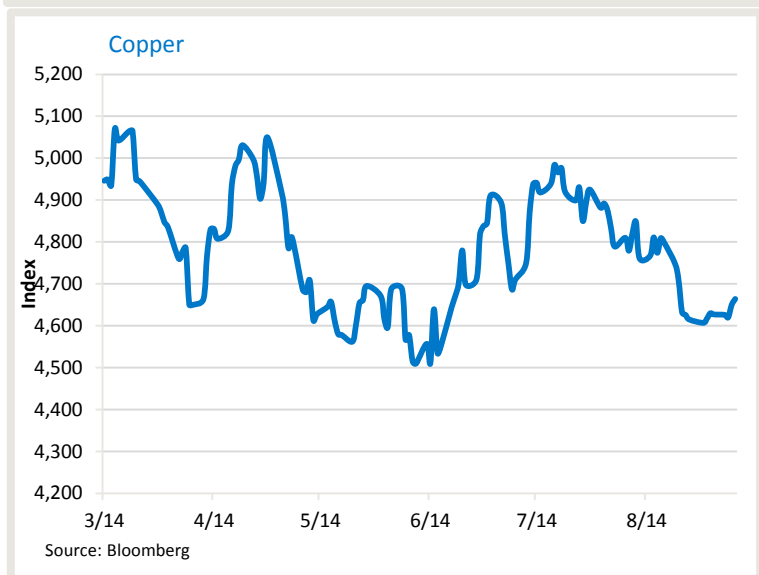
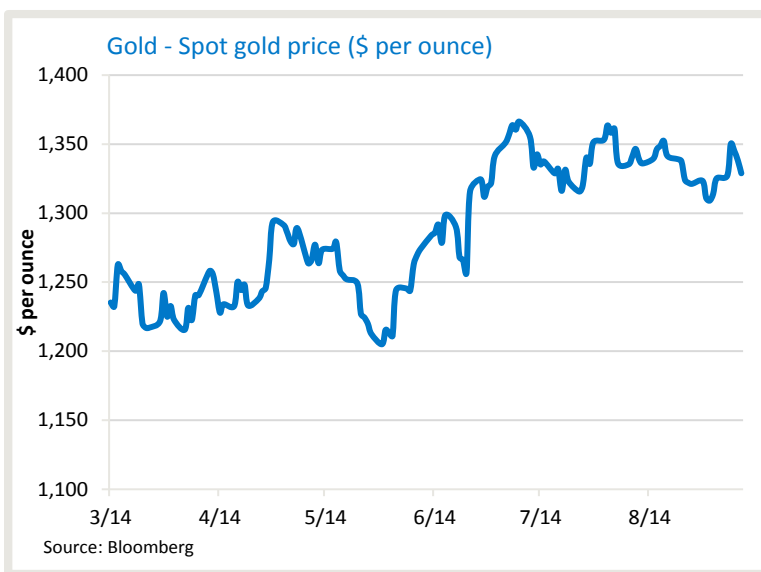
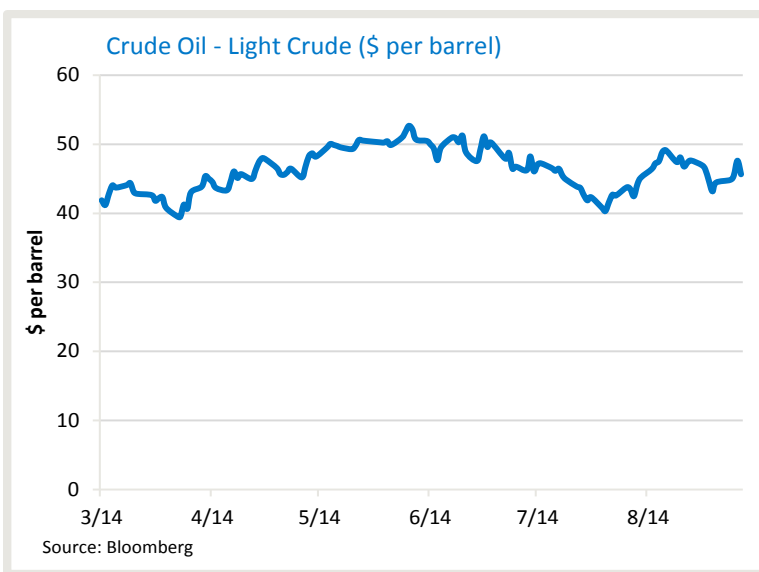
## Commodities

### SELECTED COMMODITY MARKET PERFORMANCE

	Last	Change	% Chg.	YTD %
<b>Bloomberg Comm. Idx.</b>	<b>84.02</b>	<b>1.04</b>	<b>1.25%</b>	<b>6.96%</b>
<b>Crude Oil</b>	<b>\$45.68</b>	<b>\$1.20</b>	<b>2.70%</b>	<b>6.46%</b>
<b>Natural Gas</b>	<b>\$2.79</b>	<b>\$0.00</b>	<b>0.00%</b>	<b>9.71%</b>
<b>Gasoline (\$/Gal.)</b>	<b>\$2.18</b>	<b>-\$0.03</b>	<b>-1.31%</b>	<b>9.32%</b>
<b>Heating Oil</b>	<b>143.24</b>	<b>2.20</b>	<b>1.56%</b>	<b>9.21%</b>
<b>Gold Spot</b>	<b>\$1,328.07</b>	<b>\$3.64</b>	<b>0.27%</b>	<b>25.23%</b>
<b>Silver Spot</b>	<b>\$19.04</b>	<b>-\$0.39</b>	<b>-2.00%</b>	<b>37.63%</b>

	Last	Change	% Chg.	YTD %
<b>Platinum Spot</b>	<b>\$1,062.95</b>	<b>-\$0.04</b>	<b>0.00%</b>	<b>19.32%</b>
<b>Corn</b>	<b>341.00</b>	<b>17.25</b>	<b>5.33%</b>	<b>-10.97%</b>
<b>Wheat</b>	<b>403.50</b>	<b>8.75</b>	<b>2.22%</b>	<b>-20.49%</b>
<b>Soybeans</b>	<b>980.25</b>	<b>36.50</b>	<b>3.87%</b>	<b>11.05%</b>
<b>Sugar</b>	<b>20.69</b>	<b>0.51</b>	<b>2.53%</b>	<b>37.02%</b>
<b>Orange Juice</b>	<b>197.45</b>	<b>4.60</b>	<b>2.39%</b>	<b>36.27%</b>
<b>Aluminum</b>	<b>1,590.50</b>	<b>-3.50</b>	<b>-0.22%</b>	<b>5.54%</b>
<b>Copper</b>	<b>4,664.00</b>	<b>37.00</b>	<b>0.80%</b>	<b>-0.87%</b>

Source: Bloomberg; % change is based on price.

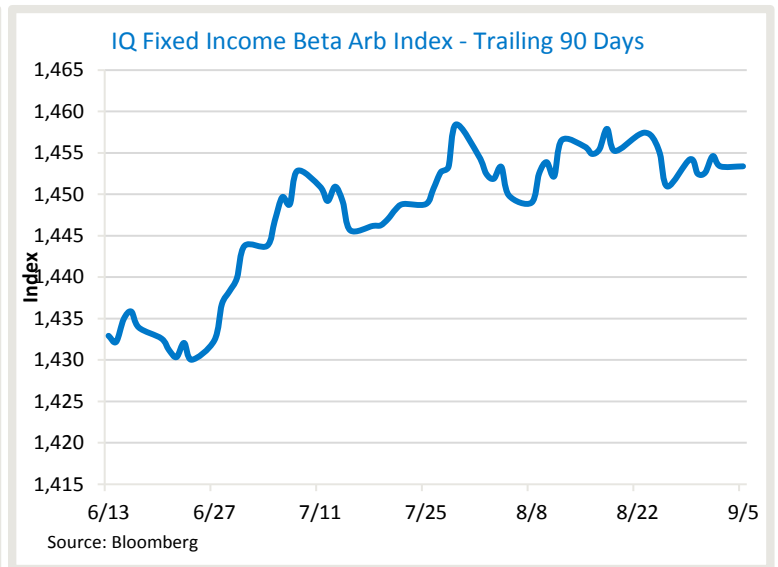
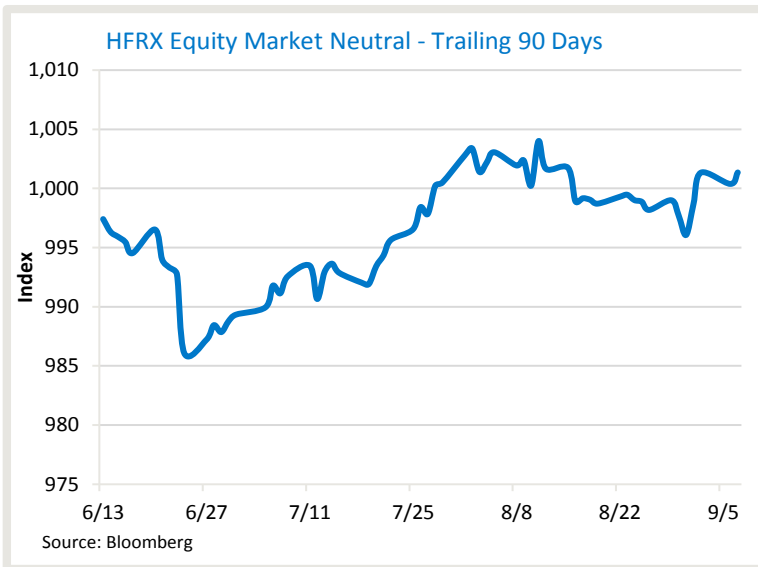
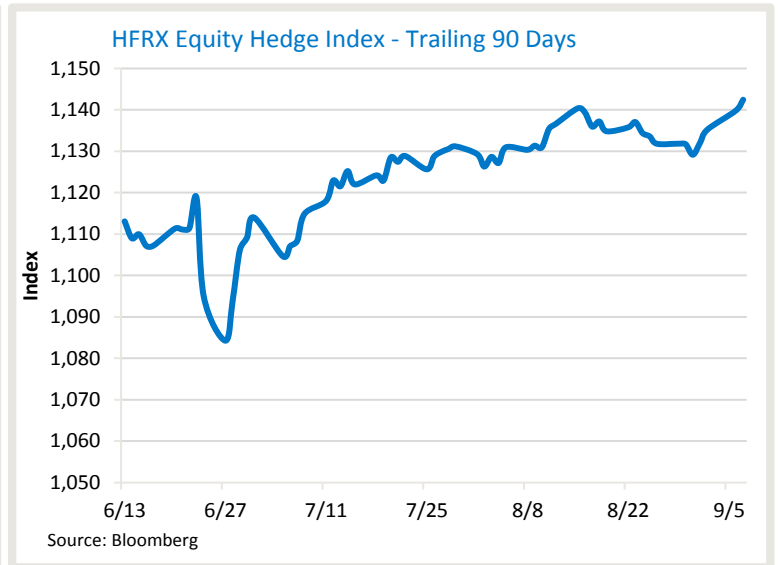
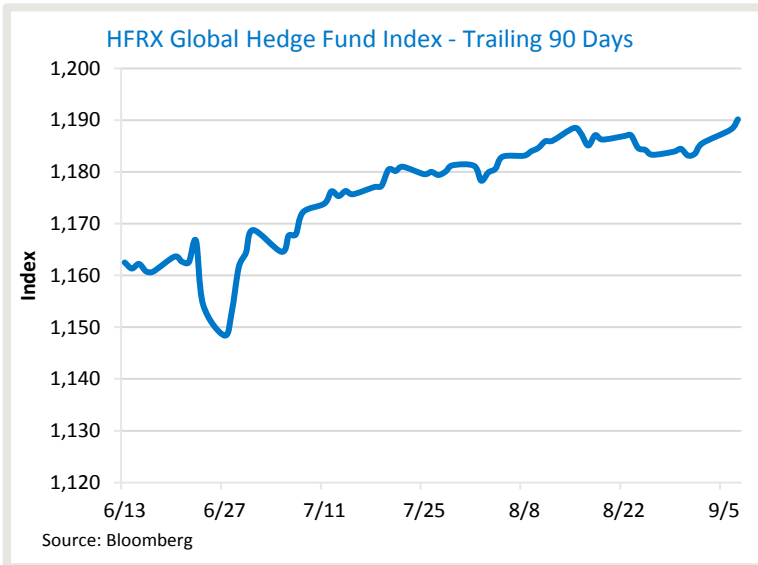


## Alternative Investments

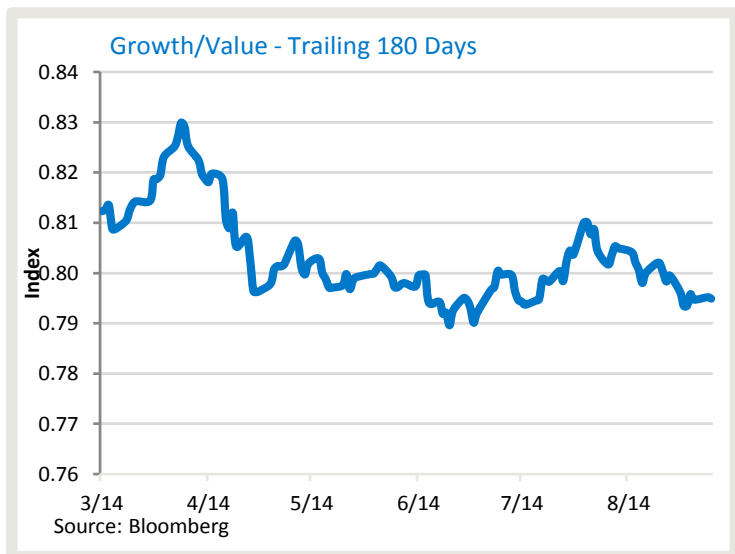
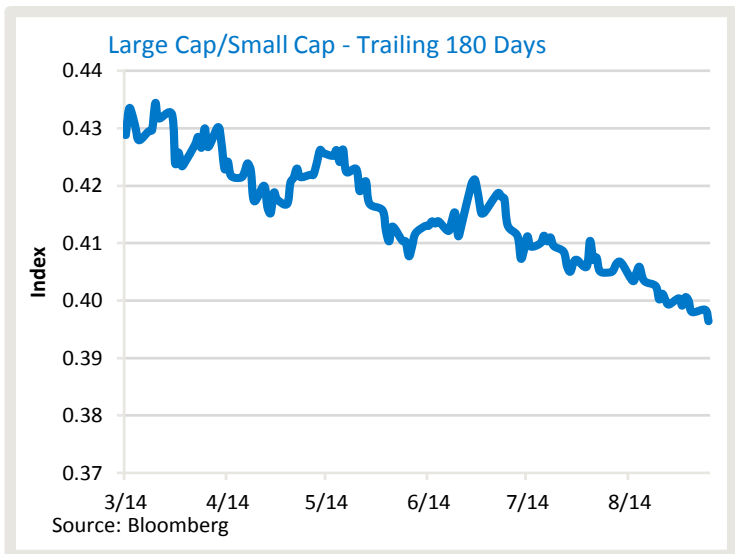
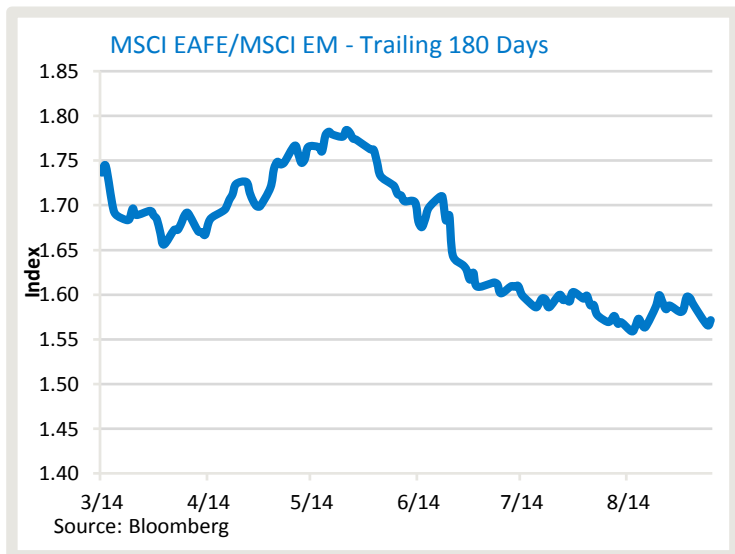
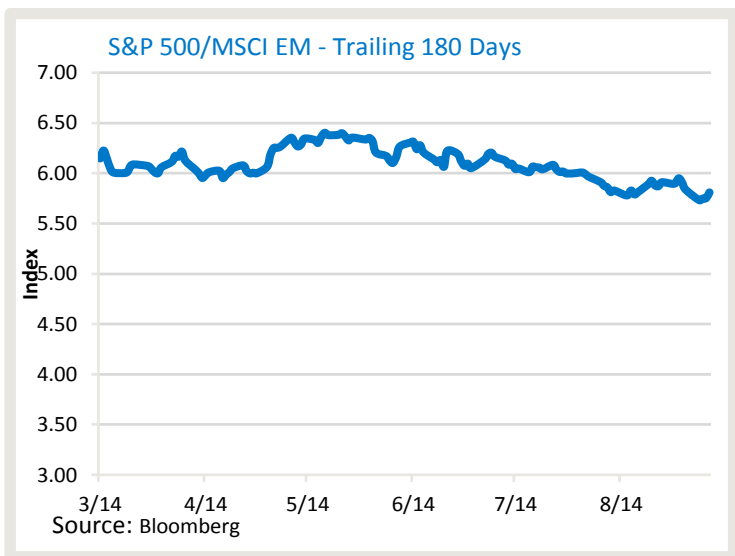
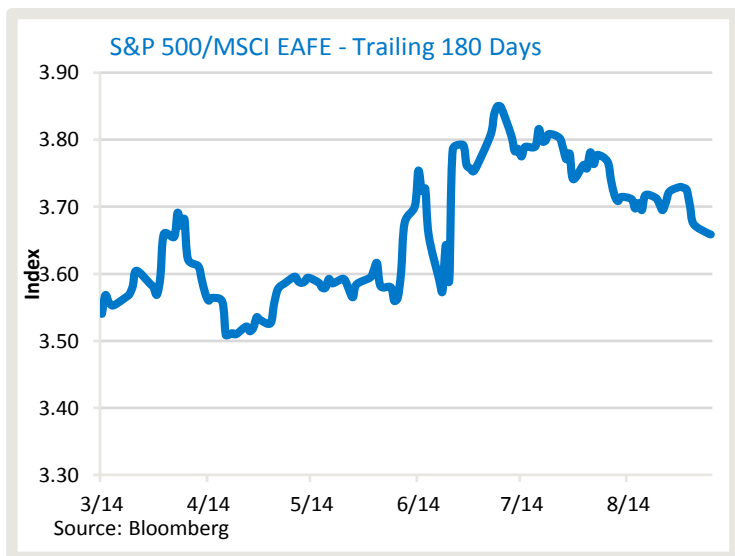
### SELECTED ALTERNATIVE INVESTMENT INDEX PERFORMANCE

	Last	Change	% Chg.	YTD %		Last	Change	% Chg.	YTD %
HFRX Global Hedge Fund Index	1189.96	4.43	0.37%	1.35%	HFRX Distressed Index	1015.29	-1.69	-0.17%	13.28%
HFRX Equity Market Neutral	999.21	-2.12	-0.21%	-3.93%	HFRX Merger Arbitrage Index	1789.32	2.82	0.16%	2.97%
HFRX Equity Hedge Index	1141.81	6.62	0.58%	-1.08%	HFRX Convertible Arbitrage Index	735.65	0.28	0.04%	4.77%
HFRX Event-Driven Index	1516.50	3.32	0.22%	7.68%	HFRX Macro CTA Index	1161.35	6.31	0.55%	-0.71%
HFRX Absolute Return Index	1031.00	1.02	0.10%	0.55%	IQ Fixed Income Beta Arb Index	1447.14	-6.23	-0.43%	4.32%

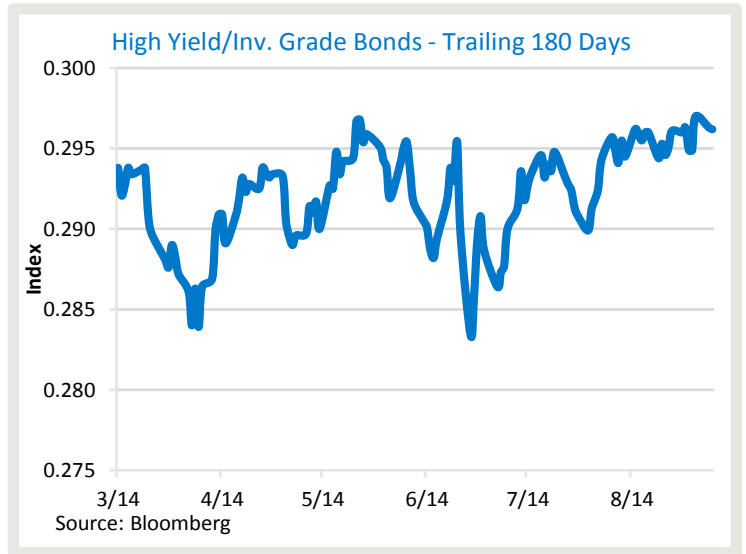
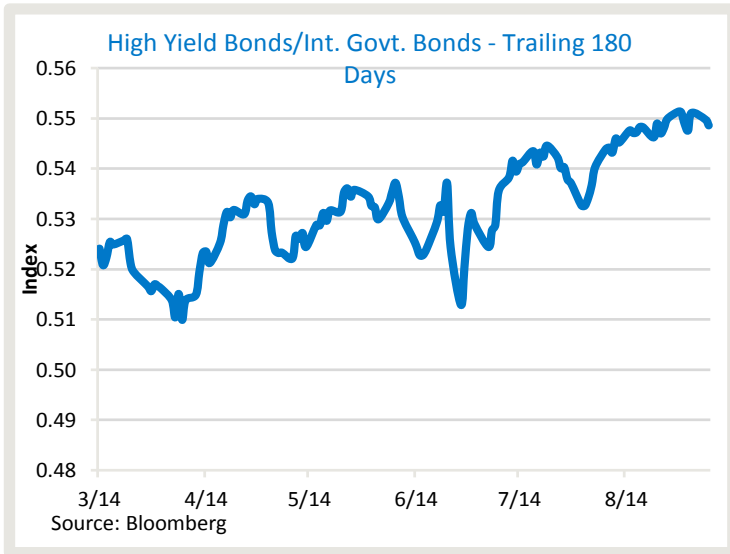
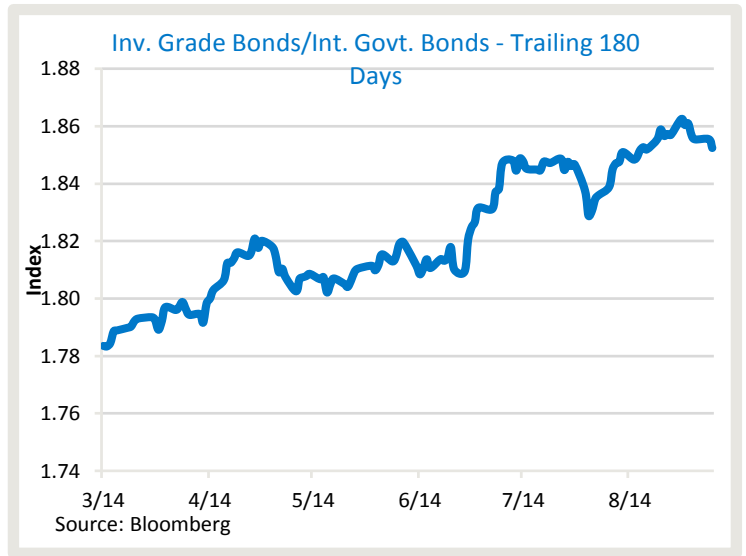
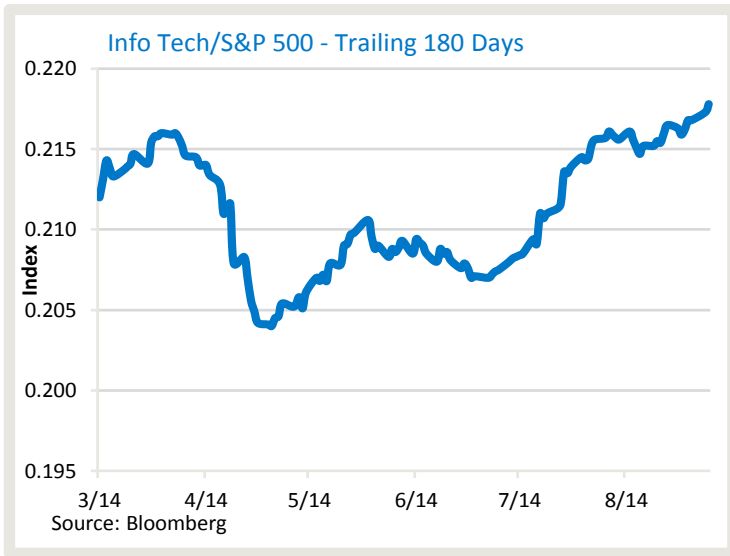
Source: Bloomberg; Index % change is based on price.



## Portfolio Construction



## Portfolio Construction (continued)



WEEKLY ASSET CLASS PERFORMANCE (Prior 12 weeks ending Thursday)

			6/23	6/30	7/7	7/14	7/21	7/28	8/4	8/11	8/18	8/25	9/1	9/8
Equity	Domestic Equity	Large Cap (R200)	1.50%	-0.59%	0.07%	2.98%	0.10%	0.07%	-0.12%	1.01%	-0.04%	-0.70%	0.04%	0.46%
		Small Cap (R2000)	2.09%	-1.73%	-0.19%	4.56%	0.14%	1.12%	-0.29%	1.27%	0.63%	0.26%	-0.02%	1.50%
	Int'l. Equity	MSCI EAFE	7.53%	-4.66%	-1.58%	4.51%	0.16%	0.06%	0.32%	2.69%	-0.02%	-0.34%	-0.45%	2.27%
		MSCI Em. Mkts.	4.46%	-0.16%	-0.85%	4.71%	0.61%	0.50%	0.06%	3.60%	0.97%	-2.00%	-0.78%	4.06%
Fixed Income	BarCap Agg. (AGG)	-0.53%	1.20%	0.41%	-0.36%	-0.14%	0.19%	-0.15%	-0.17%	0.33%	-0.19%	-0.05%	-0.21%	
	High Yield (JNK)	2.06%	0.17%	-0.28%	1.63%	0.17%	-0.66%	-0.06%	1.22%	0.63%	-0.30%	-0.25%	0.25%	
Commodities	Bloomberg Commodity Index	1.27%	0.56%	-3.72%	1.85%	-2.49%	-1.83%	0.61%	0.08%	3.29%	-1.95%	-3.47%	3.71%	
Alternatives	Hedge Funds (HFRX Global)	0.51%	-0.20%	0.31%	0.72%	0.33%	-0.01%	0.05%	0.45%	0.10%	-0.24%	-0.06%	0.54%	
Asset Allocation	60/40*	1.93%	-0.63%	-0.15%	2.21%	0.06%	0.20%	-0.07%	1.02%	0.24%	-0.41%	-0.13%	0.77%	
	48/32/20 (w/Alts.)**	1.65%	-0.54%	-0.06%	1.92%	0.11%	0.16%	-0.05%	0.90%	0.21%	-0.38%	-0.11%	0.72%	

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	1.05	0.97	0.99	1.03	0.98	0.92	0.94	0.91	0.96	0.88	1.05	1.11	1.14	1.01
Large Cap Growth	0.95	1.00	0.92	0.94	0.98	0.93	0.87	0.89	0.87	0.91	0.83	1.00	1.06	1.08	0.96
Large Cap Value	1.03	1.09	1.00	1.03	1.07	1.01	0.95	0.97	0.94	0.99	0.91	1.09	1.15	1.18	1.04
Mid Cap Core	1.01	1.06	0.98	1.00	1.04	0.98	0.93	0.94	0.92	0.96	0.88	1.06	1.12	1.15	1.01
Mid Cap Growth	0.97	1.02	0.94	0.96	1.00	0.94	0.89	0.91	0.88	0.92	0.85	1.02	1.08	1.10	0.97
Mid Cap Value	1.02	1.08	0.99	1.02	1.06	1.00	0.94	0.96	0.94	0.98	0.90	1.08	1.14	1.17	1.03
Small Cap Core	1.09	1.14	1.05	1.08	1.12	1.06	1.00	1.02	0.99	1.04	0.95	1.14	1.21	1.24	1.09
Small Cap Growth	1.07	1.12	1.03	1.06	1.10	1.04	0.98	1.00	0.97	1.02	0.94	1.12	1.18	1.22	1.07
Small Cap Value	1.09	1.15	1.06	1.09	1.13	1.07	1.01	1.03	1.00	1.04	0.96	1.15	1.22	1.25	1.10
Int'l. Developed	1.05	1.10	1.01	1.04	1.08	1.02	0.96	0.98	0.96	1.00	0.92	1.10	1.16	1.20	1.05
Emerging Markets	1.14	1.20	1.10	1.13	1.18	1.11	1.05	1.07	1.04	1.09	1.00	1.20	1.27	1.30	1.15
REITs	0.95	1.00	0.92	0.94	0.98	0.93	0.87	0.89	0.87	0.91	0.83	1.00	1.06	1.08	0.96
Commodities	0.90	0.95	0.87	0.89	0.93	0.88	0.83	0.84	0.82	0.86	0.79	0.95	1.00	1.03	0.90
Int. Bond	0.88	0.92	0.85	0.87	0.91	0.86	0.81	0.82	0.80	0.84	0.77	0.92	0.97	1.00	0.88
High Yield	0.99	1.05	0.96	0.99	1.03	0.97	0.92	0.93	0.91	0.95	0.87	1.05	1.11	1.13	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 commercial transaction for many products and some services. **Core CPI** is an additional CPI Index, excludes energy and food item price changes, and measures the "core" or "underlying" rate of inflation. The **PCE (Personal Consumption Expenditure) Index of Prices** is a US-wide indicator of the average increase in prices for all domestic personal consumption. Using a variety of data including U.S. Consumer Price Index and Producer Price Index prices, it is derived from personal consumption expenditures; essentially a measure of goods and services targeted towards individuals and consumed by individuals.

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 Value 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 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 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 float-adjusted market capitalization in each country. The **MSCI Japan Index** is designed to measure the performance of the large and mid-cap segments of the Japanese market. With 320 constituents, the index covers approximately 85% of the free float-adjusted market capitalization in Japan. 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 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. In May 2007, **Markit's U.S. PMI** research was extended out to cover producers of metal goods. In October 2009, Markit's U.S. Manufacturing PMI survey panel was extended further to cover all areas of U.S. manufacturing activity. The **NY Empire State Index** is an index based on the monthly survey of manufacturers in New York State - known as the Empire State Manufacturing Survey - conducted by the Federal Reserve Bank of New York. The headline number for the NY Empire State Index refers to the survey's main index, which summarizes general business conditions in New York State.

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Envestnet's Advisor Suite® software empowers financial advisors to better manage client outcomes and strengthen their practice. Envestnet provides institutional-quality research and advanced portfolio solutions through our Portfolio Management Consultants group, Envestnet | PMC®. Envestnet | Tamarac provides leading rebalancing, reporting and practice management software.

For more information on Envestnet, please visit [www.envestnet.com](http://www.envestnet.com).