Investment Performance Review Period Ending September 30, 2018

### Port of Houston Authority OPEB Trust

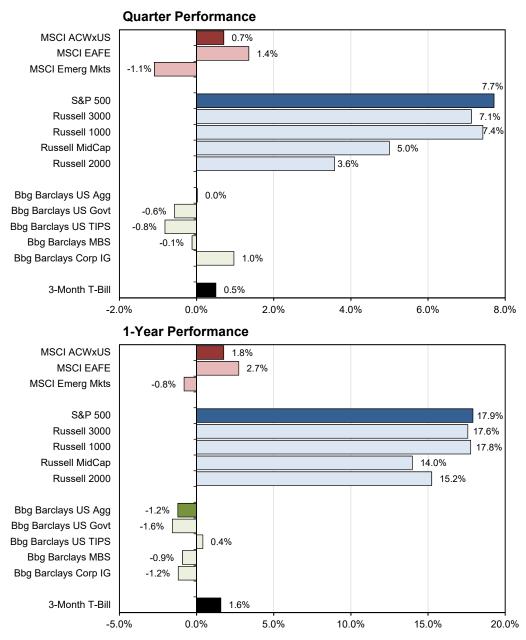


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**3rd Quarter 2018 Market Environment** 

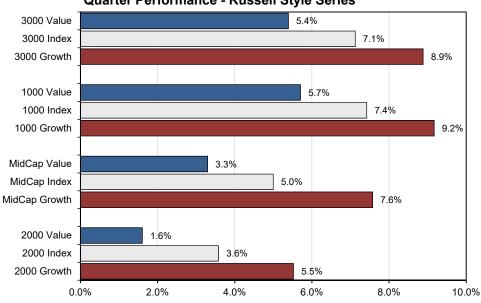


- Market returns were mixed across major equity and fixed income indices for the 3rd guarter of 2018 with many themes from the 2nd guarter repeating during the current period. Broad domestic equity indices pushed higher on continued strength in both economic and corporate earnings data. Corporate earnings continue to benefit from fiscal stimulus tailwinds in the form of the late 2017 tax reform. International indices underperformed domestic indices during the period, posting more muted returns in US dollar (USD) terms, as investors weighed relatively soft economic data, a strengthening USD and geopolitical concerns, especially around global trade relations. Fixed income returns were flat for the guarter as interest rates continued to rise. Domestic stocks rose as concerns around ongoing monetary policy tightening by the Federal Reserve (Fed) and an escalating trade war between the US and China were not substantial enough to dampen investor enthusiasm around the ongoing strength of the US economy. The US stock market represented by the Russell 3000 Index returned 7.1% and 17.6% for the guarter and 1-year period respectively.
- International equity returns finished the quarter slightly positive with the MSCI ACWI ex US Index returning 0.7%. Developed market stocks pushed higher through the period, however, relatively subdued economic growth and ongoing political and trade uncertainty tempered returns versus domestic equities. The developed market MSCI EAFE Index gained 1.4% during the quarter. Emerging market stocks struggled in comparison, posting negative returns for the period, as trade tensions grew between the US and China. In addition, a strengthening USD caused headwinds for most international markets, but caused particular difficulties for emerging market countries that issue debt in USD. The MSCI Emerging Markets Index posted a small decline of -1.1% during the 3rd quarter. The relative outperformance of developed markets can also be seen in the 1-year period with the MSCI EAFE and MSCI Emerging Markets indices returning 2.7% and -0.8% respectively.
- Interest rates on the US Treasury Yield Curve continued their year-to-date rise during the 3rd quarter as investor expectations for further Fed tightening of monetary policy increased during the period. The yield curve did flatten slightly as interest rates had the greatest increase in short-term maturities, but overall, the shift in rates was fairly consistent throughout the entire curve. The Fed did implement another interest rate increase following their September meeting citing the continued strength of the US economy and stable inflation. The broad market Bloomberg Barclays US Aggregate Index was flat for the quarter returning 0.0% and is slightly negative over the 1-year period returning -1.2%. Corporate issues rebounded following underperformance during the first half of the year and were the only investment grade sector to post a positive return during the quarter, as they benefitted from tightening credit spreads and strong investor demand.

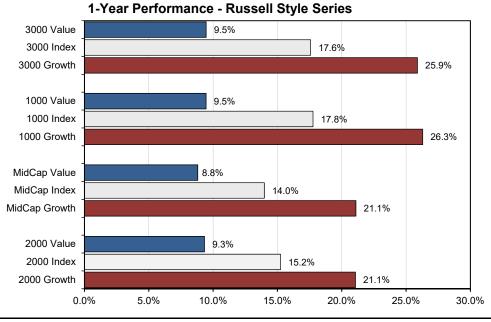




- US equity index returns were positive across the style and capitalization spectrum during the 3rd guarter of 2018. US equity markets were pushed higher by the ongoing strength in US economic data and corporate earnings. Positive data releases in GDP, unemployment, retail sales, consumer consumption and investor sentiment highlighted the continued health of the US economy. Corporate earnings released during the guarter were also impressive. Earnings reported for S&P 500 companies were up over 20% on a year-over-year basis for the second straight quarter as corporate profits continued to benefit from the new tax code. The current expansion in US equity markets now marks the longest bull market in history. While the positive economic data drove returns through the guarter, trade negotiations with China broke down with both the US and China instituting several rounds of new tariffs during the period. Currently the US is imposing tariffs on \$250 billion of Chinese imports with China placing tariffs on \$110 billion worth of goods. Further action has been threatened by both countries. While negotiations with China have been unsuccessful, progress was made in the renegotiation of the North American Free Trade Agreement (NAFTA) and discussions with the European Union (EU) appear to be moving ahead productively.
- During the quarter, large cap stocks outperformed mid and small cap equities across growth, value and core indices. The large cap Russell 1000 Index returned 7.4% for the quarter versus a 3.6% return for the Russell 2000 Index. The Russell 1000 benefitted from strong performance from some of its largest exposures. Apple Inc, Microsoft Corp and Amazon.com Inc alone make up over 10% of the index and posted quarterly returns of 22.4%, 16.4% and 17.8% respectively. Those same three stocks have gained 48.7%, 56.3% and 108.4% over the 1-year period. This strong performance from some of the index's largest constituents has helped large caps outperform small caps over the 1-year period as well with the Russell 1000 returning 17.8% over the trailing year while the Russell 2000 posted a still solid return of 15.2%.
- Growth stocks outperformed value stocks across the market cap spectrum during the 3rd quarter. The large cap Russell 1000 Growth Index was the best performing style index for the period returning a notable 9.2% for the quarter. The outperformance of growth indices relative to value indices is also evident over the 1-year period as growth indices continue to show significant outperformance relative to their value counterparts. The returns for growth indices more than double the returns of the corresponding value indices over the last 12 months. 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 sectors such as REITs and utilities.

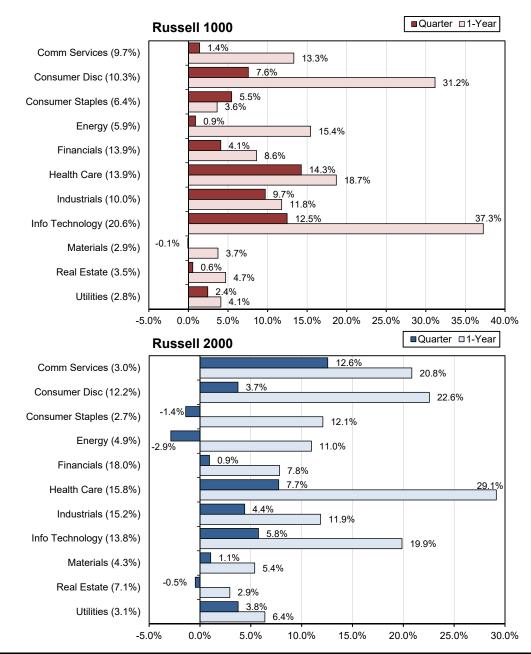








- Both S&P Dow Jones Indices and MSCI made changes to the Global Industry Classification Standard (GICS) sector configurations of their indices, creating a new GICS sector classification called Communication Services which replaced the Telecommunications sector on September 28, 2018. The Communication Services sector is comprised of companies in the Telecommunications sector, as well as certain companies formerly classified as Consumer Discretionary and Information Technology. As a result, the sector, went from a weighting of about 2% of the Russell 1000 Index to almost 10% post reclassification. Notable names now classified under Communication Services include Netflix, Alphabet, Facebook and Disney. This is just the second change to the GICS classifications since 1999.
- Sector performance was broadly positive across large cap sectors for the 3rd quarter. Ten of eleven sectors had positive returns for the quarter with four outpacing the Russell 1000 Index return. The consumer discretionary sector continues to do well on the back of strong retail sales and increased consumer spending, gaining 7.6% for the period. Health care and technology stocks increased 14.3% and 12.5% during the quarter respectively, with companies in both sectors reporting strong earnings. Industrials benefitted from continued economic strength returning 9.7%. The largest detractors for the quarter were the materials, real estate and energy sectors which returned -0.1%, 0.6% and 0.9% respectively. Over the trailing 1-year period, all large cap all sectors were positive. The information technology and consumer discretionary sectors were the best performers, returning over 30% over the last 12 months, and six of eleven sectors have returns over 10% for the year.
- Quarterly results for small cap sectors were generally lower relative to their large capitalization counterparts. Nine of eleven sectors had positive returns during the period with six of eleven economic sectors outpacing the Russell 2000 Index return for the quarter. Energy, consumer staples and real estate posted negative returns for the period returning -2.9%, -1.4% and -0.5% respectively. Communications services and health care were the best performers returning 12.6% and 7.7%. Over the trailing 1-year period, all eleven sectors posted gains. Health care stocks were the best performers within the Russell 2000 for the trailing year returning a solid 29.1%. Communication services, technology, and consumer discretionary also had particularly robust returns for the 1-year period.
- Using S&P 500 sector valuations as a proxy for the market, forward P/E ratios for seven of the eleven GICS sectors were higher than their long-term averages at quarter-end. Using these historical P/E measures, the utilities, consumer discretionary and real estate sectors appear the most extended. In contrast the financials, technology and health care sectors were trading at a discount to their long-term average P/E ratios.





The Market Environment Top 10 Index Weights & Quarterly Performance for the Russell 1000 & 2000

As of September 30, 2018

Top 10 Weighted Stocks							
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector			
Apple Inc	3.97%	22.4%	48.7%	Information Technology			
Microsoft Corp	3.15%	16.4%	56.3%	Information Technology			
Amazon.com Inc	2.96%	17.8%	108.4%	Consumer Discretionary			
Berkshire Hathaway Inc B	1.51%	14.7%	16.8%	Financials			
Facebook Inc A	1.42%	-15.4%	-3.8%	Communication Services			
JPMorgan Chase & Co	1.37%	8.9%	20.7%	Financials			
Johnson & Johnson	1.35%	14.6%	9.1%	Health Care			
Alphabet Inc Class C	1.32%	7.0%	24.4%	Communication Services			
Alphabet Inc A	1.31%	6.9%	24.0%	Communication Services			
Exxon Mobil Corp	1.31%	3.8%	7.9%	Energy			

Top 10 Performing Stocks (by Quarter)								
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector				
Advanced Micro Devices Inc	0.10%	106.1%	142.3%	Information Technology				
Square Inc A	0.10%	60.6%	243.7%	Information Technology				
Paycom Software Inc	0.03%	57.2%	107.3%	Information Technology				
Twilio Inc A	0.02%	54.0%	189.0%	Information Technology				
Atlassian Corporation PLC A	0.03%	53.8%	173.5%	Information Technology				
Molina Healthcare Inc	0.03%	51.8%	116.3%	Health Care				
DexCom Inc	0.05%	50.6%	192.4%	Health Care				
Match Group Inc	0.01%	49.5%	149.7%	Communication Services				
Fortinet Inc	0.05%	47.8%	157.4%	Information Technology				
IAC/InterActiveCorp	0.06%	42.1%	84.3%	Communication Services				

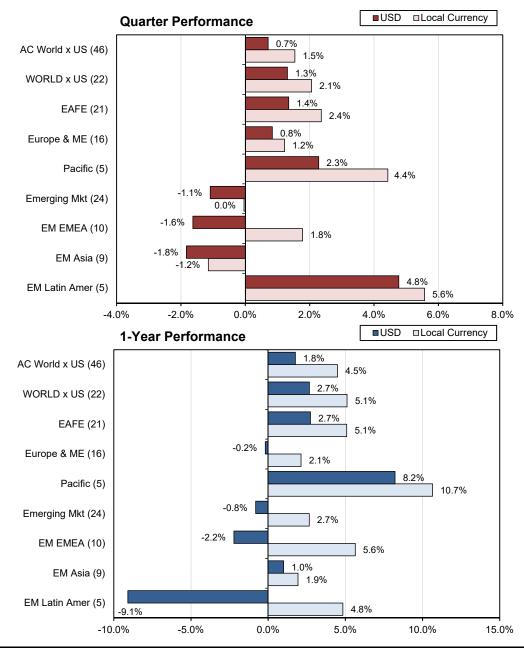
Top 10 Weighted Stocks							
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector			
Five Below Inc	0.31%	33.1%	137.0%	Consumer Discretionary			
Etsy Inc	0.27%	21.8%	204.4%	Consumer Discretionary			
Integrated Device Technology Inc	0.27%	47.5%	76.9%	Information Technology			
LivaNova PLC	0.27%	24.2%	76.9%	Health Care			
Haemonetics Corp	0.26%	27.8%	155.4%	Health Care			
Teladoc Health Inc	0.25%	48.8%	160.5%	Health Care			
Ligand Pharmaceuticals Inc	0.25%	32.5%	101.6%	Health Care			
HubSpot Inc	0.24%	20.4%	79.6%	Information Technology			
Primerica Inc	0.23%	21.3%	49.2%	Financials			
HealthEquity Inc	0.22%	25.7%	86.7%	Health Care			

Top 10 Performing Stocks (by Quarter)									
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector					
CareDx Inc	0.04%	135.7%	679.7%	Health Care					
Reata Pharmaceuticals Inc A	0.07%	133.8%	162.9%	Health Care					
Invitae Corp	0.05%	127.6%	78.5%	Health Care					
RigNet Inc	0.01%	97.6%	18.3%	Energy					
Tandem Diabetes Care Inc	0.10%	94.6%	486.8%	Health Care					
Health Insurance Innovations Inc	0.03%	90.6%	325.2%	Financials					
Funko Inc Class A	0.01%	88.8%	N/A	Consumer Discretionary					
LSB Industries Inc	0.01%	84.5%	23.2%	Materials					
Viking Therapeutics Inc	0.04%	83.6%	812.0%	Health Care					
Ra Pharmaceuticals Inc	0.01%	81.8%	23.9%	Health Care					

Во	Bottom 10 Performing Stocks (by Quarter)				Bottom 10 Performing Stocks (by Quarter)				
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector	Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Floor & Decor Holdings Inc	0.01%	-38.8%	-22.5%	Consumer Discretionary	Vital Therapies Inc	0.00%	-96.0%	-94.5%	Health Care
Twitter Inc	0.07%	-34.8%	68.7%	Communication Services	GTx Inc	0.00%	-89.7%	-81.4%	Health Care
IPG Photonics Corp	0.02%	-29.3%	-15.7%	Information Technology	Ampio Pharmaceuticals Inc	0.00%	-76.9%	-16.9%	Health Care
Visteon Corp	0.01%	-28.1%	-24.9%	Consumer Discretionary	Innovate Biopharmaceuticals Inc	0.01%	-71.0%	-2.4%	Health Care
Zillow Group Inc A	0.01%	-26.0%	10.1%	Communication Services	Zion Oil & Gas Inc	0.00%	-68.4%	-62.5%	Energy
Zillow Group Inc C	0.02%	-25.1%	10.0%	Communication Services	Endologix Inc	0.01%	-66.3%	-57.2%	Health Care
Western Digital Corp	0.06%	-23.7%	-30.4%	Information Technology	Lannett Co Inc	0.01%	-65.1%	-74.3%	Health Care
Wynn Resorts Ltd	0.05%	-23.7%	-13.3%	Consumer Discretionary	Maiden Holdings Ltd	0.01%	-62.6%	-61.1%	Financials
Extraction Oil & Gas Inc	0.00%	-23.1%	-26.6%	Energy	Diebold Nixdorf Inc	0.02%	-62.3%	-80.1%	Information Technology
Tesla Inc	0.13%	-22.8%	-22.4%	Consumer Discretionary	Sears Holdings Corp	0.00%	-59.2%	-86.7%	Consumer Discretionary



- Broad international equity returns were mixed for the quarter. Most developed markets were positive in local currency and USD terms whereas emerging markets were negative in both local currency and USD terms. Performance was largely driven by the same catalysts as the US equity markets for the second straight quarter. We saw global macroeconomic data slow, but remain generally positive through the period, with returns being tempered by global trade tensions and ongoing political uncertainty. The USD continued to strengthen against most currencies for the period as relatively strong US economic fundamentals and the continued divergence in global monetary policy hurt US investors in international markets. The MSCI ACWI ex US Index gained 1.5% in local currency terms and 0.7% in USD terms during the 3rd quarter. Returns over the 1-year period are modestly positive in both local currency and USD terms with the MSCI ACWI ex US returning 4.5% and 1.8% respectively.
- Third quarter results for developed market international indices were positive in local currency terms and USD terms with the MSCI EAFE Index returning 2.4% and 1.4% respectively. Returns were dampened for US investors as continued strength in the USD pushed returns lower. Developed markets were pushed higher by broadly positive, but slowing, global economic and earnings data despite several significant political events in Europe during the quarter. Concerns over a "no deal" Brexit and worries over a pending budget approval in Italy weighed on returns, while markets were encouraged by progress in trade negotiations between the US and the eurozone and signs of continued political stability in Japan. The MSCI EAFE Index returned 5.1% and 2.7% for the last twelve months in local currency and USD terms respectively.
- Emerging markets underperformed relative to developed markets for the 3rd guarter, posting a flat return in local currency terms that was exacerbated by the rising USD. The MSCI Emerging Markets Index returned 0.0% and -1.1% in local currency and USD terms respectively. Returns in emerging markets were the hurt by the deterioration in trade negotiations between the US and China followed by several rounds of new tariffs enacted by both countries. Emerging market stocks were also negatively affected by rising US interest rates coupled with an appreciating USD. Many emerging market countries and companies issue debt denominated in USD and the combination of higher interest rates and a relatively weaker local currency can put stress on the balance sheets of these borrowers, especially those heavily dependent on external capital. This was particularly problematic for Turkey, Argentina and South Africa during the 3rd quarter with Argentina having to expedite their request for an emergency bailout of \$50 billion from the World Monetary Fund. In positive news, Mexico and the US made progress toward the renegotiation of NAFTA. One year returns for the MSCI Emerging Market Index were 2.7% in local currency terms and -0.8% in USD terms.





	The Market Environment
US Dollar International Index	Attribution & Country Detail
	As of September 30, 2018

Quarter

Return

3.7%

-1.7%

MSCI-ACWIxUS

Weight

16.9%

12.0%

-- -

1- Year

Return

10.2%

2.9%

MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Communication Services	5.4%	3.3%	-2.4%
Consumer Discretionary	11.1%	-0.5%	3.3%
Consumer Staples	11.3%	-0.1%	2.5%
Energy	6.0%	3.5%	24.6%
Financials	19.8%	0.9%	-4.0%
Health Care	10.9%	5.6%	7.1%
Industrials	14.3%	2.6%	4.2%
Information Technology	6.2%	0.3%	7.4%
Materials	8.1%	0.4%	5.1%
Real Estate	3.5%	-3.0%	1.0%
Utilities	3.3%	-0.6%	0.7%
Total	100.0%	1.4%	2.7%
MSCI - ACWIXUS	Sector Weight	Quarter Return	1-Year Return
Communication Services	7.6%	-3.0%	-4.1%
Consumer Discretionary	10.7%	-3.2%	-1.4%
Consumer Staples	9.7%	-0.6%	1.6%
Energy	7.1%	4.1%	18.3%
Financials	22.0%	1.7%	-1.9%
Health Care	8.3%	4.5%	7.6%
Industrials	11.7%	2.8%	3.8%
Information Technology	8.5%	1.3%	5.6%
Materials	8.2%	0.4%	5.2%
Real Estate	3.2%	-3.5%	-2.7%
Utilities	3.0%	-0.9%	-1.2%
Total	100.0%	0.7%	1.8%
MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Communication Services	14.8%	-9.4%	-6.0%

Jnited Kingdom	17.5%	12.0%	-1.7%	2.9%
France	11.2%	7.7%	2.8%	4.2%
Germany	9.4%	6.5%	-0.6%	-5.4%
Switzerland	8.3%	5.7%	7.3%	1.6%
Australia	6.8%	4.7%	-0.9%	4.4%
Hong Kong	3.5%	2.4%	-1.0%	2.9%
Netherlands	3.3%	2.3%	-1.5%	-1.6%
Spain	3.0%	2.0%	-2.4%	-9.7%
Sweden	2.7%	1.9%	7.0%	-3.3%
Italy	2.3%	1.6%	-4.5%	-8.9%
Denmark	1.7%	1.2%	2.3%	-4.2%
Singapore	1.3%	0.9%	2.2%	6.9%
Finland	1.1%	0.7%	3.2%	10.3%
Belgium	1.0%	0.7%	-5.2%	-11.8%
Norway	0.8%	0.5%	6.7%	13.7%
Israel	0.6%	0.4%	5.1%	14.9%
Ireland	0.5%	0.4%	-5.4%	-6.1%
Austria	0.2%	0.2%	0.2%	-3.1%
New Zealand	0.2%	0.2%	2.4%	4.4%
Portugal	0.2%	0.1%	-0.6%	1.7%
Total EAFE Countries	100.0%	68.7%	1.4%	2.7%
Canada		6.7%	0.8%	1.9%
Total Developed Countries		75.3%	1.3%	2.7%
China		7.6%	-7.5%	-2.2%
Korea		3.7%	0.7%	1.4%
Taiwan		3.0%	6.5%	9.7%
India		2.1%	-2.3%	1.1%
Brazil		1.5%	6.1%	-14.0%
South Africa		1.5%	-7.4%	-5.1%
Russia		0.9%	6.2%	13.7%
Mexico		0.8%	6.9%	-4.4%
Thailand		0.6%	13.6%	15.2%
Malaysia		0.6%	3.8%	7.6%
Indonesia		0.5%	2.0%	-10.4%
Poland		0.3%	10.6%	-5.0%
Chile		0.3%	-2.0%	-5.7%
Philippines		0.3%	1.0%	-15.6%
Qatar		0.2%	12.8%	25.3%
United Arab Emirates		0.2%	3.1%	-6.9%
Turkev		0.2%	-20.5%	-41.7%
Colombia		0.1%	-20.5%	10.0%
Peru		0.1%	-2.5%	12.2%
		0.1%	-2.1%	-14.8%
Greece		0.1%	-17.6%	-14.8%
Hungary				
Czech Republic		0.1%	4.0%	12.8%
Egypt		0.0%	-6.8%	-7.1%
Pakistan		0.0%	-4.9%	-20.6%
Total Emerging Countries Total ACWIxUS Countries		24.7%	-1.1%	-0.8%
Total ACWIVIIS Countrine		100.0%	0.7%	1.8%

MSCI-EAFE

Weight

24.6%

17.5%

6.3% 14.5% 26.0% Energy Financials 23.3% 1.5% 0.4% Health Care -7.2% 11.4% 3.1% Industrials 5.3% 2.5% -4.3% Information Technology 15.9% 2.2% 2.3% Materials 7.8% 4.5% 8.6% Real Estate -5.6% -15.1% 2.9% Utilities 2.5% -1.9% -5.4% Total 100.0% -0.8%

6.7%

-2.9%

-1.9%

Source: Morningstar Direct, MSCI Global Index Monitor (Returns are Net in USD)

As a result of the GICS classification changes on 9/28/2018 and certain associated reporting limitations, sector performance represents backward looking performance for the prior year of each sector's current constituency, post creation of the Communication 7 Services sector.

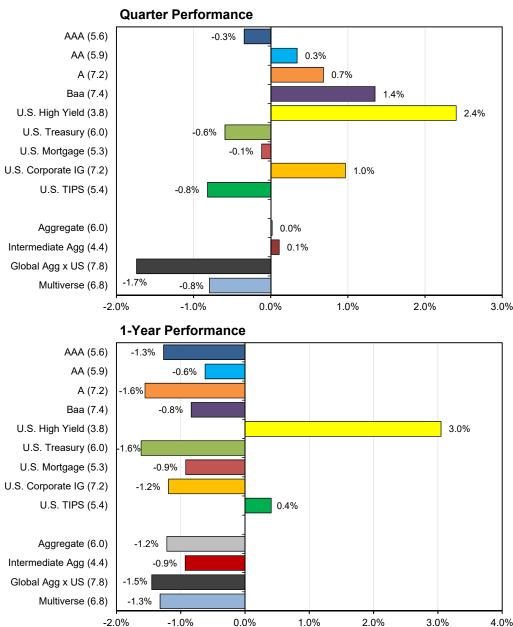
Country

United Kingdom

Japan

Consumer Staples

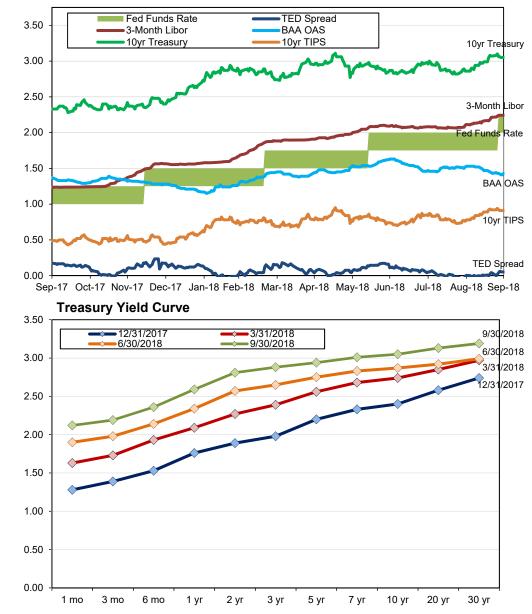
- Broad fixed income benchmarks had mixed results during the 3rd guarter. Interest rates rose across all maturities on the US Treasury Yield Curve. The Federal Open Market Committee (FOMC), decided to increase short-term interest rates by 25 basis points at their September meeting citing continued strength in the economy and stable inflation. This is the third rate hike of 2018. The current Fed Funds Rate target range sits at 2.00%-2.25%. The FOMC also changed the language used in its policy statement, removing the word "accommodative", which investors took as a signal that the Fed plans to continue its trend of monetary policy tightening. The yield curve continued to flatten, although very gradually, as short-term yields rose at a greater rate than long-term yields during the guarter. The difference in yields between the 2year and 10-year Treasury now sits at just 0.24%. As the curve continues to flatten, it moves closer to becoming "inverted", which happens when shortterm maturities have greater yields than long-term securities. Historically, an inverted yield curve has signaled a greater probability of a recession. The Fed is also continuing the reduction of the size of its balance sheet by slowing its pace of reinvestment as the securities it holds mature. The Bloomberg Barclays US Aggregate Index was flat during the guarter, posting a 0.0% return. Over the 1-year period the index has fallen -1.2%.
- Within investment grade credit, lower quality corporate issues outperformed higher quality issues as credit spreads tightened steadily over the quarter. On an absolute basis, without negating the duration differences in the sub-indices, Baa rated credit was the best performing investment grade credit quality segment returning 1.4% for the quarter, while AAA was the worst performing, falling -0.3%. High yield debt outperformed relative to investment grade credit, returning 2.0%, as spreads tightened to a greater degree for these issues and the index benefitted from less sensitivity to rising interest rates due to its lower duration. Returns are negative for all investment grade quality segments when viewed over the 1-year period while high yield continues to outperform with a return of 3.0%.
- Of the Bloomberg Barclays US Aggregate Index's three broad sectors, US investment grade corporates were the best performing investment grade sector through the quarter, returning 1.0%, and the only sector to post a positive return for the period. Corporate credit outperformed as credit spreads tightened. Demand for these securities outweighed supply for the period despite considerable new issuance and a headwind from the sectors higher duration relative to other index sectors. Treasuries were the worst performing sector posting a -0.6% return. Over the 1-year period, all three broad investment grade sectors posted losses with mortgages, investment grade credit and Treasuries falling -0.9%, -1.2% and -1.6% respectively.





- Global fixed income indices continue to struggle relative to their domestic counterparts, underperforming during the 3rd quarter. These indices have lower yields and their relatively high duration acted as a headwind to performance in the current quarter as interest rates increased. The returns of these indices are also significantly influenced by fluctuations in their currency denomination relative to the USD. During the 3rd quarter the USD strengthened against most other currencies, negatively impacting the returns on global bond indices. The return on global bonds, as represented by the Bloomberg Barclays Global Aggregate ex US Index, was -1.7% and -1.5% for the guarter and 1-year period respectively. As the global economy continues to recover, several international central banks have started to move toward less accommodative postures. Notably, the ECB, began to slow its monthly bond purchase program in September, reducing new purchases to 15 billion euro per month from 30 billion euro per month, as well as forecasting an end to the program by the end of the year assuming the eurozone recovery continues to flourish. However, they have indicated a continuation of reinvestment in maturing securities and would likely not raise interest rates from current levels until summer 2019. The Bank of England increased interest rates by 0.25% during the guarter citing improvement in their near-term economic outlook and the Bank of Japan has changed its policy to allow flexibility for future tightening in the future.
- 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 yield (green line) rose steadily during the end of the 3rd quarter, ending the period at 3.05%. 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 increase in credit spreads through the first two quarters of 2018, followed by a smooth decline during the 3rd quarter. This decline is equivalent to an interest rate decrease on corporate bonds, which produces an additional tailwind for corporate bond index returns. These credit spreads have tightened by about 20 basis points over the last 3-months. The green band across the graph illustrates the gradual increase in the Federal Funds Rate (three increases in the last twelve months) due to the continued unwinding of accommodative US monetary policy.
- The lower graph provides a snapshot of the US 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 more than interest rates on the long end of the curve. The upward momentum of interest rates as well as a general flattening of the yield curve are clearly visible over the last twelve months.



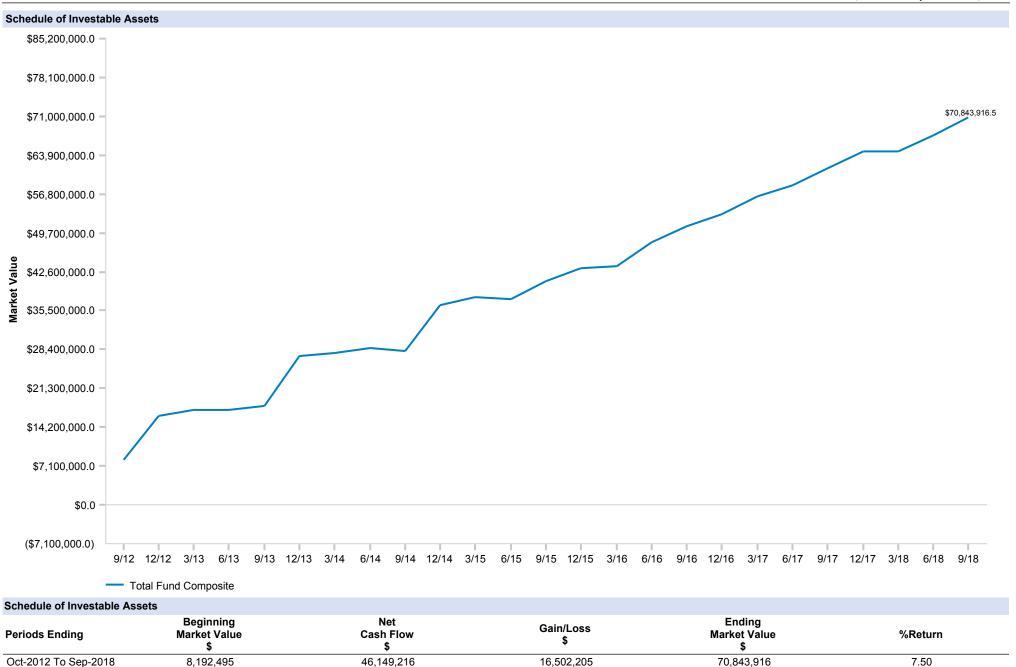




Port of Houston OPEB Trailing One Year Return As of September 30, 2018

# 6.5%





16,502,205

70,843,916



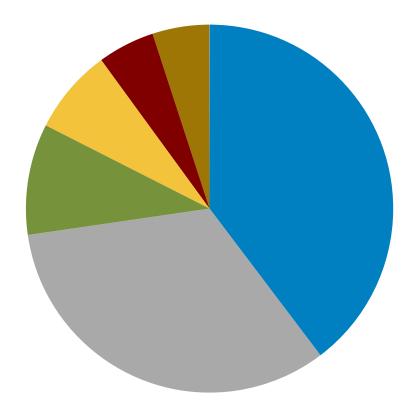
7.50

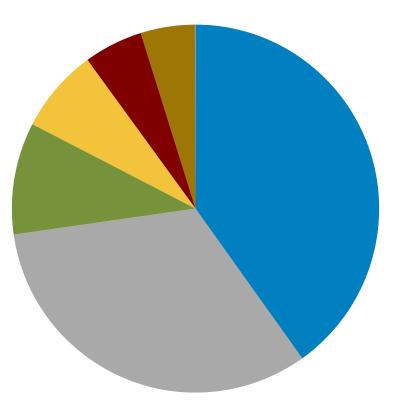
8,192,495

46,149,216

September 30, 2018 : \$70,843,916

June 30, 2018 : \$67,564,063



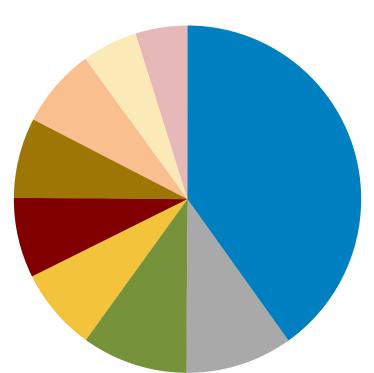


Allocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
Core Plus Fixed Income	27,116,704	40.1	Core Plus Fixed Income	28,113,329	39.7
Domestic Equity	22,031,134	32.6	Domestic Equity	23,391,508	33.0
MLPs	6,651,082	9.8	MLPs	6,921,053	9.8
International Equity	4,997,096	7.4	International Equity	5,304,912	7.5
Real Estate	3,504,345	5.2	Real Estate	3,550,319	5.0
High Yield Fixed Income	3,229,323	4.8	High Yield Fixed Income	3,535,316	5.0
Cash	34,379	0.1	Cash	27,480	0.0



September 30, 2018 : \$70,843,916

June 30, 2018 : \$67,564,063



llocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
MacKay Shields Core Plus	27,116,704	40.1	MacKay Shields Core Plus	28,113,329	39.7
Barrow Hanley MeWhinney & Strauss	6,737,736	10.0	Barrow Hanley MeWhinney & Strauss	7,024,655	9.9
ARI MLP	6,651,082	9.8	ARI MLP	6,921,053	9.8
Stephens Mid Cap Growth	5,205,905	7.7	Stephens Mid Cap Growth	5,687,738	8.0
Fiduciary Management	5,047,348	7.5	Vanguard Index Fund Institutional (VINIX)	5,427,266	7.7
Vanguard Index Fund Institutional (VINIX)	5,040,145	7.5	Causeway International (CIVIX)	5,304,912	7.5
Causeway International (CIVIX)	4,997,096	7.4	Fiduciary Management	5,251,849	7.4
Cohen & Steers (CSRIX)	3,504,345	5.2	Cohen & Steers (CSRIX)	3,550,319	5.0
Loomis Sayles High Yield (LSHIX)	3,229,323	4.8	Loomis Sayles High Yield (LSHIX)	3,535,316	5.0
Cash	34,379	0.1	Cash	27,480	0.0



Asset Allocation & Performance								
	Allocatio	on			Perfo	mance(%)		
	Market Value \$	%	QTR	1 YR	3 YR	5 YR	Inception	Inception Date
Total Fund Composite (Gross of Fees)	70,843,916	100.0	2.98	6.45	8.73	6.52	7.50	10/01/2012
Policy Index			2.80	5.88	8.06	6.29	7.25	
OPEB Actuarial Assumption			1.65	6.75	6.85	6.91	6.97	
Total Fund Composite (Net of Fees)			2.89	6.05	8.30	6.01	6.96	
Fiduciary Management	5,251,849	7.4	4.21	13.37	14.77	12.15	13.48	10/01/2012
Russell 1000 Value Index			5.70	9.45	13.55	10.72	12.57	
S&P 500 Index			7.71	17.91	17.31	13.95	14.83	
Vanguard Index Fund Institutional (VINIX)	5,427,266	7.7	7.70	17.87	N/A	N/A	17.49	05/01/2017
S&P 500 Index			7.71	17.91	17.31	13.95	17.53	
Stephens Mid Cap Growth	5,687,738	8.0	9.48	31.70	21.61	14.05	16.96	01/01/2013
Russell Midcap Growth Index			7.57	21.10	16.65	13.00	15.68	
Barrow Hanley MeWhinney & Strauss	7,024,655	9.9	4.46	12.69	18.50	12.32	16.40	10/01/2012
Russell 2000 Value Index			1.60	9.33	16.12	9.91	12.60	
Causeway International (CIVIX)	5,304,912	7.5	1.22	0.31	7.84	3.35	3.35	10/01/2013
MSCI EAFE (Net) Index			1.35	2.74	9.23	4.42	4.42	
Cohen & Steers (CSRIX)	3,550,319	5.0	1.33	5.93	8.05	9.89	9.19	01/01/2013
FTSE NAREIT All Equity REITs			0.50	4.31	8.97	9.57	8.83	
ARI MLP	6,921,053	9.8	4.26	2.92	3.47	-0.59	2.99	10/01/2012
Alerian MLP Index			6.57	4.89	4.43	-2.72	0.32	
MacKay Shields Core Plus	28,113,329	39.7	0.47	-0.74	2.28	N/A	1.92	07/01/2014
Blmbg. Barc. U.S. Aggregate Index			0.02	-1.22	1.31	2.16	1.65	
Loomis Sayles High Yield (LSHIX)	3,535,316	5.0	3.30	4.29	8.62	5.47	6.54	01/01/2013
ICE BofAML High Yield Master II			2.44	2.94	8.19	5.54	5.48	
Cash	27,480	0.0						



Total Fund Composite (Gross of Fees) includes net performance for mutual funds within the portfolio: Vanguard Index Institutional (VINIX), Causeway International (CIVIX), Cohen & Steers (CSRIX), and Loomis Sayles High Yield (LSHIX). Gross of fees performance would be approximately 0.14% higher on an annual basis if these fees were included.

	Allocatio	on			Performance(	%)	
	Market						
	Value \$	%	2017	2016	2015	2014	2013
Total Fund Composite (Gross of Fees)	70,843,916	100.0	10.92	10.54	-2.43	5.42	17.12
Policy Index			9.35	9.47	-2.53	7.49	16.29
OPEB Actuarial Assumption			6.75	7.00	7.00	7.00	7.19
Fiduciary Management	5,251,849	7.4	18.86	14.92	-1.93	13.46	30.21
Russell 1000 Value Index			13.66	17.34	-3.83	13.45	32.53
S&P 500 Index			21.83	11.96	1.38	13.69	32.39
Vanguard Index Fund Institutional (VINIX)	5,427,266	7.7	N/A	N/A	N/A	N/A	N/A
S&P 500 Index			21.83	11.96	1.38	13.69	32.39
Stephens Mid Cap Growth	5,687,738	8.0	29.36	7.86	-0.28	4.61	36.16
Russell Midcap Growth Index			25.27	7.33	-0.20	11.90	35.74
Barrow Hanley MeWhinney & Strauss	7,024,655	9.9	18.51	27.59	-6.22	3.03	48.35
Russell 2000 Value Index			7.84	31.74	-7.47	4.22	34.52
Causeway International (CIVIX)	5,304,912	7.5	27.18	0.48	-3.12	-6.22	N/A
MSCI EAFE (Net) Index			25.03	1.00	-0.81	-4.90	22.78
Cohen & Steers (CSRIX)	3,550,319	5.0	7.43	5.89	5.23	30.18	3.46
FTSE NAREIT All Equity REITs			8.67	8.63	2.83	28.03	2.86
ARI MLP	6,921,053	9.8	-6.15	21.44	-32.54	14.43	32.52
Alerian MLP Index			-6.52	18.31	-32.59	4.80	27.58
MacKay Shields Core Plus	28,113,329	39.7	4.75	3.99	-0.08	N/A	N/A
Blmbg. Barc. U.S. Aggregate Index			3.54	2.65	0.55	5.97	-2.02
Loomis Sayles High Yield (LSHIX)	3,535,316	5.0	8.42	18.92	-10.27	5.17	15.07
ICE BofAML High Yield Master II			7.48	17.49	-4.64	2.50	7.42
Cash	27,480	0.0					



Total Fund Composite (Gross of Fees) includes net performance for mutual funds within the portfolio: Vanguard Index Institutional (VINIX), Causeway International (CIVIX), Cohen & Steers (CSRIX), and Loomis Sayles High Yield (LSHIX). Gross of fees performance would be approximately 0.14% higher on an annual basis if these fees were included.

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 September 30, 2018, Fiduciary had a market value of \$5,251,849.

Fiduciary Manag	gement	Russell 1000 Val	ue Index
	Weight %		Weight %
Berkshire Hathaway Inc	5.1	JPMorgan Chase & Co	2.8
Dollar General Corp	4.9	Berkshire Hathaway Inc	2.7
Honeywell International Inc	4.7	Exxon Mobil Corp	2.6
Unitedhealth Group Inc	4.6	Johnson & Johnson	2.2
TJX Companies Inc (The)	4.3	Bank of America Corp	2.0
Twenty-First Century Fox Inc	4.1	Pfizer Inc	1.9
JPMorgan Chase & Co	4.0	AT&T Inc	1.8
Accenture PLC	3.5	Chevron Corp	1.7
Potash Corp of Saskatchewan	3.4	Cisco Systems Inc	1.7
Quest Diagnostics Inc	3.3	Wells Fargo & Co	1.7

#### Equity Assets Exposures by Sector

	Fiduciary Management	Russell 1000 Value Index
Cash	8.72	0.00
Communication Services	8.99	6.75
Consumer Discretionary	14.43	5.25
Consumer Staples	8.40	7.19
Energy	2.67	10.78
Financials	15.36	22.85
Health Care	15.55	15.22
Industrials	14.48	8.08
Information Technology	8.04	9.77
Materials	3.38	3.89
Real Estate	0.00	4.64
Utilities	0.00	5.57

Equity Characteristics

	Fiduciary Management	Russell 1000 Value Index
Wtd. Avg. Mkt. Cap (\$)	105,562,463,877	126,935,326,977
Price/Earnings ratio	19.8	16.4
Price/Book ratio	3.1	2.2
Current Yield	2.0	2.5
Number of Stocks	31	727



#### Fund Information

Fund Name :Vanguard Institutional Index Fund: Vanguard Institutional Index Fund; Institutional<br/>SharesPortfolio Assets :Fund Family :Vanguard Group IncPortfolio ManagerTicker :VINIXPM Tenure :Inception Date :07/31/1990Fund Style :Fund Assets :\$124,343 MillionStyle BenchmarkPortfolio Turnover :5%

#### Portfolio Characteristics As of 06/30/2018

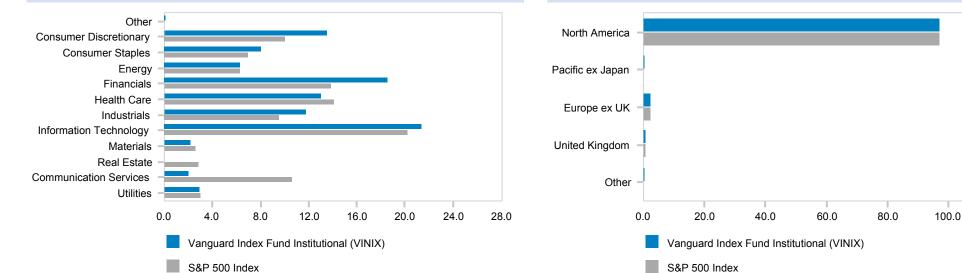
Sector Weights As of 06/30/2018

	Portfolio	Benchmark
Total Securities	512	505
Avg. Market Cap (\$)	205,421,653,713	20,691,162,930
Price/Earnings (P/E)	27.18	20.90
Price/Book (P/B)	6.88	3.39
Dividend Yield	2.41	1.96
Annual EPS	21.01	N/A
5 Yr EPS	12.83	14.76
3 Yr EPS Growth	11.17	N/A
Beta	N/A	1.00

Portfolio Manager :	Butler/Louie
PM Tenure :	20002017
Fund Style :	IM S&P 500 Index (MF)
Style Benchmark :	S&P 500 Index

\$231,559 Million

Top Ten Securities As of 06/30/2018	
Apple Inc ORD	3.9 %
Microsoft Corp ORD	3.3 %
Amazon.com Inc ORD	3.0 %
Facebook Inc ORD	2.0 %
JPMorgan Chase & Co ORD	1.5 %
Exxon Mobil Corp ORD	1.5 %
Berkshire Hathaway Inc ORD	1.5 %
Alphabet Inc ORD 1	1.5 %
Alphabet Inc ORD 2	1.5 %
Johnson & Johnson ORD	1.4 %



Statistics provided by Lipper. Most recent available data shown.

## 88

120.0

#### Region Weights As of 06/30/2018

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 September 30, 2018, Stephens had a market value of \$5,687,738.

Stephens Mid Cap	Growth	Russell Midcap Gro	wth Index
	Weight %		Weight %
IDEXX Laboratories Inc	2.1	Ross Stores Inc	1.2
Illumina Inc	2.0	Edwards Lifesciences Corp	1.2
FLIR Systems Inc	1.9	ServiceNow Inc	1.1
SVB Financial Group	1.9	Fiserv Inc.	1.1
Aspen Technology Inc	1.9	Align Technology Inc	1.0
ABIOMED Inc	1.9	Dollar General Corp	0.9
Square Inc	1.8	Autodesk Inc.	0.9
lululemon athletica inc	1.7	Square Inc	0.9
Verisk Analytics Inc	1.7	Advanced Micro Devices Inc	0.9
Intuitive Surgical Inc	1.7	Moody's Corp.	0.9

#### Equity Assets Exposures by Sector

	Stephens Mid Cap Growth	Russell Midcap Growth Index
Cash	2.94	0.00
Communication Services	5.34	3.82
Consumer Discretionary	13.82	16.37
Consumer Staples	2.27	2.90
Energy	2.61	1.69
Financials	4.23	6.65
Health Care	23.18	15.28
Industrials	14.57	16.47
Information Technology	30.84	31.25
Materials	0.18	3.55
Real Estate	0.00	2.01

#### **Equity Characteristics**

	Stephens Mid Cap Growth	Russell Midcap Growth Index
Wtd. Avg. Mkt. Cap (\$)	16,731,088,200	16,585,164,469
Price/Earnings ratio	39.1	27.1
Price/Book ratio	6.6	6.3
Current Yield	0.3	0.8
Number of Stocks	95	415



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 September 30, 2018, Barrow, Hanley, MeWhinney & Strauss had a market value of \$7,024,655.

Barrow Hanley MeWhinne	y & Strauss	Russell 2000 Valu	le Index
	Weight %		Weight %
Allegheny Technologies Inc	4.3	IDACORP Inc.	0.5
Brooks Automation Inc	3.8	MGIC Investment Corp	0.4
II VI Inc	3.7	CACI International Inc.	0.4
Texas Capital Bancshares Inc	3.7	IBERIABANK Corp	0.4
Encompass Health Corp	3.6	Ciena Corp	0.4
Simpson Manufacturing Co. Inc.	3.5	Radian Group Inc.	0.4
Federal Signal Corp.	3.5	Gramercy Property Trust	0.4
American Axle & Manufacturing Holdings Inc	3.5	ONE Gas Inc	0.4
MGIC Investment Corp	3.2	Sabra Health Care REIT Inc	0.4
Diodes Inc	3.0	Portland Gen. Elec. Co.	0.4

#### Equity Assets Exposures by Sector

	Barrow Hanley MeWhinney & Strauss	Russell 2000 Value Index
Cash	3.10	0.00
Communication Services	0.00	3.03
Consumer Discretionary	4.70	9.51
Consumer Staples	3.77	2.53
Energy	2.27	7.52
Financials	15.26	28.20
Health Care	4.81	5.03
Industrials	30.10	12.05
Information Technology	25.22	10.26
Materials	10.77	4.43
Real Estate	0.00	11.48
Utilities	0.00	5.97

Equity Characteristics

	Barrow Hanley MeWhinney & Strauss	Russell 2000 Value Index
Wtd. Avg. Mkt. Cap (\$)	2,724,858,644	2,150,162,535
Price/Earnings ratio	17.0	15.5
Price/Book ratio	2.1	1.7
Current Yield	0.7	2.0
Number of Stocks	41	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 :	\$8,042 Million
Portfolio Turnover :	35%

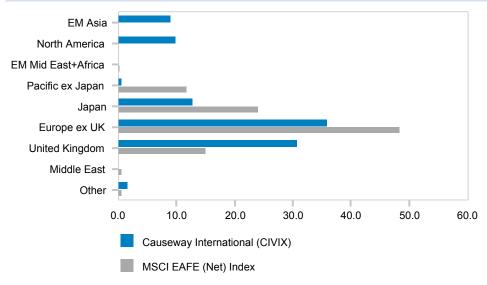
Portfolio Assets :	\$8,716 Million
Portfolio Manager : PM Tenure :	Team Managed
Fund Style : Style Benchmark :	IM International Large Cap Value Equity (MF) MSCI EAFE (Net) Index

#### Portfolio Characteristics As of 06/30/2018

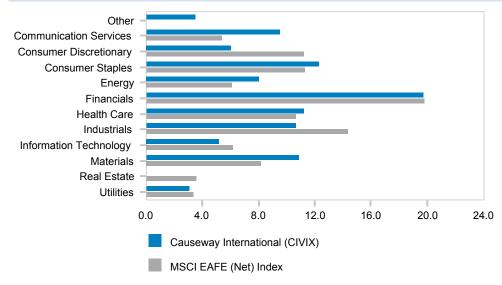
	Portfolio	Benchmark
Total Securities	60	926
Avg. Market Cap (\$)	70,213,538,085	11,374,751,690
Price/Earnings (P/E)	17.41	14.10
Price/Book (P/B)	2.24	2.15
Dividend Yield	3.39	3.28
Annual EPS	39.93	N/A
5 Yr EPS	5.95	10.98
3 Yr EPS Growth	8.97	N/A
Beta (5 Years, Monthly)	0.94	1.00

Top Ten Securities As of 06/30/2018	
Volkswagen AG PFD	3.6 %
Linde AG ORD	3.6 %
Invesco Government & Agency Portfolio;In	3.5 %
British American Tobacco PLC ORD	3.3 %
BP PLC ORD	3.3 %
China Mobile Ltd ORD	2.9 %
Royal Dutch Shell Plc B ORD	2.8 %
Takeda Pharmaceutical Co Ltd ORD	2.8 %
BASF SE ORD	2.8 %
KDDI Corp ORD	2.8 %





#### Sector Weights As of 06/30/2018



Statistics provided by Lipper. Most recent available data shown.

#### Fund Information

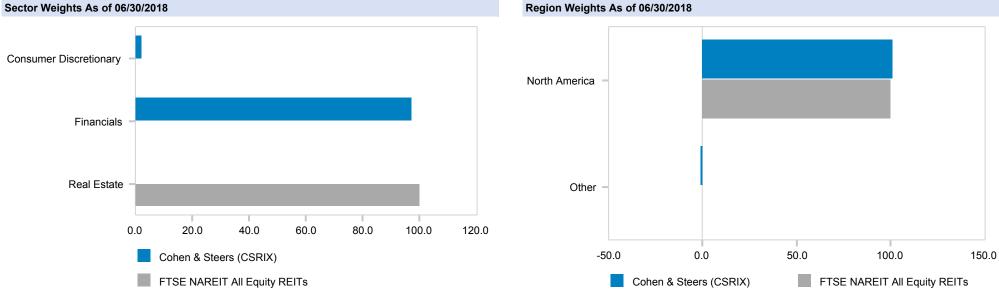
Fund Name : Cohen & Steers Institutional Realty Shares, Inc Fund Family : Cohen & Steers Capital Management Inc Ticker : CSRIX Inception Date : 02/14/2000 Fund Assets : \$2,857 Million Portfolio Turnover: 76%

Portfolio Assets :	\$2,857 Million
Portfolio Manager :	Team Managed
PM Tenure :	
Fund Style :	IM Real Estate Sector (MF)
Style Benchmark :	FTSE NAREIT All Equity REITs

#### Portfolio Characteristics As of 06/30/2018

	Portfolio	Benchmark
Total Securities	48	172
Avg. Market Cap (\$)	15,259,681,484	3,366,096,230
Price/Earnings (P/E)	42.59	33.90
Price/Book (P/B)	3.47	2.54
Dividend Yield	3.94	3.97
Annual EPS	4.60	N/A
5 Yr EPS	14.58	19.66
3 Yr EPS Growth	21.24	N/A
Beta (5 Years, Monthly)	1.02	1.00

Top Ten Securities As of 06/30/2018	
Essex Property Trust Inc ORD	5.3 %
UDR Inc ORD	5.1 %
Prologis Inc ORD	4.9 %
Equinix Inc ORD	4.8 %
Extra Space Storage Inc ORD	4.7 %
Digital Realty Trust Inc ORD	4.6 %
Boston Properties Inc ORD	4.2 %
Crown Castle International Corp	4.1 %
Simon Property Group Inc ORD	3.4 %
Hudson Pacific Properties Inc ORD	3.0 %



Region Weights As of 06/30/2018

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 September 30, 2018, ARI had a market value of \$6,921,053.

ARI MLP		Alerian MLF	
	Weight %		Weight %
Enterprise Products Partners LP	9.9	Magellan Midstream Partners LP	11.6
Magellan Midstream Partners LP	9.4	Enterprise Products Partners LP	11.2
MPLX LP	7.7	Plains All American Pipeline LP	8.7
Williams Cos Inc. (The)	7.1	MPLX LP	8.2
Energy Transfer Partners LP	7.0	Buckeye Partners LP	4.3
Plains All American Pipeline LP	6.9	Western Gas Partners Lp	3.6
Andeavor Logistics LP	5.2	EQT Midstream Partners LP	3.6
Tallgrass Energy GP LP	5.2	Andeavor Logistics LP	3.5
Phillips 66 Partners LP	5.2	DCP Midstream LP	2.9
Energy Transfer LP	5.1	Tallgrass Energy GP LP	2.9

#### Equity Assets Exposures by Sector

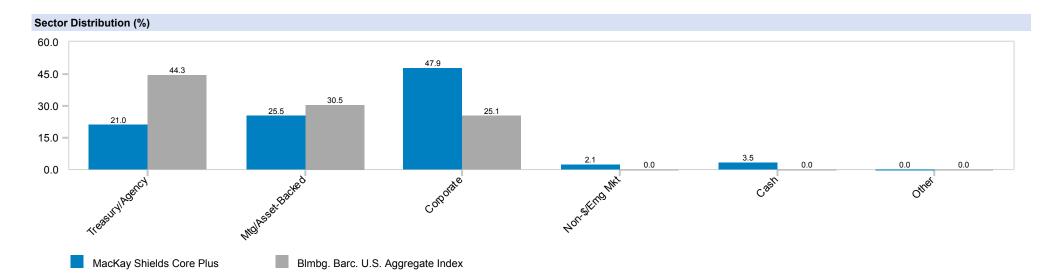
	ARI MLP	Alerian MLP
Cash	0.55	0.00
Energy	99.45	96.46
Energy Utilities	0.00	3.54

Equity Characteristics		
	ARIMLP	Alerian MLP
Wtd. Avg. Mkt. Cap (\$)	20,485,952,463	15,891,512,539
Price/Earnings ratio	20.8	18.5
Price/Book ratio	3.1	2.6
Current Yield	6.7	7.8
Number of Stocks	22	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 September 30, 2018, MacKay Shields had a market value of \$28,113,329.

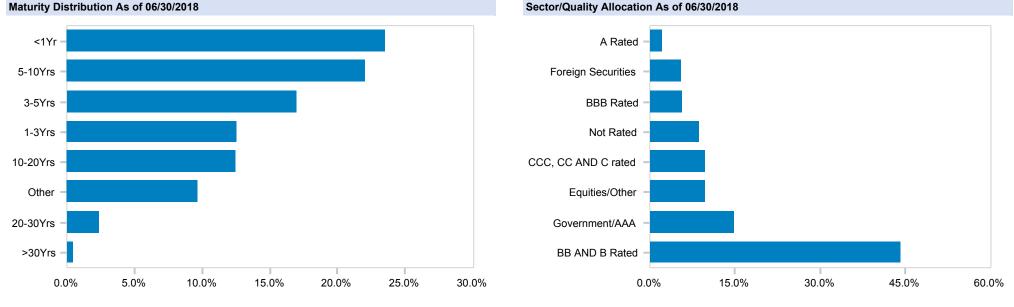


#### **Portfolio Characteristics**

	Portfolio	Benchmark
Avg. Maturity	7.97	8.42
Avg. Quality	A+/A1	AA1/AA2
Coupon Rate (%)	3.66	3.16
Modified Duration	5.74	6.01
Yield To Maturity (%)	3.72	3.46
Holdings Count	235	N/A



Fund Information								
Fund Name :	Loomis Sayles Funds I: Loomis Sayles Institutional High Income Fund; Institutional Class		Portfolio Assets :	\$669 Million				
Fund Family :	Loomis Sayles & Company LP		Portfolio Manager : Fuss/Eagan/Stokes					
Ticker :	LSHIX		PM Tenure :					
Inception Date :	06/05/1996		Fund Style :	: IM U.S. High Yield Bonds (MF)				
Fund Assets :	\$669 Million		Style Benchmark :	hmark : FTSE High Yield Market Index				
Portfolio Turnover :	17%							
Fund Characterist	ics As of 06/30/2018	Top Ten Securities As of 06/30	)/2018		Asset Allocation As of 06	/30/2018		
Avg. Coupon	5.21 %	Corporate Notes/Bonds	65.5	%				
Nominal Maturity	N/A	Convertible Securities	8.2	%	Fixed Income			
Effective Maturity	5.56 Years	Common Stock	6.8	%				
Duration	3.67 Years	Fgn. Currency Denominated Bo	nds 5.4	%	Cash –			
SEC 30 Day Yield	5.5	Treasury Notes/Bonds	0.8	%				
Avg. Credit Quality	BB	Preferred Stock-Non Convertible	e 0.2	%	Convertibles –			
		Asset Backed Securities	0.1	%	_			
					Equities -			
					Other -			
					0.0% 25	.0% 50.0%	75.0%	100.0%
					0.070 - 20			
Moturity Distributi	on As of 06/30/2018		Sector/Quality	Allocation Ac	of 06/20/2019			



Statistics provided by Lipper. Most recent available data shown.

83

#### Port of Houston OPEB Manager Status Summary As of September 30, 2018

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.



Port of Houston Authority OPEB Fee Analysis As of September 30, 2018

	Estimated Annual Fee (%)	Market Value (\$)	Estimated Annual Fee (\$)	Fee Schedule
Total Fund Composite	0.51	70,843,916	359,752	
Equity Composite	0.61	39,167,792	237,315	
Domestic Equity	0.47	23,391,508	109,975	
Fiduciary Management	0.55	5,251,849	28,885	0.55 % of Assets
Vanguard Index Fund Institutional (VINIX)	0.04	5,427,266	2,171	0.04 % of Assets
Stephens Mid Cap Growth	0.77	5,687,738	43,796	0.77 % of Assets
Barrow Hanley MeWhinney & Strauss	0.50	7,024,655	35,123	0.50 % of Assets
International Equity	0.92	5,304,912	48,805	
Causeway International (CIVIX)	0.92	5,304,912	48,805	0.92 % of Assets
Real Estate	0.75	3,550,319	26,627	
Cohen & Steers (CSRIX)	0.75	3,550,319	26,627	0.75 % of Assets
MLPs	0.75	6,921,053	51,908	
ARI MLP	0.75	6,921,053	51,908	0.75 % of Assets
Fixed Income Composite	0.39	31,676,124	122,437	
Core Plus Fixed Income	0.35	28,113,329	98,397	
MacKay Shields Core Plus	0.35	28,113,329	98,397	0.35 % of Assets
High Yield Fixed Income	0.68	3,535,316	24,040	
Loomis Sayles High Yield (LSHIX)	0.68	3,535,316	24,040	0.68 % of Assets



#### Port of Houston OPEB Fee Summary As of September 30, 2018

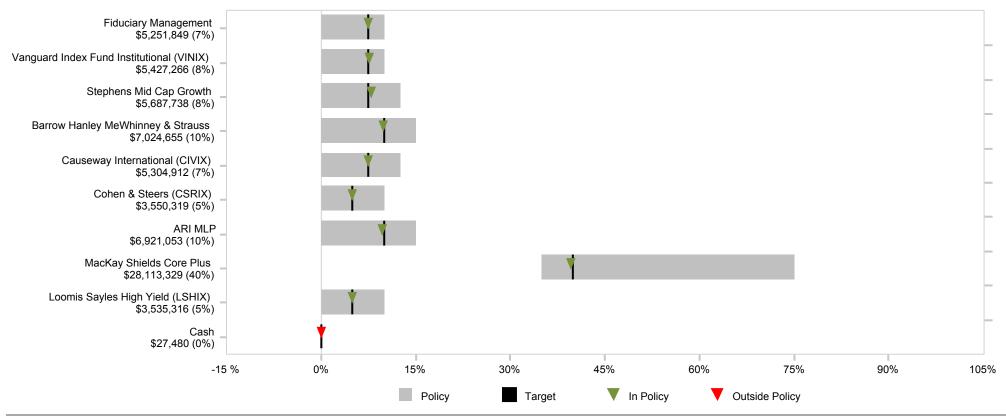
Structure	Mandate	Expense Ratio	Category Average	Difference	Annual Savings
Fiduciary Management	Large Cap Value Equity	0.55%	0.99%	0.44%	\$23,108
Vanguard Index Fund (VINIX)	Large Cap Core Equity	0.04%	0.99%	0.95%	\$51,559
Stephens Mid Cap Growth	Mid Cap Growth Equity	0.77%	1.26%	0.49%	\$27,870
Barrow Hanley MeWhinney & Strauss	Small Cap Value Equity	0.50%	1.27%	0.77%	\$54,090
Causeway International (CIVIX)	International Equity	0.92%	1.21%	0.29%	\$15,384
Cohen & Steers (CSRIX)	Real Estate and Investement Trust	0.75%	1.24%	0.49%	\$17,397
ARI MLP	Master Limited Partnership	0.75%	1.00%	0.25%	\$17,303
Mackay Shields Core Plus	Core Plus Fixed Income	0.35%	0.84%	0.49%	\$137,755
Loomis Sayles High Yield (LSHIX)	High Yield Fixed Income	0.68%	1.04%	0.36%	\$12,727
Total Management Fees		0.51%	1.01%	0.50%	\$357,193

Source: Morningstar and Investment Managers



Asset Allocation Compliance						
	Asset Allocation \$	Current Allocation (%)	Target Allocation (%)	Differences (%)	Minimum Allocation (%)	Maximum Allocation (%)
Total Fund Composite	70,843,916	100.0	100.0	0.0		
Fiduciary Management	5,251,849	7.4	7.5	-0.1	0.0	10.0
Vanguard Index Fund Institutional (VINIX)	5,427,266	7.7	7.5	0.2	0.0	10.0
Stephens Mid Cap Growth	5,687,738	8.0	7.5	0.5	0.0	12.5
Barrow Hanley MeWhinney & Strauss	7,024,655	9.9	10.0	-0.1	0.0	15.0
Causeway International (CIVIX)	5,304,912	7.5	7.5	0.0	0.0	12.5
Cohen & Steers (CSRIX)	3,550,319	5.0	5.0	0.0	0.0	10.0
ARIMLP	6,921,053	9.8	10.0	-0.2	0.0	15.0
MacKay Shields Core Plus	28,113,329	39.7	40.0	-0.3	35.0	75.0
_oomis Sayles High Yield (LSHIX)	3,535,316	5.0	5.0	0.0	0.0	10.0
Cash	27,480	0.0	0.0	0.0	0.0	0.0

#### **Executive Summary**





Active Return	- 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.



AndCo compiled this report for the sole use of the client for which it was prepared. AndCo is responsible for evaluating the performance results of the Total Fund along with the investment advisors by comparing their performance with indices and other related peer universe data that is deemed appropriate. AndCo uses the results from this evaluation to make observations and recommendations to the client.

AndCo uses time-weighted calculations which are founded on standards recommended by the CFA Institute. The calculations and values shown are based on information that is received from custodians. AndCo analyzes transactions as indicated on the custodian statements and reviews the custodial market values of the portfolio. As a result, this provides AndCo with a reasonable basis that the investment information presented is free from material misstatement. This methodology of evaluating and measuring performance provides AndCo with a practical foundation for our observations and recommendations. Nothing came to our attention that would cause AndCo to believe that the information presented is significantly misstated.

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