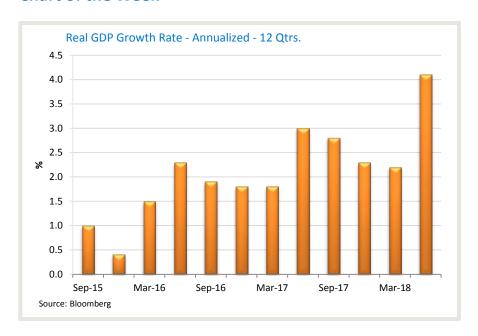


Weekly Market Review

August 24, 2018

Chart of the Week



Weekly Highlights

- Fed Signals Rate Increase Next Month. At their last meeting, Federal
 Reserve (the Fed) officials signaled they were likely to raise interest rates
 next month if the economy performs in line with current expectations. At
 the recent meeting, Fed officials discussed dropping language from their
 post-meeting statement that for years has described monetary policy as
 "accommodative," as it "at some point fairly soon ... may no longer be
 appropriate," the minutes said.
- Home Sales Tumbled In July for the Longest Slump Since 2013. The
 downward slide in sales of previously owned homes continued, as rising
 home prices and higher mortgage rates priced more potential buyers out of
 the market. Compared with a year earlier, sales in July were down
 1.5%. Economists state many potential home buyers are staying put, often
 choosing to renovate rather than give up their historically low mortgage
 rates and pay the significantly higher prices for their next home.
- The US-China Trade Battle Escalates. The world's two largest economies kicked off two days of talks in Washington. On Thursday, the US imposed tariffs on \$16 billion of Chinese goods on top of the \$34 billion in Chinese imports already targeted. By the end of September, the US could add levies on another \$200 billion—about half of all Chinese imports.

Talking Points

- Global equity markets were broadly up this week. US markets drifted slightly lower on Thursday, a day after the S&P 500's bull run became the longest ever. International stocks were up modestly, and emerging markets reversed losses from last week, finishing largely in positive territory.
- Treasury yields have remained flat this week, with the yield on the key 10-Year US Treasury Note trading near 2.82.
- Commodities remained relatively flat, with the Bloomberg Commodity Index (the Index) finishing marginally higher after an up-and-down week. Within the Index, oil rose and headed for its first weekly gain in two months, as signs of tightened supply from the North Sea and Middle East surfaced.
- The US dollar ended the week lower against a basket of major trade partners' currencies. The dollar fell 0.6% following a speech from Fed Chair Jerome Powell, in which he noted "further, gradual" rate hikes moving forward, given that the economy is "strong" and can handle tighter monetary policy.
- In other economic news, US
 jobless claims fell for a third
 consecutive week. Initial claims, a
 proxy for layoffs across the US,
 dropped to 210,000 in the week
 ended August 18, continuing to
 hover near historic lows. The
 unemployment rate fell to 3.9% in
 July, near its lowest level since
 April 2000, according to the Labor
 Department's latest jobs report.

Market Dashboard

	Last Price	Change	% Chg.	YTD %
S&P 500	2,874.69	24.56	0.86%	7.5%
Dow Industrials	25,790.35	121.03	0.47%	4.3%
Nasdaq	7,945.98	129.65	1.66%	15.1%
Russell 2000	1,725.67	32.72	1.93%	12.4%
Euro Stoxx Index	383.56	2.50	0.66%	-1.4%
Shanghai Composite	2,729.43	60.46	2.27%	-17.5%
Russell Global	2,163.42	17.51	0.82%	0.9%

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

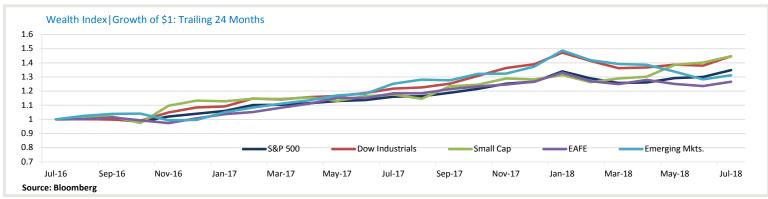
	Last Price	Change	% Chg.	YTD %
Russell Global EM	3,295.94	73.88	2.29%	-9.5%
10-Year US Treas.	2.83	-5 bps	NM	NM
Bloomberg Cmdts. Idx.	83.69	0.34	0.41%	-5.1%
Gold	\$1,206.08	\$21.49	1.81%	-7.5%
Crude Oil	\$68.57	\$3.35	5.14%	16.8%
Dollar Index	95.16	-0.94	-0.98%	3.3%
VIX Index	11.99	-0.65	-5.14%	8.6%

2850	
2800	
2750	
2700 -	
2650 -	
2600 -	
2550 -	
2500 -	
2450	
2400	
2400	

		One Weel	<		YTD	
	Value		Growth	Value		Growth
L	0.51%	0.87%	1.19%	1.58%	8.21%	14.09%
	0.48%	1.18%	2.24%	2.35%	6.37%	11.76%
S	1.30%	1.93%	2.56%	8.62%	12.38%	15.98%
	Source: B	loomberg				

	% Wgt in	Week %	
	S&P 500	Chg.	YTD % Chg.
Consumer Discretionary	12.8	2.04%	16.3%
Consumer Staples	6.8	-1.79%	-5.7%
Energy	5.9	2.64%	2.8%
Financials	13.9	0.24%	0.8%
Health Care	14.6	0.76%	10.9%
Industrials	9.6	0.50%	0.8%
Information Technology	26.2	1.69%	17.6%
Materials	2.5	1.17%	-2.3%
Real Estate	2.8	-1.08%	1.4%
Telecom Services	2.0	-0.74%	-5.7%
Utilities	2.9	-1.41%	1.5%





The Economy and Markets

A Macro View - Digital Oil

Although the cryptocurrency market may not be snagging headlines to the degree it did in late 2017 and early 2018, Venezuela, formerly Latin America's richest country, has fallen into an economic downward spiral, and now is looking at the crypto market as a source of "de-risking" its economy. This is somewhat ironic, given that demand for cryptocurrencies can be viewed as a proxy for financial risk appetite. However, Venezuela's goal in adopting cryptocurrency is to help fight the hyperinflation that is devastating this resource-rich country. Enter the Venezuelan cryptocurrency, the "Petro." Though other countries, like Russia and the United Arab Emirates, have launched similar "crypto-projects," Venezuela's cryptocurrency is unique, in that it is the only one to be backed by an asset—the country's vast oil reserves. The currency was launched in February, but beginning August 20, 2018, Nicolas Maduro, Venezuela's president, announced the state-owned oil giant Petroleos de Venezuela (PDVSA) will begin using the digital token as a mandatory accounting unit. At the same time, the country is rolling out a new currency pegged to the cryptocurrency: "sovereign" bolivars. This new banknote will shed five zeroes from the former bolivar (i.e., 250,000 converts to 25). 1

Let's take a step back and review basic hyperinflation. Simply put, hyperinflation is rapidly accelerating inflation, eroding the real value of a currency as the prices of goods increase. Hyperinflation is sometimes referred to as the "wheelbarrow problem," as consumers must bring such massive amounts of currency to afford even small items (like groceries) that they might as well use a wheelbarrow to transport the payment. This sometimes results in the population switching to more stable foreign currencies, like the US dollar, which causes additional issues for the country, as it can introduce asset/liability currency mismatches. Once a population puts enough of the alternate currency into circulation, or even adopts it as an official currency, the sovereign government loses its ability to print money and pay its bills, further exacerbating the problem. Economists cite a number of possible causes for hyperinflation: large deficits financed by printing money versus borrowing or raising taxes, a drastic decrease in export prices, or a sharp decrease in tax revenue. Venezuela suffers from all three of these, with rampant government spending, an inability to borrow due to sanctions, a crash in oil prices in 2014 that has never fully recovered, and a population exiting in droves.² This leaves the country with an inflation rate that topped 60,000% as of August 20, 2018 that is projected to exceed a mind-boggling 1,000,000% by the end of 2018, which would make it the worst hyperinflation crisis in modern history.³

So what does President Maduro hope to gain from this move, as the country precariously teeters on economic collapse? Perhaps most important is establishing a currency with a more stable value. The Petro will be backed by crude oil and will fluctuate based on oil prices, helping to set prices for goods. Second, this currency could be used to circumnavigate sanctions the US placed on the country last August, prohibiting US citizens and associated entities from negotiating new debt with Venezuela and PDVSA. This in effect closed the country's access to financial markets and crippled its ability to pay debt, on which the country is currently \$6 billion dollars in default.⁴ Finally, some see the Petro as an opportunity to attract new international investors, specifically cryptoenthusiasts, who may view it to be a compelling risk/reward. However, this all must be done under the pretense of the Venezuelan government prioritizing an ethical stance in carrying out this project, which in and of itself is a source of concern.

Needless to say, President Maduro's plan has been largely criticized by academics, the International Monetary Fund, and Venezuela's opposition leaders. As Venezuela's government has largely stopped reporting economic data, most critics remain skeptical about unchecked government spending using drying up revenues. They argue a simple "face lift" to the bolivar's redenomination does not really change what's underneath, but is simply an outward appearance.⁵

Drastic measures are clearly on the table for a country with extraordinary problems. Could the crypto market be a lever with which to take some risk off the table for a country in turmoil? Unfortunately, outsiders, and to a more concerning degree, Venezuelans living through this economic and humanitarian crisis, must wait and see, as the Petro is moved toward center stage, and banks across the country are closing to prepare the "sovereign" bolivar for action.

Ryan Knisely Associate Investment Analyst

¹ Reuters, July 25, 2018

² United Nations estimates 2.3 million people have left the country since 2014 (The Wall Street Journal, August 20, 2018

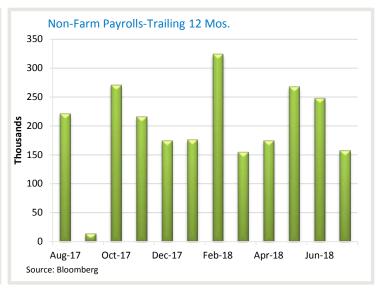
³ Reuters / NPR, August 23, 2018.

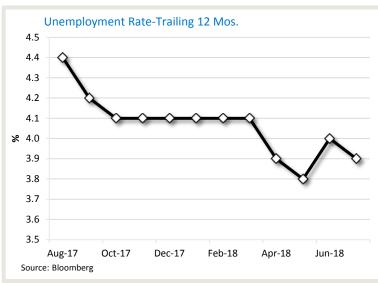
⁴ The Wall Street Journal, August 20, 2018.

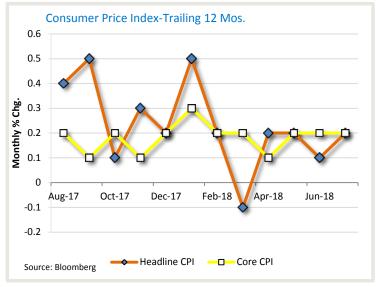
⁵ NPR, August 20, 2018.

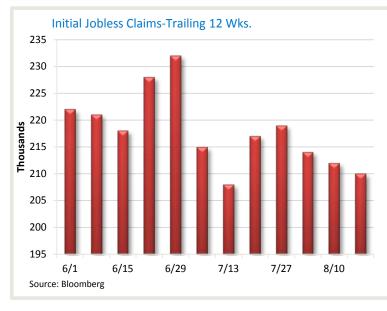
Economic Data













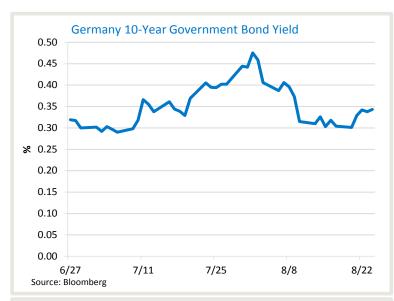
Eurozone

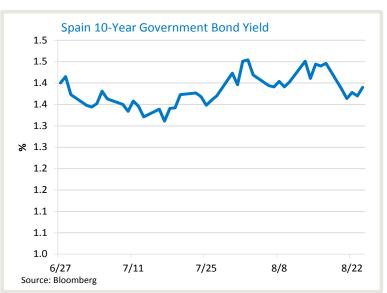
SELECTED EUROPEAN SOVEREIGN YIELD PERFORMANCE

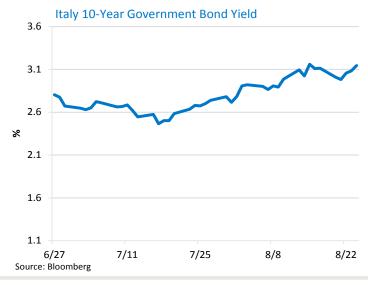
	Last	Change	% Chg.	YTD %
Germany 10-Yr. Govt.	0.34	-4 bps	NM	NM
Greece 10-Yr. Govt.	4.16	11 bps	NM	NM
Italy 10-Yr. Govt.	3.14	-2 bps	NM	NM
Spain 10-Yr. Govt.	1.39	5 bps	NM	NM
Belgium 10-Yr. Govt.	0.70	-1 bps	NM	NM

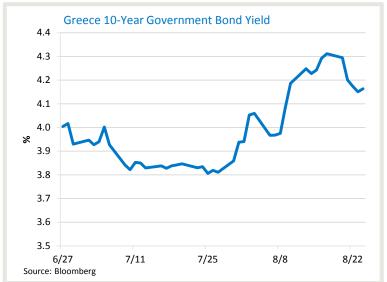
	Last	Change	% Chg.	YTD %
France 10-Yr. Govt.	0.68	-2 bps	NM	NM
Ireland 10-Yr. Govt.	0.86	-2 bps	NM	NM
Portugal 10-Yr. Govt.	1.82	3 bps	NM	NM
Netherlands 10-Yr. Govt.	0.45	-4 bps	NM	NM
U.K. 10-Yr. Govt.	1.28	-5 bps	NM	NM

Source: Bloomberg Basis points (bps)









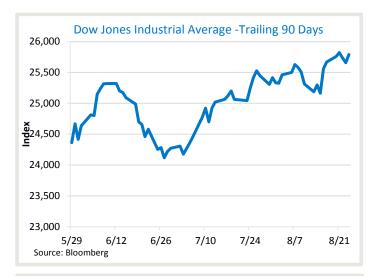
Equities

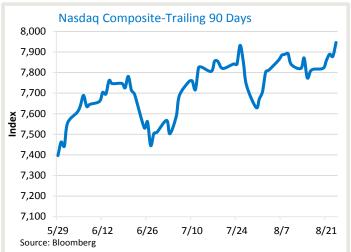
WORLD MARKET PERFORMANCE

	Last	Change	% Chg.	YTD %
S&P 500	2,874.69	24.56	0.86%	7.52%
Dow Industrials	25,790.35	121.03	0.47%	4.33%
Nasdaq Composite	7,945.98	129.65	1.66%	15.10%
Russell Global	2,163.42	17.51	0.82%	0.9%
Russell Global EM	3,295.94	73.88	2.29%	-9.5%
S&P/TSX (Canada)	16,356.05	32.34	0.20%	0.91%
Mexico IPC	49,633.77	1369.14	2.84%	0.57%
Brazil Bovespa	76,262.25	233.73	0.31%	-0.18%
Euro Stoxx 600	383.56	2.50	0.66%	-1.44%
FTSE 100	7,577.49	18.90	0.25%	-1.43%
IBEX 35 (Spain)	9,589.50	172.20	1.83%	-4.52%

	Last	Change	% Chg.	YTD %
Swiss Market Index	9,052.90	48.99	0.54%	-3.51%
CAC 40 Index (France)	5,432.50	87.57	1.64%	2.26%
DAX Index (Germany)	12,394.52	183.97	1.51%	-4.05%
Irish Overall Index	6,794.21	95.62	1.43%	-3.47%
Nikkei 225	22,601.77	331.39	1.49%	-0.72%
Hang Seng Index	27,671.87	458.46	1.68%	-7.51%
Shanghai Composite	2,729.43	60.46	2.27%	-17.47%
Kospi Index (S. Korea)	2,293.21	46.16	2.05%	-7.06%
Taiwan Taiex Index	10,809.35	118.39	1.11%	1.56%
Tel Aviv 25 Index	1,634.02	51.23	3.24%	8.23%
MOEX Index (Russia)	2,279.76	24.64	1.09%	8.06%

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









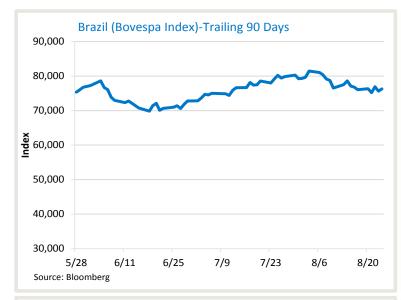
Equities – Emerging and Frontier Markets

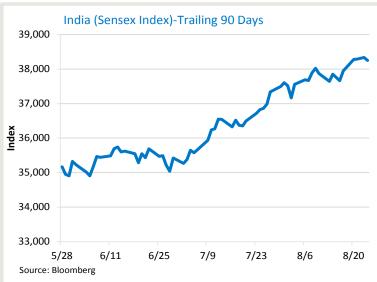
EMERGING AND FRONTIER MARKET PERFORMANCE

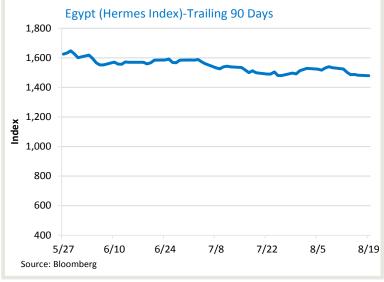
Last	Change	% Chg.	YTD %
49,633.77	1369.14	2.8%	0.6%
76,262.25	233.73	0.3%	-0.2%
2,279.76	24.64	1.1%	8.1%
1,072.86	14.81	1.4%	-0.5%
90,185.99	1451.23	1.6%	-21.8%
1,479.00	-3.15	-0.2%	2.9%
3,296.26	-39.80	-1.2%	-11.2%
7,867.16	-309.02	-3.8%	8.9%
1,009.03	-3.34	-0.3%	-12.1%
541.71	0.15	0.0%	-5.7%
	49,633.77 76,262.25 2,279.76 1,072.86 90,185.99 1,479.00 3,296.26 7,867.16 1,009.03	49,633.77 1369.14 76,262.25 233.73 2,279.76 24.64 1,072.86 14.81 90,185.99 1451.23 1,479.00 -3.15 3,296.26 -39.80 7,867.16 -309.02 1,009.03 -3.34	49,633.77 1369.14 2.8% 76,262.25 233.73 0.3% 2,279.76 24.64 1.1% 1,072.86 14.81 1.4% 90,185.99 1451.23 1.6% 1,479.00 -3.15 -0.2% 3,296.26 -39.80 -1.2% 7,867.16 -309.02 -3.8% 1,009.03 -3.34 -0.3%

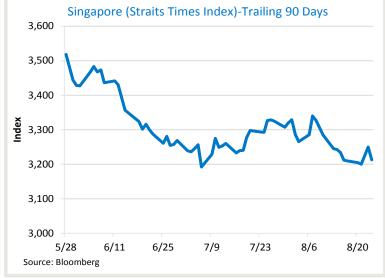
	Last	Change	% Chg.	YTD %
Hang Seng Index	27,671.87	458.46	1.7%	-7.5%
India (Sensex 30)	38,251.80	303.92	0.8%	12.3%
Malaysia (KLCI Index)	1,808.59	31.32	1.8%	0.7%
Singapore (Straits Times Index)	3,213.00	1.07	0.0%	-5.6%
Thailand (SET Index)	1,703.82	13.78	0.8%	-2.8%
Indonesia (Jakarta)	5,968.75	152.16	2.6%	-6.1%
Pakistan (Karachi KSE 100)	42,588.29	141.67	0.3%	5.2%
Vietnam (Ho Chi Minh)	987.05	18.17	1.9%	0.3%
Sri Lanka (Colombo)	6,052.69	-30.90	-0.5%	-5.0%
Cambodia (Laos)	877.86	6.43	0.7%	-12.1%

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









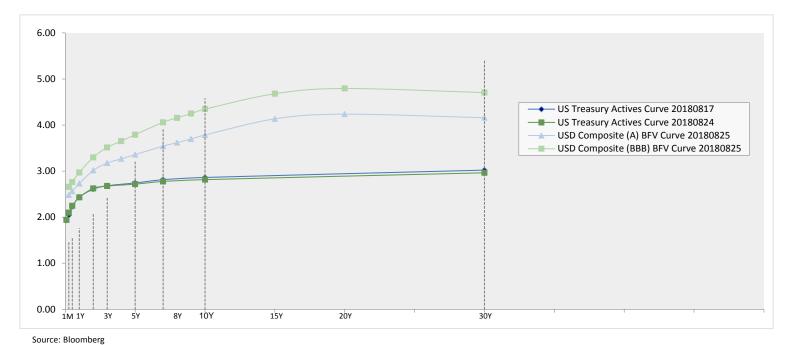
Interest Rates

SELECTED INTEREST RATES

		-	
Last	Change	% Chg.	YTD %
2.62%	0 bps	NM	NM
2.72%	-3 bps	NM	NM
2.83%	-5 bps	NM	NM
2.98%	-5 bps	NM	NM
0.34%	-4 bps	NM	NM
0.68%	-2 bps	NM	NM
3.14%	-2 bps	NM	NM
2.10%	-2 bps	NM	NM
	2.62% 2.72% 2.83% 2.98% 0.34% 0.68% 3.14%	2.62% 0 bps 2.72% -3 bps 2.83% -5 bps 2.98% -5 bps 0.34% -4 bps 0.68% -2 bps 3.14% -2 bps	2.62% 0 bps NM 2.72% -3 bps NM 2.83% -5 bps NM 2.98% -5 bps NM 0.34% -4 bps NM 0.68% -2 bps NM 3.14% -2 bps NM

	Last	Change	% Chg.	YTD %
Prime Rate	5.00%	0.00	NM	NM
Fed Funds Rate	2.00%	0.00	NM	NM
Discount Rate	2.50%	0.00	NM	NM
LIBOR (3 Mo.)	2.31%	0 bps	NM	NM
Bond Buyer 40 Muni	3.83%	-1 bps	NM	NM
Bond Buyer 40 G.O.	3.94%	NA	NM	NM
Bond Buyer 40 Rev.	4.44%	NA	NM	NM

Source: Bloomberg







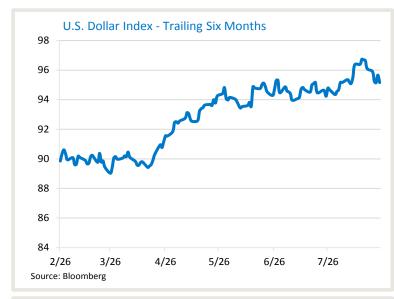
Currencies

SELECTED CURRENCY PERFORMANCE

	Last	Change	% Chg.	YTD %
Dollar Index	95.16	-0.943	-0.98%	3.29%
Euro	1.16	0.018	1.61%	-3.19%
Japanese Yen	111.24	0.720	-0.65%	1.32%
British Pound	1.28	0.010	0.77%	-4.93%
Canadian Dollar	1.30	-0.003	0.21%	-3.54%

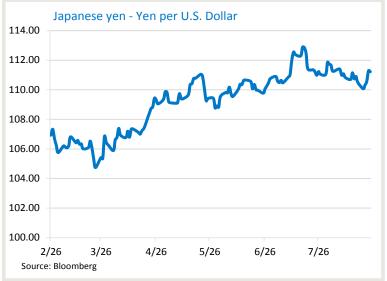
	Last	Change	% Chg.	YTD %
Chinese Yuan	6.81	-0.067	0.98%	-4.46%
Swiss Franc	0.98	-0.013	1.30%	-0.89%
New Zealand Dollar	0.67	0.006	0.83%	-5.72%
Brazilian Real	4.10	0.198	-4.81%	-19.46%
Mexican Peso	18.92	0.030	-0.16%	3.90%

Source: Bloomberg









Source: Bloomberg; % change is based on price.

Commodities

20

10

2/26

Source: Bloomberg

3/26

4/26

SELECTED COMMODITY MARKET PERFORMANCE

		JLL	LCTLD CO	IVIIVIODITI
	Last	Change	% Chg.	YTD %
Bloomberg Comm. ldx.	83.69	0.34	0.41%	-5.08%
Crude Oil	\$68.56	\$3.35	5.14%	16.76%
Natural Gas	\$2.91	-\$0.03	-1.09%	4.48%
Gasoline (\$/Gal.)	\$2.84	-\$0.01	-0.21%	14.11%
Heating Oil	219.90	10.20	4.86%	12.26%
Gold Spot	\$1,206.03	\$21.49	1.81%	-7.45%
Silver Spot	\$14.81	\$0.01	0.07%	-12.54%

	Last	Change	% Chg.	YTD %
Platinum Spot	\$790.65	\$1.59	0.20%	-14.84%
Corn	362.75	-16.00	-4.22%	-5.53%
Wheat	536.50	-43.25	-7.46%	11.31%
Soybeans	855.25	-37.50	-4.20%	-12.35%
Sugar	10.23	0.05	0.49%	-32.74%
Orange Juice	156.45	-0.90	-0.57%	10.18%
Aluminum	2,075.00	45.00	2.22%	-8.51%
Copper	5,986.50	60.50	1.02%	-17.39%

Crude Oil - Light Crude (\$ per barrel)

70

60

70

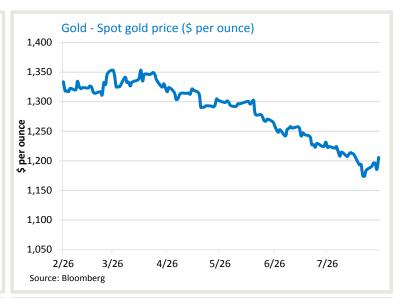
40

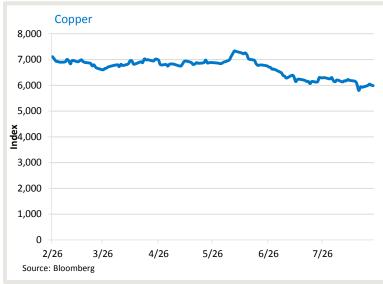
30

5/26

6/26

7/26







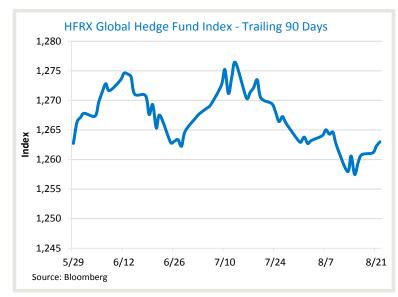
Alternative Investments

SELECTED ALTERNATIVE INVESTMENT INDEX PERFORMANCE

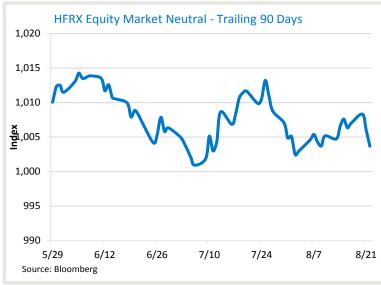
	Last	Change	% Chg.	YTD %
HFRX Global Hedge Fund Index	1262.99	2.16	0.17%	-0.99%
HFRX Equity Market Neutral	1003.67	-3.34	-0.33%	-0.07%
HFRX Equity Hedge Index	1268.69	9.27	0.74%	-0.16%
HFRX Event-Driven Index	1584.73	9.84	0.62%	-4.86%
HFRX Absolute Return Index	1076.21	-0.66	-0.06%	1.22%

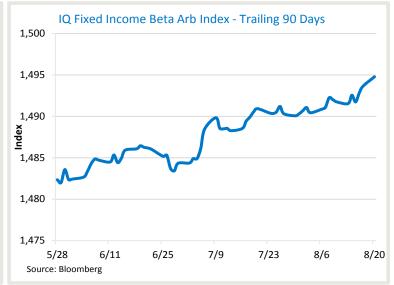
	Last	Change	% Chg.	YTD %
HFRX Distressed Index	1042.04	1.07	0.10%	-5.84%
HFRX Merger Arbitrage Index	1842.52	-1.01	-0.05%	-0.57%
HFRX Convertible Arbitrage Index	801.39	0.53	0.07%	0.65%
HFRX Macro CTA Index	1145.28	-13.84	-1.19%	-1.60%
IQ Fixed Income Beta Arb Index	1496.93	3.26	0.22%	1.80%

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

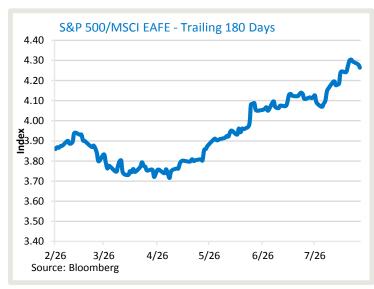


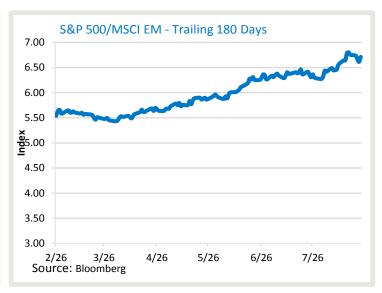


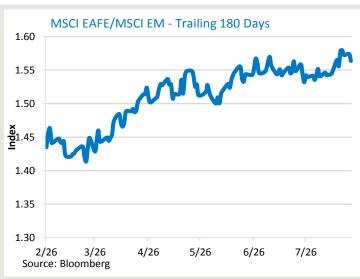




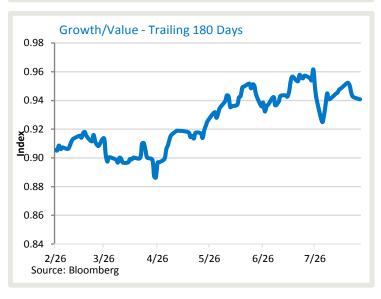
Portfolio Construction



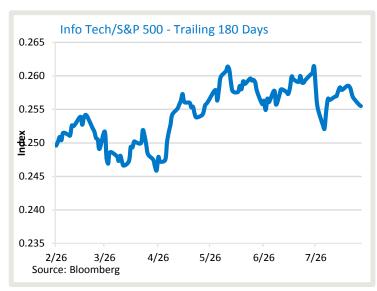


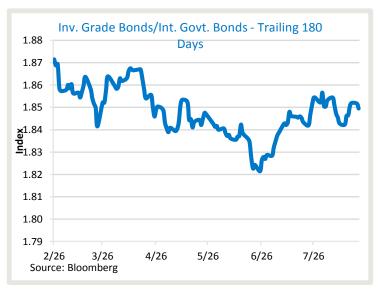


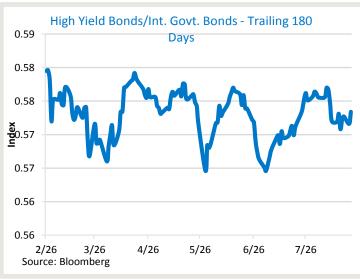


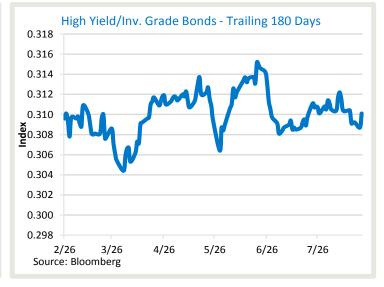


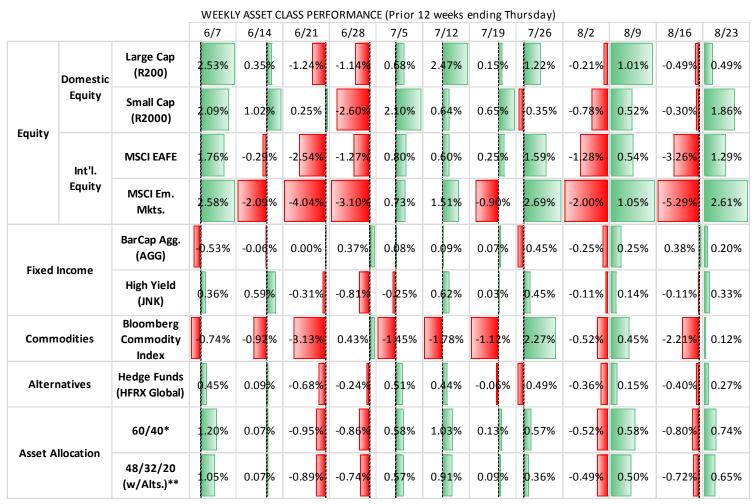
Portfolio Construction (continued)











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	1.00	1.03	1.03	1.01	1.05	1.01	1.01	1.02	1.30	1.38	1.02	1.41	1.06	1.07
Large Cap Growth	1.00	1.00	1.03	1.02	1.01	1.05	1.01	1.01	1.01	1.29	1.37	1.02	1.41	1.05	1.06
Large Cap Value	0.97	0.97	1.00	1.00	0.98	1.02	0.98	0.99	0.99	1.26	1.34	0.99	1.37	1.03	1.03
Mid Cap Core	0.97	0.98	1.00	1.00	0.98	1.02	0.99	0.99	0.99	1.26	1.34	0.99	1.38	1.03	1.04
Mid Cap Growth	0.99	0.99	1.02	1.02	1.00	1.04	1.00	1.01	1.01	1.29	1.36	1.01	1.40	1.05	1.06
Mid Cap Value	0.95	0.95	0.98	0.98	0.96	1.00	0.96	0.96	0.97	1.23	1.31	0.97	1.34	1.00	1.01
Small Cap Core	0.99	0.99	1.02	1.01	1.00	1.04	1.00	1.00	1.00	1.28	1.36	1.01	1.40	1.04	1.05
Small Cap Growth	0.99	0.99	1.01	1.01	0.99	1.04	1.00	1.00	1.00	1.28	1.36	1.00	1.39	1.04	1.05
Small Cap Value	0.98	0.99	1.01	1.01	0.99	1.04	1.00	1.00	1.00	1.28	1.36	1.00	1.39	1.04	1.05
Int'l. Developed	0.77	0.77	0.79	0.79	0.78	0.81	0.78	0.78	0.78	1.00	1.06	0.79	1.09	0.81	0.82
Emerging Markets	0.73	0.73	0.75	0.75	0.73	0.76	0.74	0.74	0.74	0.94	1.00	0.74	1.03	0.77	0.77
REITs	0.98	0.98	1.01	1.01	0.99	1.03	0.99	1.00	1.00	1.27	1.35	1.00	1.39	1.04	1.05
Commodities	0.71	0.71	0.73	0.73	0.71	0.74	0.72	0.72	0.72	0.92	0.97	0.72	1.00	0.75	0.75
Int. Bond	0.95	0.95	0.98	0.97	0.96	1.00	0.96	0.96	0.96	1.23	1.30	0.97	1.34	1.00	1.01
High Yield	0.94	0.94	0.97	0.96	0.95	0.99	0.95	0.95	0.95	1.22	1.29	0.96	1.33	0.99	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 Purchasing Managers' Index (PMI) is an indicator of the economic health of the manufacturing sector. The PMI is based on five major indicators: new orders, inventory levels, production, supplier deliveries and the employment environment. Brexit is a commonly used term for the United Kingdom's withdrawal from the European Union. The Kansas City Fed Manufacturing Survey monitors manufacturing plants selected according to geographic distribution, industry mix and size in the Tenth Federal Reserve District. West Texas Intermediate (WTI), also known as Texas light sweet, is a grade of crude oil used as a benchmark in oil pricing. Risk Premium is the return in excess of the risk-free rate of return an investment is expected to yield

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 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 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 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 NY Empire State Manufacturing Index is 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 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 Dow Jones Wilshire U.S. REIT Index tracks the performance of publicly traded REITs and REIT-like securities and is designed to serve as a proxy for direct real estate investment, in part by excluding companies whose performance may be driven by factors other than the value of real estate. The Russell Top 200 Index measures the performance of the 200 largest companies in the Russell 1000 Index, with a weighted average market capitalization of \$186 billion. The Barclays 1-3 Year US Treasury Bond Index measures public US Treasury obligations with remaining maturities of one to three years. The S&P LSTA Leveraged Loan Index is an unmanaged capitalization-weighted syndicated loan index based upon market weightings, spreads and interest payments. It covers the US market back to 1997 and currently calculates on a daily basis. The JPMorgan Emerging Market Bond Index (EMBI) are a set of three bond indices to track bonds in emerging markets operated by J P Morgan. The indices are the Emerging Markets Bond Index Plus, the Emerging Markets Bond Index Global and the Emerging Markets Bond Global Diversified Index. The J.P. Morgan GBI series covers a variety of asset classes ranging from flagship coverage of emerging markets to developed market bond indices.

The information, analysis, and opinions expressed herein are for general and educational purposes only. Nothing contained in this weekly review is intended to constitute legal, tax, accounting, securities, or investment advice, nor an opinion regarding the appropriateness of any investment, nor a solicitation of any type. All investments carry a certain risk, and there is no assurance that an investment will provide positive performance over any period of time. An investor may experience loss of principal. Investment decisions should always be made based on the investor's specific financial needs and objectives, goals, time horizon, and risk tolerance. The asset classes and/or investment strategies described may not be suitable for all investors and investors should consult with an investment advisor to determine the appropriate investment strategy. Past performance is not indicative of future results.

Information obtained from third party sources are believed to be reliable but not guaranteed. Envestnet|PMC™ makes no representation regarding the accuracy or completeness of information provided herein. All opinions and views constitute our judgments as of the date of writing and are subject to change at any time without notice.

Investments in smaller companies carry greater risk than is customarily associated with larger companies for various reasons such as volatility of earnings and prospects, higher failure rates, and limited markets, product lines or financial resources. Investing overseas involves special risks, including the volatility of currency exchange rates and, in some cases, limited geographic focus, political and economic instability, and relatively illiquid markets. Income (bond) securities are subject to interest rate risk, which is the risk that debt securities in a portfolio will decline in value because of increases in market interest rates.

Exchange Traded Funds (ETFs) are subject to risks similar to those of stocks, such as market risk. Investing in ETFs may bear indirect fees and expenses charged by ETFs in addition to its direct fees and expenses, as well as indirectly bearing the principal risks of those ETFs. ETFs may trade at a discount to their net asset value and are subject to the market fluctuations of their underlying investments. Investing in commodities can be volatile and can suffer from periods of prolonged decline in value and may not be suitable for all investors.

Index Performance is presented for illustrative purposes only and does not represent the performance of any specific investment product or portfolio. An investment cannot be made directly into an index.

Alternative Investments may have complex terms and features that are not easily understood and are not suitable for all investors. You should conduct your own due diligence to ensure you understand the features of the product before investing. Alternative investment strategies may employ a variety of hedging techniques and non-traditional instruments such as inverse and leveraged products. Certain hedging techniques include matched combinations that neutralize or offset individual risks such as merger arbitrage, long/short equity, convertible bond arbitrage and fixed-income arbitrage. Leveraged products are those that employ financial derivatives and debt to try to achieve a multiple (for example two or three times) of the return or inverse return of a stated index or benchmark over the course of a single day. Inverse products utilize short selling, derivatives trading, and other leveraged investment techniques, such as futures trading to achieve their objectives, mainly to track the inverse of their benchmarks. As with all investments, there is no assurance that any investment strategies will achieve their objectives or protect against losses.

Neither Envestnet, Envestnet|PMC™ nor its representatives render tax, accounting or legal advice. Any tax statements contained herein are not intended or written to be used, and cannot be used, for the purpose of avoiding U.S. federal, state, or local tax penalties. Taxpayers should always seek advice based on their own particular circumstances from an independent tax advisor. SR#1385542

© 2018 Envestnet Asset Management, Inc. All rights reserved.

ABOUT ENVESTNET®

Envestnet, Inc. (NYSE: ENV) is a leading provider of intelligent systems for wealth management and financial wellness. Envestnet's unified technology enhances advisor productivity and strengthens the wealth management process, delivering unparalleled flexibility, accuracy, performance, and value. Envestnet enables a transparent, independent, objective, and fiduciary standard of care, and empowers enterprises and advisors to more fully understand their clients and deliver better outcomes.

For more information on Envestnet, please visit www.envestnet.com.