Quarterly Considerations

September 30, 2019

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QUARTERLY CONSIDERATIONS

CORPORATE PLANS

Hardship Changes – Under new Internal Revenue Service ("IRS") rules effective as of 2020, the six-month waiting period for 401(k) contributions post-hardship distribution is eliminated. Participants are no longer required to first take a plan loan, and additional employer contribution sources are eligible for a hardship distribution.

Supreme Review – Three ERISA cases are heading to the U.S. Supreme Court. Decisions in each case, which include defined benefit issues, statutes of limitations and employer stock losses, may impact how plans sponsors view and treat their fiduciary responsibilities. Please ask us for more details.

NONPROFITS

ESG Barriers – Concerns about performance (60% of responses) and difficulty in evaluating investment products and strategies (53%) were the most common issues cited in preventing organizations from pursuing sustainable investments in a recent SEI survey. Interested in learning more about socially responsible investing? Contact us today.

<u>TAXES</u>

Donor-Advised Funds – Do you plan to make charitable gifts before year-end? Have you considered a donor-advised fund? Since the passage of the Tax Cuts and Jobs Act, utilizing a donor-advised fund to lump multi-year planned gifting into a single tax year has provided many with tax savings. Contact us to discuss the potential benefits of a donor-advised fund.

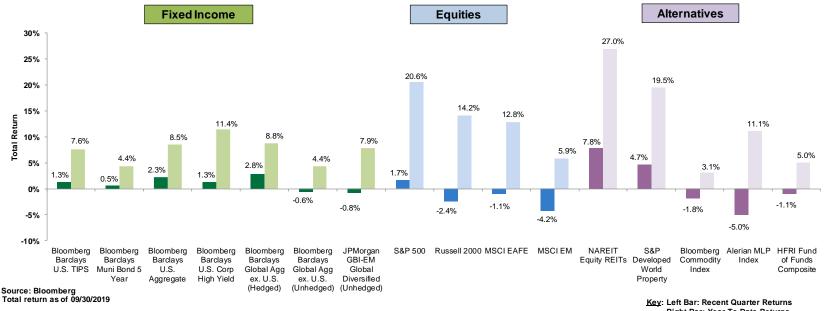
An Eye on Distributions – With strong market performance this year, your taxable portfolio could be holding investments that may generate significant capital gain distributions towards year-end. We can help identify such year-end capital gain distributions and can design strategies to help determine the optimal after-tax approach.

EDUCATION

Saving for College – Is there a new addition in your family? According to the College Board's "Trends in Annual Pricing" report, college costs have steadily risen more than 2% above inflation over the last 10 years. It is never too early to start saving for college. We can help you understand the current college savings vehicles and investment options in the marketplace today.



MARKET SNAPSHOT



Fixed Income

- Fixed income markets posted strong returns, led by international developed currencyhedged debt and longer-maturity U.S credit, which benefited from central banks loosening monetary policy and a broad appreciation in the U.S. dollar.
- Investment grade credit and longer-dated bonds outperformed as central banks adopted more accommodative policies. The Federal Open Markets Committee ("FOMC") cut the target Federal Funds rate by 25 basis points at its July and September meetings.

Eauities

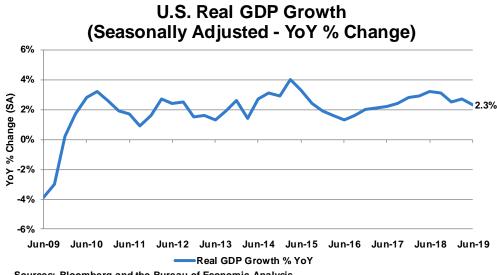
- Domestic equity markets generated positive returns during the quarter with large cap outperforming mid and small cap stocks. Value stocks broadly outperformed growth stocks except within large cap, where growth modestly outperformed value equities.
- International developed equities declined ٠ during the quarter but outperformed emerging market equities. Argentinian equities generated the worst returns within emerging markets, followed by South African and Polish stocks.

Right Bar: Year-To-Date Returns

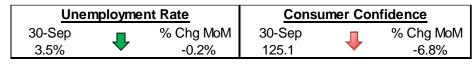
Real Assets

- Real assets posted mixed returns for the quarter. REITs increased sharply, benefiting from falling interest rates and strong fundamentals, while MLPs and energy-related assets underperformed during the quarter.
- Domestic REITs outperformed international, ٠ driven by strong returns in the healthcare and multi-family residential sectors.
- Hedge funds declined during the quarter, underperforming equities, fixed income and **REITs while outperforming MLPs.**

U.S. ECONOMIC UPDATE



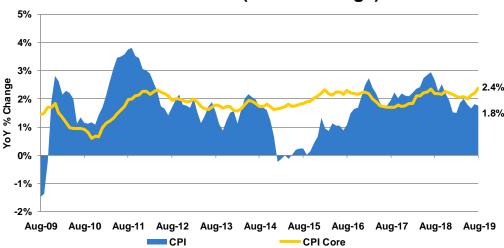
Sources: Bloomberg and the Bureau of Economic Analysis



Lea	ding India	cators	Consumer Spending			
31-Aug		% Chg MoM	31-Aug		% Chg MoM	
112.1		0.0%	\$14.7T	T	0.1%	

	<u>Ho</u>	ousing S	tarts	U.S. Personal Income				
	31-Aug 1.36M		% Chg MoM 12.3%	31-Aug \$18.8T		% Chg MoM 0.4%		
[ISM Ma	anufactu	ring PMI	Retail Sales				

Source: Bloomberg



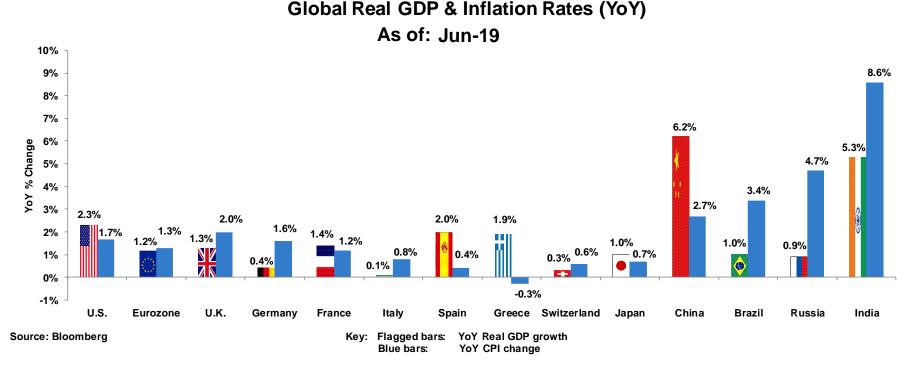
U.S. Inflation (YoY % Change)

- Second quarter real Gross Domestic Product (real GDP) increased at an annualized rate of 2.0% on a quarter-over-quarter, seasonally-adjusted (QoQ, SA) basis according to the Bureau of Economic Analysis, a decrease from the 3.1% growth rate realized in the first quarter.
- The FOMC voted to cut its benchmark interest rate by 25 basis points at its July and September meetings, lowering the target Federal Funds rate to a range of 1.75 to 2.00%. In September, the Federal Reserve ("Fed") began a series of interventions in short-term funding markets; the Fed repeatedly injected liquidity into the U.S. repurchase ("repo") market to ease a cash shortage caused by dwindling bank reserves in the financial system.
- The Core Consumer Price Index (CPI) rose 2.4% on a year-over-year, seasonally adjusted (YoY, SA) basis in August while Core PCE, the Fed's preferred measure of inflation, increased 1.8% (YoY, SA) in August, falling short of the Fed's 2.0% target.



Sources: Bloomberg and the Bureau of Labor Statistics

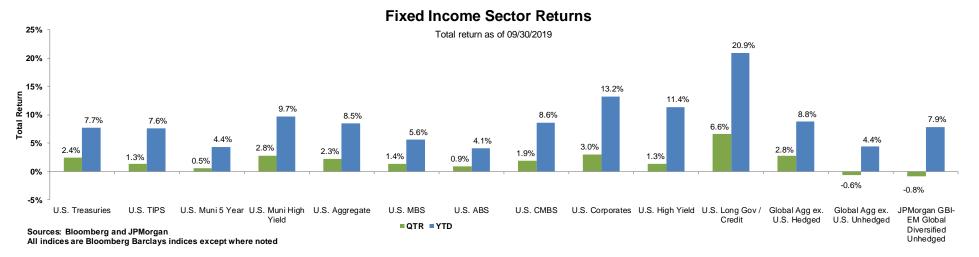
GLOBAL ECONOMIC UPDATE



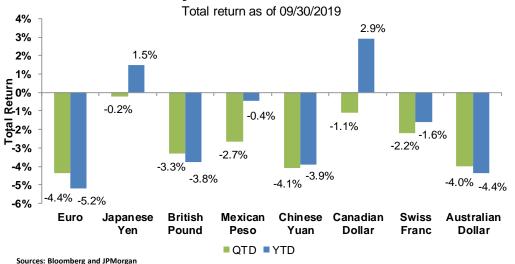
- China's official Manufacturing Purchasing Managers' Index ("PMI") increased to 49.8 in September from 49.5 in August; the reading below 50 still indicated a contraction in China's manufacturing sector. The unofficial Caixin/Markit Manufacturing PMI, a private survey focused more on small-and medium-sized businesses, increased to 51.4 in September from 50.4 in August, largely driven by increased domestic demand. The U.S. and China failed to make substantive progress in trade negotiations during the quarter.
- Second quarter real GDP increased at a 0.8% annualized rate (QoQ, SA) in the Euro Area, marking a significant decline in growth relative to the first quarter amongst a clouded economic backdrop. Germany, the Europe's largest economy, continued to exhibit signs of weakness as its real GDP contracted at an annualized rate of 0.3% (QoQ, SA). German manufacturing orders declined 2.1% on a month-over-month, seasonally-adjusted basis (MoM, SA) in July and another 0.6% (MoM, SA) in August.
- The European Central Bank ("ECB") maintained its main refinancing operations interest rate at zero and lowered the rate on its deposit facility by 10 basis points to
 -0.5% at its September meeting. The ECB also announced the continuation of asset purchases indefinitely in the amount of €20 billion per month in an effort to
 further stimulate economic growth.



GLOBAL FIXED INCOME



Currency Returns vs. U.S. Dollar



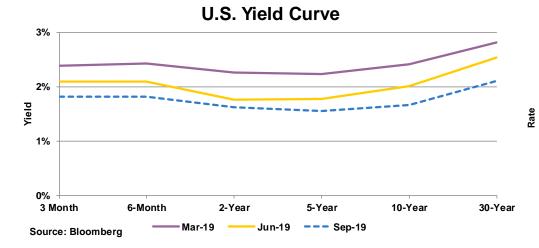
All indices are Bloomberg Barclays indices except where noted

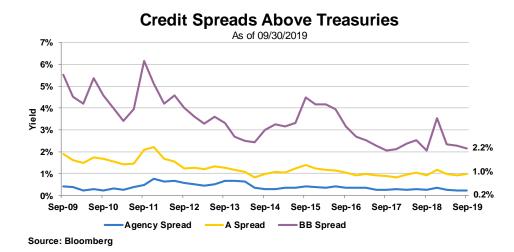
• The FOMC cut rates following its September meeting to a target rate of 1.75 to 2.00%. The Fed cited slowing global growth and below-target inflation as justification for lowering rates.

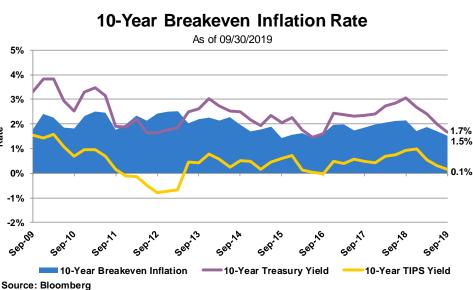
- Falling interest rates led to positive performance across the majority of global fixed income indexes. Investment grade and longer duration assets generally outperformed riskier assets.
- The dollar rallied sharply across global currencies during the quarter. Despite the implementation of an asset purchase program by the ECB, the euro fell by 4.4% relative to the dollar.



U.S. FIXED INCOME



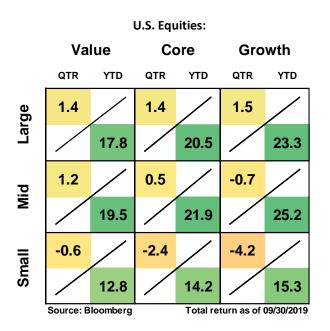




- Interest rates fell as the FOMC lowered its target rate, with the 10year Treasury falling to 1.66% from 2.01%. Treasuries outperformed TIPS during the quarter as breakeven inflation rates fell to 1.50%.
- Investment grade outperformed high yield assets, though high yield spreads continued to generate positive returns as investors continue to search for yield.
- Short-term money markets dislocated for the first time since the financial crisis as repo rates spiked to as high as 10% on Sept. 17. The New York Fed responded by injecting more than \$100 billion into short-term lending markets through the last two weeks of the quarter.



GLOBAL EQUITY MARKETS



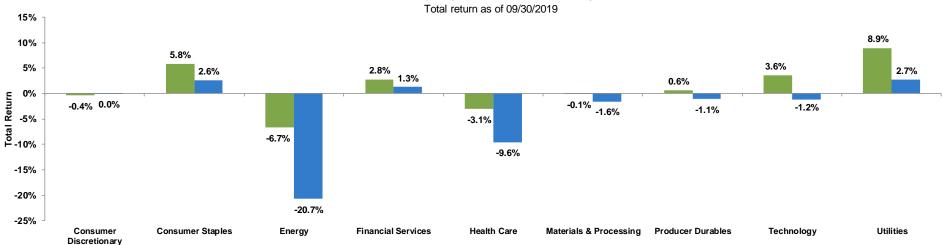
- Within U.S. equities, the utilities and consumer staples sectors were the top performers while energy and healthcare were the worst performing sectors for the second quarter in a row. Large cap growth stocks slightly outperformed large cap value stocks while value stocks outperformed growth stocks across the mid and small portions of the market capitalization spectrum. Large cap equities outperformed mid cap stocks, which outperformed small cap equities, across all investment styles.
- International stocks declined during the quarter, failing to keep pace with domestic stocks. Belgian and Japanese equities generated the strongest returns in developed markets while stocks in Hong Kong, Singapore and Germany underperformed.
- Emerging market equities lagged international developed markets during the quarter. Turkish, Egyptian and Taiwanese stocks generated the strongest returns in emerging markets while stocks in Argentina, South Africa and Poland generated the worst returns.



MSCI Equity Returns by Country / Region



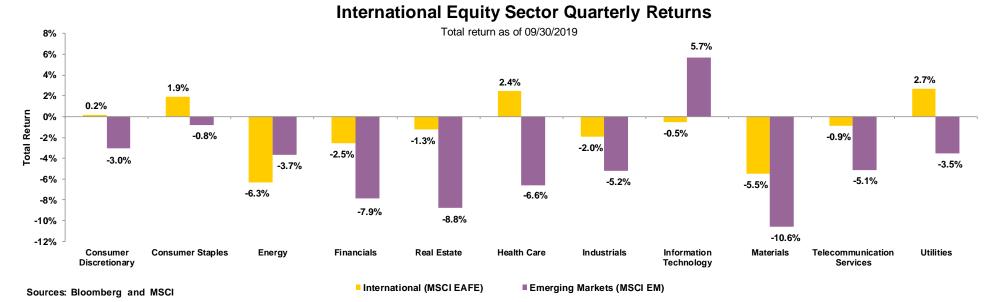
QUARTERLY EQUITY SECTOR RETURNS



Domestic Equity Sector Quarterly Returns

Sources: Bloomberg and Russell

Domestic Large Cap (Russell 1000) Domestic Small Cap (Russell 2000)

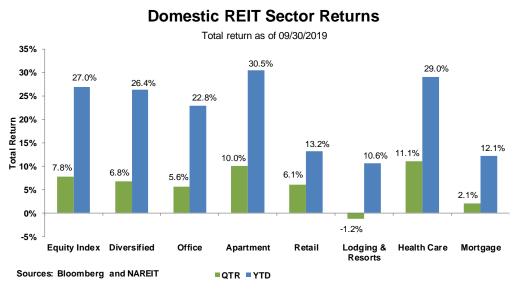


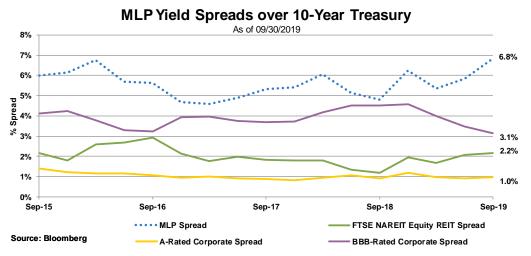
Please reference the disclosures at the end of this presentation for additional information related to the material presented.

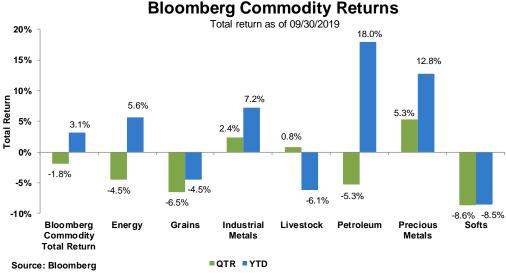


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REAL ASSETS





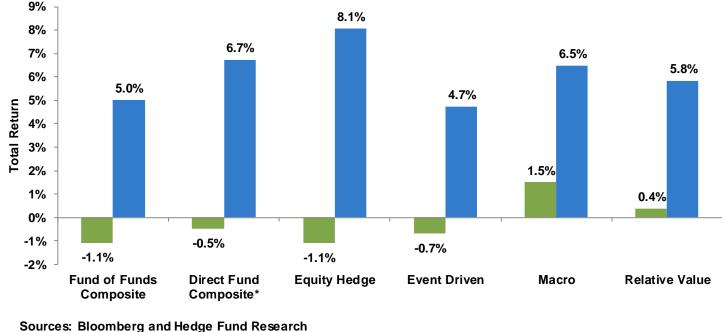


 Real assets finished the quarter mixed as REITs outperformed and energyrelated assets lagged.

- Within commodities, oil fell despite a drone attack targeted at Saudi production facilities. While there was significant short-term turbulence following the event, production was restored more quickly than expected, creating less disruption in the global marketplace than initially expected.
- The Alerian MLP Index largely moved in step with energy markets, declining 5.0% for the quarter. The price decline, in addition to continued EBITDA growth and declining fixed income yields, has resulted in the highest spread to Treasuries in over three years.
- REIT sectors rose sharply as declining bond yields, continued rent growth and limited supply were all beneficial. Healthcare and multi-family outperformed.



HEDGE FUNDS



QTR YTD *Methodology is fund weighted

- Total return as of 09/30/2019
- The HFRI Fund Weighted Composite Index was slightly negative during the third quarter, underperforming fixed income indices but outperforming most equity indices.
- Equity Hedge strategies underperformed the broader hedge fund universe with strong returns concentrated in market-neutral strategies and negative returns in growth-oriented strategies.
- Event-Driven strategies were in-line with the broader hedge fund universe with merger arbitrage and multi-strategy managers leading the group while special situations and distressed funds trailed the benchmark.
- Similar to the second quarter, Macro strategies were the strongest performer among the broader hedge fund universe as systematic, multi-strategy and currency managers all posted strong returns.
- Relative Value strategies outperformed the broader hedge fund universe, with fixed income asset backed and fixed income convertible arbitrage managers posting the strongest gains.

Financial Markets Performance

Total return as of September 30, 2019

Periods greater than one year are annualized

All returns are in U.S. dollar terms

Source. Bioomberg								
Global Fixed Income Markets	<u>QTR</u>	<u>YTD</u>	<u>1YR</u>	<u>3YR</u>	<u>5YR</u>	<u>7YR</u>	<u>10YR</u>	<u>15YR</u>
Bloomberg Barclays 1-3-Month T-Bill	0.5%	1.8%	2.3%	1.5%	0.9%	0.7%	0.5%	1.3%
Bloomberg Barclays U.S. TIPS	1.3%	7.6%	7.1%	2.2%	2.4%	1.1%	3.5%	3.9%
Bloomberg Barclays Municipal Bond (5 Year)	0.5%	4.4%	6.0%	2.1%	2.3%	2.1%	2.9%	3.4%
Bloomberg Barclays High Yield Municipal Bond	2.8%	9.7%	10.0%	5.9%	6.0%	5.7%	7.1%	6.1%
Bloomberg Barclays U.S. Aggregate	2.3%	8.5%	10.3%	2.9%	3.4%	2.7%	3.7%	4.2%
Bloomberg Barclays U.S. Corporate High Yield	1.3%	11.4%	6.4%	6.1%	5.4%	5.9%	7.9%	7.3%
Bloomberg Barclays Global Aggregate ex-U.S. Hedged	2.8%	8.8%	10.8%	4.1%	4.6%	4.5%	4.4%	4.6%
Bloomberg Barclays Global Aggregate ex-U.S. Unhedged	(0.6%)	4.4%	5.3%	0.4%	0.9%	0.0%	1.3%	3.1%
Bloomberg Barclays U.S. Long Gov / Credit	6.6%	20.9%	21.9%	5.6%	6.8%	5.3%	7.4%	6.9%
JPMorgan GBI-EM Global Diversified	(0.8%)	7.9%	10.1%	3.0%	0.5%	(0.4%)	2.5%	6.0%
Global Equity Markets	<u>QTR</u>	<u>YTD</u>	<u>1YR</u>	<u>3YR</u>	<u>5YR</u>	<u>7YR</u>	<u>10YR</u>	<u>15YR</u>
S&P 500	1.7%	20.6%	4.2%	13.4%	10.8%	13.2%	13.2%	9.0%
Dow Jones Industrial Average	1.8%	17.5%	4.2%	16.4%	12.3%	13.2%	13.5%	9.5%
NASDAQ Composite	0.2%	21.6%	0.6%	15.9%	13.6%	15.9%	15.6%	11.4%
Russell 3000	1.2%	20.1%	2.9%	12.8%	10.4%	13.0%	13.1%	9.1%
Russell 1000	1.4%	20.5%	3.9%	13.2%	10.6%	13.2%	13.2%	9.2%
Russell 1000 Growth	1.5%	23.3%	3.7%	16.9%	13.4%	15.0%	14.9%	10.4%
Russell 1000 Value	1.4%	17.8%	4.0%	9.4%	7.8%	11.3%	11.4%	7.8%
Russell Mid Cap	0.5%	21.9%	3.2%	10.7%	9.1%	12.6%	13.1%	9.9%
Russell Mid Cap Growth	(0.7%)	25.2%	5.2%	14.5%	11.1%	13.8%	14.1%	10.5%
Russell Mid Cap Value	1.2%	19.5%	1.6%	7.8%	7.5%	11.6%	12.3%	9.3%
Russell 2000	(2.4%)	14.2%	(8.9%)	8.2%	8.2%	10.4%	11.2%	8.2%
Russell 2000 Growth	(4.2%)	15.3%	(9.7%)	9.8%	9.0%	11.4%	12.2%	9.0%
Russell 2000 Value	(0.6%)	12.8%	(8.3%)	6.5%	7.2%	9.3%	10.0%	7.2%
MSCIACWI	(0.0%)	16.2%	1.4%	9.7%	6.7%	8.8%	8.3%	7.1%
MSCI ACWI ex. U.S.	(1.8%)	11.6%	(1.2%)	6.3%	2.9%	5.0%	4.5%	5.7%
MSCIEAFE	(1.1%)	12.8%	(1.3%)	6.5%	3.3%	6.1%	4.9%	5.3%
MSCI EAFE Growth	(0.4%)	17.9%	2.2%	7.8%	5.5%	7.5%	6.5%	6.3%
MSCI EAFE Value	(1.7%)	7.7%	(4.9%)	5.1%	1.0%	4.7%	3.2%	4.3%
MSCI EAFE Small Cap	(0.4%)	12.1%	(5.9%)	5.9%	6.0%	8.6%	7.5%	7.3%
MSCI Emerging Markets	(4.2%)	5.9%	(2.0%)	6.0%	2.3%	2.4%	3.4%	7.8%
Alternatives	<u>QTR</u>	<u>YTD</u>	<u>1YR</u>	<u>3YR</u>	<u>5YR</u>	<u>7YR</u>	<u>10YR</u>	<u>15YR</u>
Consumer Price Index*	0.4%	1.4%	1.7%	2.1%	1.5%	1.5%	1.7%	2.0%
FTSE NAREIT Equity REITs	7.8%	27.0%	18.4%	7.4%	10.3%	10.0%	13.0%	9.0%
S&P Developed World Property x U.S.	2.2%	14.7%	9.0%	5.8%	5.4%	6.5%	7.1%	6.6%
S&P Developed World Property	4.7%	19.5%	12.7%	5.7%	6.9%	7.5%	8.9%	6.9%
Bloomberg Commodity Total Return	(1.8%)	3.1%	(6.6%)	(1.5%)	(7.2%)	(8.2%)	(4.3%)	(3.1%)
HFRI Fund of Funds Composite	(1.1%)	5.0%	(0.2%)	3.1%	1.9%	3.2%	2.7%	2.9%
HFRI Fund Weighted Composite	(0.5%)	6.7%	0.3%	3.8%	2.9%	4.0%	4.0%	4.7%

*One-month lag

Source: Bloomberg

WHY DIVERSIFY?

2010	2011	2012	2013	2014	2015	2016	2017	2018	YTD	10yr Annualized
MLP	MLP	Emerging	Small Growth	REITs	Large Growth	Small Value	Emerging	Cash	REITs	Large Growth
35.9%	13.9%	18.2%	43.3%	30.1%	5.7%	31.7%	37.3%	1.9%	27.0%	14.9%
Small Growth	TIPS	REITs	Small Blend	Large Blend	REITs	Small Blend	Large Growth	Aggregate Bond	Large Growth	Large Blend
29.1%	13.6%	18.1%	38.8%	13.7%	3.2%	21.3%	30.2%	0.0%	23.3%	13.2%
REITs	REITs	Small Value	Small Value	Large Value	Large Blend	MLP	International	TIPS	Large Blend	REITs
28.0%	8.3%	18.1%	34.5%	13.5%	1.4%	18.3%	25.0%	-1.3%	20.6%	13.0%
Small Blend	Aggregate Bond	Large Value	Large Growth	Large Growth	Aggregate Bond	Large Value	Small Growth	Large Growth	Large Value	Small Growth
26.9%	7.8%	17.5%	33.5%	13.0%	0.5%	17.3%	22.2%	-1.5%	17.8%	12.2%
Small Value	High Yield	International	Large Value	Aggregate Bond	Ca s h	High Yield	Large Blend	High Yield	Small Growth	Large Value
24.5%	5.0%	17.3%	32.5%	6.0%	0.0%	17.1%	21.8%	-2.1%	15.3%	11.5%
Emerging	Foreign Bond	Emerging Debt	Large Blend	Small Growth	Hedge Funds	Large Blend	Emerging Debt	Foreign Bond	Small Blend	Small Blend
18.9%	4.4%	16.8%	32.4%	5.6%	-0.3%	12.0%	15.2%	-2.1%	14.2%	11.2%
Commodities	Large Growth	Small Blend	MLP	Small Blend	International	Commodities	Small Blend	Hedge Funds	Small Value	Small Value
16.8%	2.6%	16.3%	27.6%	4.9%	-0.8%	11.8%	14.6%	-4.0%	12.8%	10.1%
Large Growth	Large Blend	Large Blend	International	MLP	Small Growth	Small Growth	Large Value	Large Blend	International	High Yield
16.7%	2.1%	16.0%	22.8%	4.8%	-1.4%	11.3%	13.7%	-4.4%	12.8%	7.9%
Emerging Debt	<u>Balanced</u>	High Yield	Hedge Funds	Small Value	TIPS	Emerging	Balanced	REITs	Balanced	MLP
15.7%	<u>0.9%</u>	15.8%	9.0%	4.2%	-1.4%	11.2%	12.4%	-4.6%	<u>12.2%</u>	6.3%
Large Value	Large Value	Large Growth	High Yield	TIPS	Large Value	Emerging Debt	Foreign Bond	<u>Balanced</u>	High Yield	Balanced
15.5%	0.4%	15.3%	7.4%	3.6%	-3.8%	9.9%	10.5%	<u>-5.3%</u>	11.4%	5.9%
High Yield	Cash	Small Growth	Balanced	Hedge Funds	Small Blend	REITs	Small Value	Emerging Debt	MLP	International
15.1%	0.1%	14.6%	7.0%	3.4%	-4.4%	8.5%	7.8%	-6.2%	11.1%	4.9%
Large Blend	Emerging Debt	Balanced	REITs	Balanced	High Yield	Balanced	Hedge Funds	Large Value	Aggregate Bond	Aggregate Bond
15.1%	-1.8%	<u>10.6%</u>	2.5%	<u>3.3%</u>	-4.5%	<u>8.2%</u>	7.8%	-8.3%	8.5%	3.7%
Balanced	Small Growth	TIPS	Cash	High Yield	Foreign Bond	Large Growth	High Yield	Small Growth	Emerging Debt	TIPS
13.8%	-2.9%	7.0%	0.1%	2.5%	-6.0%	7.1%	7.5%	-9.3%	7.9%	3.5%
International	Small Blend	MLP	Aggregate Bond	Cash	Balanced	TIPS	REITs	Small Blend	TIPS	Emerging
7.8%	-4.2%	4.8%	-2.0%	0.0%	-6.2%	4.7%	5.2%	-11.0%	7.6%	3.4%
Aggregate Bond	Small Value	Hedge Funds	Emerging	Emerging	Small Value	Aggregate Bond	Aggregate Bond	Commodities	Emerging	Hedge Funds
6.5%	-5.5%	4.8%	-2.6%	-2.2%	-7.5%	2.6%	3.5%	-11.2%	5.9%	2.7%
TIPS	Hedge Funds	Aggregate Bond	Foreign Bond	Foreign Bond	Emerging	Foreign Bond	TIPS	MLP	Hedge Funds	Emerging Debt
6.3%	-5.7%	4.2%	-3.1%	-3.1%	-14.9%	1.5%	3.0%	-12.4%	5.0%	2.5%
Hedge Funds	International	Foreign Bond	TIPS	International	Emerging Debt	International	Commodities	Small Value	Foreign Bond	Foreign Bond
5.7%	-12.1%	4.1%	-8.6%	-4.9%	-14.9%	1.0%	1.7%	-12.9%	4.4%	1.3%
Foreign Bond	Commodities	Cash	Emerging Debt	Emerging Debt	Commodities	Hedge Funds	Ca s h	International	Commodities	Cash
4.9%	-13.3%	0.1%	-9.0%	-5.7%	-24.7%	0.5%	0.8%	-13.8%	3.1%	0.5%
Cash	Emerging	Commodities	Commodities	Commodities	MLP	Cash	MLP	Emerging	Cash	Commodities
0.1%	-18.4%	-1.1%	-9.5%	-17.0%	-32.6%	0.3%	-6.5%	-14.6%	1.8%	-4.3%

Total returns as of 9/30/2019 Source: Morningstar and Lipper



DISCLOSURES

Information is obtained from a variety of sources which are believed though not guaranteed to be accurate. Any forecast represents future expectations and actual returns, volatilities and correlations will differ from forecasts. Past performance does not indicate future performance. This presentation does not represent a specific investment recommendation. Please consult with your advisor, attorney and accountant, as appropriate, regarding specific advice.

When referencing asset class returns or statistics, the following indices are used to represent those asset classes. Each index is unmanaged and investors can not actually invest directly into an index: Cash - Citigroup 90 Day T-Bill; TIPS - Bloomberg Barclays US Treasury TIPS; Municipals - Bloomberg Barclays Muni Bond 5-Year; High Yield Municipals - Bloomberg Barclays High Yield Muni Bond; Aggregate Bond - Bloomberg Barclays US Aggregate Bond Index; High Yield - Bloomberg Barclays US Corporate High Yield; Foreign Bond - Bloomberg Barclays Global Aggregate Ex USD; Emerging Debt - JPMorgan GBI-EM Global Diversified Unhedged Index; Large Value - Russell 1000 Value; Large Blend - S&P 500; Large Growth - Russell 1000 Growth; Small Value - Russell 2000 Value; Small Blend - Russell 2000; Small Growth - Russell 2000 Growth; International - MSCI EAFE; Emerging Markets - MSCI EM; Domestic REITs -FTSE NAREIT Equity REITs; Global REITS - S&P Developed World Property; Commodities - Bloomberg Barclays US Treasury TIPS, 31% Bloomberg Barclays US Aggregate Bond Index, 1.5% Bloomberg Barclays Global Aggregate Ex USD, 1.5% Bloomberg Barclays Global Aggregate Ex SD (Hedged), 4% Bloomberg Barclays US Corporate High Yield, 2% JPMorgan GBI-EM Global Diversified Unhedged Index, 17% S&P 500, 6% Russell 2000, 15% MSCI EAFE, 7% MSCI EM, 3% FTSE NAREIT Equity REITs, 2% Bloomberg Commodity Index, 5% Alerian MLP, 2% Citigroup 3 Month T-Bill

^Represents current allocation of the DSA Balanced DPA Model Portfolio and historically tracks allocation changes to that Model. Returns are hypothetical and do not represent the actual returns earned by clients invested in the DSA Balanced DPA Model Portfolio. Please contact us for additional information on the historical allocation of this Model.

