Investment Performance Review Period Ending December 31, 2017

# Port of Houston Authority OPEB Trust



As we embark on a New Year together we first wanted to say, "Thank you" to our clients for giving us the opportunity to work with you. Our mission is to represent the sole interests of our clients by redefining independence. This mission means everything to us. We want to demonstrate this mission every day by maintaining your trust in an evolving financial world. We are extremely grateful to be your consultant and will continue to work tirelessly to uphold your trust and confidence.

As we enter 2018, AndCo has never been stronger and more committed to delivering high quality service. We are 87 people strong, all collectively striving to serve our clients each day. Since most clients do not have the opportunity to interact with our entire firm, we have attached a page which outlines our current organizational structure and illustrates our continued reinvestment in professionals to better serve you. Our steadfast focus on one line of business, general consulting, will remain our singular focus going forward.

Each January, we hold a Firmwide retreat to discuss the previous year's successes and challenges, as well as outline our Strategic plan, including reinforcement of our Mission, Vision and Values. It's a great time for our employees to spend time together and get a better understanding of where the company is going, why we're headed in that direction, and more importantly, the critical role they each play in making it a success. Starting last year, along with this strategic review, we also started the process of announcing new partners at the firm. Since the firm was founded in 2000 by Joe Bogdahn, its foundational goal was to make the firm a multigenerational organization led by the employees. That succession plan was put into place in 2015 and last January we announced 6 new partners – Donna Sullivan, David Ray, Jason Purdy, Bryan Bakardjiev, Steve Gordon and Troy Brown.

This year, we added one new partner – Dan Johnson. Dan has been with the firm for almost 10 years and has worked tirelessly serving his clients and evolving the firm in multiple areas. Dan believes in what we are doing and the value of the independent service model. Dan has continuously demonstrated his willingness to drop everything to help others and help the firm better serve our clients, each other, and the community. As a testament to his contributions, when his name was announced Dan received a standing ovation from his peers. We are honored to have Dan at our firm and part of our ownership team.

At AndCo, we believe in order to continue growing over time, and align interests of all employees, we must continue to recycle equity opportunities back into the organization. This belief embodies our commitment to remain employee owned and managed, as well as reward those team members that have helped make the company what it is today and what it will be going forward. This shared belief also ensures legacy partners will eventually transfer their units to new members.

As such, since Joe initially transferred units back to the firm, I have granted units to new members. I am also happy to acknowledge Dave West as the most recent 1st generation partner to voluntarily recycle his ownership units back into the company. Dave was one of our initial partners and was an instrumental collaborator in the development of the early philosophies and deliverables of the organization. Dave will continue to support the firm by serving our clients with the same passion and enthusiasm into the future as one of our most tenured senior consultants.

So, this New Year we want to say "Thank you" twice: once to you, our valued clients, and once to Dave West for his support, belief and understanding of the AndCo way. We embark on 2018 stronger than ever thanks to your trust, people like Dave, and the rest of our tremendous, growing team.

On behalf of everyone at AndCo, thank you for your partnership.

Mike Welker, CFA® President/CEO





## MANAGEMENT

Mike Welker, CFA President/CEO

Bryan Bakardjiev, CFA **Executive Director** 

**Trov Brown, CFA Executive Director** 

**Steve Gordon Executive Director** 

Kim Spurlin, CPA **Executive Director** 

# **CONSULTANTS**

**Jack Evatt** Director of Consulting

**Dan Johnson** Director of Consulting

**Doug Anderson** 

**Annette Bidart** 

**Mike Bostler** Jon Breth, CFP

Christiaan J. Brokaw, CFA

**Peter Brown** Jennifer Brozstek

Mike Fleiner

Michael Holycross, CIMA Jennifer Gainfort, CFA

**Brian Green** 

Tyler Grumbles, CFA, CIPM

**Ian Jones Tony Kay** 

**Brian King** 

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**Rob Mills, CAIA** 

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Dan Osika, CFA

Asset Strategies

Philip Schmitt, CIMA Head of Fixed Income

**Evan Scussel, CFA, CAIA** Head of Equity

**Matthew Ogren** 

Associate

# RETIREMENT SOLUTIONS

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Director of Retirement Solutions

Joe Carter

Al DiCristofaro

**Amy Heyel** 

**Paul Murray** 

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#### **David Ray**

Director of Client Solutions

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**Amy Foster** 

**Nicole Hampton** 

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Mary Ann Johnson

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# **OPERATIONS**

# Rachel Brignoni, CLSC

Director of Human Resources

## **Jason Purdy**

Director of IT

#### **Jamie Utt**

IT Systems Administrator

#### **Jerry Camel**

Director of Software Development

# **Tim Linger**

Software Developer

## **Brandie Rivera**

Controller

## Derek Tangeman, CFP, **CIMA**

Director of Marketing

# Kim Goodearl

Head of RFPTeam

## Tala Chin

Marketing Analyst

## John Rodak, CIPM

Head of Client On-Boarding

#### **Meghan Haines**

Client On-Boarding Associate

# **Bonnie Burgess**

Office Administrator

## COMPLIANCE

# Matt DeConcini, Esq.

Chief Compliance Officer

Sara Searle

Compliance Officer

# **INVESTMENT COMMITTEE**

Matt DeConcini, Esq. Chief Compliance Officer (Moderator)

**Jack Evatt** 

Director/Senior Consultant

Jeff Gabrione, CFA

Director of Research

**Dan Johnson** 

Director/Senior Consultant

Ian Jones Senior Consultant

**Tim Nash** 

**Mary Nye** 

**Howard Pohl** 

**James Ross** 

**Tim Walters** 

**Greg Weaver** 

**Beth Porzelt** 

**Jeff Pruniski** 

**Albert Sauerland** 

**Donna Sullivan** 

**Brooke Wilson** 

**Dave West, CFA** 

T. Christopher Pipich, CFA

Kerry Richardville, CFA

John Thinnes, CFA, CAIA

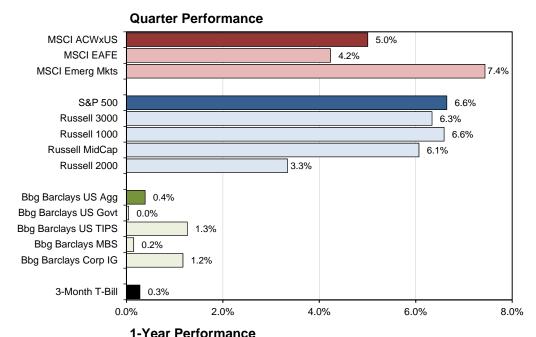
Brendon M. Vavrica, CFP

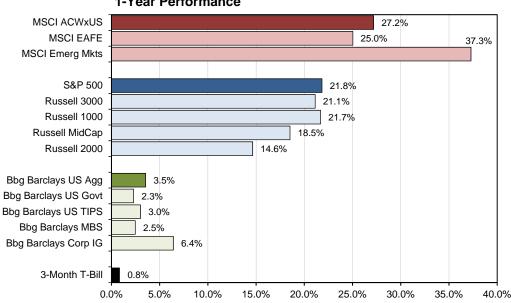
**Jacob Peacock** 

Director of Retirement Solutions



- Market returns were positive across major equity and fixed income indices for the 4<sup>th</sup> quarter and calendar year 2017. Broad domestic and international equity markets continued their year long trend of strong positive performance. Fixed income indices also posted positive results, but equities outpaced fixed income investments for both the quarter and 1-year period as improving macroeconomic data and robust corporate earnings worldwide fostered investor optimism in the continued global economic recovery. The US stock market represented by the Russell 3000 Index returned 6.3% and 21.1% for the quarter and calendar year respectively. While the Russell 3000 outperformed the international MSCI ACWI ex US Index during the 4<sup>th</sup> quarter, international stocks were the best performers of 2017. Domestic equity indices pushed higher as most measures continued to show continued signs of a healthy US economy. Future prospects for lower corporate and individual tax rates following the passage of a republican party led tax code overhaul in December also boosted returns through the period.
- International equity market benchmarks posted considerable gains for both the 4th quarter and year-to-date period with the MSCI ACWI ex US returning 5.0% and 27.2% respectively. Emerging market stocks outpaced both international developed and US equities over both periods with the MSCI Emerging Markets Index returning 7.4% through the guarter and an impressive 37.3% for the calendar year. While developed market international index returns were weaker by comparison, they still posted solid gains with the MSCI EAFE Index returning 25.0% for the 1-year period outpacing major domestic indices. International equities benefitted from continued strength in global fundamental data, a weakening U.S. Dollar (USD) and generally accommodative global central bank policies. This positive trend in economic fundamentals led some global central banks to begin normalizing monetary policy with both the European Central Bank (ECB) and the Bank of England (BoE) taking action during the 4th quarter. Many international markets also saw their returns influenced, both positively and negatively, by ongoing political developments throughout the quarter.
- During the 4<sup>th</sup> quarter, interest rates on the US Treasury Yield Curve rose for short-term maturities, but fell for long-term maturities causing further flattening of the yield curve. The jump in interest rates on the short end of the curve was partially due to increasing investor expectations for a US Federal Reserve (Fed) interest rate hike, which materialized in December. Despite the increase in short-term rates, broad fixed income indices posted modestly positive results with the bellwether Bloomberg Barclays U.S. Aggregate Index returning 0.4% for the quarter and 3.5% for the year. Corporate credit continued its trend of outperformance relative to other investment grade sectors through 2017 as it benefitted from the further tightening of credit spreads relative to Treasuries.

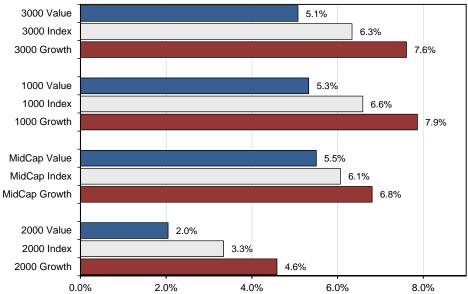




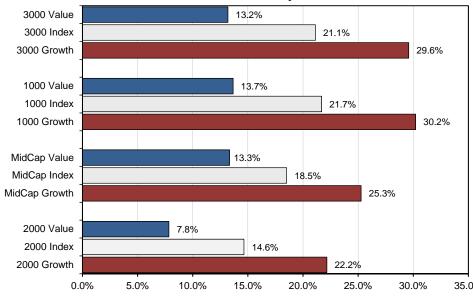


- US equity index returns were solidly positive across the style and capitalization spectrum for the 4<sup>th</sup> quarter and trailing 1-year period. Throughout 2017, there was only one instance of a negative quarterly return being posted by the Russell market cap and style indices, which was a -0.13% return by the Russell 2000 Value Index during 1Q 2017. Quarterly results benefitted from the passage of republican party tax reforms that represented the first major restructuring of the US Tax code since 1986. Investors cheered the reductions to both individual and corporate income tax rates. In particular, the reduction of the corporate tax rate from 35% to 21%, all else equal, should act as a tailwind to corporate earnings and therefore future investment returns. Furthermore, as seen through much of 2017, encouraging economic data continued to facilitate gains in U.S. equity markets as positive trends in GDP, consumer and business sentiment, corporate earnings and employment continued throughout the period.
- During the quarter, large cap stocks outperformed mid and small cap equities. The large cap Russell 1000 Index returned 6.6% during the period, double the 3.3% return posted by the small cap Russell 2000 Index. Calendar year results echo the 4th quarter's with the Russell 1000 gaining 21.7% versus a 14.6% increase for the Russell 2000. This trend of large cap outperformance can be partially explained by their greater to exposure to foreign markets relative to small cap companies. This can be especially beneficial during periods of USD weakness, such as that experienced over the last year, which is typically favorable to exporters and foreign sales. Large cap companies as a whole generate more revenue outside of the US which can expose them to faster growing markets, foreign tax benefits or strengthening foreign currencies.
- Growth indices outperformed value indices across the market cap spectrum for the fourth straight quarter. Performance for growth indices more than doubled value index performance for each respective cap segment with all market cap growth indices posting returns greater than 20% during 2017. Growth benchmarks benefitted from larger exposures to more cyclical names within the information technology, consumer discretionary, health care and industrials sectors. They also benefitted from underweights to more defensive "bond proxy" sectors such as REITs, utilities and telecom. Lower exposure to the energy sector also acted as tailwind to growth benchmarks.
- Domestic equity valuations appear stretched relative to historical levels based on Forward Price/Earnings ratios (P/E), with even the most reasonably valued indices trading above their historical P/E valuations. Index P/E valuations range from 110% to 132% of their respective 15-year P/E averages. The small cap value index appears the most inexpensive and the small cap growth segment looks the most overvalued.

# **Quarter Performance - Russell Style Series**

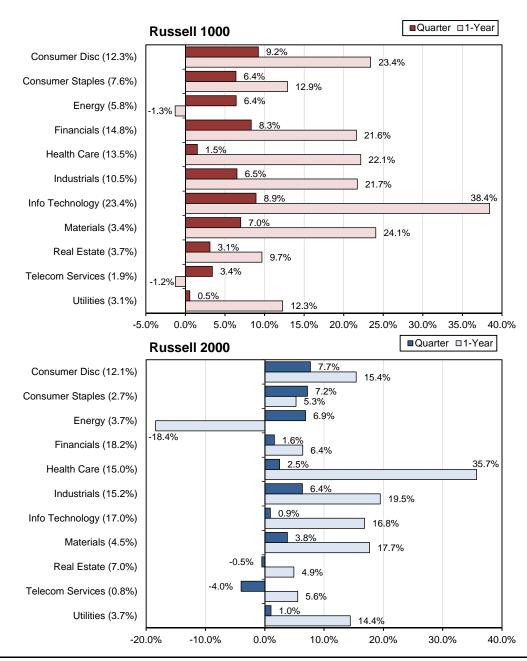


# 1-Year Performance - Russell Style Series





- Sector performance was positive across all sectors for the 4<sup>th</sup> quarter of 2017. However, only four of eleven economic sectors outpaced the Russell 1000 Index return. Cyclical sectors tended to do well through the period with the higher yielding bond proxy sectors lagging on a relative basis. Apparel and retail companies drove performance within the consumer discretionary sector, which returned 9.2%, leading all other sectors. Technology stocks continued their 2017 gains over the quarter benefitting from robust 3<sup>rd</sup> quarter earnings and product demand returning 8.9%. Over the trailing 1-year period, technology was the best performing sector by a relatively wide margin returning an impressive 38.4%. Materials, consumer discretionary, healthcare, industrials and financials all posted returns greater than 20%. Nine of eleven large cap economic sectors posted positive returns for the year with eight posting double digit returns. Energy and telecom services were the only large cap sectors to post negative returns over the last year, returning -1.3% and -1.2% respectively.
- Small cap sector results were mixed relative to their large capitalization counterparts. Five of eleven economic sectors outpaced the Russell 2000 Index return for the quarter, with nine sectors posting positive results for the period. Most of the sector trends observable in large cap index sector performance also impacted small cap sectors. However, there were several notable differences, particularly in technology, telecom services and financials where there was significant underperformance relative to their large cap counterparts. Small cap sectors trailed large cap sectors in those three categorizations by 8.0%, 7.4% and 6.7% during the quarter respectively. Over the 1-year period, ten of eleven sectors have posted gains with six of eleven sectors having returns greater than 10%. Over the one year period, health care stocks were the best performers within the Russell 2000 returning a solid 35.7%. Energy was the only Russell 2000 sector to post a negative return over last year, falling a meaningful -18.4%.
- Using S&P 500 sector valuations as a proxy for the market, forward P/E ratios for eight of the GICS sectors were higher than their long-term averages at quarter-end. Using these historical P/E measures, the energy, materials and utilities sectors appear the most extended. In contrast the technology, health care and telecommunications sectors were trading at a discount to their long-term average P/E ratios.





Top 10 Weighted Stocks								
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector				
Apple Inc	3.43%	10.2%	48.5%	Information Technology				
Microsoft Corp	2.53%	15.4%	40.7%	Information Technology				
Amazon.com Inc	1.83%	21.6%	56.0%	Consumer Discretionary				
Facebook Inc A	1.63%	3.3%	53.4%	Information Technology				
Berkshire Hathaway Inc B	1.50%	8.1%	21.6%	Financials				
Johnson & Johnson	1.49%	8.1%	24.4%	Health Care				
JPMorgan Chase & Co	1.46%	12.6%	26.7%	Financials				
Exxon Mobil Corp	1.40%	3.0%	-3.8%	Energy				
Alphabet Inc C	1.25%	9.1%	35.6%	Information Technology				
Alphabet Inc A	1.24%	8.2%	32.9%	Information Technology				

	Top 10 Weighted Stocks								
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector					
Nektar Therapeutics Inc	0.42%	148.8%	386.7%	Health Care					
bluebird bio Inc	0.41%	29.7%	188.7%	Health Care					
Sage Therapeutics Inc	0.30%	164.4%	222.6%	Health Care					
Exact Sciences Corp	0.29%	11.5%	293.3%	Health Care					
GrubHub Inc	0.29%	36.3%	90.9%	Information Technology					
Catalent Inc	0.26%	2.9%	52.4%	Health Care					
Knight-Swift Transportation Inc A	0.26%	5.4%	33.2%	Industrials					
Curtiss-Wright Corp	0.26%	16.9%	24.6%	Industrials					
EPAM Systems Inc	0.25%	22.2%	67.1%	Information Technology					
Sterling Bancorp	0.25%	0.1%	6.4%	Financials					

Top 10 Performing Stocks (by Quarter)								
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector				
CalAtlantic Group Inc	0.02%	54.1%	66.5%	Consumer Discretionary				
Skechers USA Inc	0.02%	50.8%	53.9%	Consumer Discretionary				
First Solar Inc	0.02%	47.2%	110.4%	Information Technology				
Urban Outfitters Inc	0.01%	46.7%	23.1%	Consumer Discretionary				
L Brands Inc	0.06%	46.5%	-3.9%	Consumer Discretionary				
Regal Entertainment Group A	0.01%	45.4%	17.0%	Consumer Discretionary				
HollyFrontier Corp	0.04%	43.5%	63.2%	Energy				
Twitter Inc	0.06%	42.3%	47.3%	Information Technology				
The Kroger Co	0.10%	37.6%	-19.0%	Consumer Staples				
United States Steel Corp	0.02%	37.4%	7.4%	Materials				

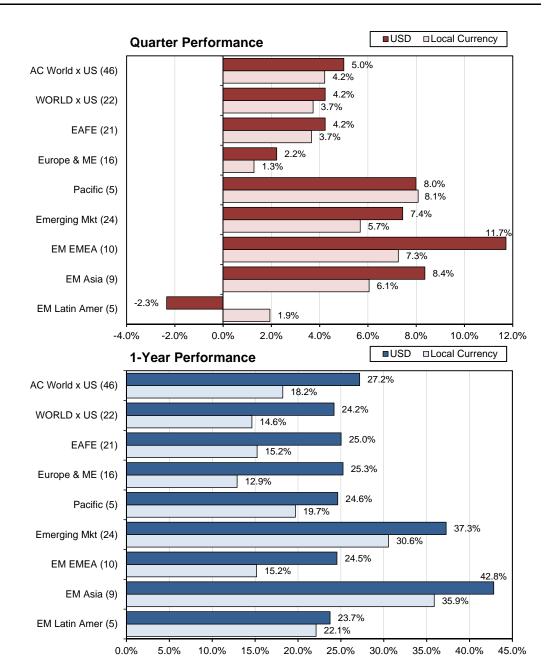
Top 10 Performing Stocks (by Quarter)								
Russell 2000	Weight 1-Qtr Return		1-Year Return	Sector				
Verso Corp A	0.03%	245.2%	147.5%	Materials				
AnaptysBio Inc	0.09%	188.2%	N/A	Health Care				
Sage Therapeutics Inc	0.30%	164.4%	222.6%	Health Care				
Valhi Inc	0.01%	154.6%	82.7%	Materials				
Nektar Therapeutics Inc	0.42%	148.8%	386.7%	Health Care				
Forterra Inc	0.01%	146.7%	-48.8%	Materials				
Ignyta Inc	0.07%	116.2%	403.8%	Health Care				
Overstock.com Inc	0.05%	115.2%	265.1%	Consumer Discretionary				
Madrigal Pharmaceuticals Inc	0.02%	104.1%	516.0%	Health Care				
Boot Barn Holdings Inc	0.01%	86.6%	32.7%	Consumer Discretionary				

Bottom 10 Performing Stocks (by Quarter)								
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector				
Mallinckrodt PLC	0.01%	-39.6%	-54.7%	Health Care				
Intrexon Corp	0.00%	-39.4%	-49.4%	Health Care				
Pandora Media Inc	0.00%	-37.4%	-63.0%	Information Technology				
Tesaro Inc	0.01%	-35.8%	-38.4%	Health Care				
PG&E Corp	0.09%	-34.2%	-24.5%	Utilities				
Acadia Healthcare Co Inc	0.01%	-31.7%	-1.4%	Health Care				
OPKO Health Inc	0.01%	-28.6%	-47.3%	Health Care				
Celgene Corp	0.32%	-28.4%	-9.8%	Health Care				
General Electric Co	0.60%	-27.3%	-42.9%	Industrials				
Newell Brands Inc	0.06%	-27.0%	-29.4%	Consumer Discretionary				

Bottom 10 Performing Stocks (by Quarter)									
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector					
Iconix Brand Group Inc	0.00%	-77.3%	-86.2%	Consumer Discretionary					
Aqua Metals Inc	0.00%	-68.9%	-83.8%	Industrials					
Immune Design Corp	0.01%	-62.3%	-29.1%	Health Care					
GNC Holdings Inc	0.01%	-58.3%	-66.6%	Consumer Discretionary					
Eastman Kodak Co	0.00%	-57.8%	-80.0%	Information Technology					
GenMark Diagnostics Inc	0.01%	-56.7%	-65.9%	Health Care					
Willbros Group Inc	0.00%	-55.9%	-56.2%	Energy					
NanoString Technologies Inc	0.01%	-53.8%	-66.5%	Health Care					
Nordic American Tankers Ltd	0.01%	-53.6%	-67.8%	Energy					
Curis Inc	0.00%	-53.0%	-77.3%	Health Care					



- International equity returns advanced during the 4<sup>th</sup> quarter, largely driven by ongoing improvement in the global economy and continued weakness in the USD. These trends, in tandem with a rally in technology stocks and rising commodity prices, helped emerging markets continue their 2017 outperformance relative to developed market equities. The USD continued its year-to-date decline against most major currencies through the period. This provided additional tailwinds to international index returns denominated in USD. The USD weakness is also visible in the 1-year performance for broad international indices, with all indices showing higher returns in terms of USD.
- Results for broad developed market international indices were positive for the 4th quarter in both USD and local currency terms with the MSCI EAFE Index returning 4.2% and 3.7% respectively. While developed markets advanced on the back of positive economic data, ongoing political developments also impacted several markets thorough the quarter. Enthusiasm over the ECB's decision to extend its quantitative easing program was waned by German Chancellor Merkel's failure to form a coalition government and Catalonia's independence referendum. In the UK, initial concerns over a "hard Brexit" were tempered toward the end of the quarter as a the EU and UK were able to come to a preliminary agreement, increasing the odds of a more amicable separation. Prime Minister Abe's coalition government was successful in Japan's October elections, winning a clear majority and providing reassurance that Japan's current monetary and fiscal policies will likely continue without major change. Performance for the past year has been strong on an absolute basis with the MSCI EAFE Index returning 25.0% and 15.2% in USD and local currency terms respectively.
- The MSCI Emerging Market Index outperformed developed markets during the 4th quarter, returning 7.4% and 5.7% in USD and local currency terms respectively. While the same tailwinds that pushed developed international markets higher also benefitted emerging market equities, rising commodity and technology stock prices also helped gains. Similar to developed markets, political news influenced emerging markets during the quarter. In China, there was a change in posture with a greater focus on quality growth, financial stability and economic reforms. India announced relief for the country's state run banks designed to inject additional liquidity to the financial system to improve lending and stimulate the economy. Mexican stocks suffered as the peso weakened against the dollar and investor concerns surrounding the future of NAFTA's pushed prices lower. Brazil also faced currency headwinds and despite the fact that corruption charges against President Temer were dropped, recent votes indicated that support for future political reforms may have weakened. One year returns for the MSCI Emerging Market Index were an impressive 37.3% in USD terms and 30.6% in terms of local currency.



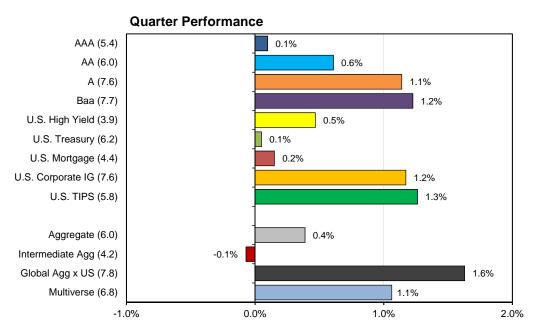


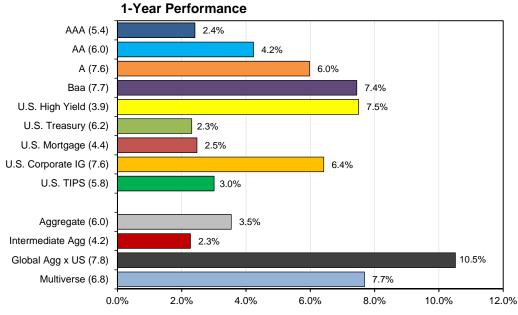
MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	12.3%	5.3%	24.7%
Consumer Staples	11.2%	4.9%	24.1%
Energy	5.3%	10.0%	21.6%
Financials	21.2%	3.0%	24.7%
Health Care	10.1%	0.0%	16.9%
Industrials	14.6%	4.8%	30.0%
Information Technology	6.4%	5.0%	39.3%
Materials	8.2%	8.5%	33.9%
Real Estate	3.6%	6.4%	21.7%
Telecommunication Services	3.9%	0.7%	12.9%
Utilities	3.2%	-1.0%	19.2%
Total	100.0%	4.2%	25.0%
MSCI - ACWIXUS	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	11.3%	6.1%	28.1%
Consumer Staples	9.6%	5.5%	24.0%
Energy	6.7%	7.4%	16.5%
Financials	23.1%	4.5%	26.0%
Health Care	7.6%	1.3%	18.1%
Industrials	11.9%	4.8%	29.4%
Information Technology	11.5%	6.2%	51.1%
Materials	8.2%	8.4%	32.2%
Real Estate	3.2%	5.6%	26.5%
Telecommunication Services	4.0%	1.5%	14.5%
Utilities	2.9%	-0.4%	18.6%
Total	100.0%	5.0%	27.2%
MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	10.2%	9.0%	40.1%
Consumer Staples	6.6%	8.2%	25.5%
Energy	6.8%	7.9%	21.1%
Financials	23.5%	8.2%	32.6%
Health Care	2.7%	16.6%	32.7%
Industrials	5.2%	5.1%	26.1%
Information Technology	27.7%	7.1%	60.6%
Materials	7.4%	8.7%	33.6%
Real Estate	2.8%	3.1%	49.5%
Telecommunication Services	4.8%	3.0%	16.8%
Utilities	2.4%	1.5%	16.6%
Total	100.0%	7.4%	37.3%

	MSCI-EAFE	MSCI-ACWIXUS	Quarter	1- Year
Country	Weight	Weight	Return	Return
Japan	24.0%	16.5%	8.5%	24.0%
United Kingdom	17.8%	12.2%	5.7%	22.3%
France	10.7%	7.3%	1.5%	28.8%
Germany	9.8%	6.7%	2.8%	27.7%
Switzerland	8.0%	5.5%	1.8%	22.5%
Australia	6.9%	4.8%	6.8%	19.9%
Hong Kong	3.6%	2.5%	6.6%	36.2%
Netherlands	3.6%	2.5%	0.8%	32.2%
Spain	3.2%	2.2%	-1.6%	27.1%
Sweden	2.7%	1.8%	-3.8%	20.6%
Italy	2.3%	1.6%	-2.3%	28.4%
Denmark	1.8%	1.3%	2.2%	34.7%
Singapore	1.3%	0.9%	10.1%	35.6%
Belgium	1.1%	0.8%	-1.5%	18.6%
Finland	0.9%	0.6%	-2.6%	22.5%
Norway	0.7%	0.5%	1.9%	28.3%
Ireland	0.5%	0.3%	3.5%	18.1%
Israel	0.5%	0.3%	4.1%	2.1%
Austria	0.3%	0.2%	5.8%	58.3%
New Zealand	0.2%	0.1%	1.5%	11.7%
Portugal	0.2%	0.1%	-2.0%	23.8%
<b>Total EAFE Countries</b>	100.0%	68.7%	4.2%	25.0%
Canada		6.6%	4.3%	16.1%
Total Developed Countries		75.2%	4.2%	24.2%
China		7.4%	7.6%	54.1%
Korea		3.8%	11.4%	47.3%
Taiwan		2.8%	4.0%	27.5%
India		2.2%	11.8%	38.8%
South Africa		1.8%	21.4%	36.1%
Brazil		1.7%	-2.0%	24.1%
Russia		0.8%	4.3%	5.2%
Mexico		0.7%	-8.1%	16.0%
Malaysia		0.6%	7.9%	25.1%
Indonesia		0.6%	8.2%	24.2%
Thailand		0.6%	9.5%	34.5%
Poland		0.3%	5.8%	54.7%
Chile		0.3%	7.2%	42.2%
Philippines		0.3%	6.5%	24.6%
Turkey		0.3%	4.3%	38.4%
United Arab Emirates		0.2%	-4.6%	2.9%
Qatar		0.1%	4.7%	-11.5%
Colombia		0.1%	0.8%	16.3%
Peru		0.1%	7.3%	38.4%
Greece		0.1%	13.3%	28.6%
Hungary		0.1%	7.1%	40.0%
Czech Republic		0.0%	7.8%	35.5%
Egypt		0.0%	-2.1%	5.1%
Pakistan		0.0%	-5.5%	-24.4%
Total Emerging Countries		24.8%	7.4%	37.3%
Total ACWIXUS Countries		100.0%	5.0%	27.2%



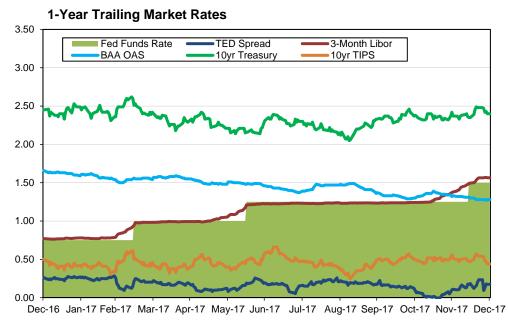
- Broad fixed income benchmarks were slightly positive during the 4th quarter. In October, the Fed began implementation of its plan to gradually reduce its balance sheet by systematically slowing the rate of reinvestment of the Treasury and mortgage backed securities (MBS) it holds on its books as the securities mature. This process will reduce the size of the Fed's balance sheet over time and can be viewed as tightening of monetary policy. Positive macroeconomic data throughout the quarter increased expectations that the Federal Open Market Committee (FOMC) would increase short-term interest rates during the quarter, pushing interest rates higher, especially at the short end of the yield curve. The FOMC announced a 25 bps interest rate hike after its December meeting, however, investors were not surprised by the rate increase and market reactions were relatively muted. Despite subdued inflation, the Fed feels the economy is tracking to be healthy enough to warrant continued tightening in 2018. This caused a flattening of the yield curve as short-term market yields rose and rates on maturities greater than 10 years fell. Long-term rates fell due to the artificially low supply caused by significant Fed ownership of long maturity Treasuries as well as strong investor demand. All else equal, this was a benefit to longer duration indices. While this was a relatively difficult period for fixed income investments, the Bloomberg Barclays U.S. Aggregate Index stayed slightly positive for the quarter and calendar year, returning 0.4% and 3.5% respectively.
- Within investment grade credit, lower quality corporate issues outperformed higher quality issues for both the quarter and 1-year period as contracting credit spreads from improvements in economic fundamentals acted as a tailwind to these issues. Baa rated credit was the best performing investment grade credit quality segment returning 1.2% for the quarter and 7.4% for the year. High yield debt trailed investment grade credit for the quarter due to its lower duration and lack of spread compression relative to investment grade credit. While investment grade spreads tightened 8 bps during the 4<sup>th</sup> quarter, spreads on high yield bonds tightened only 4 bps. However, high yield debt continues to be the largest beneficiary of the strengthening economy over last year with the Bloomberg Barclays High Yield Index appreciating 7.5%.
- A review of sector performance shows that investment grade credit has continued its 2017 trend of outperformance versus Treasuries and MBS securities during the 4<sup>th</sup> quarter. As previously mentioned, corporate issues benefited from tightening credit spreads throughout the period. Treasuries struggled through the quarter due to lower yields and tightening monetary policy. Despite widening spreads and increased supply, MBS managed to outperform Treasuries for the quarter and the year. For calendar year 2017, Treasury securities were the worst performing investment grade sector returning 2.3%, while U.S. investment grade corporate bonds were the best performing investment grade sector gaining 6.4%.

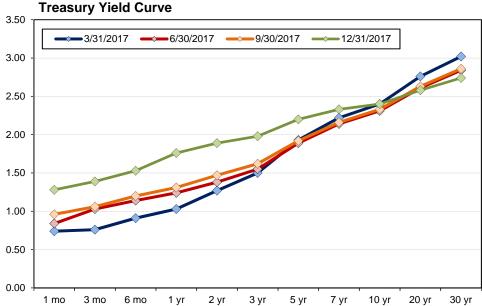






- Global fixed income indices also posted gains for the guarter. Global benchmarks are impacted by the same local yield and duration factors as domestic benchmarks. While these indices have relatively high durations, which benefitted them in the current quarter, the returns of these indices are also significantly influenced by fluctuations in their currency denomination relative to the USD. This currency effect can add additional return to foreign issues as it did during calendar year 2017, or it can further exacerbate negative performance as it did in 2016. Global bonds outperformed domestic issues during the guarter and 1-year period due to their relatively long durations and a currency effect tailwind caused by a weakening USD. Returns on global bonds represented by the Bloomberg Barclays Global Aggregate ex US Index were 1.6% and 10.5% for the 4th quarter and year-to-date period respectively. As the global economy continues to recover, several international central banks have started to move toward a less accommodative posture during the guarter. Notably, the ECB, while extending its current quantitative easing program well into 2018, announced that it be reducing the amount of monthly asset purchases from 60 billion euro per month to 30 billion euro per month. Similarly, despite a dovish stance on future rate increases, the BoE voted to raise interest rates for the first time in a decade.
- Much of the index performance detailed in the bar graphs on the previous page is visible on a time series basis by reviewing the line graphs to the right. The '1-Year Trailing Market Rates' chart illustrates that the 10-year Treasury vield (green line) ended 2017 close to where it began the year, modestly rising during the 4th quarter. During the year, rates peaked during the 1st quarter of 2017 before hitting a low during the 3<sup>rd</sup> quarter. They then gradually rose to end the year slightly lower than where they started, falling to 2.40% from 2.45%. The blue line illustrates changes in the BAA OAS (Option Adjusted Spread). This measure quantifies the additional yield premium that investors require to purchase and hold non-Treasury issues. This line illustrates a steady decline in credit spreads throughout 2017. This decline is equivalent to an interest rate decrease on corporate bonds, which produces a tailwind for corporate bond index returns. These credit spreads have tightened by about 38 bps over the last 12-months. The green shading at the bottom of the graph illustrates the gradual increase in the Federal Funds Rate due to a less accommodative US monetary policy.
- The lower graph provides a snapshot of the U.S. Treasury yield curve at the end of each of the last four calendar quarters. As mentioned, the yield curve continues to flatten as yields on shorter-term maturities have risen, while interest rates on the long end of the curve have generally declined. The significant upward shift in short-term interest rates and decline of long-term interest rates throughout the year is clearly visible.

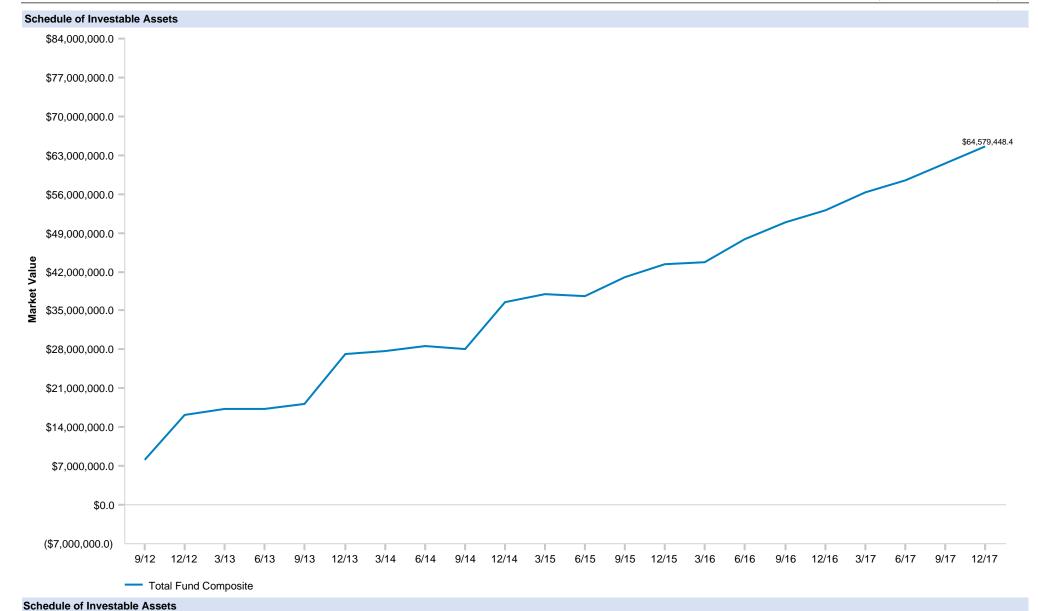






10.9%





Gain/Loss

\$

14,025,310

Net

**Cash Flow** 

\$

42,361,643



%Return

7.88

Ending

Market Value

\$

64,579,448

**Periods Ending** 

Oct-2012 To Dec-2017

Beginning

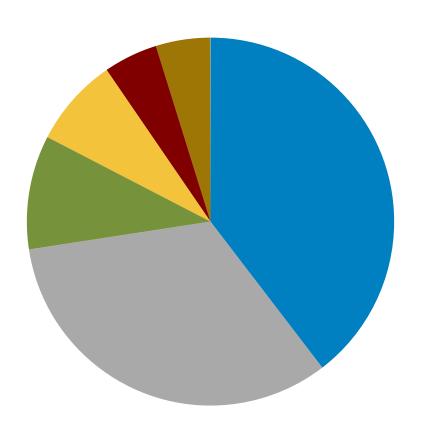
**Market Value** 

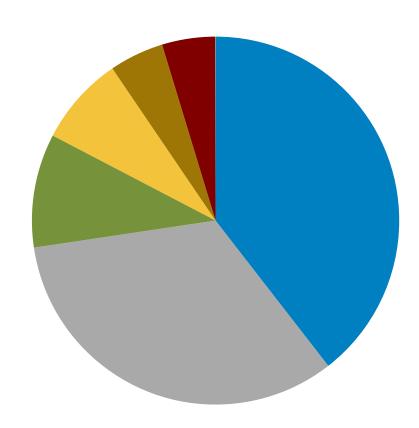
\$

8,192,495

September 30, 2017 : \$61,548,887

December 31, 2017 : \$64,579,448



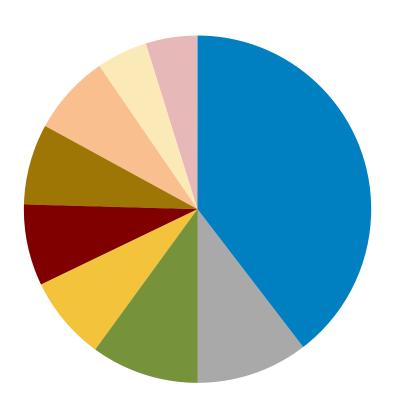


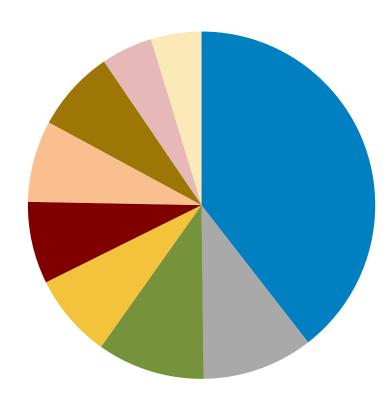
location		Allocation			
	Market Value	Allocation		Market Value	Allocation
Core Plus Fixed Income	24,366,558	39.6	Core Plus Fixed Income	25,500,473	39.5
■ Domestic Equity	20,304,408	33.0	Domestic Equity	21,415,179	33.2
■ MLPs	6,165,370	10.0	MLPs	6,456,960	10.0
International Equity	4,824,028	7.8	International Equity	5,070,319	7.9
■ Real Estate	2,928,854	4.8	High Yield Fixed Income	3,094,626	4.8
■ High Yield Fixed Income	2,927,803	4.8	Real Estate	3,016,728	4.7
Cash	31,866	0.1	Cash	25,163	0.0



September 30, 2017 : \$61,548,887

December 31, 2017 : \$64,579,448





Allocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
■ MacKay Shields Core Plus	24,366,558	39.6	MacKay Shields Core Plus	25,500,473	39.5
■ Barrow Hanley MeWhinney & Strauss	6,411,168	10.4	Barrow Hanley MeWhinney & Strauss	6,670,538	10.3
■ ARI MLP	6,165,370	10.0	■ ARI MLP	6,456,960	10.0
Causeway International (CIVIX)	4,824,028	7.8	Causeway International (CIVIX)	5,070,319	7.9
Stephens Mid Cap Growth	4,663,343	7.6	Stephens Mid Cap Growth	4,935,171	7.6
Fiduciary Management	4,629,333	7.5	Vanguard Index Fund Institutional (VINIX)	4,904,794	7.6
Vanguard Index Fund Institutional (VINIX)	4,600,564	7.5	■ Fiduciary Management	4,904,676	7.6
Cohen & Steers (CSRIX)	2,928,854	4.8	Loomis Sayles High Yield (LSHIX)	3,094,626	4.8
Loomis Sayles High Yield (LSHIX)	2,927,803	4.8	Cohen & Steers (CSRIX)	3,016,728	4.7
Cash	31,866	0.1	Cash	25,163	0.0



Asset Allocation & Performance								
	Allocation	on			Perfo	rmance(%)		
	Market Value \$	%	QTR	1 YR	3 YR	5 YR	Inception	Inception Date
Total Fund Composite (Gross of Fees)	64,579,448	100.0	2.69	10.92	6.16	8.12	7.88	10/01/2012
Policy Index			2.31	9.35	5.27	7.84	7.62	
OPEB Actuarial Assumption			1.65	6.75	6.92	6.99	7.00	
Total Fund Composite (Net of Fees)			2.59	10.48	5.71	7.55	7.31	
Fiduciary Management	4,904,676	7.6	6.11	18.86	10.24	14.63	14.10	10/01/2012
Russell 1000 Value Index			5.33	13.66	8.65	14.04	13.65	
S&P 500 Index			6.64	21.83	11.41	15.79	14.90	
Vanguard Index Fund Institutional (VINIX)	4,904,794	7.6	6.63	N/A	N/A	N/A	13.68	05/01/2017
S&P 500 Index	, ,		6.64	21.83	11.41	15.79	13.70	
Stephens Mid Cap Growth	4,935,171	7.6	6.05	29.36	11.64	14.66	14.66	01/01/2013
Russell Midcap Growth Index			6.81	25.27	10.30	15.30	15.30	
Barrow Hanley MeWhinney & Strauss	6,670,538	10.3	4.24	18.51	12.35	16.73	17.20	10/01/2012
Russell 2000 Value Index			2.05	7.84	9.55	13.01	13.03	
Causeway International (CIVIX)	5,070,319	7.9	5.13	27.18	7.38	N/A	5.11	10/01/2013
MSCI EAFE (Net) Index			4.23	25.03	7.80	7.90	5.57	
Cohen & Steers (CSRIX)	3,016,728	4.7	3.02	7.43	6.18	10.02	10.02	01/01/2013
FTSE NAREIT All Equity REITs			2.48	8.67	6.67	9.84	9.84	
ARI MLP	6,456,960	10.0	-0.45	-6.15	-8.39	3.12	2.78	10/01/2012
Alerian MLP Index			-0.95	-6.52	-9.33	-0.06	-0.72	
MacKay Shields Core Plus	25,500,473	39.5	0.65	4.75	2.86	N/A	2.74	07/01/2014
Bloomberg Barclays U.S. Aggregate Index			0.39	3.54	2.24	2.10	2.48	
Loomis Sayles High Yield (LSHIX)	3,094,626	4.8	1.44	8.42	4.98	6.96	6.96	01/01/2013
BofA Merrill Lynch U.S. High Yield Index			0.41	7.48	6.39	5.80	5.80	
Cash	25,163	0.0						



Asset Allocation & Performance							
	Allocatio	on			Performance(	%)	
	Market Value \$	%	2016	2015	2014	2013	2012
Total Fund Composite (Gross of Fees)	64,579,448	100.0	10.54	-2.43	5.42	17.12	N/A
Policy Index OPEB Actuarial Assumption			9.47 7.00	-2.53 7.00	7.49 7.00	16.29 7.19	12.11 N/A
Fiduciary Management	4,904,676	7.6	14.92	-1.93	13.46	30.21	N/A
Russell 1000 Value Index			17.34	-3.83	13.45	32.53	17.51
S&P 500 Index			11.96	1.38	13.69	32.39	16.00
Vanguard Index Fund Institutional (VINIX)	4,904,794	7.6	N/A	N/A	N/A	N/A	N/A
S&P 500 Index			11.96	1.38	13.69	32.39	16.00
Stephens Mid Cap Growth	4,935,171	7.6	7.86	-0.28	4.61	36.16	N/A
Russell Midcap Growth Index			7.33	-0.20	11.90	35.74	15.81
Barrow Hanley MeWhinney & Strauss	6,670,538	10.3	27.59	-6.22	3.03	48.35	N/A
Russell 2000 Value Index			31.74	-7.47	4.22	34.52	18.05
Causeway International (CIVIX)	5,070,319	7.9	0.48	-3.12	-6.22	N/A	N/A
MSCI EAFE (Net) Index			1.00	-0.81	-4.90	22.78	17.32
Cohen & Steers (CSRIX)	3,016,728	4.7	5.89	5.23	30.18	3.46	N/A
FTSE NAREIT All Equity REITs			8.63	2.83	28.03	2.86	19.70
ARI MLP	6,456,960	10.0	21.44	-32.54	14.43	32.52	N/A
Alerian MLP Index			18.31	-32.59	4.80	27.58	4.80
MacKay Shields Core Plus	25,500,473	39.5	3.99	-0.08	N/A	N/A	N/A
Bloomberg Barclays U.S. Aggregate Index			2.65	0.55	5.97	-2.02	4.21
Loomis Sayles High Yield (LSHIX)	3,094,626	4.8	18.92	-10.27	5.17	15.07	N/A
BofA Merrill Lynch U.S. High Yield Index			17.49	-4.64	2.50	7.42	15.58
Cash	25,163	0.0					

Fiduciary's objective is to buy durable business at value prices in order to achieve top in class investment results over a three to five year time horizon. Fiduciary considers themselves long-term investors, not traders. They will typically hold between 20-30 companies in their portfolio with an average turnover of 35%. The research process is geared toward finding six new investment ideas for the portfolio in a given year. All investment ideas are generated by a research team consisting of six individuals, rather than relying on the portfolio manager. As of December 31, 2017, Fiduciary had a market value of \$4,904,676.

	Fiduciary Management	
		Weight %
	Unitedhealth Group Inc	5.1
	Berkshire Hathaway Inc	5.1
	Comcast Corp	4.7
	Honeywell International Inc	4.5
	Dollar General Corp	4.5
	TJX Companies Inc (The)	4.3
	Accenture PLC	4.2
	JPMorgan Chase & Co	4.0
	Progressive Corp (The)	4.0
	Stanley Black & Decker Inc	3.7
quity Assets Exposures by S	ector	
	Fiduciary Management	Russell 1000 Value Index
ash	11.83	N/A
consumer Discretionary	19.60	6.79
Consumer Staples	4.70	8.60
nergy	3.06	11.03
inancials	16.17	26.64
lealth Care	9.81	13.48
ndustrials	13.86	8.26
nformation Technology	15.71	8.56
1aterials	3.12	2.99
teal Estate	N/A	4.74
elecommunication Services	2.14	3.00
Itilities	N/A	5.91
quity Characteristics		
, ,	Fiduciary Management	Russell 1000 Value Index
Vtd. Avg. Mkt. Cap (\$)	116,068,396,115	127,503,740,570
Price/Earnings ratio	20.1	20.3
Price/Book ratio	3.4	2.2
Current Yield	1.9	2.4
	-	

28



713

Number of Stocks

## **Fund Information**

Fund Name: Vanguard Institutional Index Fund: Vanguard Institutional Index Fund; Institutional

Shares

Fund Family: Vanguard Group Inc

Ticker: VINIX Inception Date: 07/31/1990

Fund Assets: \$141,100 Million

Portfolio Turnover: 5%

Portfolio Assets: \$233,655 Million

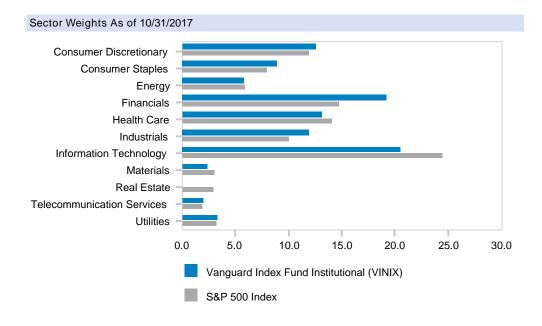
Portfolio Manager : Butler/Louie
PM Tenure : 2000--2017

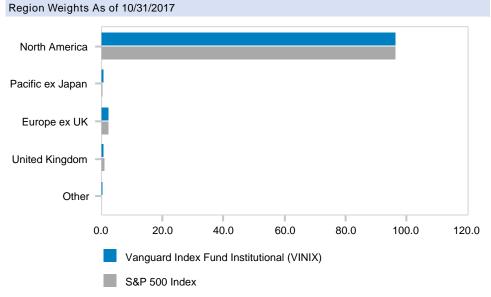
Fund Style: IM S&P 500 Index (MF)

Style Benchmark: S&P 500 Index

Portfolio Characteristics /	As of 10/31/2017	
	Portfolio	Benchmark
Total Securities	509	505
Avg. Market Cap (\$)	181,132,475,329	21,612,106,250
Price/Earnings (P/E)	27.40	22.47
Price/Book (P/B)	6.18	3.36
Dividend Yield	2.32	1.95
Annual EPS	14.23	N/A
5 Yr EPS	11.39	13.08
3 Yr EPS Growth	12.67	N/A
Beta	N/A	1.00

Top Ten Securities As of 10/31/2017		
Apple Inc ORD	3.9 %	
Microsoft Corp ORD	2.9 %	
Amazon.com Inc ORD	2.0 %	
Facebook Inc ORD	1.9 %	
Johnson & Johnson ORD	1.7 %	
JPMorgan Chase & Co ORD	1.6 %	
Exxon Mobil Corp ORD	1.6 %	
Berkshire Hathaway Inc ORD	1.5 %	
Alphabet Inc ORD 1	1.4 %	
Alphabet Inc ORD 2	1.4 %	





Statistics provided by Lipper. Most recent available data shown.



The Stephens Mid Cap Growth portfolio is a diversified portfolio that seeks long term growth of capital by investing primarily in common stock of U.S. companies with market capitalizations of between \$1.5 billion to \$12.5 billion. They select mid cap growth companies that are established growth companies that have achieved above average growth. The combination of core growth and catalyst growth stocks positions the portfolio for varying market conditions. As of December 31, 2017, Stephens had a market value of \$4,935,171.

Stephens	s Mid Cap Growth	Russell Midcap G	rowth Index
	Weight %		Weight %
SVB Financial Group	1.9	Zoetis Inc	1.1
MercadoLibre Inc	1.9	Progressive Corp (The)	1.1
Monster Beverage Corp	1.8	Analog Devices Inc.	1.1
Microchip Technology Inc	1.8	Illumina Inc	1.0
FLIR Systems Inc	1.7	Ross Stores Inc	1.0
CoStar Group Inc	1.7	Lam Research Corp	1.0
IDEXX Laboratories Inc	1.6	Fiserv Inc.	0.9
IPG Photonics Corp	1.6	DXC Technology Company	0.9
MarketAxess Holdings Inc	1.6	Amphenol Corp	0.8
Burlington Stores Inc	1.6	Rockwell Automation Inc.	0.8
Equity Assets Exposures by Sector			
	Stephens Mid Cap Growth	Russell Mid	dcap Growth Index
Cash	2.46		N/A
Consumer Discretionary	14.12		17.57
Consumer Staples	2.98		4.21
Energy	3.73		2.52
Financials	5.84		7.27
Health Care	21.00		13.21
Industrials	12.07		17.24
Information Technology	37.58		27.96
Materials	0.22		6.40
Real Estate	N/A		3.33
Telecommunication Services	N/A		0.22
Utilities	N/A		0.05
Equity Characteristics			
	Stephens Mid Cap Growth		p Growth Index
Wtd. Avg. Mkt. Cap (\$)	15,763,911,004	15,443	3,835,695
Price/Earnings ratio	37.2		29.0
Price/Book ratio	5.5		5.6
Current Yield	0.4		1.0
Number of Stocks	97		421



The strategy is designed to exploit inefficiencies in the small cap sector of the market by carefully employing high value-added proprietary research in a universe of small capitalization, low-expectation stocks. This process is directed toward the discovery of companies in which the value of the underlying business is significantly greater than the market price. The portfolio's goal is to consistently generate superior returns while assuming below average levels of risk. As of December 31, 2017, Barrow, Hanley, MeWhinney & Strauss had a market value of \$6,670,538.

Barrow Hanley	MeWhinney & Strauss	Russell 2000 Va	lue Index
	Weight %		Weight %
II VI Inc	4.5	bluebird bio Inc	0.5
Vishay Intertechnology Inc.	4.4	Sterling Bancorp	0.5
Texas Capital Bancshares Inc	4.2	MGIC Investment Corp	0.5
Ferroglobe PLC	4.1	IDACORP Inc.	0.5
Allegheny Technologies Inc	3.8	Umpqua Holdings Corp	0.5
Plexus Corp	3.3	Wintrust Financial Corp.	0.5
MGIC Investment Corp	3.3	Radian Group Inc.	0.4
Terex Corp	3.2	WGL Holdings Inc.	0.4
American Axle & Manufacturing Holdings Inc	3.1	Snyder's-Lance Inc	0.4
Trex Co Inc	3.1	Hancock Holding Co	0.4
Equity Assets Exposures by Sector			
	Barrow Hanley MeWhinney & Strauss	Russell 2	2000 Value Index
Cash	3.76		N/A
Consumer Discretionary	4.90		10.94
Consumer Staples	2.77		2.77
Energy	2.50		6.80
Financials	13.65		30.36
Health Care	4.00		6.20
Industrials	30.57		12.11
Information Technology	25.61		8.97
Materials	12.25		4.48
Real Estate	N/A		10.31
Telecommunication Services	N/A		0.50
Utilities	N/A		6.56
Equity Characteristics			
	Barrow Hanley MeWhinney & Strauss		0 Value Index
Wtd. Avg. Mkt. Cap (\$)	2,673,114,954	2,112,	102,682
Price/Earnings ratio	21.8		19.3
Price/Book ratio	2.2		1.8
Current Yield	0.7		1.9
Number of Stocks	40		1,387



## **Fund Information**

Fund Name: Causeway Capital Management Trust: Causeway International Value Fund;

Institutional Class Shares

Fund Family: Causeway Capital Management LLC

Ticker: CIVIX
Inception Date: 10/26/2001
Fund Assets: \$7,691 Million

Portfolio Turnover: 41%

Portfolio Assets: \$8,499 Million

Portfolio Manager: Team Managed

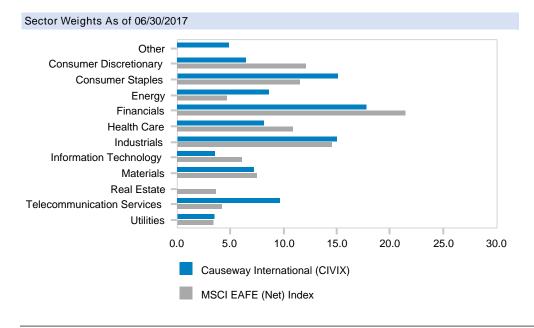
PM Tenure:

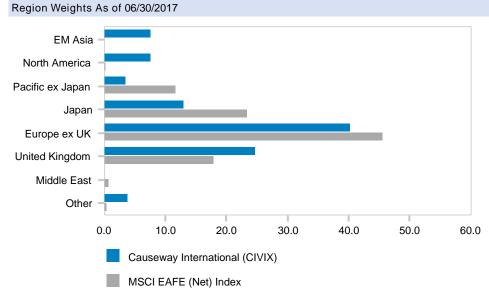
Fund Style: IM International Large Cap Value Equity (MF)

Style Benchmark: MSCI EAFE (Net) Index

Portfolio Characteristics As of 06/30/2017		
	Portfolio	Benchmark
Total Securities	57	927
Avg. Market Cap (\$)	65,724,268,771	10,401,465,783
Price/Earnings (P/E)	22.32	17.31
Price/Book (P/B)	2.78	2.21
Dividend Yield	2.79	3.16
Annual EPS	20.36	N/A
5 Yr EPS	-0.70	5.13
3 Yr EPS Growth	0.08	N/A
Beta (3 Years, Monthly)	0.90	1.00

Top Ten Securities As of 06/30/2017		
Volkswagen AG PFD	4.3 %	
Invesco Government & Agency Portfolio;In	3.3 %	
Royal Dutch Shell Plc B ORD	3.2 %	
British American Tobacco PLC ORD	2.9 %	
Schneider Electric SE ORD	2.8 %	
China Mobile Ltd ORD	2.8 %	
ABB Ltd ORD	2.7 %	
KDDI Corp ORD	2.7 %	
Novartis AG ORD	2.7 %	
Barclays PLC ORD	2.7 %	





Statistics provided by Lipper. Most recent available data shown.



## **Fund Information**

Fund Name: Cohen & Steers Institutional Realty Shares, Inc. \$2,827 Million Portfolio Assets: Fund Family: Cohen & Steers Capital Management Inc Portfolio Manager: Team Managed Ticker: **CSRIX** 

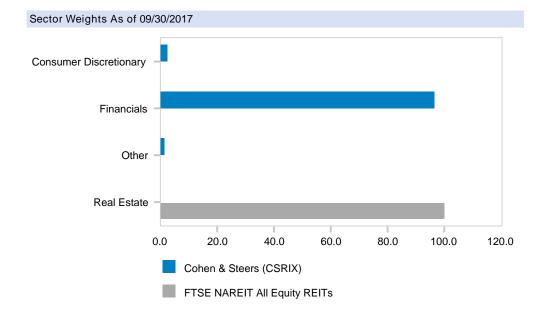
PM Tenure:

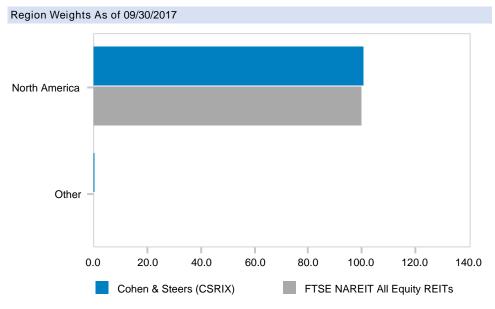
Inception Date: 02/14/2000 Fund Style: IM Real Estate Sector (MF) Fund Assets: \$2,827 Million Style Benchmark: FTSE NAREIT All Equity REITs

Portfolio Turnover: 79%

Portfolio Characteristics As of 09/30/2017		
	Portfolio	Benchmark
Total Securities	52	169
Avg. Market Cap (\$)	15,950,692,843	3,336,460,800
Price/Earnings (P/E)	42.11	32.56
Price/Book (P/B)	3.83	2.58
Dividend Yield	3.55	3.87
Annual EPS	15.29	N/A
5 Yr EPS	21.39	23.63
3 Yr EPS Growth	21.57	N/A
Beta (5 Years, Monthly)	1.02	1.00

Top Ten Securities As of 09/30/2017	
Equinix Inc ORD	5.2 %
UDR Inc ORD	5.2 %
Simon Property Group Inc ORD	5.1 %
Digital Realty Trust Inc ORD	4.1 %
Prologis Inc ORD	4.0 %
Crown Castle International Corp	3.6 %
HCP Inc ORD	3.2 %
Essex Property Trust Inc ORD	3.2 %
Healthcare Trust Of America Inc	3.1 %
Apartment Investment and Management	3.1 %





Statistics provided by Lipper. Most recent available data shown.



The ARI Master Limited Partnerships (MLPs) strategy is a diversified portfolio consisting primarily of publicly traded partnerships focused in the natural resources and energy infrastructure industries. The objective is to provide high levels of total returns and a growing cash yield. It offers low correlation to the broader equity market over the long-term. As of December 31, 2017, ARI had a market value of \$6,456,960.

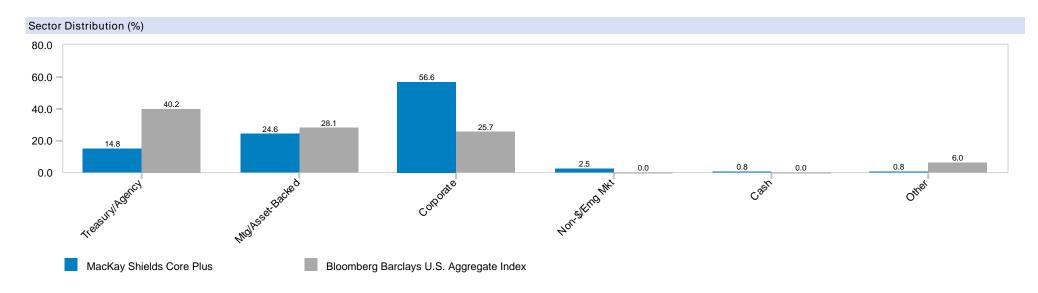
ARI MLP		Alerian MLP	
	Weight %		Weight %
DCP Midstream LP	8.2	Enterprise Products Partners LP	18.0
Magellan Midstream Partners LP	8.2	Williams Partners LP	11.9
Energy Transfer Partners LP	7.8	Energy Transfer Partners LP	6.5
Andeavor Logistics LP	7.7	Plains All American Pipeline LP	5.2
MPLX LP	7.6	Magellan Midstream Partners LP	5.1
Phillips 66 Partners LP	7.5	MPLX LP	4.9
Antero Resources Midstream Management LLC	5.3	Cheniere Energy Partners LP	4.5
Williams Partners LP	4.7	Spectra Energy Partners LP	3.9
Plains All American Pipeline LP	4.7	Andeavor Logistics LP	3.2
EQT Midstream Partners LP	4.3	Western Gas Partners Lp	2.5
Equity Assets Exposures by Sector			
ARI ML	Р	Alerian MI	LP
Cash 0.5	)	N/A	
Energy 99.5	)	98.17	
Utilities N/A	A	1.83	

Equity Characteristics		
	ARI MLP	Alerian MLP
Wtd. Avg. Mkt. Cap (\$)	10,797,372,216	21,333,507,416
Price/Earnings ratio	19.9	20.7
Price/Book ratio	2.6	2.6
Current Yield	7.3	7.2
Number of Stocks	26	40



MacKay Shields Core Plus seeks to outperform the benchmark by eliminating or reducing uncompensated risk while opportunistically allocating investments across a range of core and off-benchmark sectors. The fund typically invests in the same sectors represented by the Barclays U.S. Aggregate Bond Index, as well as high yield, emerging market debt, and non-US Dollar exposure. Their philosophy is centered on their pursuit of consistent, superior rates of return with low volatility. Their goal for the product is to provide enhanced returns over a full market cycle with lower-than market risk. This portfolio replaced Smith

Affiliated during the second quarter of 2014. As of December 31, 2017, MacKay Shields had a market value of \$25,500,473.



	Portfolio	Benchmark
Avg. Maturity	8.04	8.27
Avg. Quality	A	Aa2
Coupon Rate (%)	3.83	3.06
Modified Duration	N/A	N/A
Yield To Maturity (%)	3.12	2.71
Holdings Count	N/A	N/A



## **Fund Information**

Fund Name: Loomis Sayles Funds I: Loomis Sayles Institutional High Income Fund; Institutional Portfolio Assets:

Class

Fund Family: Loomis Sayles & Company LP

Ticker: LSHIX
Inception Date: 06/05/1996
Fund Assets: \$733 Million

Portfolio Turnover: 17%

Portfolio Manager :	Fuss/Eagan/Stokes
PM Tenure:	199620072007

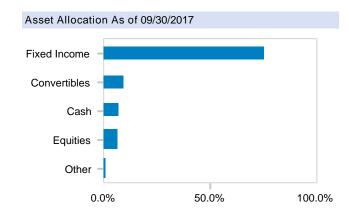
Fund Style: IM U.S. High Yield Bonds (MF)
Style Benchmark: Citigroup High Yield Market Index

\$733 Million

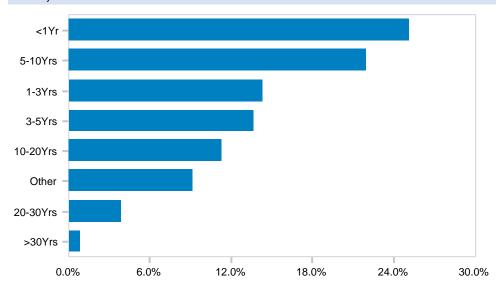
# Fund Characteristics As of 09/30/2017

Avg. Coupon	5.06 %
Nominal Maturity	N/A
Effective Maturity	5.69 Years
Duration	3.71 Years
SEC 30 Day Yield	5.5
Avg. Credit Quality	BB

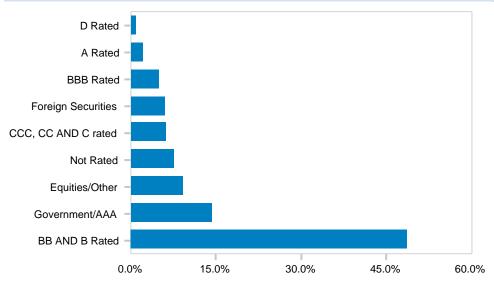
Top Ten Securities As of 09/30/2017	
Corporate Notes/Bonds	62.5 %
Convertible Securities	9.6 %
Common Stock	6.7 %
Fgn. Currency Denominated Bonds	5.9 %
Treasury Notes/Bonds	4.5 %
Government Agency Securities	3.2 %
Preferred Stock-Non Convertible	0.2 %
Asset Backed Securities	0.1 %



# Maturity Distribution As of 09/30/2017



# Sector/Quality Allocation As of 09/30/2017



Statistics provided by Lipper. Most recent available data shown.



Manager	Mandate	Status	Notes
Fiduciary Management	Large Cap Value Equity	In Compliance	
Vanguard Index Fund (VINIX)	Large Cap Core Equity	In Compliance	
Stephens Mid Cap Growth	Mid Cap Growth Equity	In Compliance	
Barrow Hanley MeWhinney & Strauss	Small Cap Value Equity	In Compliance	
Causeway International (CIVIX)	International Equity	In Compliance	
Cohen & Steers (CSRIX)	Real Estate and Investement Trust	In Compliance	
ARI MLP	Master Limited Partnership	In Compliance	
Mackay Shields Core Plus	Core Plus Fixed Income	In Compliance	
Loomis Sayles High Yield (LSHIX)	High Yield Fixed Income	In Compliance	

In Compliance- The portfolio is acting in full compliance with its guidelines and it is performing according to expectations.

On Alert- Concerns exist with the portfolio's performance, a change in investment characteristics, management style, ownership structure, staff or other related events.

On Notice- A continued and serious problem with any of the issues mentioned above. If the situation is not resolved to the Trustee's satisfaction, a replacement will be replaced and hired.



	Estimated Annual Fee (%)	Market Value (\$)	Estimated Annual Fee (\$)	Fee Schedule
Total Fund Composite	0.51	64,579,448	328,286	
Equity Composite	0.61	35,959,186	217,991	
Domestic Equity	0.47	21,415,179	100,291	
Fiduciary Management Vanguard Index Fund Institutional (VINIX)	0.55 0.04	4,904,676 4,904,794	26,976 1,962	0.55 % of Assets 0.04 % of Assets
Stephens Mid Cap Growth Barrow Hanley MeWhinney & Strauss	0.77 0.50	4,935,171 6,670,538	38,001 33,353	0.77 % of Assets 0.50 % of Assets
International Equity	0.92	5,070,319	46,647	
Causeway International (CIVIX)	0.92	5,070,319	46,647	0.92 % of Assets
Real Estate	0.75	3,016,728	22,625	
Cohen & Steers (CSRIX)	0.75	3,016,728	22,625	0.75 % of Assets
MLPs	0.75	6,456,960	48,427	
ARI MLP	0.75	6,456,960	48,427	0.75 % of Assets
Fixed Income Composite	0.39	28,620,262	110,295	
Core Plus Fixed Income	0.35	25,500,473	89,252	
MacKay Shields Core Plus	0.35	25,500,473	89,252	0.35 % of Assets
High Yield Fixed Income	0.68	3,094,626	21,043	
Loomis Sayles High Yield (LSHIX)	0.68	3,094,626	21,043	0.68 % of Assets



# Port of Houston OPEB Fee Summary As of December 31, 2017

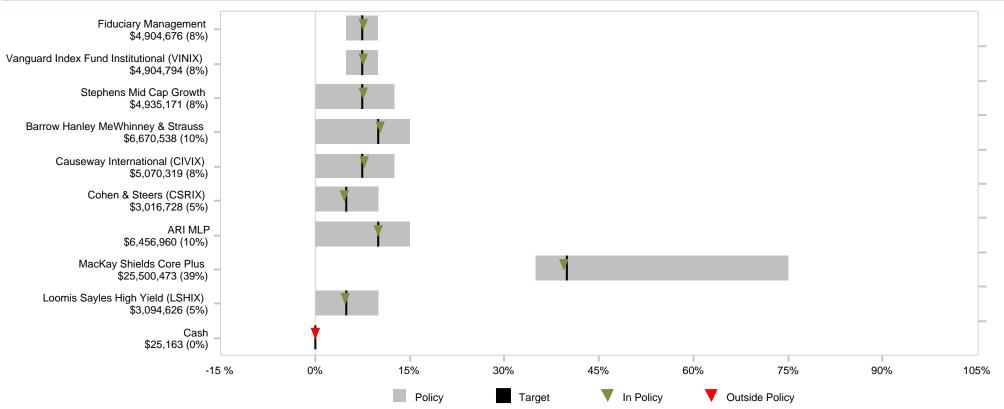
Structure	Mandate	Expense Ratio	Category Average	Difference	Annual Savings
Fiduciary Management	Large Cap Value Equity	0.55%	1.21%	0.66%	\$32,371
Vanguard Index Fund (VINIX)	Large Cap Core Equity	0.04%	1.21%	1.17%	\$57,386
Stephens Mid Cap Growth	Mid Cap Growth Equity	0.77%	1.35%	0.58%	\$28,624
Barrow Hanley MeWhinney & Strauss	Small Cap Value Equity	0.50%	1.40%	0.90%	\$60,035
Causeway International (CIVIX)	International Equity	0.92%	1.16%	0.24%	\$12,169
Cohen & Steers (CSRIX)	Real Estate and Investement Trust	0.75%	1.31%	0.56%	\$16,894
ARI MLP	Master Limited Partnership	0.75%	1.00%	0.25%	\$16,142
Mackay Shields Core Plus	Core Plus Fixed Income	0.35%	0.84%	0.49%	\$124,952
Loomis Sayles High Yield (LSHIX)	High Yield Fixed Income	0.68%	1.08%	0.40%	\$12,379
Total Management Fees		0.51%	1.07%	0.56%	\$360,951

Source: Morningstar and Investment Managers



	Asset Allocation \$	Current Allocation (%)	Target Allocation (%)	Differences (%)	Minimum Allocation (%)	Maximum Allocation (%)
Total Fund Composite	64,579,448	100.0	100.0	0.0		
Fiduciary Management	4,904,676	7.6	7.5	0.1	5.0	10.0
Vanguard Index Fund Institutional (VINIX)	4,904,794	7.6	7.5	0.1	5.0	10.0
Stephens Mid Cap Growth	4,935,171	7.6	7.5	0.1	0.0	12.5
Barrow Hanley MeWhinney & Strauss	6,670,538	10.3	10.0	0.3	0.0	15.0
Causeway International (CIVIX)	5,070,319	7.9	7.5	0.4	0.0	12.5
Cohen & Steers (CSRIX)	3,016,728	4.7	5.0	-0.3	0.0	10.0
ARI MLP	6,456,960	10.0	10.0	0.0	0.0	15.0
MacKay Shields Core Plus	25,500,473	39.5	40.0	-0.5	35.0	75.0
Loomis Sayles High Yield (LSHIX)	3,094,626	4.8	5.0	-0.2	0.0	10.0
Cash	25,163	0.0	0.0	0.0	0.0	0.0

# **Executive Summary**





Α	١cti	ive	Re	≀tu	ırn

- Arithmetic difference between the manager's performance and the designated benchmark return over a specified time period.

#### Alpha

- A measure of the difference between a portfolio's actual performance and its expected return based on its level of risk as determined by beta. It determines the portfolio's non-systemic return, or its historical performance not explained by movements of the market.

#### Beta

- A measure of the sensitivity of a portfolio to the movements in the market. It is a measure of the portfolio's systematic risk.

## Consistency

- The percentage of quarters that a product achieved a rate of return higher than that of its benchmark. Higher consistency indicates the manager has contributed more to the product's performance.

#### Distributed to Paid In (DPI)

- The ratio of money distributed to Limited Partners by the fund, relative to contributions. It is calculated by dividing cumulative distributions by paid in capital. This multiple shows the investor how much money they got back. It is a good measure for evaluating a fund later in its life because there are more distributions to measure against.

# **Down Market Capture**

- The ratio of average portfolio performance over the designated benchmark during periods of negative returns. A lower value indicates better product performance

## **Downside Risk**

- A measure similar to standard deviation that utilizes only the negative movements of the return series. It is calculated by taking the standard deviation of the negative quarterly set of returns. A higher factor is indicative of a riskier product.

#### **Excess Return**

- Arithmetic difference between the manager's performance and the risk-free return over a specified time period.

#### Excess Risk

- A measure of the standard deviation of a portfolio's performance relative to the risk free return.

#### Information Ratio

- This calculates the value-added contribution of the manager and is derived by dividing the active rate of return of the portfolio by the tracking error. The higher the Information Ratio, the more the manager has added value to the portfolio.

#### **Public Market Equivalent (PME)**

- Designs a set of analyses used in the Private Equity Industry to evaluate the performance of a Private Equity Fund against a public benchmark or index.

#### R-Squared

- The percentage of a portfolio's performance that can be explained by the behavior of the appropriate benchmark. A high R-Squared means the portfolio's performance has historically moved in the same direction as the appropriate benchmark.

#### Return

- Compounded rate of return for the period.

#### Sharpe Ratio

- Represents the excess rate of return over the risk free return divided by the standard deviation of the excess return. The result is an absolute rate of return per unit of risk. A higher value demonstrates better historical risk-adjusted performance.

#### Standard Deviation

- A statistical measure of the range of a portfolio's performance. It represents the variability of returns around the average return over a specified time period.

#### Total Value to Paid In (TVPI)

- The ratio of the current value of remaining investments within a fund, plus the total value of all distributions to date, relative to the total amount of capital paid into the fund to date. It is a good measure of performance before the end of a fund's life

#### **Tracking Error**

- This is a measure of the standard deviation of a portfolio's returns in relation to the performance of its designated market benchmark.

#### **Treynor Ratio**

- Similar to Sharpe ratio but utilizes beta rather than excess risk as determined by standard deviation. It is calculated by taking the excess rate of return above the risk free rate divided by beta to derive the absolute rate of return per unit of risk. A higher value indicates a product has achieved better historical risk-adjusted performance.

#### **Up Market Capture**

- The ratio of average portfolio performance over the designated benchmark during periods of positive returns. A higher value indicates better product performance.



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