

Fourth Quarter 2018 Performance Report

Adams County Retirement Plan **February 5, 2019**

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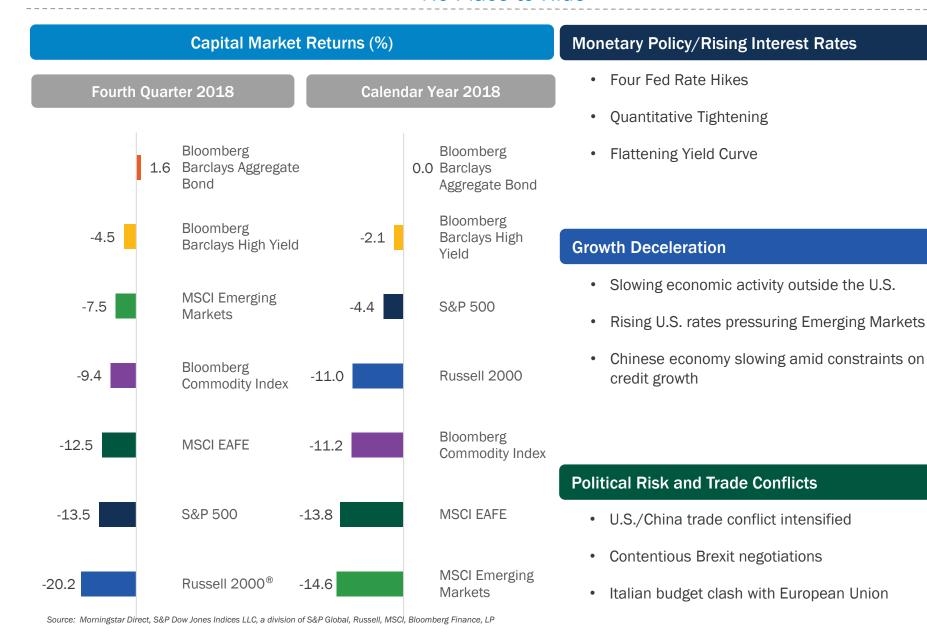


4th Quarter 2018 Capital Markets Exhibits



Key Themes in 2018

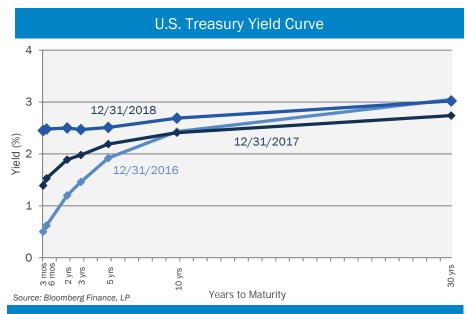
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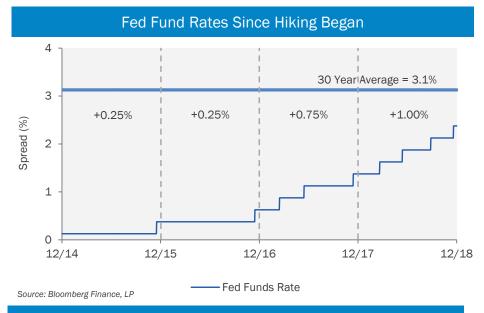
Federal Reserve: Impact on the Market

As of December 31, 2018







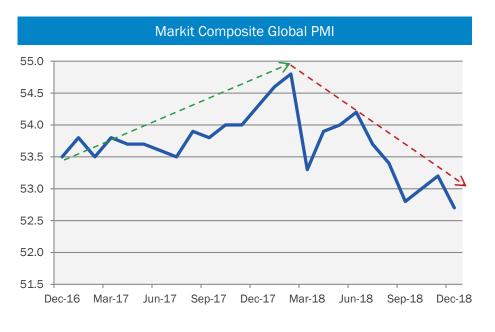


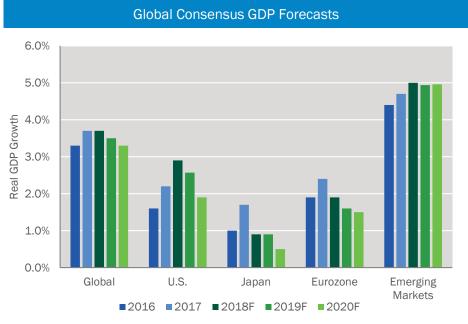
Observations

- The Federal Open Market Committee raised the Fed Funds Rate four times in 2018, the largest annual increase since 2006. The Federal Reserve's goal is to return to a more normalize interest rate regime while balancing the risks of dampening economic growth.
- The Federal Reserve has also begun "Quantitative Tightening", reducing its balance sheet which peaked at \$4.5 trillion in the years following the financial crisis. The reduction in balance sheet assets has pushed interest rates higher on the short and intermediate end of the yield curve.
- The increase in short/intermediate term interest rates has caused the yield curve to flatten as short term yields approached the levels of longer term yields, raising concerns about an inverted yield curve (short rates above long rates) which has historically predicted forthcoming recessions.



Future Growth Projections Slowing





Source: Bloomberg Finance, LP

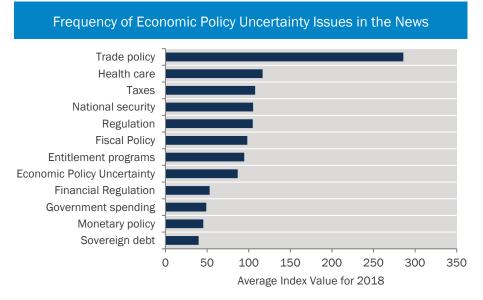
Source: IMF; Bloomberg Finance, LP

Observations

- After synchronized global growth in 2017, where all major regions demonstrated stronger global activity, most countries this past year
 exhibited positive growth but a deceleration from historically high levels of output.
- As shown above, global GDP is expected to remain steady at 3.7% in 2018 amongst mixed results across regions with the U.S. and Emerging Markets growing while Japan and the Eurozone decelerated.
- While 2018 economic conditions were stable, market participants have been concerned with the softening of future growth forecasts as consensus projections have predicted lower real GDP growth globally in both 2019 and 2020.



Trade Tensions Dominate News Flow





Source: "Measuring Economic Policy Uncertainty" by Scott Baker, Nicholas Bloom and Steven J. Davis at www.PolicyUncertainty.com

Source: World Trade Organization. Last data available is Q3/2018

Observations

- There was no shortage of news flow in 2018 covering politics and policy. Using data from the Economic Policy
 Uncertainty index, which seeks to capture the frequency of media coverage (over 2,000 U.S. newspapers) of various
 government policy measures, indicates that Trade Policy was by far the most frequently cited economic policy issue
 with uncertain outcomes.
- While the U.S. has been in trade negotiations with a number of countries, the focus was on China, ultimately resulting in tariffs placed on roughly \$250 billion of Chinese imports.
- While data on export volumes suggest that US and China exports have not yet been materially impacted by the trade tensions, market sentiment has been negative over concerns of its potential effect on economic growth in 2019.

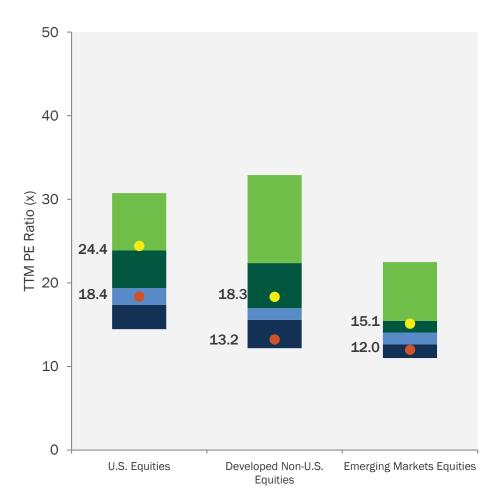
Source: Bloomberg Finance, LP



Equity Valuations

Trailing Price to Earnings Ratio (Last 20 Years)

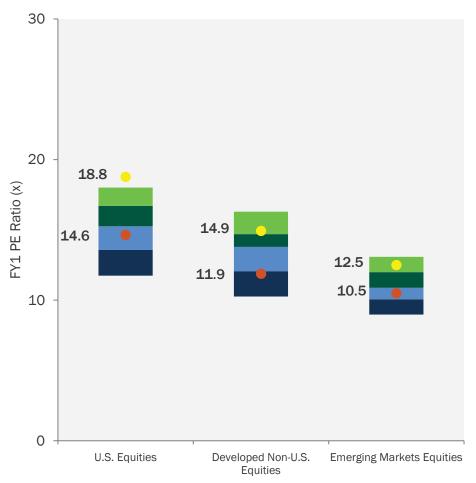




Source: MSCI, As of 12/31/2018

Forward Price to Earnings Ratio (Last 15.5 Years)

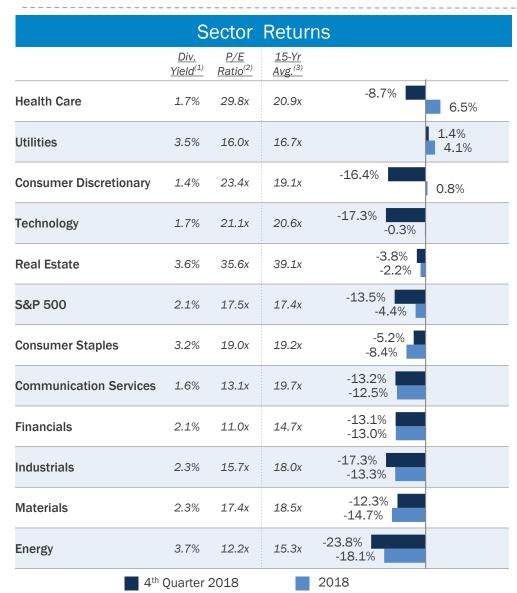




Source: MSCI, As of 12/31/2018

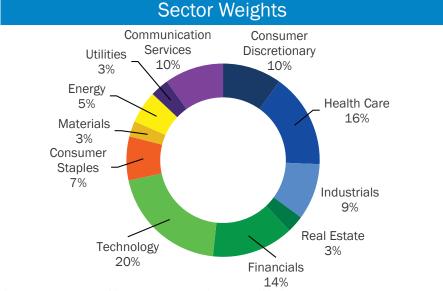


S&P 500 Scorecard

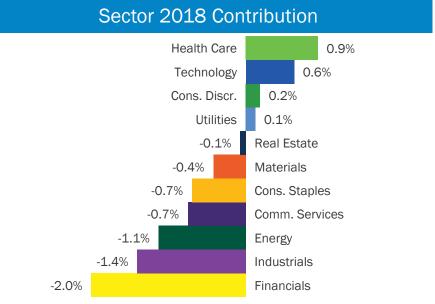




⁽¹⁾Trailing 12 month Dividend Yield as of 12/31/2018.



Source: Morningstar Direct, S&P Dow Jones Indices LLC, a division of S&P Global



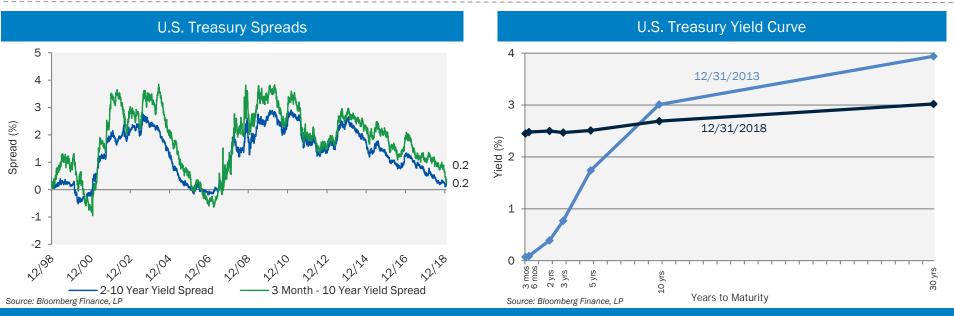
Source: Morningstar Direct, S&P Dow Jones Indices LLC, a division of S&P Global, GICS



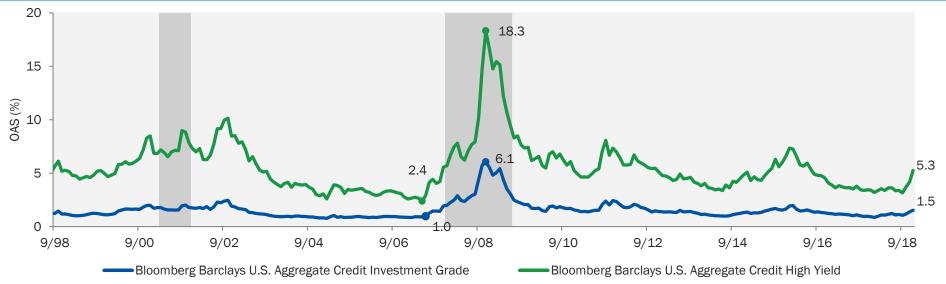
⁽²⁾Trailing 12 month P/E as of 12/31/2018.

⁽³⁾¹⁵⁻year average trailing 12 month P/E as of 12/31/2018.

Rates and Spreads



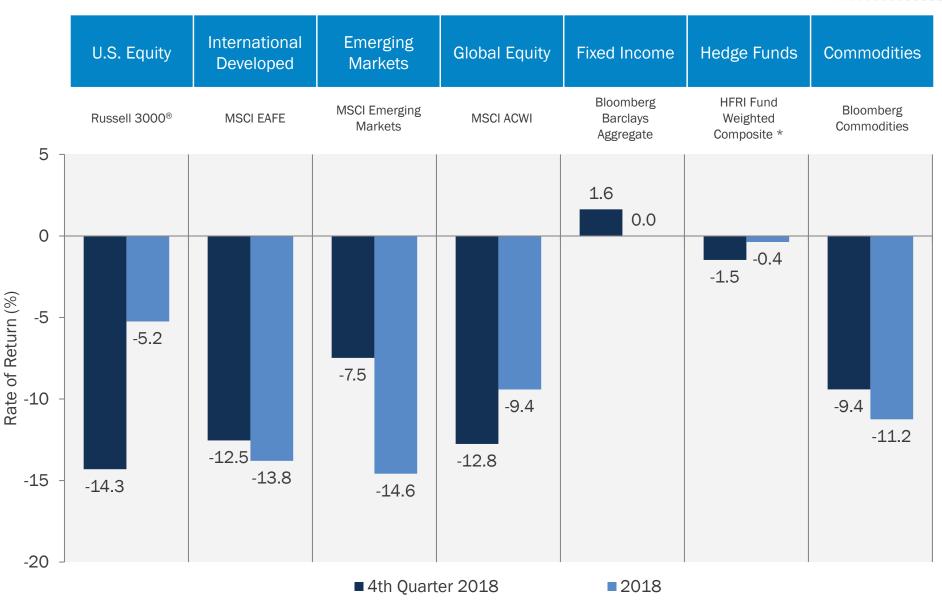
Fixed Income Spreads Relative to Treasuries (Last 20 Years)



Source: Bloomberg Finance, LP, Grey bars represent U.S. recessions; As of 12/31/2018



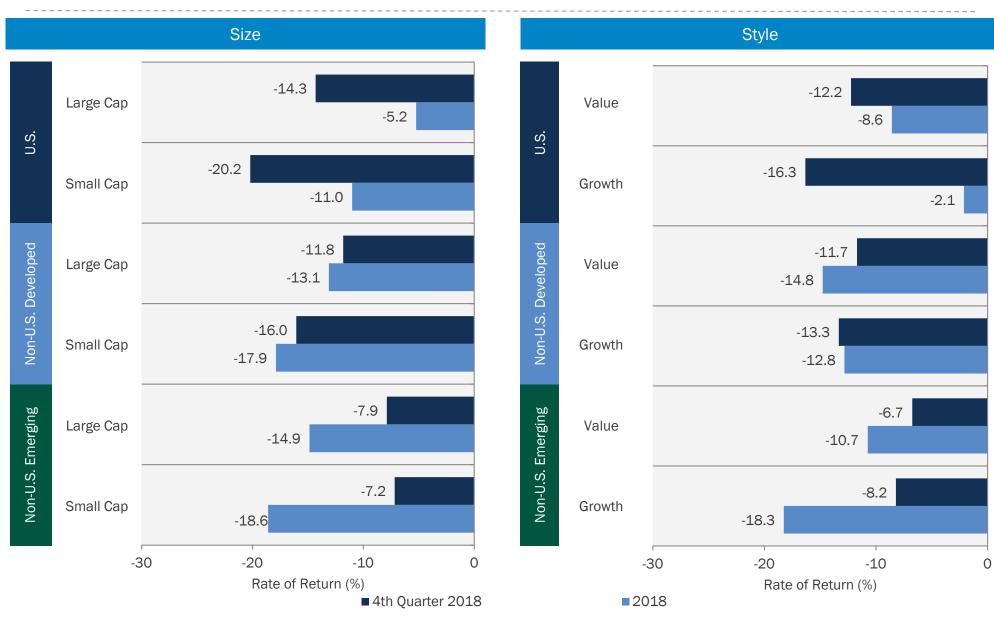
Market Overview



Source: Morningstar Direct, S&P Dow Jones Indices LLC, a division of S&P Global, Russell, MSCI, Hedge Fund Research, Inc., Bloomberg Finance, LP *HFRI Fund Weighted Composite return is as of November 30, 2018.



Global Equity Factor Performance



Note: Indices above are the respective size and style sub-indices of Russell and MSCI. Source: Morningstar Direct, Russell, and MSCI.



Non-U.S. / Global Equity Markets

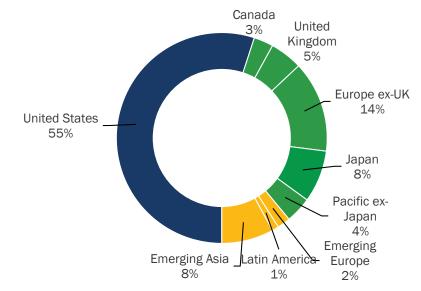


U.S. Dollar vs. Foreign Currencies



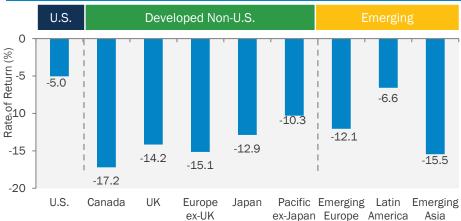
Source: Federal Reserve Board; U.S. trade-weighted index, As of 12/28/2018.

MSCI ACWI Equity Weights



Source: MSCI

YTD Regional Market Returns (USD)

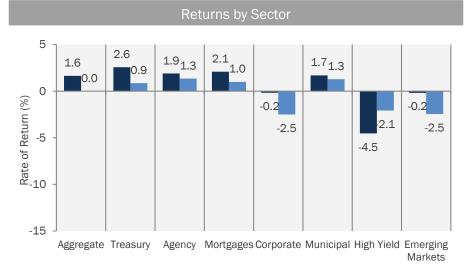


Source: Morningstar Direct, MSCI.



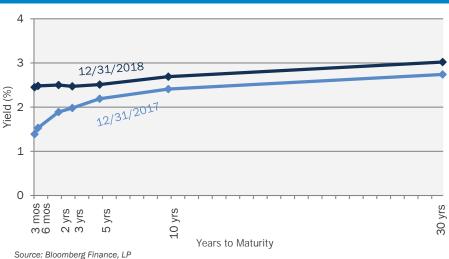
Fixed Income Markets





■4th Quarter 2018 **2018** Source: Bloomberg Finance, LP, Morningstar Direct

U.S. Treasury Yield Curve

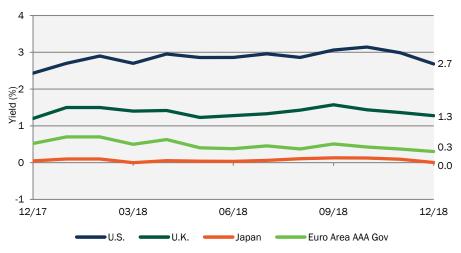


Returns by Duration



Source: Bloomberg Finance, LP, Morningstar Direct

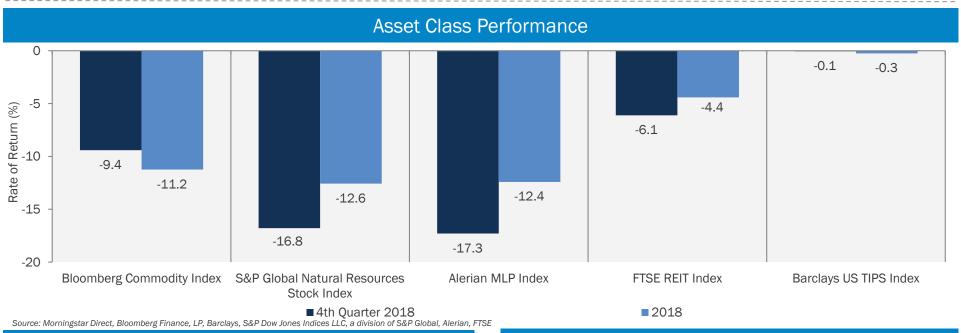
Global Ten Year Government Spot Yields



Source: Bloomberg Finance, LP



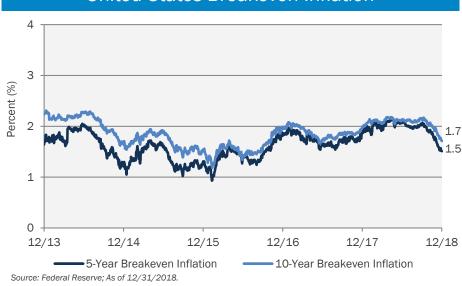
Real Assets



WTI Crude Oil Prices 120 100 80 Dollars (\$) 45 20 0 12/13 12/14 12/15 12/16 12/17 12/18

Source: Bloomberg Finance, LP; As of 12/28/2018.

United States Breakeven Inflation





World Markets Heat Map

Calendar Year Returns										
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
U.S. Equity										
S&P 100 Index	22.3%	12.5%	3.2%	16.1%	30.4%	12.7%	2.6%	11.4%	22.0%	-3.9%
S&P 500 Index	26.5%	15.1%	2.1%	16.0%	32.4%	13.7%	1.4%	12.0%	21.8%	-4.4%
Russell 1000 Value Index	19.7%	15.5%	0.4%	17.5%	32.5%	13.5%	-3.8%	17.3%	13.7%	-8.3%
Russell 1000 Growth Index	34.5%	29.1%	-2.9%	14.6%	43.3%	5.6%	-1.4%	11.3%	22.2%	-9.3%
Russell 2000 Index	27.2%	26.8%	-4.2%	16.4%	38.8%	4.9%	-4.4%	21.3%	14.6%	-11.0%
Russell 2000 Value Index	20.5%	24.5%	-5.5%	18.1%	34.5%	4.2%	-7.5%	31.7%	7.8%	-12.9%
Russell 2000 Growth Index	34.5%	29.1%	-2.9%	14.6%	43.3%	5.6%	-1.4%	11.3%	22.2%	-9.3%
Russell Micro Cap Index	27.5%	28.9%	-9.3%	19.7%	45.6%	3.6%	-5.2%	20.4%	13.2%	-13.1%
Non U.S. Equity										
MSCI ACWI ex U.S. Index	41.5%	11.2%	-13.7%	16.8%	15.3%	-3.9%	-5.7%	4.5%	27.2%	-14.2%
MSCI EAFE Index	31.8%	7.7%	-12.1%	17.3%	22.8%	-4.9%	-0.8%	1.0%	25.0%	-13.8%
MSCI EAFE Small Cap Index	46.8%	22.0%	-15.9%	20.0%	29.3%	-4.9%	9.6%	2.2%	33.0%	-17.9%
MSCI Emerging Markets Index	78.5%	18.9%	-18.4%	18.2%	-2.6%	-2.2%	-14.9%	11.2%	37.3%	-14.6%
MSCI Emerging Mkts. Small Cap Index	113.8%	27.2%	-27.2%	22.2%	1.0%	1.0%	-6.8%	2.3%	33.8%	-18.6%
MSCI Frontier Markets Index	11.6%	23.8%	-18.7%	8.9%	25.9%	6.8%	-14.5%	2.7%	31.9%	-16.4%
Global										
MSCI ACWI Index	34.6%	12.7%	-7.4%	16.1%	22.8%	4.2%	-2.4%	7.9%	24.0%	-9.4%
Fixed Income										
Barclays US Aggregate Index	5.9%	6.5%	7.8%	4.2%	-2.0%	6.0%	0.5%	2.6%	3.5%	0.0%
Barclays US Inv. Grade. Corp. Index	18.7%	9.0%	8.1%	9.8%	-1.5%	7.4%	-0.7%	6.1%	6.4%	-2.5%
Barclays High Yield Index	58.2%	15.1%	5.0%	15.8%	7.4%	2.5%	-4.5%	17.1%	7.5%	-2.1%
Barclays US Corp Long AA+ Index	4.9%	10.1%	19.1%	10.1%	-7.8%	18.7%	-1.1%	6.9%	10.8%	-3.4%
Barclays US Treasury Long Index	-12.9%	9.4%	29.9%	3.6%	-12.7%	25.1%	-1.2%	1.3%	8.5%	-1.8%
Barclays U.S. Municipal Bond Index	12.9%	2.4%	10.7%	6.8%	-2.6%	9.1%	3.3%	0.2%	5.4%	1.3%
Barclays Global Agg. ex. U.S. Index	7.5%	4.9%	4.4%	4.1%	-3.1%	-3.1%	-6.0%	1.5%	10.5%	-2.1%
Barclays EM Debt (Local) Gov't Index	17.1%	12.5%	0.3%	13.9%	-4.3%	-1.9%	-10.4%	5.9%	14.3%	-3.4%
Alternatives										
Bloomberg Commodity Index	18.9%	16.8%	-13.3%	-1.1%	-9.5%	-17.0%	-24.7%	11.8%	1.7%	-11.2%
Bloomberg Commodity - Gold	22.9%	28.7%	9.6%	6.1%	-28.7%	-1.7%	-10.9%	7.7%	12.8%	-2.8%
Bloomberg Commodity - WTI Crude Oil	4.4%	3.8%	-3.6%	-11.8%	6.8%	-41.7%	-44.3%	7.1%	5.1%	-20.5%
Bloomberg Commodity - Agriculture	13.7%	38.5%	-14.4%	4.0%	-14.3%	-9.2%	-15.6%	2.1%	-11.0%	-10.8%
FTSE REIT Index	27.4%	27.6%	7.3%	20.1%	3.2%	27.1%	2.3%	9.3%	9.3%	-4.4%

Source: Morningstar Direc	t, Bloomberg Finance, LP	, Russell, S&P Dow	Jones Indices LLC, a division	of S&P, MSCI, FTSE; As of 12/31/2018
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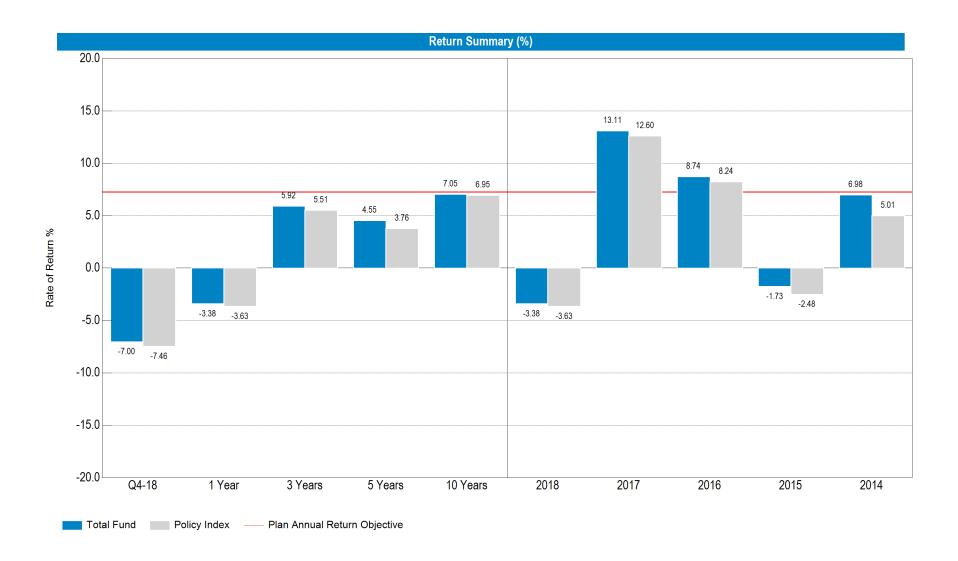
Annualized Returns										
	2018	1-Yr	3-Yr	5-Yr	10-Yr	TTM P/E	Div. Yield			
U.S. Equity										
S&P 100 Index	-3.9%	-3.9%	9.3%	8.6%	12.5%	17.8x	2.3%			
S&P 500 Index	-4.4%	-4.4%	9.3%	8.5%	13.1%	17.2x	2.2%			
Russell 1000 Value Index	-8.3%	-8.3%	7.0%	5.9%	11.2%	13.4x	2.9%			
Russell 1000 Growth Index	-9.3%	-9.3%	7.2%	5.1%	13.5%	22.4x	1.4%			
Russell 2000 Index	-11.0%	-11.0%	7.4%	4.4%	12.0%	14.1x	1.7%			
Russell 2000 Value Index	-12.9%	-12.9%	7.4%	3.6%	10.4%	11.7x	2.5%			
Russell 2000 Growth Index	-9.3%	-9.3%	7.2%	5.1%	13.5%	18.3x	0.8%			
Russell Micro Cap Index	-13.1%	-13.1%	5.8%	3.1%	11.7%	12.2x	1.5%			
Non U.S. Equity										
MSCI ACWI ex U.S. Index	-14.2%	-14.2%	4.5%	0.7%	6.6%	12.1x	3.5%			
MSCI EAFE Index	-13.8%	-13.8%	2.9%	0.5%	6.3%	12.4x	3.6%			
MSCI EAFE Small Cap Index	-17.9%	-17.9%	3.7%	3.1%	10.5%	13.5x	3.1%			
MSCI Emerging Markets Index	-14.6%	-14.6%	9.2%	1.6%	8.0%	11.2x	3.3%			
MSCI Emerging Mkts. Small Cap Index	-18.6%	-18.6%	3.7%	1.0%	9.9%	12.5x	3.1%			
MSCI Frontier Markets Index	-16.4%	-16.4%	4.2%	0.7%	4.8%	12.1x	3.7%			
Global										
MSCI ACWI Index	-9.4%	-9.4%	6.6%	4.3%	9.5%	14.4x	2.8%			
Fixed Income						Duration	YTW			
Barclays US Aggregate Index	0.0%	0.0%	2.1%	2.5%	3.5%	6.0	3.5%			
Barclays US Inv. Grade. Corp. Index	-2.5%	-2.5%	3.3%	3.3%	5.9%	7.2	4.1%			
Barclays High Yield Index	-2.1%	-2.1%	7.2%	3.8%	11.1%	3.8	6.2%			
Barclays US Corp Long AA+ Index	-3.4%	-3.4%	4.6%	6.1%	6.5%	14.0	4.1%			
Barclays US Treasury Long Index	-1.8%	-1.8%	2.6%	5.9%	4.1%	17.0	3.2%			
Barclays U.S. Municipal Bond Index	1.3%	1.3%	2.3%	3.8%	4.9%	6.2	2.9%			
Barclays Global Agg. ex. U.S. Index	-2.1%	-2.1%	3.2%	0.0%	1.7%	7.8	1.0%			
Barclays EM Debt (Local) Gov't Index	-3.4%	-3.4%	5.3%	0.5%		5.9	5.3%			
Alternatives										
Bloomberg Commodity Index	-11.2%	-11.2%	0.3%	-8.8%	-3.8%	-				
Bloomberg Commodity - Gold	-2.8%	-2.8%	5.7%	0.7%	3.1%	-	-			
Bloomberg Commodity - WTI Crude Oil	-20.5%	-20.5%	-3.6%	-21.9%	-11.8%	-	-			
Bloomberg Commodity - Agriculture	-10.8%	-10.8%	-6.8%	-9.1%	-2.9%	-	-			
FTSE REIT Index	-4.4%	-4.4%	4.5%	8.2%	12.4%	-	-			

 $Source: \textit{Morningstar Direct, Bloomberg Finance, LP, Russell, S\&P Dow Jones Indices LLC, a division of S\&P, MSCI, FTSE; As of 12/31/2018$



Total Fund

Total Fund Performance As of December 31, 2018

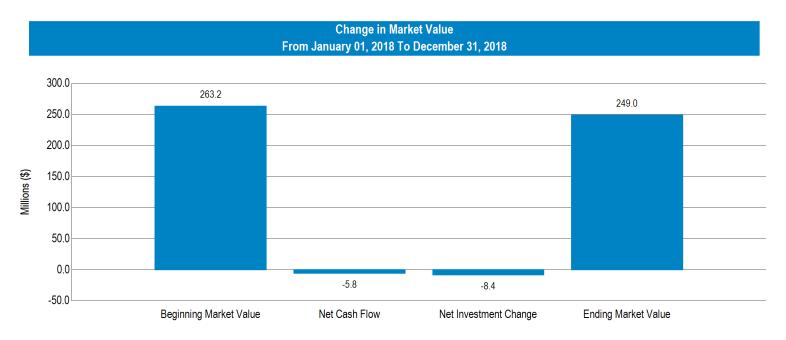




Total Fund

Total Fund Portfolio Reconciliation

Summary of Cash Flows								
	Last Three Months	Year-To-Date						
Beginning Market Value	\$267,803,644.40	\$263,228,027.99						
Net Cash Flow	-\$351,375.72	-\$5,845,470.54						
Net Investment Change	-\$18,501,355.30	-\$8,431,644.07						
Ending Market Value	\$248,950,913.38	\$248,950,913.38						





Total Fund

Total Fund Allocation

		Asset Allocation	vs. Target				
	Policy Range	Policy	%	Current	%	Difference*	%
Public Equity	35.0% - 45.0%	\$99,580,365	40.0%	\$93,502,437	37.6%	-\$6,077,929	-2.4%
Vanguard Institutional Index		\$37,342,637	15.0%	\$34,416,644	13.8%	-\$2,925,993	-1.2%
Vanguard Total International Stock Index		\$24,895,091	10.0%	\$22,544,233	9.1%	-\$2,350,858	-0.9%
American New Perspective Fd R6		\$12,447,546	5.0%	\$12,677,170	5.1%	\$229,624	0.1%
Dodge & Cox Global Equity Fd		\$12,447,546	5.0%	\$11,568,269	4.6%	-\$879,277	-0.4%
FIAM SMID Cap Core		\$12,447,546	5.0%	\$12,296,121	4.9%	-\$151,424	-0.1%
Private Equity	0.0% - 10.0%	\$12,447,546	5.0%	\$12,447,042	5.0%	-\$504	0.0%
Mesirow Private Equity III				\$822,193	0.3%		
Mesirow Private Equity IV				\$2,148,443	0.9%		
Adams Street 2012 Global Fund				\$3,576,090	1.4%		
NGP Natural Resources XI				\$2,113,859	0.8%		
RCP Fund XI				\$1,475,995	0.6%		
Strategic Value Special Situations III				\$2,310,462	0.9%		
Fixed Rate Debt	5.0% - 15.0%	\$24,895,091	10.0%	\$29,677,270	11.9%	\$4,782,179	1.9%
Segall Bryant & Hamill		\$12,447,546	5.0%	\$16,211,146	6.5%	\$3,763,600	1.5%
Metropolitan West Total Return		\$12,447,546	5.0%	\$13,466,124	5.4%	\$1,018,578	0.4%
Floating Rate Debt	10.0% - 20.0%	\$37,342,637	15.0%	\$28,639,797	11.5%	-\$8,702,840	-3.5%
Barings Global Floating Rate Fund		\$12,447,546	5.0%	\$18,264,423	7.3%	\$5,816,878	2.3%
Golub Capital Partners 11				\$2,800,000	1.1%		
Principal Real Estate Debt Fund				\$1,609,878	0.6%		
Principal Real Estate Debt Fund II				\$5,965,496	2.4%		
Low Volatility	5.0% - 15.0%	\$24,895,091	10.0%	\$24,735,171	9.9%	-\$159,920	-0.1%
Grosvenor Institutional Partners		\$12,447,546	5.0%	\$12,355,819	5.0%	-\$91,727	0.0%
Parametric Defensive Equity Fund		\$12,447,546	5.0%	\$12,379,352	5.0%	-\$68,194	0.0%
Liquid Real Assets	0.0% - 10.0%	\$12,447,546	5.0%	\$10,818,017	4.3%	-\$1,629,529	-0.7%
Tortoise MLP Account		\$12,447,546	5.0%	\$10,818,017	4.3%	-\$1,629,529	-0.7%
Real Estate	10.0% - 20.0%	\$37,342,637	15.0%	\$43,696,623	17.6%	\$6,353,986	2.6%
Principal US Property Account		\$24,895,091	10.0%	\$27,051,375	10.9%	\$2,156,284	0.9%
Harbert US Real Estate Fund V		, ,,		\$7,628,219	3.1%	, ,, -	
Harbert US Real Estate Fund VI				\$9,017,029	3.6%		
Cash				\$5,434,556	2.2%	\$5,434,556	2.2%
Operating Account				\$5,257,754	2.1%	7-,,0	
Mill Levy Operating Account				\$176,803	0.1%		
Total		\$248,950,913	100.0%	\$248,950,913	100.0%		

^{*}Difference between Policy and Current Allocation



Total Fund

Total Fund Cash Flow Summary

	Cash Flow Summary			
	-	Quarter Ending Dec	ember 31, 2018	
	Beginning Market Value	Net Cash Flow	Net Investment Change	Ending Market Value
Vanguard Institutional Index	\$41,892,902	-\$2,000,000	-\$5,476,259	\$34,416,644
Vanguard Total International Stock Index	\$25,521,184	\$0	-\$2,976,951	\$22,544,233
American New Perspective Fd R6	\$14,595,817	\$0	-\$1,918,648	\$12,677,170
Dodge & Cox Global Equity Fd	\$13,252,768	\$0	-\$1,684,499	\$11,568,269
FIAM SMID Cap Core	\$15,076,698	\$21,344	-\$2,801,921	\$12,296,121
Mesirow Private Equity III	\$901,676	-\$79,483	\$0	\$822,193
Mesirow Private Equity IV	\$2,394,884	-\$246,441	\$0	\$2,148,443
Adams Street 2012 Global Fund	\$3,576,090	\$0	\$0	\$3,576,090
NGP Natural Resources XI	\$2,113,859	\$0	\$0	\$2,113,859
RCP Fund XI	\$875,995	\$600,000	\$0	\$1,475,995
Strategic Value Special Situations III	\$2,527,256	-\$216,794	\$0	\$2,310,462
Segall Bryant & Hamill	\$16,029,896	\$12,022	\$169,227	\$16,211,146
Metropolitan West Total Return	\$13,263,740	\$0	\$202,384	\$13,466,124
Barings Global Floating Rate Fund	\$18,908,098	\$0	-\$643,674	\$18,264,423
Golub Capital Partners 11	\$2,491,038	\$308,962	\$0	\$2,800,000
Principal Real Estate Debt Fund	\$1,713,387	-\$138,435	\$34,926	\$1,609,878
Principal Real Estate Debt Fund II	\$4,312,019	\$1,553,202	\$100,275	\$5,965,496
Grosvenor Institutional Partners	\$13,007,108	\$0	-\$651,289	\$12,355,819
Parametric Defensive Equity Fund	\$13,470,973	\$0	-\$1,091,621	\$12,379,352
Tortoise MLP Account	\$12,913,147	\$20,284	-\$2,115,414	\$10,818,017
Principal US Property Account	\$26,718,217	\$0	\$333,158	\$27,051,375
Harbert US Real Estate Fund V	\$8,057,432	-\$429,212	\$0	\$7,628,219
Harbert US Real Estate Fund VI	\$9,441,536	-\$424,508	\$0	\$9,017,029
Operating Account	\$4,084,171	\$1,156,486	\$17,096	\$5,257,754
Mill Levy Operating Account	\$663,751	-\$488,802	\$1,853	\$176,803
Total	\$267,803,644	-\$351,376	-\$18,501,355	\$248,950,913



Total Fund

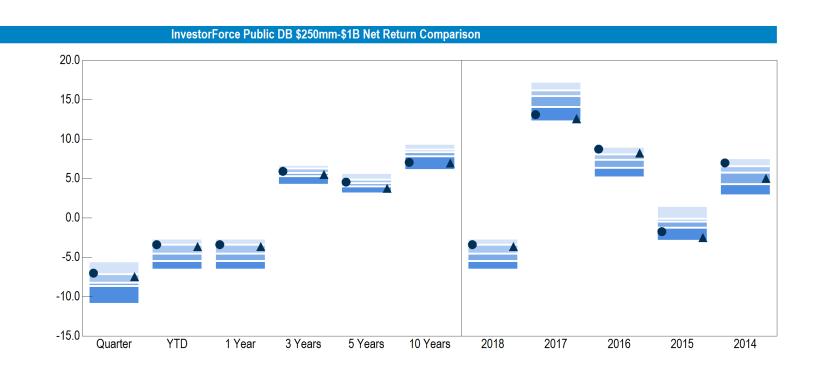
Total Fund Cash Flow Summary

	Cash Flow Summary			
		YTD Ending Dec	ember 31, 2018	
	Beginning Market Value	Net Cash Flow	Net Investment Change	Ending Market Value
Vanguard Institutional Index	\$26,716,222	\$9,941,553	-\$2,241,131	\$34,416,644
Vanguard Total International Stock Index	\$26,333,756	\$0	-\$3,789,523	\$22,544,233
American New Perspective Fd R6	\$13,423,550	\$0	-\$746,380	\$12,677,170
Dodge & Cox Global Equity Fd	\$13,243,213	\$0	-\$1,674,944	\$11,568,269
FIAM SMID Cap Core	\$14,113,567	\$92,615	-\$1,910,061	\$12,296,121
zAberdeen Emerging Markets	\$13,319,741	-\$11,941,553	-\$1,378,189	<u>-</u>
Mesirow Private Equity III	\$1,174,237	-\$379,483	\$27,439	\$822,193
Mesirow Private Equity IV	\$2,602,937	-\$628,941	\$174,447	\$2,148,443
Adams Street 2012 Global Fund	\$3,274,651	-\$150,351	\$451,790	\$3,576,090
NGP Natural Resources XI	\$1,774,605	\$136,305	\$202,949	\$2,113,859
RCP Fund XI	\$344,384	\$1,200,000	-\$68,389	\$1,475,995
Strategic Value Special Situations III	\$2,538,176	-\$635,115	\$407,401	\$2,310,462
Segall Bryant & Hamill	\$16,214,741	\$48,195	-\$51,790	\$16,211,146
Metropolitan West Total Return	\$18,548,431	-\$5,000,000	-\$82,307	\$13,466,124
Barings Global Floating Rate Fund		\$18,806,435	-\$542,012	\$18,264,423
Golub Capital Partners 11	\$2,462,888	\$121,534	\$215,578	\$2,800,000
Principal Real Estate Debt Fund	\$5,984,155	-\$4,589,053	\$214,776	\$1,609,878
Principal Real Estate Debt Fund II	\$2,033,973	\$3,568,397	\$363,126	\$5,965,496
zBabson Capital Floating Rate Income Fund	\$13,773,718	-\$14,362,991	\$589,273	-
Grosvenor Institutional Partners	\$12,547,423	\$0	-\$191,604	\$12,355,819
Parametric Defensive Equity Fund	\$12,746,981	\$0	-\$367,629	\$12,379,352
Tortoise MLP Account	\$12,399,561	\$89,021	-\$1,670,565	\$10,818,017
Principal US Property Account	\$25,023,691	\$0	\$2,027,684	\$27,051,375
Harbert US Real Estate Fund V	\$8,986,223	-\$1,942,003	\$583,999	\$7,628,219
Harbert US Real Estate Fund VI	\$7,235,021	\$810,370	\$971,638	\$9,017,029
Operating Account	\$6,412,181	-\$1,200,919	\$46,491	\$5,257,754
Mill Levy Operating Account		\$170,514	\$6,289	\$176,803
Total	\$263,228,028	-\$5,845,471	-\$8,431,644	\$248,950,913



Total Fund

Total Fund Universe Performance



	Return (Rar	nk)									
5th Percentile	-5.50	-2.64	-2.64	6.70	5.69	9.40	-2.64	17.25	9.04	1.53	7.56
25th Percentile	-7.09	-3.37	-3.37	6.30	4.90	8.71	-3.37	16.23	8.10	-0.09	6.57
Median	-8.18	-4.51	-4.51	5.75	4.43	8.37	-4.51	15.48	7.41	-0.44	5.78
75th Percentile	-8.60	-5.45	-5.45	5.33	4.01	7.83	-5.45	14.11	6.38	-1.20	4.33
95th Percentile	-10.8	-6.53	-6.53	4.23	3.12	6.10	-6.53	12.25	5.15	-2.90	2.89
# of Portfolios	54	54	54	53	51	37	54	59	57	49	31
Total Fund	-7.00 (22)	-3.38 (26)	-3.38 (26)	5.92 (37)	4.55 (44)	7.05 (91)	-3.38 (26)	13.11 (90)	8.74 (10)	-1.73 (84)	6.98 (13)
▲ Policy Index	-7.46 (35)	-3.63 (32)	-3.63 (32)	5.51 (67)	3.76 (86)	6.95 (91)	-3.63 (32)	12.60 (92)	8.24 (22)	-2.48 (91)	5.01 (60)

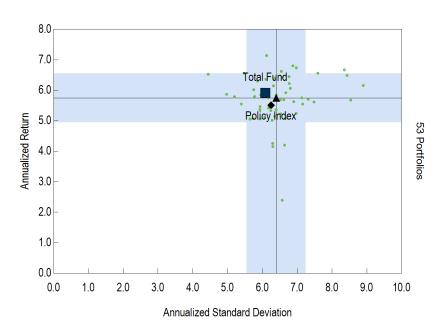


Total Fund

Quarterly Total Managed Investment Funds Risk/Return

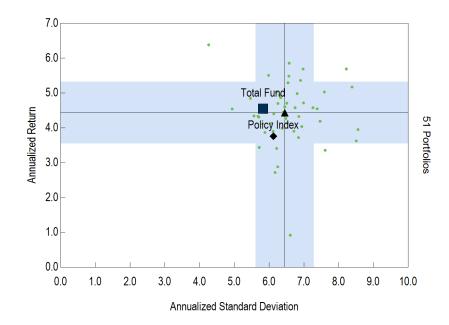
As of December 31, 2018

Annualized Return vs. Annualized Standard Deviation 3 Years Ending December 31, 2018



- Total Fund
- Policy Index
- Universe Median
- 68% Confidence Interval
- InvestorForce Public DB \$250mm-\$1B Net

Annualized Return vs. Annualized Standard Deviation 5 Years Ending December 31, 2018



- Total Fund
- Policy Index
- Universe Median
- 68% Confidence Interval
- InvestorForce Public DB \$250mm-\$1B Net

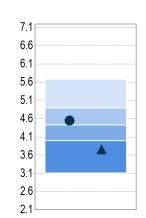


Total Fund

5 Year Risk Statistics vs IF Public DB \$250mm-\$1B Net

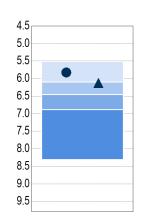
As of December 31, 2018

Return



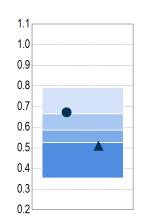
● Total Fund Value Rank ▲ Policy Index Value Rank	4.6 44 3.8 86
Universe 5th %tile 25th %tile	5.7 4.9
Median 75th %tile 95th %tile	4.4 4.0 3.1

Standard Deviation



● Total Fund Value Rank	5.8 15
▲ Policy Index Value Rank	6.1 28
Universe	
5th %tile	5.5
25th %tile	6.1
Median	6.5
75th %tile	6.9
95th %tile	8.3

Sharpe Ratio



 Total Fund Value Rank Policy Index Value Rank 	0.7 24 0.5 77
Universe 5th %tile 25th %tile Median 75th %tile 95th %tile	0.8 0.7 0.6 0.5 0.4



Total Fund

Total Fund Performance

Performance Summary													
	Ending December 31, 2018												
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	2018 (%)	2017 (%)	2016 (%)	2015 (%)	2014 (%)
Total Fund	248,803,833	100.0	-7.0	-3.4	-3.4	5.9	4.6	7.0	-3.4	13.1	8.7	-1.7	7.0
Policy Index			-7.5	-3.6	-3.6	5.5	3.8	7.0	-3.6	12.6	8.2	-2.5	5.0
InvestorForce Public DB \$250mm-\$1B Net Median			-8.2	-4.5	-4.5	5.8	4.4	8.4	-4.5	15.5	7.4	-0.4	5.8
Equity													
Public Equity	93,502,437	37.6	-13.7	-11.2	-11.2	5.9	-		-11.2	23.7	8.1	-3.2	
MSCI ACWI			-12.8	-9.4	-9.4	6.6	4.3	9.5	-9.4	24.0	7.9	-2.4	4.2
InvestorForce Public DB Total Eq Net Median			-13.1	-8.1	-8.1	7.0	5.1	10.3	-8.1	22.6	9.2	-1.4	5.9
Private Equity	12,447,042	5.0	0.0	10.2	10.2	12.1	11.1	12.4	10.2	15.5	10.7	4.6	14.7
Russell 3000			-14.3	-5.2	-5.2	9.0	7.9	13.2	-5.2	21.1	12.7	0.5	12.6
Debt													
Fixed Rate Debt	29,677,270	11.9	1.3	-0.1	-0.1	2.5	-	-	-0.1	4.3	3.3	0.1	
BBgBarc US Aggregate TR			1.6	0.0	0.0	2.1	2.5	3.5	0.0	3.5	2.6	0.6	6.0
Intermediate-Term Bond MStar MF Median			1.1	-0.3	-0.3	2.4	2.5	4.6	-0.3	3.9	3.2	0.2	5.8
Floating Rate Debt	28,492,718	11.5	-2.2	3.3	3.3	6.0	-		3.3	6.3	8.5	3.3	
Credit Suisse Leveraged Loans			-3.1	1.1	1.1	5.0	3.3	8.3	1.1	4.2	9.9	-0.4	2.1
Alternatives													
Low Volatility Strategies	24,735,171	9.9	-6.6	-2.2	-2.2	3.1	2.7	4.3	-2.2	6.5	5.2	0.3	3.8
Low Volatility Custom Index			-5.7	-2.5	-2.5	2.2	1.9	3.4	-2.5	8.8	0.5	-0.3	3.4
Liquid Real Assets	10,818,017	4.3	-16.4	-13.4	-13.4	-1.1	-4.0		-13.4	-3.0	15.1	-27.3	15.9
Alerian MLP TR USD			-17.3	-12.4	-12.4	-1.1	-7.3	9.6	-12.4	-6.5	18.3	-32.6	4.8
Real Estate	43,696,623	17.6	0.8	8.7	8.7	9.7			8.7	10.6	9.7	13.1	
Real Estate Custom Index			1.2	6.8	6.8	7.1			6.8	6.8	7.8	13.7	



Total Fund

Total Fund Information

Summary of Cash Flows									
	2018	2017	2016	2015					
Beginning Market Value	\$263,228,027.99	\$238,653,109.98	\$225,558,147.84	\$235,260,360.36					
Net Cash Flow	-\$5,845,470.54	-\$6,090,730.25	-\$6,114,106.18	-\$5,758,012.56					
Net Investment Change	-\$8,431,644.07	\$30,665,648.26	\$19,209,068.32	-\$3,944,199.96					
Ending Market Value	\$248,950,913.38	\$263,228,027.99	\$238,653,109.98	\$225,558,147.84					
Time Weighted Return	-3.38%	13.11%	8.74%	-1.73%					
Money Weighted Return	-3.33%	13.02%	8.57%	-1.79%					

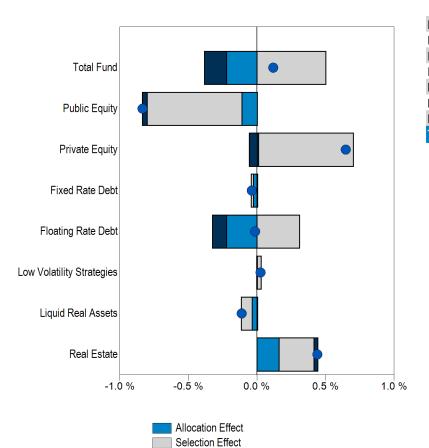


Total Fund

Total Fund Attribution Analysis

As of December 31, 2018

Attribution Effects 1 Year Ending December 31, 2018



Interaction Effects Total Effect

Attribution Summary 1 Year Ending December 31, 2018											
	Wtd. Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Interaction Effects	Total Effects				
Public Equity	-11.2%	-9.4%	-1.7%	-0.7%	-0.1%	0.0%	-0.8%				
Private Equity	10.2%	-5.2%	15.5%	0.7%	0.0%	0.0%	0.7%				
Fixed Rate Debt	-0.1%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.0%				
Floating Rate Debt	3.3%	1.1%	2.2%	0.3%	-0.2%	-0.1%	0.0%				
Low Volatility Strategies	-2.2%	-2.5%	0.2%	0.0%	0.0%	0.0%	0.0%				
Liquid Real Assets	-13.4%	-12.4%	-1.0%	-0.1%	0.0%	0.0%	-0.1%				
Real Estate	8.7%	6.8%	1.8%	0.2%	0.2%	0.0%	0.5%				
Total	-3.4%	-3.6%	0.2%	0.5%	-0.1%	-0.2%	0.2%				



Total Fund

Total Fund Risk Statistics

3 Year Risk Statistics										
	Annualized Return (%)	Annualized Standard Deviation	Annualized Alpha (%)	Beta	Tracking Error	Up Market Capture Ratio (%)	Down Market Capture Ratio (%)	Sharpe Ratio	Information Ratio	
Total Fund	5.92	5.78	1.03	0.89	1.13	95.75	87.57	0.84	0.36	
Policy Index	5.51	6.44	0.00	1.00	0.00	100.00	100.00	0.69		
Public Equity	5.92	11.09	-0.91	1.04	1.44	100.48	105.67	0.44	-0.47	
MSCI ACWI	6.60	10.62	0.00	1.00	0.00	100.00	100.00	0.52		
FIAM SMID Cap Core	3.96	14.08	-3.03	0.95	3.49	84.40	103.57	0.21	-0.96	
Russell 2500	7.32	14.30	0.00	1.00	0.00	100.00	100.00	0.44		
Private Equity	12.11	6.02	12.35	-0.03	13.10	48.79	-9.26	1.84	0.24	
Russell 3000	8.97	11.34	0.00	1.00	0.00	100.00	100.00	0.70		
Fixed Rate Debt	2.47	2.86	0.47	0.98	0.57	103.72	91.96	0.50	0.73	
BBgBarc US Aggregate TR	2.06	2.88	0.00	1.00	0.00	100.00	100.00	0.35		
Segall Bryant & Hamill	2.83	3.04	0.77	0.94	0.46	100.91	82.79	0.59	1.39	
BBgBarc US Govt/Credit TR	2.19	3.20	0.00	1.00	0.00	100.00	100.00	0.36		
Floating Rate Debt	6.00	2.48	2.59	0.68	1.84	102.78	51.30	2.00	0.53	
Credit Suisse Leveraged Loans	5.03	2.79	0.00	1.00	0.00	100.00	100.00	1.43		
Principal Real Estate Debt Fund	8.25	3.33	8.55	-0.06	4.45	102.12	-91.77	2.16	0.72	
Credit Suisse Leveraged Loans	5.03	2.79	0.00	1.00	0.00	100.00	100.00	1.43		
Low Volatility Strategies	3.10	4.01	1.20	0.87	1.71	103.16	85.24	0.52	0.53	
Low Volatility Custom Index	2.19	4.21	0.00	1.00	0.00	100.00	100.00	0.27		
Grosvenor Institutional Partners	2.23	3.69	1.01	0.91	1.61	106.19	87.13	0.32	0.55	
HFRI Fund of Funds Composite Index	1.34	3.67	0.00	1.00	0.00	100.00	100.00	0.08		
Liquid Real Assets	-1.11	17.57	-0.12	0.94	3.86	89.93	95.33	-0.12	-0.01	
Alerian MLP TR USD	-1.06	18.36	0.00	1.00	0.00	100.00	100.00	-0.11		
Tortoise MLP Account	-1.11	17.57	-0.12	0.94	3.86	89.93	95.33	-0.12	-0.01	



Total Fund

Total Fund Risk Statistics

	Annualized Return (%)	Annualized Standard Deviation	Annualized Alpha (%)	Beta	Tracking Error	Up Market Capture Ratio (%)	Down Market Capture Ratio (%)	Sharpe Ratio	Information Ratio
Alerian MLP TR USD	-1.06	18.36	0.00	1.00	0.00	100.00	100.00	-0.11	
Real Estate	9.66	2.02	5.57	0.57	1.69	80.70		4.27	1.48
Real Estate Custom Index	7.15	2.92	0.00	1.00	0.00	100.00		2.09	
Principal US Property Account	8.39	0.75	8.39	0.00	3.07	35.89		9.86	0.34
NCREIF-ODCE Net	7.35	2.98	0.00	1.00	0.00	100.00		2.12	
Harbert US Real Estate Fund V	12.61	5.96	0.25	1.84	3.56	198.22		1.94	1.65
NCREIF Property Index	6.73	2.92	0.00	1.00	0.00	100.00	-	1.95	



Public Equity

Public Equity Performance

Ending	December	31, 2018
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	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Public Equity	93,502,437	100.0	-13.7	-11.2	-11.2	5.9			3.3	Jul-14
MSCI ACWI			-12.8	-9.4	-9.4	6.6	4.3	9.5	3.4	Jul-14
InvestorForce Public DB Total Eq Net Rank			71	88	88	92			80	Jul-14
InvestorForce Public DB Total Eq Net Median			-13.1	-8.1	-8.1	7.0	5.1	10.3	4.7	Jul-14
Vanguard Institutional Index	34,416,644	36.8	-13.5	-4.4	-4.4				3.0	Jul-17
S&P 500			-13.5	-4.4	-4.4	9.3	8.5	13.1	3.1	Jul-17
Large Blend MStar MF Rank			40	23	23				13	Jul-17
Large Blend MStar MF Median			-13.7	-5.5	-5.5	8.1	7.4	12.6	0.6	Jul-17
Vanguard Total International Stock Index	22,544,233	24.1	-11.7	-14.4	-14.4				-5.7	Jul-17
FTSE Global All Cap ex US			-11.8	-14.4	-14.4	4.7	1.3	7.5	-5.4	Jul-17
Foreign Large Blend MStar MF Rank			23	41	41				7	Jul-17
Foreign Large Blend MStar MF Median			-13.1	-15.1	-15.1	2.8	0.3	6.2	-9.5	Jul-17
American New Perspective Fd R6	12,677,170	13.6	-13.1	-5.6	-5.6				0.7	Jul-17
MSCI ACWI			-12.8	-9.4	-9.4	6.6	4.3	9.5	-1.4	Jul-17
MSCI ACWI Growth NR USD			-14.7	-8.1	-8.1	7.2	5.7	10.8	0.4	Jul-17
World Large Stock Mstar MF Rank			49	21	21				16	Jul-17
World Large Stock Mstar MF Median			-13.5	-9.4	-9.4	5.9	4.1	9.9	-3.7	Jul-17
Dodge & Cox Global Equity Fd	11,568,269	12.4	-12.7	-12.6	-12.6				-5.3	Jul-17
MSCI ACWI			-12.8	-9.4	-9.4	6.6	4.3	9.5	-1.4	Jul-17
MSCI ACWI Value NR USD			-10.7	-10.8	-10.8	5.9	2.7	8.1	-3.3	Jul-17
World Large Stock Mstar MF Rank			46	76	76				66	Jul-17
World Large Stock Mstar MF Median			-13.5	-9.4	-9.4	5.9	4.1	9.9	-3.7	Jul-17



Public Equity

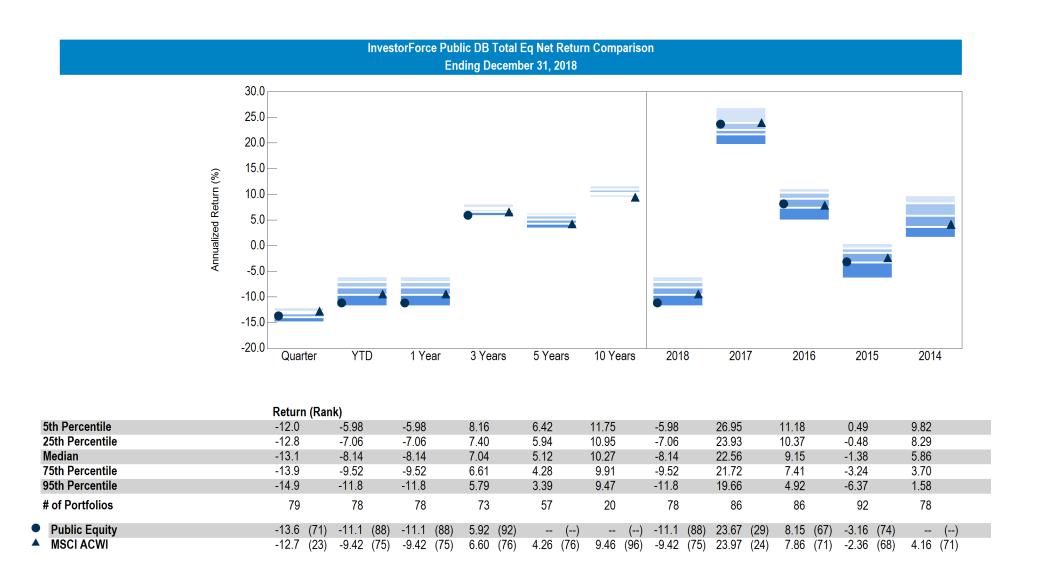
As of December 31, 2018

Ending December 31, 2018

	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
FIAM SMID Cap Core	12,296,121	13.2	-18.6	-13.5	-13.5	4.0	4.5		8.3	Apr-13
Russell 2500			-18.5	-10.0	-10.0	7.3	5.1	13.2	8.0	Apr-13
SMID Blend MStar MF Rank			54	65	65	78	39		21	Apr-13
SMID Blend MStar MF Median			-18.4	-12.0	-12.0	6.0	3.9	12.2	7.2	Apr-13

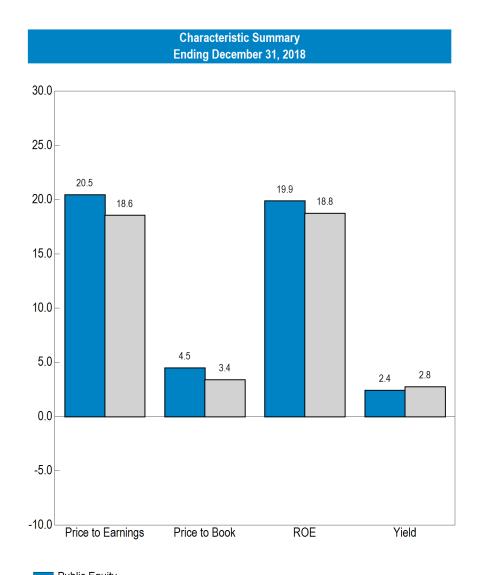


Public Equity





Public Equity



3 YEAR RISK R	ETURN STATISTICS	
	Public Equity	MSCI ACWI
RETURN SUMMARY STATISTICS		
Number of Periods	12	12
Maximum Return	7.64	6.91
Minimum Return	-13.67	-12.75
Annualized Return	5.92	6.60
Total Return	18.83	21.13
Annualized Excess Return Over Risk Free	4.88	5.56
Annualized Excess Return	-0.68	0.00
RISK SUMMARY STATISTICS		
Beta	1.06	1.00
Upside Deviation	4.67	4.94
Downside Deviation	13.21	16.68
RISK/RETURN SUMMARY STATIST	rics	
Annualized Standard Deviation	11.15	10.48
Alpha	-0.24	0.00
Sharpe Ratio	0.44	0.53
Excess Return Over Market / Risk	-0.06	0.00
Tracking Error	1.42	0.00
Information Ratio	-0.48	
CORRELATION STATISTICS		
R-Squared	0.99	1.00
Correlation	0.99	1.00





Public Equity

As of December 31, 2018

Country Allocation						
	Manager Ending	Index Ending				
	Allocation (USD)	Allocation (USD)				
Europe	,	, ,				
Austria	0.1%	0.1%				
Belgium	0.2%	0.3%				
Bulgaria**	0.0%	0.0%				
Croatia**	0.0%	0.0%				
Czech Republic*	0.0%	0.0%				
Denmark	0.5%	0.5%				
Estonia**	0.0%	0.0%				
Finland	0.2%	0.3%				
France	3.0%	3.4%				
Germany	1.8%	2.7%				
Greece*	0.0%	0.0%				
Hungary*	0.0%	0.0%				
Ireland	0.3%	0.2%				
Italy	0.7%	0.7%				
Lithuania**	0.0%	0.0%				
Luxembourg	0.1%	0.0%				
Netherlands	1.1%	1.1%				
Norway	0.2%	0.2%				
Poland*	0.1%	0.1%				
Portugal	0.0%	0.0%				
Romania**	0.0%	0.0%				
Russia*	0.3%	0.4%				
Serbia**	0.0%	0.0%				
Slovenia**	0.0%	0.0%				
Spain	0.8%	1.0%				
Sweden	0.6%	0.8%				
Switzerland	2.7%	2.7%				
United Kingdom	4.4%	5.2%				
Total-Europe	17.1%	19.9%				

Country Allocation								
Versus MSCI ACWI - Quarter Ending December 31, 2018								
		Manager	Index					
		Ending Allocation (USD) Ending	Allocation (USD)					
Totals								
Developed		89.9%	88.1%					
Emerging*		8.6%	11.9%					
Frontier**		0.0%	0.0%					
Other		0.2%						
Cash		1.3%						

Country Allocation								
	Manager Ending Allocation (USD)	Index Ending Allocation (USD)						
Americas								
Argentina**	0.0%	0.0%						
Brazil*	1.0%	0.9%						
Canada	1.9%	3.0%						
Chile*	0.1%	0.1%						
Colombia*	0.0%	0.0%						
Mexico*	0.5%	0.3%						
Peru*	0.0%	0.1%						
United States	62.8%	54.3%						
Total-Americas	66.3%	58.7%						

	Manager Ending Allocation (USD)	Index Ending Allocation (USD)
AsiaPacific		
Australia	1.2%	2.1%
Bangladesh**	0.0%	0.0%
China*	1.3%	3.6%
Hong Kong	1.7%	1.2%
India*	1.2%	1.1%
Indonesia*	0.1%	0.3%
Japan	5.2%	7.6%
Korea*	1.2%	1.6%
Malaysia*	0.2%	0.3%
New Zealand	0.1%	0.1%
Pakistan*	0.0%	0.0%
Philippines*	0.1%	0.1%
Singapore	0.3%	0.4%
Sri Lanka**	0.0%	0.0%
Taiwan*	1.2%	1.4%
Thailand*	0.3%	0.3%
Vietnam**	0.0%	0.0%
Total-AsiaPacific	13.9%	20.1%

Country Allocation

Country Allocation										
	Manager Ending Allocation (USD)	Index Ending Allocation (USD)								
Other										
Bahrain**	0.0%	0.0%								
Egypt*	0.0%	0.0%								
Israel	0.2%	0.2%								
Jordan**	0.0%	0.0%								
Kazakhstan**	0.0%	0.0%								
Kenya**	0.0%	0.0%								
Kuwait**	0.0%	0.0%								
Lebanon**	0.0%	0.0%								
Mauritius**	0.0%	0.0%								
Morocco**	0.0%	0.0%								
Nigeria**	0.0%	0.0%								
Oman**	0.0%	0.0%								
Other Countries	0.2%	0.0%								
Qatar*	0.1%	0.1%								
South Africa*	0.8%	0.7%								
Tunisia**	0.0%	0.0%								
Turkey*	0.0%	0.1%								
Ukraine**	0.0%	0.0%								
United Arab Emirates*	0.1%	0.1%								
Total-Other	1.5%	1.2%								



Vanguard Institutional Index

	Account Information	
Account Name		Vanguard Institutional Index
Account Structure		Mutual Fund
Investment Style		Active
Inception Date		7/31/17
Account Type		Equity
Benchmark		S&P 500
Universe		Large Blend MStar MF

Characteristics		
	Portfolio	S&P 500
Number of Holdings	509	505
Weighted Avg. Market Cap. (\$B)	183.58	183.23
Median Market Cap. (\$B)	18.45	18.46
Price To Earnings	23.39	20.68
Price To Book	5.87	4.63
Price To Sales	4.29	4.14
Return on Equity (%)	26.13	23.82
Yield (%)	2.22	2.21
Beta		1.00
R-Squared		1.00

Top Ten Holdings							
MICROSOFT	3.72%						
APPLE	3.37%						
AMAZON.COM	2.93%						
BERKSHIRE HATHAWAY 'B'	1.85%						
JOHNSON & JOHNSON	1.64%						
JP MORGAN CHASE & CO.	1.54%						
ALPHABET 'C'	1.51%						
FACEBOOK CLASS A	1.49%						
ALPHABET A	1.48%						
EXXON MOBIL	1.37%						
Total	20.91%						

Risk/Return	Statistics Since Inception	
	Vanguard Institutional Index	S&P 500
RETURN SUMMARY STATISTICS		
Number of Periods	17	17
Maximum Return	5.72	5.73
Minimum Return	-9.03	-9.03
Annualized Return	3.04	3.08
Total Return	4.34	4.39
Annualized Excess Return Over Risk Free	1.38	1.41
Annualized Excess Return	-0.04	0.00
RISK SUMMARY STATISTICS		
Beta	1.00	1.00
Upside Deviation	5.47	5.47
Downside Deviation	10.26	10.25
RISK/RETURN SUMMARY STATISTICS	3	
Annualized Standard Deviation	13.28	13.28
Alpha	0.00	0.00
Sharpe Ratio	0.10	0.11
Excess Return Over Market / Risk	0.00	0.00
Tracking Error	0.01	0.00
Information Ratio	-3.49	
CORRELATION STATISTICS		
R-Squared	1.00	1.00
Correlation	1.00	1.00



Vanguard Institutional Index



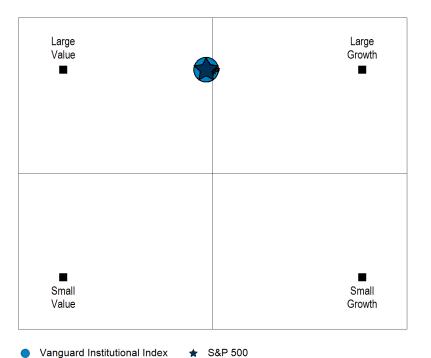
		Return	(Rank)																		
5th Per	centile	-9.15		-0.94		-0.94		10.01		8.73		-0.94		25.83		15.45		3.85		15.76	
25th Pe	ercentile	-12.6		-4.45		-4.45		9.00		8.20		-4.45		22.32		12.14		1.28		13.49	
Median		-13.7		-5.52		-5.52		8.15		7.39		-5.52		21.18		10.89		-0.12		11.93	
75th Pe	ercentile	-14.7		-7.41		-7.41		6.95		6.16		-7.41		18.56		8.95		-2.55		9.90	
95th Pe	ercentile	-16.9		-12.5		-12.5		4.38		4.27		-12.5		14.19		4.98		-6.91		4.77	
# of Po	rtfolios	342		338		338		309		287		338		338		338		352		342	
Vang	uard Institutional Index	-13.5	(40)	-4.42	(23)	-4.42	(23)		()		()	-4.42	(23)		()		()		()		()
▲ S&P	500	-13.5	(39)	-4.38	(22)	-4.38	(22)	9.26	(12)	8.49	(11)	-4.38	(22)	21.83	(31)	11.96	(27)	1.38	(24)	13.69	(20)



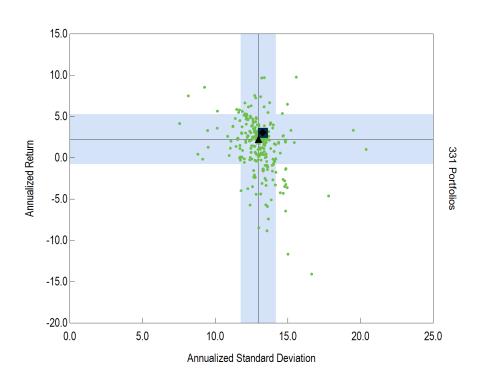
Vanguard Institutional Index

As of December 31, 2018

U.S. Effective Style Map 1 Year 5 Months Ending December 31, 2018



Annualized Return vs. Annualized Standard Deviation 1 Year 5 Months Ending December 31, 2018

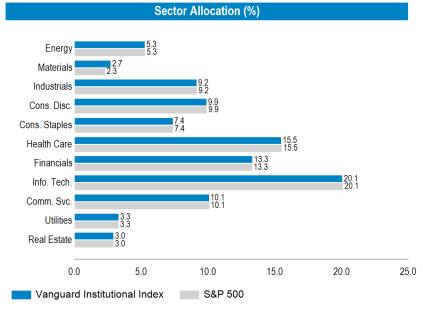


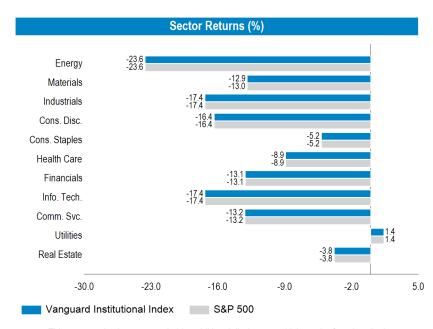
- Vanguard Institutional Index
- S&P 500
- Universe Median
- 68% Confidence Interval
- Large Blend MStar MF



Vanguard Institutional Index

Vanguard Institutional Index Performance Attribution vs. S&P 500										
		Attribution Effects								
	Total	Selection	Allocation							
	Effects	Effect	Effect							
Energy	0.00%	0.00%	0.00%							
Materials	0.00%	0.00%	0.00%							
Industrials	0.01%	0.00%	0.01%							
Consumer Discretionary	0.00%	0.00%	0.00%							
Consumer Staples	0.00%	0.00%	0.00%							
Health Care	0.00%	0.00%	0.00%							
Financials	0.00%	0.00%	0.00%							
Information Technology	0.01%	0.00%	0.01%							
Communication Services	0.00%	0.00%	0.00%							
Utilities	0.00%	0.00%	0.00%							
Real Estate	0.00%	0.00%	0.00%							
Cash	0.00%	0.00%	0.00%							
Portfolio	0.04% =	0.00% +	0.04%							







Vanguard Total International Stock Index

	Account Information
Account Name	Vanguard Total International Stock Index
Account Structure	Mutual Fund
Investment Style	Active
Inception Date	7/31/17
Account Type	Equity
Benchmark	FTSE Global All Cap ex US
Universe	Foreign Large Blend MStar MF

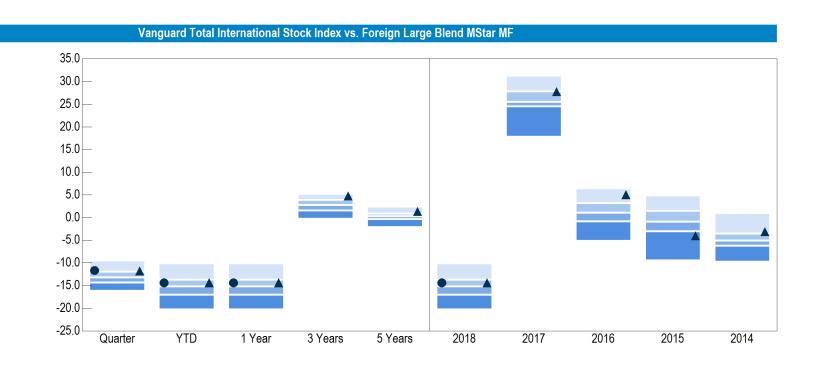
Characteristics		
	Portfolio	FTSE Global All Cap ex US
Number of Holdings	6,213	6,002
Weighted Avg. Market Cap. (\$B)	48.42	48.51
Median Market Cap. (\$B)	1.45	1.44
Price To Earnings	16.85	16.25
Price To Book	2.79	2.20
Price To Sales	2.98	2.35
Return on Equity (%)	16.68	15.08
Yield (%)	3.37	3.36
Beta		1.00
R-Squared		1.00

Top Ten Holdings	
NESTLE 'R'	1.14%
TENCENT HOLDINGS	1.06%
NOVARTIS 'R'	0.87%
ROCHE HOLDING	0.81%
TAIWAN SEMICON.MNFG.	0.80%
HSBC HOLDINGS	0.77%
ALIBABA GROUP HLDG.SPN. ADR 1:1	0.77%
CASH - USD	0.77%
SAMSUNG ELECTRONICS	0.77%
TOYOTA MOTOR	0.68%
Total	8.44%

	Vanguard Total FTS International Stock Index	SE Global All Cap ex US
RETURN SUMMARY STATISTICS	international Stock index	•
Number of Periods	17	17
Maximum Return	5.58	5.39
Minimum Return	-8.32	-8.35
Annualized Return	-5.74	-5.38
Total Return	-8.03	-7.53 -7.53
Annualized Excess Return Over Risk	-0.03	-1.55
Free	-7.40	-7.04
Annualized Excess Return	-0.36	0.00
RISK SUMMARY STATISTICS		
Beta	1.01	1.00
Upside Deviation	5.27	5.02
Downside Deviation	9.17	8.50
RISK/RETURN SUMMARY STATISTIC	S	
Annualized Standard Deviation	11.65	11.49
Alpha	-0.03	0.00
Sharpe Ratio	-0.64	-0.61
Excess Return Over Market / Risk	-0.03	0.00
Tracking Error	1.37	0.00
Information Ratio	-0.26	
CORRELATION STATISTICS		
R-Squared	0.99	1.00
Correlation	0.99	1.00



Vanguard Total International Stock Index



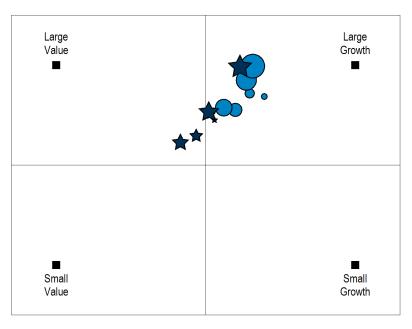
	Return	(Rank)									
5th Percentile	-9.46	-10.1	-10.1	5.21	2.41	-10.1	31.27	6.42	4.89	0.99	
25th Percentile	-11.8	-13.6	-13.6	3.92	0.94	-13.6	27.88	3.24	1.56	-3.48	
Median	-13.1	-15.1	-15.1	2.82	0.32	-15.1	25.59	1.14	-0.88	-5.00	
75th Percentile	-14.3	-17.0	-17.0	1.58	-0.26	-17.0	24.56	-0.76	-3.00	-6.14	
95th Percentile	-16.1	-20.2	-20.2	-0.19	-2.05	-20.2	17.87	-5.11	-9.39	-9.70	
# of Portfolios	194	187	187	174	152	187	193	181	176	169	
 Vanguard Total International Stock Index 	-11.6	(23) -14.3	(41) -14.3	(41)	()	() -14.3	(41)	()	()	()	()
▲ FTSE Global All Cap ex US	-11.7	(24) -14.3	(39) -14.3	(39) 4.75	(9) 1.34	(13) -14.3	(39) 27.77	(26) 5.04	(11) -4.03	(81) -3.12	(23)



Vanguard Total International Stock Index

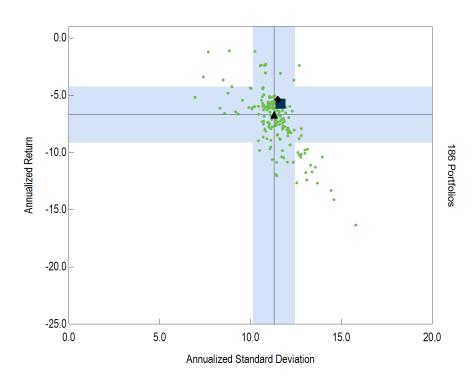
As of December 31, 2018

Non U.S. Effective Style Map vs. EAFE 1 Year 5 Months Ending December 31, 2018



★ FTSE Global All Cap ex US Vanguard Total International Stock Index

Annualized Return vs. Annualized Standard Deviation 1 Year 5 Months Ending December 31, 2018



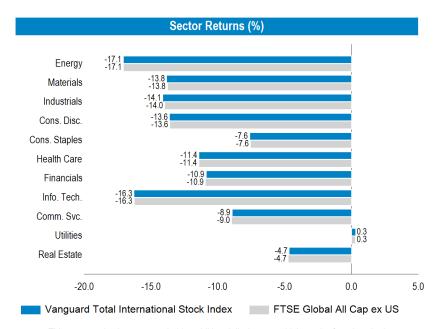
- Vanguard Total International Stock Index
- FTSE Global All Cap ex US
- Universe Median
- 68% Confidence Interval
- Foreign Large Blend MStar MF



Vanguard Total International Stock Index

	Vanguard Total International Stock Index Performance Attribut	ion vs. FTSE Global All Cap ex US	
		Attribution Effects	
	Total	Selection	Allocation
	Effects	Effect	Effect
Energy	0.00%	0.00%	0.00%
Materials	0.00%	0.00%	0.00%
Industrials	-0.01%	-0.02%	0.01%
Consumer Discretionary	0.02%	0.00%	0.02%
Consumer Staples	-0.02%	-0.01%	-0.01%
Health Care	0.00%	0.00%	0.00%
Financials	0.02%	0.01%	0.01%
Information Technology	0.00%	0.00%	0.00%
Communication Services	0.00%	0.00%	0.00%
Utilities	0.00%	0.00%	0.00%
Real Estate	0.00%	0.00%	0.00%
Cash	0.00%	0.00%	0.00%
Portfolio	0.01% =	-0.02% +	0.02%







American New Perspective Fd R6

,	Account Information
Account Name	American New Perspective Fd R6
Account Structure	Mutual Fund
Investment Style	Active
Inception Date	7/31/17
Account Type	Equity
Benchmark	MSCI ACWI
Universe	World Large Stock Mstar MF

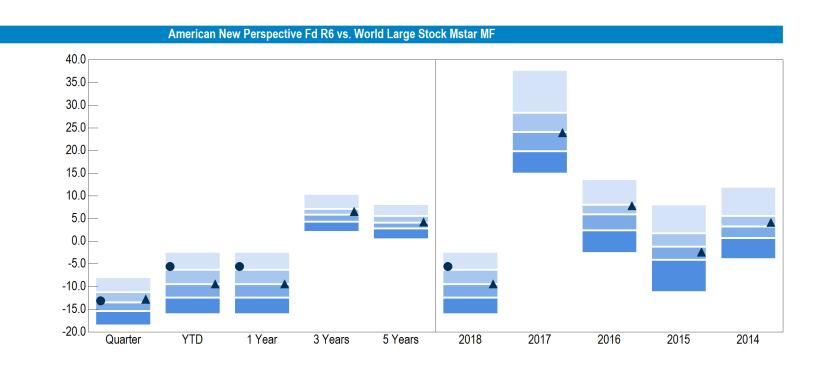
Characteristics		
	Portfolio	MSCI ACWI
Number of Holdings	294	2,758
Weighted Avg. Market Cap. (\$B)	135.01	120.64
Median Market Cap. (\$B)	29.35	8.52
Price To Earnings	24.37	18.55
Price To Book	6.46	3.40
Price To Sales	5.16	3.22
Return on Equity (%)	23.31	18.75
Yield (%)	1.80	2.76
Beta		1.00
R-Squared		1.00

Top Ten Holdings	
CASH - USD	5.24%
AMAZON.COM	4.26%
TAIWAN SEMICON.MNFG.	2.15%
MICROSOFT	2.10%
FACEBOOK CLASS A	2.05%
BROADCOM	1.91%
JP MORGAN CHASE & CO.	1.68%
CME GROUP	1.63%
MASTERCARD	1.53%
TESLA	1.45%
Total	24.00%

Risk/Return Statist	tics Since Inception	
America	n New Perspective Fd R6	MSCI ACWI
RETURN SUMMARY STATISTICS		
Number of Periods	17	17
Maximum Return	7.11	5.64
Minimum Return	-9.08	-7.49
Annualized Return	0.68	-1.42
Total Return	0.96	-2.00
Annualized Excess Return Over Risk Free	-0.99	-3.08
Annualized Excess Return	2.09	0.00
RISK SUMMARY STATISTICS		
Beta	1.00	1.00
Upside Deviation	6.60	5.20
Downside Deviation	12.25	10.47
RISK/RETURN SUMMARY STATISTICS		
Annualized Standard Deviation	12.39	11.86
Alpha	0.18	0.00
Sharpe Ratio	-0.08	-0.26
Excess Return Over Market / Risk	0.17	0.00
Tracking Error	3.61	0.00
Information Ratio	0.58	
CORRELATION STATISTICS		
R-Squared	0.92	1.00
Correlation	0.96	1.00



American New Perspective Fd R6



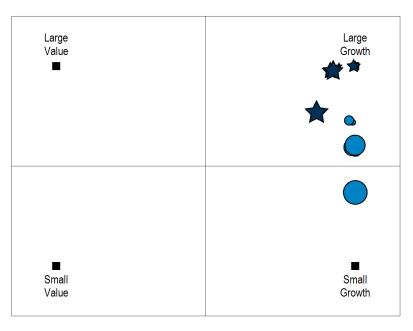
	Return	(Rank)																		
5th Percentile	-7.94		-2.37		-2.37		10.44		8.18		-2.37		37.75		13.71		8.07		11.95	
25th Percentile	-11.1		-6.22		-6.22		7.19		5.60		-6.22		28.40		8.07		1.83		5.60	
Median	-13.4		-9.40		-9.40		5.90		4.15		-9.40		24.11		5.99		-1.15		3.29	
75th Percentile	-15.3		-12.4		-12.4		4.33		2.90		-12.4		19.92		2.42		-4.04		0.72	
95th Percentile	-18.5		-16.0		-16.0		2.09		0.45		-16.0		14.97		-2.56		-11.1		-3.91	
# of Portfolios	244		241		241		206		187		241		226		251		261		242	
American New Perspective Fd R6	-13.1	(49)	-5.56	(21)	-5.56	(21)		()		()	-5.56	(21)		()		()		()		()
MSCI ACWI	-12.7	(46)	-9.42	(51)	-9.42	(51)	6.60	(35)	4.26	(49)	-9.42	(51)	23.97	(51)	7.86	(29)	-2.36	(68)	4.16	(40)



American New Perspective Fd R6

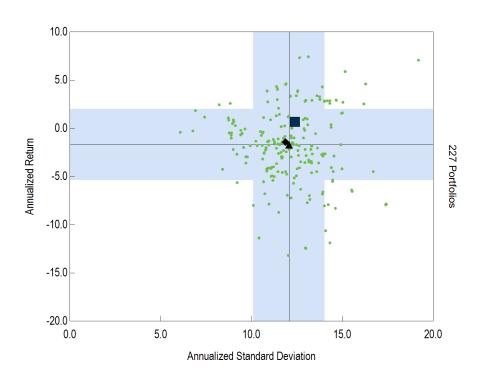
As of December 31, 2018

Non U.S. Effective Style Map vs. EAFE 1 Year 5 Months Ending December 31, 2018



American New Perspective **★** MSCI ACWI Fd R6

Annualized Return vs. Annualized Standard Deviation 1 Year 5 Months Ending December 31, 2018

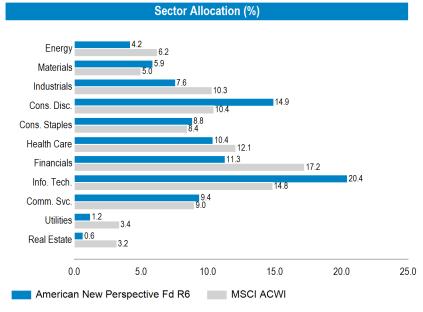


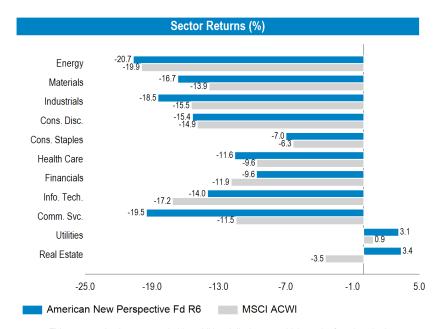
- American New Perspective Fd R6
- MSCI ACWI
- Universe Median
- 68% Confidence Interval
- World Large Stock Mstar MF



American New Perspective Fd R6

	American New Perspective Fd R6 Performance Attri	bution vs. MSCI ACWI							
		Attribution Effects							
	Total	Selection	Allocation						
	Effects	Effect	Effect						
Energy	0.47%	-0.01%	0.48%						
Materials	-0.22%	-0.15%	-0.06%						
Industrials	0.27%	-0.23%	0.50%						
Consumer Discretionary	-0.75%	-0.06%	-0.69%						
Consumer Staples	-0.09%	-0.06%	-0.03%						
Health Care	-0.01%	-0.19%	0.18%						
Financials	1.06%	0.28%	0.78%						
Information Technology	-0.24%	0.66%	-0.90%						
Communication Services	-1.01%	-0.84%	-0.17%						
Utilities	0.01%	0.03%	-0.02%						
Real Estate	0.11%	0.03%	0.08%						
Cash	0.03%	0.00%	0.03%						
Portfolio	-0.37% =	-0.53% +	0.16%						







American New Perspective Fd R6

As of December 31, 2018

Country Allocation							
	Manager Ending Allocation (USD)	Index Ending Allocation (USD)					
Europe							
Austria	0.0%	0.1%					
Belgium	0.1%	0.3%					
Bulgaria**	0.0%	0.0%					
Croatia**	0.0%	0.0%					
Czech Republic*	0.0%	0.0%					
Denmark	1.6%	0.5%					
Estonia**	0.0%	0.0%					
Finland	0.1%	0.3%					
France	5.5%	3.4%					
Germany	1.3%	2.7%					
Greece*	0.0%	0.0%					
Hungary*	0.0%	0.0%					
Ireland	0.5%	0.2%					
Italy	0.4%	0.7%					
Lithuania**	0.0%	0.0%					
Luxembourg	0.0%	0.0%					
Netherlands	2.5%	1.1%					
Norway	0.4%	0.2%					
Poland*	0.0%	0.1%					
Portugal	0.0%	0.0%					
Romania**	0.0%	0.0%					
Russia*	0.2%	0.4%					
Serbia**	0.0%	0.0%					
Slovenia**	0.0%	0.0%					
Spain	1.0%	1.0%					
Sweden	1.0%	0.8%					
Switzerland	2.3%	2.7%					
United Kingdom	4.9%	5.2%					
Total-Europe	21.8%	19.9%					

Country Allocation							
	Versus MSCI ACWI - Quarter Ending Dece	mber 31, 2	.018				
		Manager	Index				
	Ending Alloca	tion (USD)	Ending Allocation (USD)				
Totals							
Developed		85.2%	88.1%				
Emerging*		9.5%	11.9%				
Frontier**		0.0%	0.0%				
Other		0.0%					
Cash		5.3%					

Country Allocation						
	Index Ending Allocation (USD)					
Americas						
Argentina**	0.0%	0.0%				
Brazil*	1.3%	0.9%				
Canada	1.7%	3.0%				
Chile*	0.0%	0.1%				
Colombia*	0.0%	0.0%				
Mexico*	0.5%	0.3%				
Peru*	0.0%	0.1%				
United States	53.3%	54.3%				
Total-Americas	56.9%	58.7%				

	Manager Ending Allocation (USD)	Index Ending Allocation (USD)
AsiaPacific		
Australia	0.2%	2.1%
Bangladesh**	0.0%	0.0%
China*	0.5%	3.6%
Hong Kong	2.8%	1.2%
India*	1.2%	1.1%
Indonesia*	0.0%	0.3%
Japan	5.4%	7.6%
Korea*	1.3%	1.6%
Malaysia*	0.0%	0.3%
New Zealand	0.1%	0.1%
Pakistan*	0.0%	0.0%
Philippines*	0.0%	0.1%
Singapore	0.1%	0.4%
Sri Lanka**	0.0%	0.0%
Taiwan*	2.9%	1.4%
Thailand*	0.0%	0.3%
Vietnam**	0.0%	0.0%
Total-AsiaPacific	14.5%	20.1%

Country Allocation

Country A	Allocation	
	Manager Ending Allocation (USD)	Index Ending Allocation (USD)
Other		
Bahrain**	0.0%	0.0%
Egypt*	0.0%	0.0%
Israel	0.0%	0.2%
Jordan**	0.0%	0.0%
Kazakhstan**	0.0%	0.0%
Kenya**	0.0%	0.0%
Kuwait**	0.0%	0.0%
Lebanon**	0.0%	0.0%
Mauritius**	0.0%	0.0%
Morocco**	0.0%	0.0%
Nigeria**	0.0%	0.0%
Oman**	0.0%	0.0%
Qatar*	0.0%	0.1%
South Africa*	1.5%	0.7%
Tunisia**	0.0%	0.0%
Turkey*	0.0%	0.1%
Ukraine**	0.0%	0.0%
United Arab Emirates*	0.1%	0.1%
Total-Other	1.6%	1.2%



Dodge & Cox Global Equity Fd

	Account Information
Account Name	Dodge & Cox Global Equity Fd
Account Structure	Mutual Fund
Investment Style	Active
Inception Date	7/31/17
Account Type	Equity
Benchmark	MSCI ACWI
Universe	World Large Stock Mstar MF

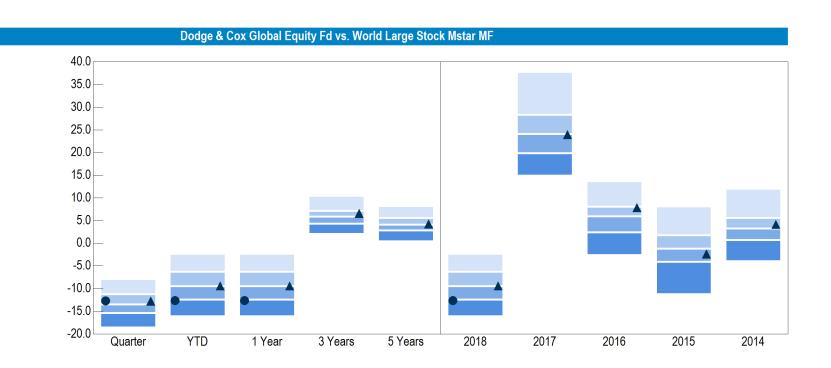
Characteristics		
	Portfolio	MSCI ACWI
Number of Holdings	91	2,758
Weighted Avg. Market Cap. (\$B)	80.68	120.64
Median Market Cap. (\$B)	32.28	8.52
Price To Earnings	17.69	18.55
Price To Book	2.45	3.40
Price To Sales	2.58	3.22
Return on Equity (%)	13.92	18.75
Yield (%)	2.88	2.76
Beta		1.00
R-Squared		1.00

Top Ten Holdings					
COMCAST A	2.77%				
NOVARTIS 'R'	2.63%				
SANOFI	2.48%				
ALPHABET 'C'	2.43%				
CHARTER COMMS.CL.A	2.27%				
CASH - USD	2.26%				
ICICI BANK	2.26%				
ROCHE HOLDING	2.21%				
ITAU UNIBANCO HOLDING PN	2.17%				
UBS GROUP	2.11%				
Total	23.59%				

Risk/Return S	Risk/Return Statistics Since Inception						
	Dodge & Cox Global Equity Fd	MSCI ACWI					
RETURN SUMMARY STATISTICS							
Number of Periods	17	17					
Maximum Return	5.84	5.64					
Minimum Return	-8.69	-7.49					
Annualized Return	-5.27	-1.42					
Total Return	-7.39	-2.00					
Annualized Excess Return Over Risk Free	-6.94	-3.08					
Annualized Excess Return	-3.86	0.00					
RISK SUMMARY STATISTICS							
Beta	1.03	1.00					
Upside Deviation	7.13	5.20					
Downside Deviation	10.27	10.47					
RISK/RETURN SUMMARY STATISTICS							
Annualized Standard Deviation	13.07	11.86					
Alpha	-0.32	0.00					
Sharpe Ratio	-0.53	-0.26					
Excess Return Over Market / Risk	-0.30	0.00					
Tracking Error	4.59	0.00					
Information Ratio	-0.84						
CORRELATION STATISTICS							
R-Squared	0.88	1.00					
Correlation	0.94	1.00					



Dodge & Cox Global Equity Fd



	Return	(Rank)																	
5th Percentile	-7.94		-2.37		-2.37		10.44		8.18		-2.37		37.75		13.71		8.07		11.95	
25th Percentile	-11.1		-6.22		-6.22		7.19		5.60		-6.22		28.40		8.07		1.83		5.60	
Median	-13.4		-9.40		-9.40		5.90		4.15		-9.40		24.11		5.99		-1.15		3.29	
75th Percentile	-15.3		-12.4		-12.4		4.33		2.90		-12.4		19.92		2.42		-4.04		0.72	
95th Percentile	-18.5		-16.0		-16.0		2.09		0.45		-16.0		14.97		-2.56		-11.1		-3.91	
# of Portfolios	244		241		241		206		187		241		226		251		261		242	
Dodge & Cox Global Equity Fd	-12.7	(46)	-12.6	(76)	-12.6	(76)		()		()	-12.6	(76)		()		()		()		()
▲ MSCI ACWI	-12.7	(46)	-9.42	(51)	-9.42	(51)	6.60	(35)	4.26	(49)	-9.42	(51)	23.97	(51)	7.86	(29)	-2.36	(68)	4.16	(40)



Dodge & Cox Global Equity Fd

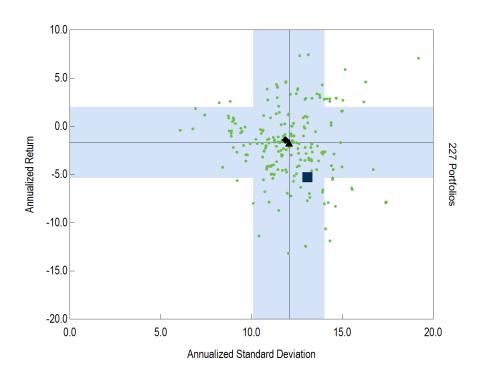
As of December 31, 2018

Non U.S. Effective Style Map vs. EAFE 1 Year 5 Months Ending December 31, 2018



Dodge & Cox Global Equity ★ MSCI ACWI

Annualized Return vs. Annualized Standard Deviation 1 Year 5 Months Ending December 31, 2018

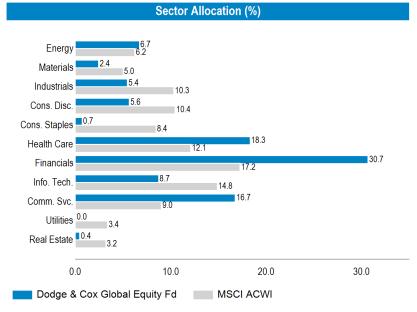


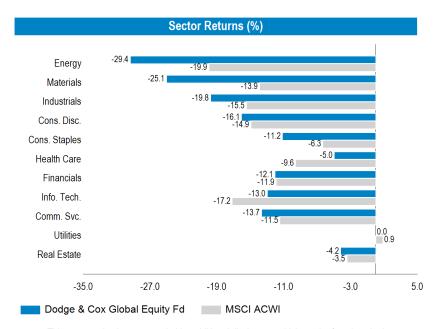
- Dodge & Cox Global Equity Fd
- MSCI ACWI
- Universe Median
- 68% Confidence Interval
- World Large Stock Mstar MF



Dodge & Cox Global Equity Fd

	Dodge & Cox Global Equity Fd Performance Attrib	ution vs. MSCI ACWI							
		Attribution Effects							
	Total	Selection	Allocation						
	Effects	Effect	Effect						
Energy	-0.69%	-0.65%	-0.04%						
Materials	0.07%	-0.25%	0.32%						
Industrials	0.44%	-0.27%	0.70%						
Consumer Discretionary	0.58%	-0.08%	0.66%						
Consumer Staples	0.41%	-0.01%	0.42%						
Health Care	0.15%	0.89%	-0.74%						
Financials	-1.41%	-0.11%	-1.31%						
Information Technology	1.47%	0.40%	1.07%						
Communication Services	-1.49%	-0.42%	-1.07%						
Utilities	-0.02%	0.01%	-0.04%						
Real Estate	0.08%	0.00%	0.08%						
Cash	0.00%	0.00%	0.00%						
Portfolio	-0.42% =	-0.49% +	0.07%						







Dodge & Cox Global Equity Fd

As of December 31, 2018

Country Allocation					
	Manager Ending	Index Ending			
	Allocation (USD)	Allocation (USD)			
Europe					
Austria	0.0%	0.1%			
Belgium	0.0%	0.3%			
Bulgaria**	0.0%	0.0%			
Croatia**	0.0%	0.0%			
Czech Republic*	0.0%	0.0%			
Denmark	0.0%	0.5%			
Estonia**	0.0%	0.0%			
Finland	0.0%	0.3%			
France	6.3%	3.4%			
Germany	2.0%	2.7%			
Greece*	0.0%	0.0%			
Hungary*	0.0%	0.0%			
Ireland	0.0%	0.2%			
Italy	1.9%	0.7%			
Lithuania**	0.0%	0.0%			
Luxembourg	0.7%	0.0%			
Netherlands	0.8%	1.1%			
Norway	0.0%	0.2%			
Poland*	0.0%	0.1%			
Portugal	0.0%	0.0%			
Romania**	0.0%	0.0%			
Russia*	0.7%	0.4%			
Serbia**	0.0%	0.0%			
Slovenia**	0.0%	0.0%			
Spain	1.5%	1.0%			
Sweden	0.0%	0.8%			
Switzerland	8.9%	2.7%			
United Kingdom	8.5%	5.2%			
Total-Europe	31.8%	19.9%			

Country Allocation Versus MSCI ACWI - Quarter Ending December 31, 2018							
	Manager Ind						
	Ending Allocation (USD) Ending Allocation (USD)						
Totals							
Developed		81.6%	88.1%				
Emerging*		16.1%	11.9%				
Frontier**		0.0%	0.0%				
Other		0.0%					
Cash		2.3%					

Country Allocation						
	Manager Ending E Allocation Alloc (USD) (
Americas						
Argentina**	0.0%	0.0%				
Brazil*	3.0%	0.9%				
Canada	1.1%	3.0%				
Chile*	0.0%	0.1%				
Colombia*	0.0%	0.0%				
Mexico*	1.9%	0.3%				
Peru*	0.0%	0.1%				
United States	45.8%	54.3%				
Total-Americas	52.5%	58.7%				

	Manager Ending Allocation (USD)	Index Ending Allocation (USD)
AsiaPacific		
Australia	0.0%	2.1%
Bangladesh**	0.0%	0.0%
China*	2.4%	3.6%
Hong Kong	0.5%	1.2%
India*	3.3%	1.1%
Indonesia*	0.0%	0.3%
Japan	2.5%	7.6%
Korea*	1.7%	1.6%
Malaysia*	0.0%	0.3%
New Zealand	0.0%	0.1%
Pakistan*	0.0%	0.0%
Philippines*	0.0%	0.1%
Singapore	0.0%	0.4%
Sri Lanka**	0.0%	0.0%
Taiwan*	0.0%	1.4%
Thailand*	0.6%	0.3%
Vietnam**	0.0%	0.0%
Total-AsiaPacific	11.2%	20.1%

Country Allocation

Country Allocation						
	Manager Ending	Index Ending				
	Allocation	Allocation				
	(USD)	(USD)				
Other						
Bahrain**	0.0%	0.0%				
Egypt*	0.0%	0.0%				
srael	0.0%	0.2%				
lordan**	0.0%	0.0%				
Kazakhstan**	0.0%	0.0%				
Kenya**	0.0%	0.0%				
Kuwait**	0.0%	0.0%				
_ebanon**	0.0%	0.0%				
Mauritius**	0.0%	0.0%				
Morocco**	0.0%	0.0%				
Nigeria**	0.0%	0.0%				
Oman**	0.0%	0.0%				
Qatar*	0.0%	0.1%				
South Africa*	2.2%	0.7%				
Γunisia**	0.0%	0.0%				
Turkey*	0.0%	0.1%				
Jkraine**	0.0%	0.0%				
Jnited Arab Emirates*	0.0%	0.1%				
Total-Other	2.3%	1.2%				



FIAM SMID Cap Core

Account Information					
Account Name	FIAM SMID Cap Core				
Account Structure	Commingled Fund				
Investment Style	Active				
Inception Date	4/01/13				
Account Type	Equity				
Benchmark	Russell 2500				
Universe	SMID Blend MStar MF				

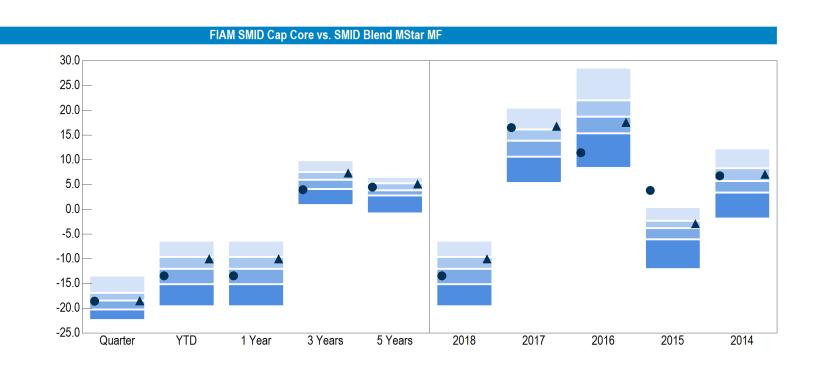
Characteristics							
	Portfolio	Russell 2500					
Number of Holdings	113	2,513					
Weighted Avg. Market Cap. (\$B)	5.71	4.43					
Median Market Cap. (\$B)	4.32	0.99					
Price To Earnings	17.40	17.42					
Price To Book	4.16	2.95					
Price To Sales	4.35	3.39					
Return on Equity (%)	10.60	12.11					
Yield (%)	1.40	1.61					
Beta	0.96	1.00					
R-Squared	0.94	1.00					

Top Ten Holdings	
MARVELL TECH.GROUP	2.41%
HEICO NEW 'A'	1.88%
IDEX	1.79%
MONOLITHIC PWR.SYS.	1.75%
CROWN HDG.	1.73%
PAYCOM SOFTWARE	1.68%
DELEK US HOLDINGS	1.67%
BROWN & BROWN	1.65%
TOTAL SYSTEM SERVICES	1.63%
ESSENT GROUP	1.60%
Total	17.79%

3 Year Ris	sk/Return Statistics	
	FIAM SMID Cap Core	Russell 2500
RETURN SUMMARY STATISTICS		
Number of Periods	36	36
Maximum Return	8.34	8.51
Minimum Return	-11.21	-10.96
Annualized Return	3.96	7.32
Total Return	12.36	23.62
Annualized Excess Return Over Risk Free	2.92	6.29
Annualized Excess Return	-3.36	0.00
RISK SUMMARY STATISTICS		
Beta	0.95	1.00
Upside Deviation	6.67	7.76
Downside Deviation	14.43	14.50
RISK/RETURN SUMMARY STATISTICS		
Annualized Standard Deviation	14.08	14.30
Alpha	-0.24	0.00
Sharpe Ratio	0.21	0.44
Excess Return Over Market / Risk	-0.24	0.00
Tracking Error	3.49	0.00
Information Ratio	-0.96	
CORRELATION STATISTICS		
R-Squared	0.94	1.00
Correlation	0.97	1.00



FIAM SMID Cap Core



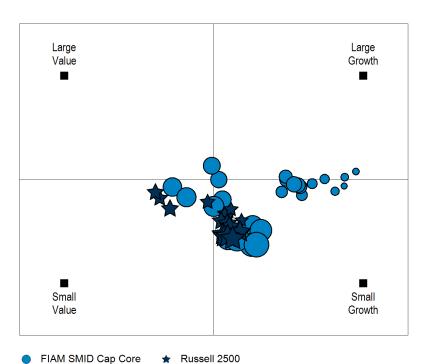
	Return (R	ank)								
5th Percentile	-13.4	-6.39	-6.39	9.90	6.49	-6.39	20.50	28.57	0.45	12.28
25th Percentile	-16.8	-9.62	-9.62	7.54	5.28	-9.62	16.16	22.06	-2.31	8.31
Median	-18.4	-11.9	-11.9	5.99	3.88	-11.9	13.88	18.76	-3.78	5.75
75th Percentile	-20.2	-15.1	-15.1	4.11	2.80	-15.1	10.69	15.36	-6.07	3.42
95th Percentile	-22.3	-19.5	-19.5	0.87	-0.78	-19.5	5.36	8.40	-12.0	-1.83
# of Portfolios	341	340	340	320	291	340	330	324	302	280
■ FIAM SMID Cap Core	-18.5 (5	54) -13.4 (6	5) -13.4 (6	(55) (3.96) (78)	3) 4.49 (39	9) -13.4 (65) 16.50 (23)) 11.43 (89)	3.81 (′	1) 6.77 (40)
Russell 2500	-18.4 (5	52) -10.0 (2	8) -10.0 (2	28) 7.32 (31	5.15 (29	9) -10.0 (28) 16.81 (23) 17.59 (58)	-2.90 (35	5) 7.07 (37)



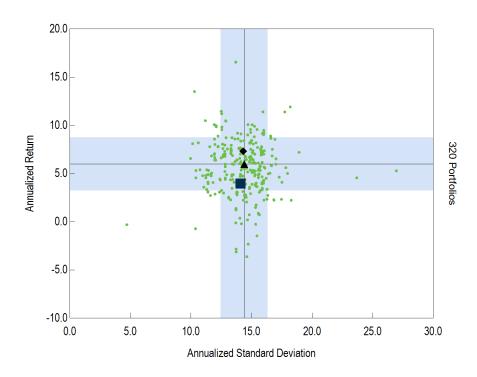
FIAM SMID Cap Core

As of December 31, 2018

U.S. Effective Style Map 3 Years Ending December 31, 2018



Annualized Return vs. Annualized Standard Deviation 3 Years Ending December 31, 2018

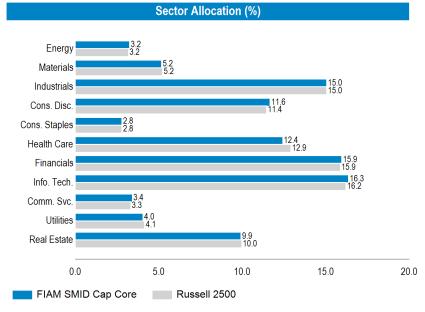


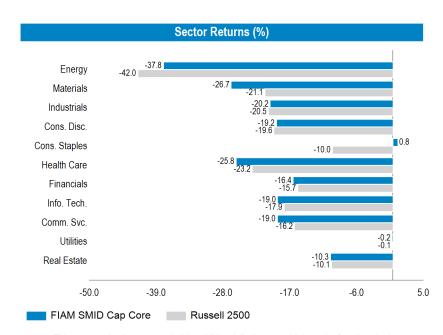
- FIAM SMID Cap Core
- Russell 2500
- Universe Median
- 68% Confidence Interval
- SMID Blend MStar MF



FIAM SMID Cap Core

	FIAM SMID Cap Core Performance Attribution v	s. Russell 2500						
		Attribution Effects						
	Total	Selection	Allocation					
	Effects	Effect	Effect					
Energy	0.19%	0.19%	0.00%					
Materials	-0.29%	-0.30%	0.01%					
Industrials	-0.04%	0.05%	-0.09%					
Consumer Discretionary	-0.01%	0.05%	-0.05%					
Consumer Staples	0.27%	0.29%	-0.02%					
Health Care	-0.12%	-0.33%	0.22%					
Financials	-0.08%	-0.12%	0.04%					
Information Technology	-0.42%	-0.18%	-0.24%					
Communication Services	0.18%	-0.05%	0.23%					
Utilities	0.00%	0.00%	0.00%					
Real Estate	-0.04%	-0.02%	-0.02%					
Cash	0.00%	0.00%	0.00%					
Portfolio	-0.36% =	-0.43% +	0.08%					







Private Equity

As of December 31, 2018

Ending December 31, 2018

	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Private Equity	12,447,042	100.0	0.0	10.2	10.2	12.1	11.1	12.4	6.0	Oct-05
Russell 3000			-14.3	-5.2	-5.2	9.0	7.9	13.2	7.7	Oct-05
Mesirow Private Equity III	822,193	6.6	0.0	2.4	2.4	2.3	6.4	10.5	3.0	Sep-05
Mesirow Private Equity IV	2,148,443	17.3	0.0	7.3	7.3	10.4	10.7	11.1	4.6	Mar-07
Adams Street 2012 Global Fund	3,576,090	28.7	0.0	14.0	14.0	12.1	10.9		0.7	Feb-12
NGP Natural Resources XI	2,113,859	17.0	0.0	10.9	10.9	22.7			9.1	Nov-14
RCP Fund XI	1,475,995	11.9	0.0	-11.9	-11.9					Dec-16
Strategic Value Special Situations III	2,310,462	18.6	0.0	16.1	16.1	26.0			11.3	Oct-14



Private Equity

				N	on-Marketabl As of De	le Securities ecember 31, 20							
Account Type	Account	Vintage Year	Commitment	Cumulative Takedown	Cumulative Distributions	Value (RV)	Total Value (RV + Dist)	Unfunded Commitment	DPI (dist / takedowns)	RVPI (RV / takedowns)	TVPI (TV / takedown)	Takedown (takedowns / commit)	IRR
Private Equity	Mesirow Private Equity III	2005	\$4,000,000	\$3,840,000	\$5,601,787	\$822,193	\$6,423,980	\$160,000	145.88%	21.41%	167.29%	96.00%	8.22
	Mesirow Private Equity IV	2006	\$4,500,000	\$4,275,000	\$5,127,475	\$2,148,443	\$7,275,918	\$225,000	119.94%	50.26%	170.20%	95.00%	10.06
	Adams Street 2012 Global Fund	2012	\$4,000,000	\$3,173,600	\$885,876	\$3,576,090	\$4,461,966	\$826,400	27.91%	112.68%	140.60%	79.34%	10.68
	NGP Natural Resources XI	2014	\$2,000,000	\$1,723,669	\$259,346	\$2,113,859	\$2,373,205	\$276,331	15.05%	122.64%	137.68%	86.18%	19.44
	RCP Fund XI	2016	\$6,000,000	\$1,740,000	\$0	\$1,475,995	\$1,475,995	\$4,260,000	0.00%	84.83%	84.83%	29.00%	-22.60
	Strategic Value Special Situations III	2013	\$2,000,000	\$1,820,000	\$635,115	\$2,310,462	\$2,945,577	\$180,000	34.90%	126.95%	161.84%	91.00%	15.31
	Total Account		\$22,500,000	\$16,572,269	\$12,509,599	\$12,447,042	\$24,956,641	\$5,927,731	75.49%	75.11%	150.59%	73.65%	9.62



Fixed Rate Debt

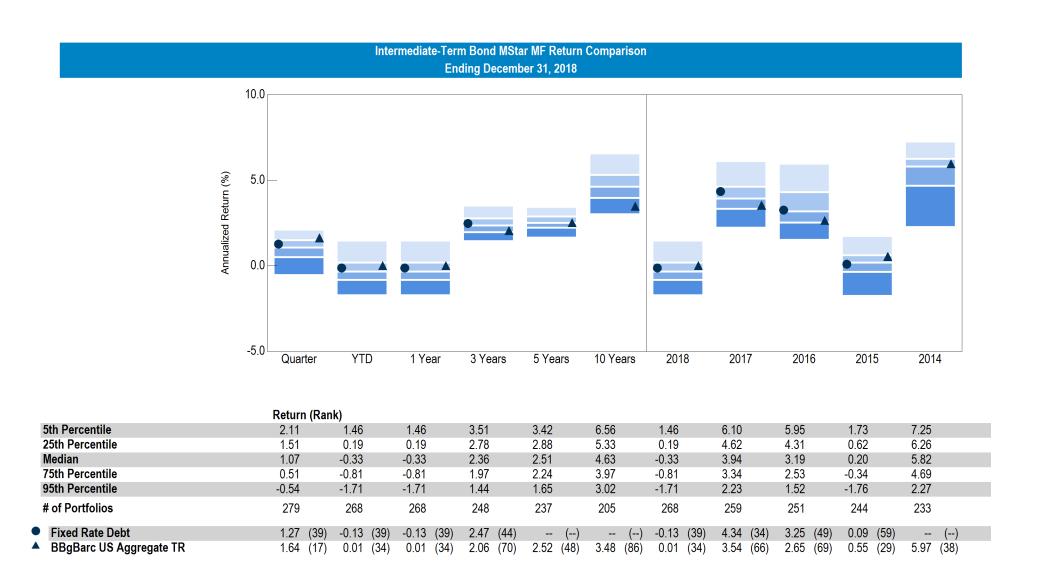
As of December 31, 2018

Ending December 31, 2018

	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Fixed Rate Debt	29,677,270	100.0	1.3	-0.1	-0.1	2.5	-		2.0	Jul-14
BBgBarc US Aggregate TR			1.6	0.0	0.0	2.1	2.5	3.5	1.9	Jul-14
Intermediate-Term Bond MStar MF Rank			39	39	39	44			42	Jul-14
Intermediate-Term Bond MStar MF Median			1.1	-0.3	-0.3	2.4	2.5	4.6	1.9	Jul-14
Segall Bryant & Hamill	16,211,146	54.6	1.1	-0.3	-0.3	2.8	2.9	3.9	6.0	Dec-89
BBgBarc US Govt/Credit TR			1.5	-0.4	-0.4	2.2	2.5	3.5	5.8	Dec-89
Intermediate-Term Bond MStar MF Rank			51	50	50	22	25	77	26	Dec-89
Intermediate-Term Bond MStar MF Median			1.1	-0.3	-0.3	2.4	2.5	4.6	5.7	Dec-89
Metropolitan West Total Return	13,466,124	45.4	1.5	0.2	0.2				0.4	Sep-16
BBgBarc US Aggregate TR			1.6	0.0	0.0	2.1	2.5	3.5	0.2	Sep-16
Intermediate-Term Bond MStar MF Rank			24	26	26				60	Sep-16
Intermediate-Term Bond MStar MF Median			1.1	-0.3	-0.3	2.4	2.5	4.6	0.4	Sep-16



Fixed Rate Debt





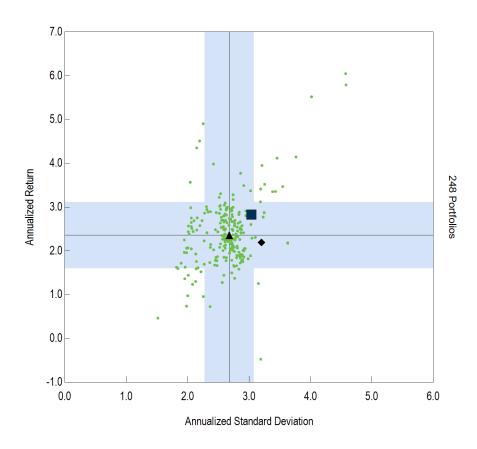
Segall Bryant & Hamill

As of December 31, 2018

	Account Information
Account Name	Segall Bryant & Hamill
Account Structure	Separate Account
Investment Style	Active
Inception Date	12/31/89
Account Type	Fixed
Benchmark	BBgBarc US Govt/Credit TR
Universe	Intermediate-Term Bond MStar MF

3 Year Risl	k/Return Statistics	
	Segall Bryant & Hamill	BBgBarc US Govt/Credit TR
RETURN SUMMARY STATISTICS		
Number of Periods	36	36
Maximum Return	2.15	2.20
Minimum Return	-2.67	-2.65
Annualized Return	2.83	2.19
Total Return	8.73	6.72
Annualized Excess Return Over Risk Free	1.79	1.15
Annualized Excess Return	0.64	0.00
RISK SUMMARY STATISTICS		
Beta	0.94	1.00
Upside Deviation	1.73	1.89
Downside Deviation	2.51	2.40
RISK/RETURN SUMMARY STATISTICS		
Annualized Standard Deviation	3.04	3.20
Alpha	0.06	0.00
Sharpe Ratio	0.59	0.36
Excess Return Over Market / Risk	0.21	0.00
Tracking Error	0.46	0.00
Information Ratio	1.39	-
CORRELATION STATISTICS		
R-Squared	0.98	1.00
Correlation	0.99	1.00

Annualized Return vs. Annualized Standard Deviation 3 Years Ending December 31, 2018



- Segall Bryant & Hamill
- BBgBarc US Govt/Credit TR
- Universe Median
- 68% Confidence Interval
- Intermediate-Term Bond MStar MF



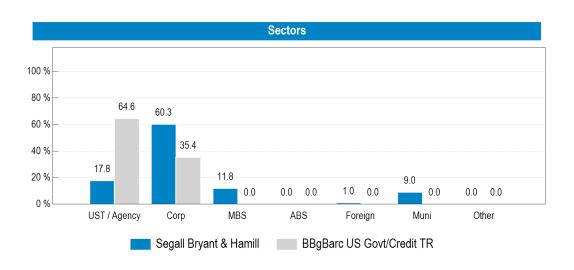
Segall Bryant & Hamill

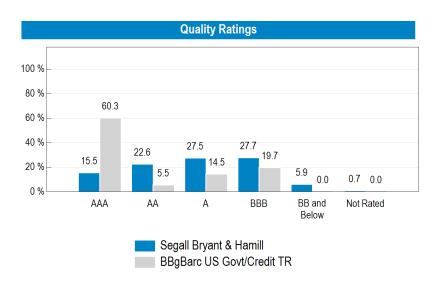


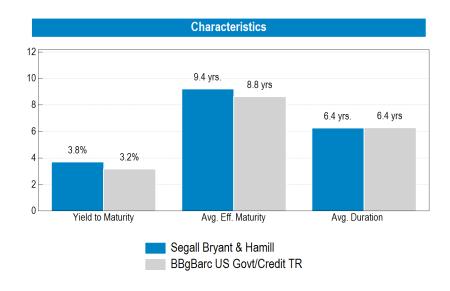
	Return (Ran	k)								
5th Percentile	2.11	1.46	1.46	3.51	3.42	1.46	6.10	5.95	1.73	7.25
25th Percentile	1.51	0.19	0.19	2.78	2.88	0.19	4.62	4.31	0.62	6.26
Median	1.07	-0.33	-0.33	2.36	2.51	-0.33	3.94	3.19	0.20	5.82
75th Percentile	0.51	-0.81	-0.81	1.97	2.24	-0.81	3.34	2.53	-0.34	4.69
95th Percentile	-0.54	-1.71	-1.71	1.44	1.65	-1.71	2.23	1.52	-1.76	2.27
# of Portfolios	279	268	268	248	237	268	259	251	244	233
Segall Bryant & Hamill	1.05 (51)	-0.32 (50)	-0.32 (50)	2.83 (22)	2.90 (25)	-0.32 (50)	5.18 (12)	3.71 (40)	-0.14 (66)	6.27 (25)
BBgBarc US Govt/Credit TR	1.46 (28)	-0.42 (56)	-0.42 (56)	2.19 (62)	2.53 (48)	-0.42 (56)	4.00 (48)	3.05 (54)	0.15 (55)	6.01 (35)



Segall Bryant & Hamill









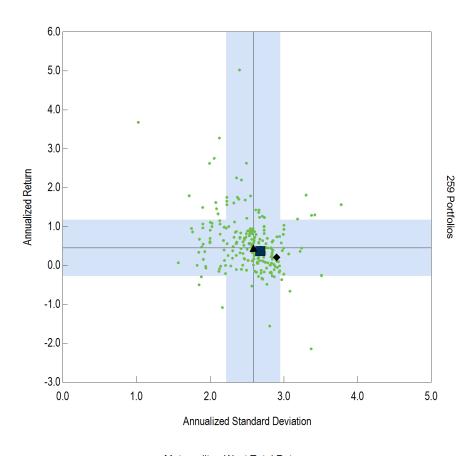
Metropolitan West Total Return

As of December 31, 2018

, and the second se	Account Information
Account Name	Metropolitan West Total Return
Account Structure	Mutual Fund
Investment Style	Active
Inception Date	9/30/16
Account Type	Fixed
Benchmark	BBgBarc US Aggregate TR
Universe	Intermediate-Term Bond MStar MF

Risk/Ret	turn Statistics Since Inception	
	Metropolitan West Total Return	BBgBarc US Aggregate TR
RETURN SUMMARY STATISTICS		
Number of Periods	27	27
Maximum Return	1.73	1.84
Minimum Return	-2.06	-2.37
Annualized Return	0.37	0.21
Total Return	0.83	0.47
Annualized Excess Return Over Risk Free	-0.93	-1.09
Annualized Excess Return	0.16	0.00
RISK SUMMARY STATISTICS		
Beta	0.92	1.00
Upside Deviation	1.51	1.53
Downside Deviation	1.96	2.23
RISK/RETURN SUMMARY STATISTICS		
Annualized Standard Deviation	2.68	2.90
Alpha	0.01	0.00
Sharpe Ratio	-0.35	-0.37
Excess Return Over Market / Risk	0.06	0.00
Tracking Error	0.31	0.00
Information Ratio	0.51	
CORRELATION STATISTICS		
R-Squared	0.99	1.00
Correlation	1.00	1.00

Annualized Return vs. Annualized Standard Deviation 2 Years 3 Months Ending December 31, 2018



- Metropolitan West Total Return
- BBgBarc US Aggregate TR
- Universe Median
- 68% Confidence Interval
- Intermediate-Term Bond MStar MF



Metropolitan West Total Return



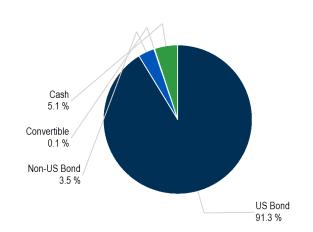
	Return (R	ank)								
5th Percentile	2.11	1.46	1.46	3.51	3.42	1.46	6.10	5.95	1.73	7.25
25th Percentile	1.51	0.19	0.19	2.78	2.88	0.19	4.62	4.31	0.62	6.26
Median	1.07	-0.33	-0.33	2.36	2.51	-0.33	3.94	3.19	0.20	5.82
75th Percentile	0.51	-0.81	-0.81	1.97	2.24	-0.81	3.34	2.53	-0.34	4.69
95th Percentile	-0.54	-1.71	-1.71	1.44	1.65	-1.71	2.23	1.52	-1.76	2.27
# of Portfolios	279	268	268	248	237	268	259	251	244	233
Metropolitan West Total Return	1.53 (2	24) 0.16 (26	0.16 (26)	()	() 0.16 (26)	3.40 (71)	()	()	()
▲ BBgBarc US Aggregate TR	1.64 (1	7) 0.01 (34	0.01 (34)	2.06 (70)	2.52 (48)) 0.01 (34)	3.54 (66)	2.65 (69)	0.55 (29)	5.97 (38)



Metropolitan West Total Return

As of December 31, 2018

Mutual Fund Allocation as of December 31, 2018



Fund Information as of I	December 31, 2018
Fund Name	METROPOLITAN WEST TOTAL RETURN BD I
Ticker	MWTIX
Morningstar Category	Intermediate-Term Bond
Benchmark	BBgBarc US Aggregate TR
Expense Ratio	0.45%
Fund Assets (\$mm)	39,436.84
Share Class Inception Date	3/31/2000
Manager Tenure	22

Top Holdings as of December 31, 2018	
UNITED STATES TREASURY BONDS 3.38%	5.79%
UNITED STATES TREASURY NOTES 3.12%	2.23%
UNITED STATES TREASURY NOTES 2.88%	1.76%
FEDERAL HOME LOAN MORTGAGE CORPORATION 3.5%	1.11%
FEDERAL HOME LOAN MORTGAGE CORPORATION 3.5%	0.97%
FEDERAL HOME LOAN MORTGAGE CORPORATION 3.5%	0.94%
FEDERAL HOME LOAN MORTGAGE CORPORATION 3.5%	0.84%
FEDERAL HOME LOAN MORTGAGE CORPORATION 4.5%	0.82%
UNITED STATES TREASURY NOTES 0.75%	0.79%
FEDERAL HOME LOAN MORTGAGE CORPORATION	0.76%
Credit Quality as of December 31, 2018	
AAA	55.66%
AA	5.50%
A	14.75%
BBB	17.94%
BB	2.17%
В	0.72%
Below B	3.24%
Not Rated	0.01%

Fund Characteristics as of December 31, 2018	
Sharpe Ratio (3 Year)	
Average Duration	6.05
Average Coupon	3.62%
Average Effective Maturity	7.52
R-Squared (3 Year)	
Alpha (3 Year)	
Beta (3 Year)	

Fixed Income Sectors as of December 31, 201	8
GOVERNMENT	14.05%
MUNICIPAL	0.80%
CORPORATE	33.58%
SECURITIZED	46.50%
CASH & EQUIVALENTS	3.12%
DERIVATIVE	1.94%

Maturities as of December 31, 2018	
1 to 3 Years	11.07%
3 to 5 Years	7.59%
5 to 7 Years	7.28%
7 to 10 Years	13.22%
10 to 15 Years	3.50%
15 to 20 Years	8.22%
20 to 30 Years	42.97%
Greater than 30 Years	2.31%

Floating Rate Debt

As of December 31, 2018

Ending December 31, 2018

	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Floating Rate Debt	28,492,718	100.0	-2.2	3.3	3.3	6.0			4.8	Jul-14
Credit Suisse Leveraged Loans			-3.1	1.1	1.1	5.0	3.3	8.3	3.1	Jul-14
Barings Global Floating Rate Fund	18,264,423	64.1	-3.4		-				-3.4	Sep-18
Credit Suisse Leveraged Loans			-3.1	1.1	1.1	5.0	3.3	8.3	-3.1	Sep-18
Bank Loan MStar MF Rank			47						47	Sep-18
Bank Loan MStar MF Median			-3.4	0.0	0.0	4.3	2.7	7.6	-3.4	Sep-18
Golub Capital Partners 11	2,800,000	9.8	0.0	9.2	9.2				9.4	Jul-17
Credit Suisse Leveraged Loans			-3.1	1.1	1.1	5.0	3.3	8.3	2.3	Jul-17
Principal Real Estate Debt Fund	1,609,878	5.7	2.0	8.2	8.2	8.2			8.6	May-14
Credit Suisse Leveraged Loans			-3.1	1.1	1.1	5.0	3.3	8.3	3.2	May-14
Principal Real Estate Debt Fund II	5,965,496	20.9	1.6	8.8	8.8				12.5	Aug-17
Credit Suisse Leveraged Loans			-3.1	1.1	1.1	5.0	3.3	8.3	1.8	Aug-17



Floating Rate Debt

	Non-Marketable Securities Overview As of December 31, 2018												
Account Type	Account	Vintage Year	Commitment	Cumulative Takedown	Cumulative Distributions	Value (RV)	Total Value (RV + Dist)	Unfunded Commitment	DPI (dist / takedowns)	RVPI (RV / takedowns)	TVPI (TV / takedown)	Takedown (takedowns / commit)	IRR
Other	Golub Capital Partners 11		\$8,000,000	\$2,800,000	\$328,047	\$2,800,000	\$3,128,047	\$5,200,000	11.72%	100.00%	111.72%	35.00%	9.39
	Principal Real Estate Debt Fund		\$10,500,000	\$8,090,646	\$8,407,555	\$1,609,878	\$10,017,433	\$2,409,354	103.92%	19.90%	123.82%	77.05%	8.54
	Principal Real Estate Debt Fund II	2017	\$12,000,000	\$7,110,276	\$1,599,067	\$5,965,496	\$7,564,563	\$4,889,724	22.49%	83.90%	106.39%	59.25%	10.95
	Total Account		\$30,500,000	\$18,000,922	\$10,334,669	\$10,375,374	\$20,710,043	\$12,499,078	57.41%	57.64%	115.05%	59.02%	8.92



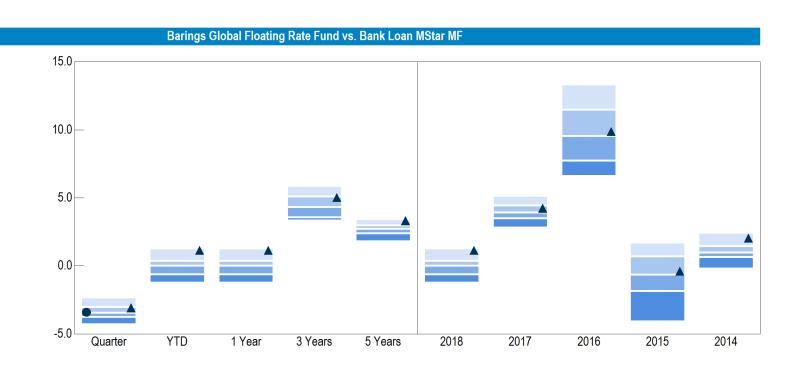
Barings Global Floating Rate Fund

	Account Information
Account Name	Barings Global Floating Rate Fund
Account Structure	Mutual Fund
Investment Style	Active
Inception Date	9/30/18
Account Type	Other
Benchmark	Credit Suisse Leveraged Loans
Universe	Bank Loan MStar MF

Risk/Retu	rn Statistics Since Inception	
	Barings Global Floating Rate Fund	Credit Suisse Leveraged Loans
RETURN SUMMARY STATISTICS		
Number of Periods	3	3
Maximum Return	-0.25	0.01
Minimum Return	-2.04	-2.29
Annualized Return	-3.40	-3.08
Total Return	-3.40	-3.08
Annualized Excess Return Over Risk Free	-3.95	-3.63
Annualized Excess Return	-0.32	0.00
RISK SUMMARY STATISTICS		
Beta	0.76	1.00
Upside Deviation		
Downside Deviation	3.11	3.61
RISK/RETURN SUMMARY STATISTICS		
Annualized Standard Deviation	3.11	4.03
Alpha	-0.36	0.00
Sharpe Ratio	-1.27	-0.90
Excess Return Over Market / Risk	-0.10	0.00
Tracking Error	1.09	0.00
Information Ratio	-0.30	-
CORRELATION STATISTICS		
R-Squared	0.97	1.00
Correlation	0.99	1.00



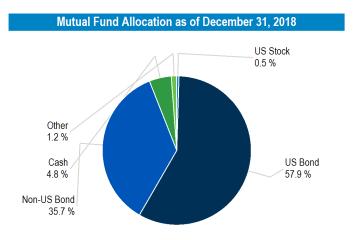
Barings Global Floating Rate Fund



	Return (R	ank)									
5th Percentile	-2.33	1.29	1.29	5.87	3.42	1.29	5.13	13.33	1.71	2.43	
25th Percentile	-3.00	0.39	0.39	5.12	3.00	0.39	4.45	11.50	0.71	1.48	
Median	-3.43	0.04	0.04	4.35	2.74	0.04	3.95	9.56	-0.63	1.00	
75th Percentile	-3.73	-0.59	-0.59	3.59	2.41	-0.59	3.53	7.75	-1.83	0.67	
95th Percentile	-4.27	-1.21	-1.21	3.36	1.82	-1.21	2.84	6.63	-4.06	-0.18	
# of Portfolios	68	65	65	61	59	65	62	62	61	54	
 Barings Global Floating Rate Fund 	-3.40 (4	17)	()	()	()	()	()	()	()	()	()
Credit Suisse Leveraged Loans	-3.08 (3	31) 1.14	(9) 1.14	(9) 5.03	(30) 3.33	(6) 1.14	(9) 4.25	(35) 9.88	(50) -0.38	(45) 2.06	(11)



Barings Global Floating Rate Fund



Fund Information as	of December 31, 2018
Fund Name	BARINGS GLOBAL FLOATING RATE I
Ticker	BXFIX
Morningstar Category	Bank Loan
Benchmark	Credit Suisse Leveraged Loans
Expense Ratio	0.75%
Fund Assets (\$mm)	33.79
Share Class Inception Date	9/16/2013
Manager Tenure	5

Top Holdings as of December 31, 2018	
VERISURE (FKA SECURITAS DIRECT) EUR TLB1-E (MAY-17)	1.05%
INTERNET BRANDS, INC 1ST LIEN TL	1.00%
OMNITRACS, LLC TL B	0.99%
SPRINT NEXTEL CORPORATION TL B	0.98%
FLINT GROUP USD 1ST LIEN TERM LOAN B-2 (MAY-14)	0.95%
ALLIANT TL B (APR'18) (ADD-ON & AMEND EXTEND)	0.92%
RED VENTURES 1ST LIEN TL (REPRICE)	0.88%
INSPIRE BRANDS (FKA ARBY'S) FIRST LIEN TL	0.86%
24 HOUR FITNESS TL B	0.85%
SEAWORLD ENTERTAINMENT (FKA BUSCH ENTERTAINMENT) TL B5	0.85%

Fund Characteristics as of December 31, 2018	
Sharpe Ratio (3 Year)	
Average Duration	0.41
Average Coupon	5.73%
Average Effective Maturity	4.90
R-Squared (3 Year)	
Alpha (3 Year)	
Beta (3 Year)	

Fixed Income Sectors as of December 31, 2018	
GOVERNMENT	0.04%
MUNICIPAL	0.00%
CORPORATE	95.07%
SECURITIZED	0.00%
CASH & EQUIVALENTS	4.88%
DERIVATIVE	0.00%

Maturities as of December 31, 2018	
1 to 3 Years	12.18%
3 to 5 Years	29.66%
5 to 7 Years	55.32%
7 to 10 Years	2.25%
10 to 15 Years	0.00%
15 to 20 Years	0.00%
20 to 30 Years	0.00%
Greater than 30 Years	0.00%

	Credit Quality as of December 31, 2018	
AAA		0.00%
AA		0.00%
Α		0.00%
BBB		0.35%
ВВ		14.74%
В		70.13%
Below B		5.57%
Not Rate	ed	9.21%



Golub Capital Partners 11

Account Information			
Account Name	Golub Capital Partners 11		
Account Structure	Other		
Investment Style	Active		
Inception Date	7/01/17		
Account Type	Other		
Benchmark	Credit Suisse Leveraged Loans		
Universe			

	Golub Capital Partners 11	Credit Suisse Leveraged Loans
RETURN SUMMARY STATISTICS		
Number of Periods	18	18
Maximum Return	3.79	1.08
Minimum Return	0.00	-2.29
Annualized Return	9.40	2.26
Total Return	14.43	3.41
Annualized Excess Return Over Risk Free	7.77	0.63
Annualized Excess Return	7.14	0.00
RISK SUMMARY STATISTICS		
Beta	0.32	1.00
Upside Deviation	2.41	1.07
Downside Deviation		3.81
RISK/RETURN SUMMARY STATISTICS		
Annualized Standard Deviation	4.52	2.60
Alpha	0.70	0.00
Sharpe Ratio	1.72	0.24
Excess Return Over Market / Risk	1.58	0.00
Tracking Error	4.78	0.00
Information Ratio	1.49	
CORRELATION STATISTICS		
R-Squared	0.03	1.00
Correlation	0.18	1.00



Principal Real Estate Debt Fund

	Account Information
Account Name	Principal Real Estate Debt Fund
Account Structure	Other
Investment Style	Active
Inception Date	5/01/14
Account Type	Other
Benchmark	Credit Suisse Leveraged Loans
Universe	

3	Year Risk/Return Statistics	
	Principal Real Estate Debt Fund	Credit Suisse Leveraged Loans
RETURN SUMMARY STATISTICS		
Number of Periods	36	36
Maximum Return	2.32	2.64
Minimum Return	0.00	-2.29
Annualized Return	8.25	5.03
Total Return	26.83	15.85
Annualized Excess Return Over Risk Free	7.21	3.99
Annualized Excess Return	3.22	0.00
RISK SUMMARY STATISTICS		
Beta	-0.06	1.00
Upside Deviation	0.60	1.97
Downside Deviation	-	2.80
RISK/RETURN SUMMARY STATISTICS		
Annualized Standard Deviation	3.33	2.79
Alpha	0.69	0.00
Sharpe Ratio	2.16	1.43
Excess Return Over Market / Risk	0.97	0.00
Tracking Error	4.45	0.00
Information Ratio	0.72	-
CORRELATION STATISTICS		
R-Squared	0.00	1.00
Correlation	-0.05	1.00



Principal Real Estate Debt Fund

As of December 31, 2018

Debt Portfolio Characteristics As of December 31, 2018

	Principal Real Estate
	Debt Fund
Loan Balance	\$160.40 Million
# of Active Loans	7
Coupon Rate	6.94%
LTV	66.8%
Debt Yield	9.81%
Remaining Months to Maturity	/ 11.80
Remaining Average Life	0.80
Remaining Duration	0.17

Holdings Summary										
	# of Loans	Principal Balance	Debt Yield	DSCR	Occupancy					
Senior Mortgages	3	\$113,560,215.56	10.30%	1.74	82%					
Sub Debt	4	\$46,836,013.00	8.60%	1.62	94%					
Weighted Averages	7	\$160,396,228.56	10.00%	1.70	86%					

^{*}LTV reflects Loan to Value net of letters of Credit and escrows held by PrinREI.



^{**}Information is as of 09/30/18.

Principal Real Estate Debt Fund II

	Account Information
Account Name	Principal Real Estate Debt Fund II
Account Structure	Other
Investment Style	Active
Inception Date	8/01/17
Account Type	Other
Benchmark	Credit Suisse Leveraged Loans
Universe	

Risk/F	Return Statistics Since Inception	
	Principal Real Estate Debt Fund II	Credit Suisse Leveraged Loans
RETURN SUMMARY STATISTICS		
Number of Periods	17	17
Maximum Return	6.75	1.08
Minimum Return	0.00	-2.29
Annualized Return	12.54	1.83
Total Return	18.22	2.60
Annualized Excess Return Over Risk Free	10.87	0.16
Annualized Excess Return	10.71	0.00
RISK SUMMARY STATISTICS		
Beta	-0.01	1.00
Upside Deviation	6.81	1.06
Downside Deviation		3.81
RISK/RETURN SUMMARY STATISTICS		
Annualized Standard Deviation	6.17	2.63
Alpha	1.01	0.00
Sharpe Ratio	1.76	0.06
Excess Return Over Market / Risk	1.74	0.00
Tracking Error	6.71	0.00
Information Ratio	1.60	-
CORRELATION STATISTICS		
R-Squared	0.00	1.00
Correlation	0.00	1.00



Principal Real Estate Debt Fund II

As of December 31, 2018

Debt Portfolio Characteristics As of December 31, 2018

Р	rincipal Real Estate
	Debt Fund II
Loan Balance	\$572.81 Million
# of Active Loans	17
Coupon Rate	6.72%
LTV	72.8%
Debt Yield	9.27%
Remaining Months to Maturity	21.8
Remaining Average Life	1.36
Remaining Duration	0.21

Holdings Summary										
	# of Loans	Principal Balance	Debt Yield	DSCR	Occupancy					
Senior Mortgages	7	\$231,958,288.64	9.45%	1.76	77%					
Sub Debt	8	\$318,876,431.68	9.15%	2.11	83%					
Construction	2	\$21,977,938.85	9.18%	2.02	0%					
Weighted Averages	17	\$572,812,659.17	9.00%	1.96	80%					

^{*}LTV reflects Loan to Value net of letters of Credit and escrows held by PrinREI.



^{**}Information is as of 09/30/18.

Low Volatility Strategies

As of December 31, 2018

Ending December 31, 2018

	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Low Volatility Strategies	24,735,171	100.0	-6.6	-2.2	-2.2	3.1	2.7	4.3	3.5	Sep-04
Low Volatility Custom Index			-5.7	-2.5	-2.5	2.2	1.9	3.4	3.0	Sep-04
Grosvenor Institutional Partners	12,355,819	50.0	-5.0	-1.5	-1.5	2.2	1.9	4.8	3.9	Sep-04
HFRI Fund of Funds Composite Index			-4.8	-3.9	-3.9	1.3	1.4	3.1	2.8	Sep-04
InvestorForce Public DB Hedge Funds Net Rank			65	46	46	43	46	30	1	Sep-04
InvestorForce Public DB Hedge Funds Net Median			-4.3	-1.8	-1.8	2.1	1.7	4.1	3.6	Sep-04
Parametric Defensive Equity Fund	12,379,352	50.0	-8.1	-2.9	-2.9				0.8	Aug-17
50% S&P500/50%T-Bills			-6.6	-1.0	-1.0	5.2	4.7		2.6	Aug-17



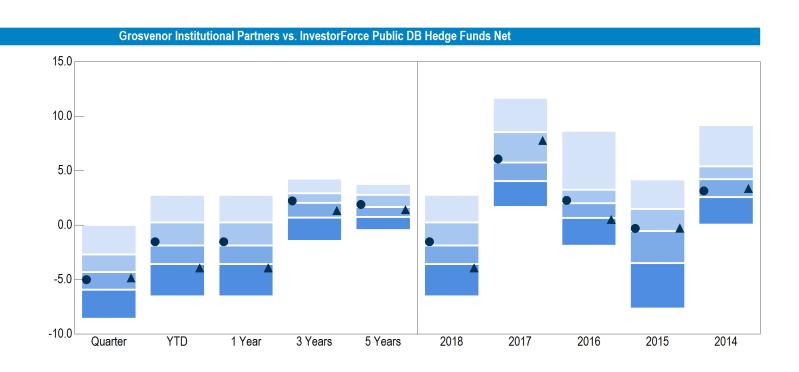
Grosvenor Institutional Partners

	Account Information
Account Name	Grosvenor Institutional Partners
Account Structure	Hedge Fund
Investment Style	Active
Inception Date	9/01/04
Account Type	Hedge Fund
Benchmark	HFRI Fund of Funds Composite Index
Universe	InvestorForce Public DB Hedge Funds Net

3	Year Risk/Return Statistics	
	Grosvenor Institutional Partners	HFRI Fund of Funds Composite Index
RETURN SUMMARY STATISTICS		
Number of Periods	36	36
Maximum Return	2.23	2.33
Minimum Return	-2.97	-2.88
Annualized Return	2.23	1.34
Total Return	6.83	4.08
Annualized Excess Return Over Risk Free	1.19	0.31
Annualized Excess Return	0.88	0.00
RISK SUMMARY STATISTICS		
Beta	0.91	1.00
Upside Deviation	1.88	1.71
Downside Deviation	3.35	3.34
RISK/RETURN SUMMARY STATISTICS		
Annualized Standard Deviation	3.69	3.67
Alpha	0.08	0.00
Sharpe Ratio	0.32	0.08
Excess Return Over Market / Risk	0.24	0.00
Tracking Error	1.61	0.00
Information Ratio	0.55	
CORRELATION STATISTICS		
R-Squared	0.82	1.00
Correlation	0.90	1.00



Grosvenor Institutional Partners



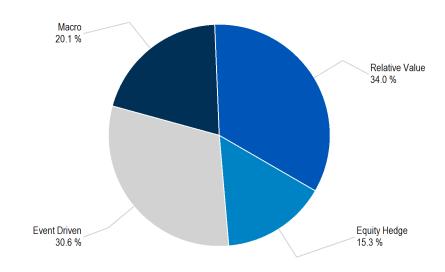
	Return	(Rank)																	
5th Percentile	-0.01	2.7	7	2.77		4.28	3	3.75		2.77		11.68		8.67		4.17		9.19	
25th Percentile	-2.66	0.2	5	0.25		2.96	2	2.81		0.25		8.58		3.28		1.49		5.41	
Median	-4.30	-1.8	5	-1.85		2.07	•	1.68		-1.85		5.77		2.04		-0.52		4.23	
75th Percentile	-5.91	-3.5		-3.57		0.72	(0.76		-3.57		4.06		0.68		-3.48		2.60	
95th Percentile	-8.61	-6.5	2	-6.52	-	1.44	-(0.43		-6.52		1.67		-1.90		-7.65		0.05	
# of Portfolios	45	2	4	44		42		40		44		53		60		55		45	
Grosvenor Institutional Partners	-5.01	(65) -1.5	3 (46)	-1.53	(46)	2.23	(43)	1.90	(46)	-1.53	(46)	6.08	(49)	2.27	(46)	-0.30	(49)	3.15	(69)
▲ HFRI Fund of Funds Composite Index	-4.85	(63) -3.9	2 (80)	-3.92	(80)	1.34	(67)	1.42	(62)	-3.92	(80)	7.77	(32)	0.51	(79)	-0.27	(49)	3.36	(67)



Grosvenor Institutional Partners

As of December 31, 2018

Hedge Fund Allocation: Strategies As of December 31, 2018



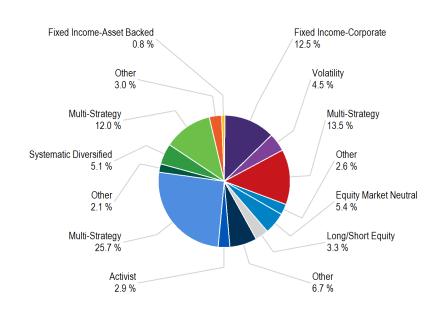
Total Hedge Fund Strategy Allocation As of December 31, 2018									
Strategy	Market Value	Percent							
Equity Hedge	\$1,890,440.31	15.30%							
Event Driven	\$3,784,587.36	30.63%							
Macro	\$2,481,048.46	20.08%							
Relative Value	\$4,199,742.88	33.99%							
TOTALS	\$12,355,819.00	100.00%							



Grosvenor Institutional Partners

As of December 31, 2018

Hedge Fund Allocation: Sub-Strategies As of December 31, 2018



Total Hedge Fund Sub-Strategy Allocation As of December 31, 2018									
Strategy	Sub Strategy	Market Value	Percent						
Equity Hedge	Equity Market Neutral	\$661,036.32	5.35%						
	Long/Short Equity	\$405,270.86	3.28%						
	Other	\$824,133.13	6.67%						
Event Driven	Activist	\$352,140.84	2.85%						
	Multi-Strategy	\$3,179,152.23	25.73%						
	Other	\$253,294.29	2.05%						
Macro	Systematic Diversified	\$630,146.77	5.10%						
	Multi-Strategy	\$1,478,991.53	11.97%						
	Other	\$371,910.15	3.01%						
Relative Value	Fixed Income-Asset Backed	\$102,553.30	0.83%						
	Fixed Income-Corporate	\$1,545,712.96	12.51%						
	Volatility	\$554,776.27	4.49%						
	Multi-Strategy	\$1,672,977.89	13.54%						
	Other	\$323,722.46	2.62%						
	TOTALS	\$12,355,819.00	100.00%						



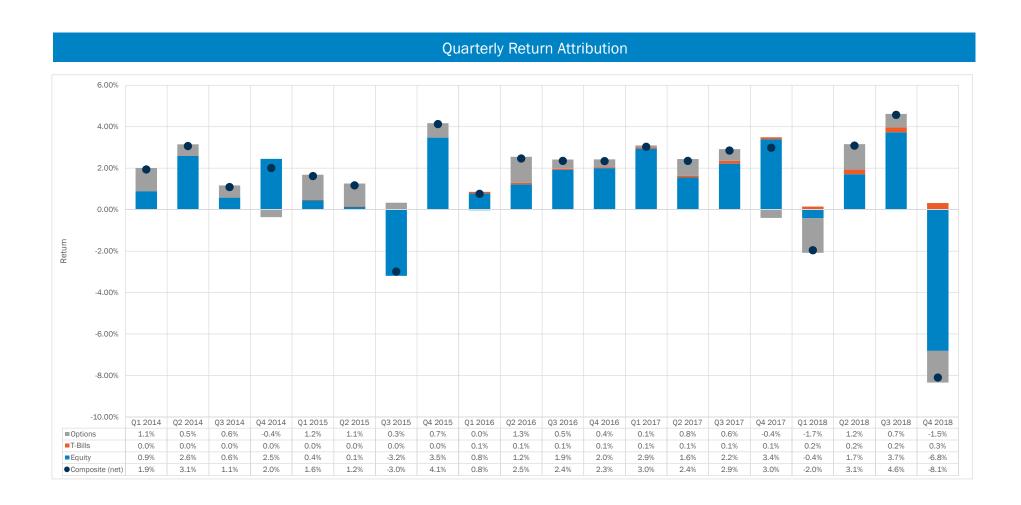
Parametric Defensive Equity Fund

Account Information									
Account Name	Parametric Defensive Equity Fund								
Account Structure	Commingled Fund								
Investment Style	Active								
Inception Date	8/31/17								
Account Type	Other								
Benchmark	50% S&P500/50%T-Bills								
Universe									

Risk/Return Statistics Since Inception										
	Parametric Defensive Equity Fund	50% S&P500/50%T-Bills								
RETURN SUMMARY STATISTICS										
Number of Periods	16	16								
Maximum Return	2.11	2.92								
Minimum Return	-5.02	-4.42								
Annualized Return	0.79	2.61								
Total Return	1.06	3.49								
Annualized Excess Return Over Risk Free	-0.92	0.90								
Annualized Excess Return	-1.82	0.00								
RISK SUMMARY STATISTICS										
Beta	1.08	1.00								
Upside Deviation	1.63	2.67								
Downside Deviation	6.65	5.08								
RISK/RETURN SUMMARY STATISTICS										
Annualized Standard Deviation	7.66	6.83								
Alpha	-0.16	0.00								
Sharpe Ratio	-0.12	0.13								
Excess Return Over Market / Risk	-0.24	0.00								
Tracking Error	2.19	0.00								
Information Ratio	-0.83									
CORRELATION STATISTICS										
R-Squared	0.92	1.00								
Correlation	0.96	1.00								



Parametric Defensive Equity Fund





Liquid Real Assets

As of December 31, 2018

Ending December 31, 2018

	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Liquid Real Assets	10,818,017	100.0	-16.4	-13.4	-13.4	-1.1	-4.0		2.3	Feb-12
Alerian MLP TR USD			-17.3	-12.4	-12.4	-1.1	-7.3	9.6	-1.6	Feb-12
Tortoise MLP Account	10,818,017	100.0	-16.4	-13.4	-13.4	-1.1	-4.0		2.3	Feb-12
Alerian MLP TR USD			-17.3	-12.4	-12.4	-1.1	-7.3	9.6	-1.6	Feb-12
Energy Limited Partnership Mstar MF Rank			25	24	24	66	21		8	Feb-12
Energy Limited Partnership Mstar MF Median			-18.0	-15.1	-15.1	-0.1	-5.9		-0.9	Feb-12



Tortoise MLP Account

	Account Information
Account Name	Tortoise MLP Account
Account Structure	Separate Account
Investment Style	Active
Inception Date	2/01/12
Account Type	Equity
Benchmark	Alerian MLP TR USD
Universe	Energy Limited Partnership Mstar MF

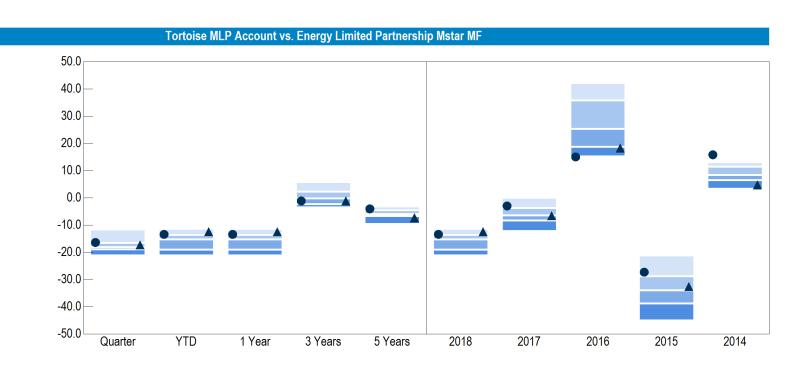
Characteristics									
	Portfolio								
Number of Holdings	26								
Weighted Avg. Market Cap. (\$B)	18.84								
Median Market Cap. (\$B)	6.26								
Price To Earnings	17.29								
Price To Book	1.15								
Price To Sales	3.47								
Return on Equity (%)	25.01								
Yield (%)	8.04								
Beta									
R-Squared									

Top Ten Holdings							
ENERGY TRANSFER (NYS) UNITS	10.19%						
ENTERPRISE PRDS.PTNS.LP.	9.84%						
PLAINS ALL AMER.PIPE.LP. UNIT	8.90%						
MAGELLAN MIDSTREAM PTNS. UTS.	8.68%						
MPLX	7.76%						
WESTERN GAS PARTNERS	6.29%						
WILLIAMS	6.06%						
ONEOK	6.00%						
EQM MIDSTREAM (NYS) PARTNERS UNITS	5.92%						
PHILLIPS 66 PARTNERS	4.67%						
Total	74.30%						

3 Year Risk/Return Statistics									
	Tortoise MLP Account	Alerian MLP TR USD							
RETURN SUMMARY STATISTICS									
Number of Periods	36	36							
Maximum Return	9.58	11.04							
Minimum Return	-12.81	-11.10							
Annualized Return	-1.11	-1.06							
Total Return	-3.30	-3.14							
Annualized Excess Return Over Risk Free	-2.15	-2.09							
Annualized Excess Return	-0.05	0.00							
RISK SUMMARY STATISTICS									
Beta	0.94	1.00							
Upside Deviation	9.24	10.52							
Downside Deviation	12.35	12.23							
RISK/RETURN SUMMARY STATISTICS									
Annualized Standard Deviation	17.57	18.36							
Alpha	-0.01	0.00							
Sharpe Ratio	-0.12	-0.11							
Excess Return Over Market / Risk	0.00	0.00							
Tracking Error	3.86	0.00							
Information Ratio	-0.01								
CORRELATION STATISTICS									
R-Squared	0.96	1.00							
Correlation	0.98	1.00							



Tortoise MLP Account



	Return	(Rank)																	
5th Percentile	-11.6		-11.4		-11.4		5.83		-3.15		-11.4		0.01		42.09		-21.2		13.03	
25th Percentile	-16.4		-13.4		-13.4		2.34		-4.51		-13.4		-3.59		35.88		-28.7		11.54	
Median	-18.0		-15.1		-15.1		-0.11		-5.87		-15.1		-6.41		25.49		-33.9		8.49	
75th Percentile	-18.8		-18.9		-18.9		-2.20		-6.57		-18.9		-8.25		18.82		-38.7		6.55	
95th Percentile	-21.0		-21.0		-21.0		-3.38		-9.54		-21.0		-12.1		15.30		-44.9		3.41	
# of Portfolios	39		39		39		35		28		39		33		35		29		26	
Tortoise MLP Account	-16.3	(25)	-13.4	(24)	-13.4	(24)	-1.11	(66)	-4.02	(21)	-13.4	(24)	-2.96	(21)	15.07	(96)	-27.2	(21)	15.86	(3)
▲ Alerian MLP TR USD	-17.3	(41)	-12.4	(12)	-12.4	(12)	-1.06	(66)	-7.31	(83)	-12.4	(12)	-6.52	(55)	18.31	(80)	-32.5	(44)	4.80	(80)



Tortoise MLP Account

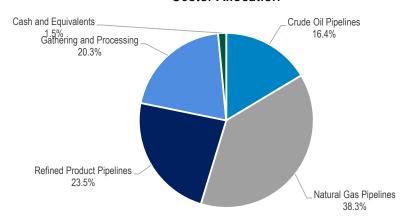
As of December 31, 2018

Tortoise Commingled MLP Fund Characteristics

As of December 31, 2018

Top 5 Holdings								
Company Name	Fund Weight							
Energy Transfer LP	10.2%							
Enterprise Products Partners, L.P.	9.8%							
Plains All American Pipeline, L.P.	8.9%							
Magellan Midstream Partners, L.P.	8.7%							
MPLX LP	7.8%							

Sector Allocation





Total Real Estate

As of December 31, 2018

Ending December 31, 2018

	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Real Estate	43,696,623	100.0	0.8	8.7	8.7	9.7			11.3	Jul-14
Real Estate Custom Index			1.2	6.8	6.8	7.1			9.2	Jul-14
Principal US Property Account	27,051,375	61.9	1.2	8.1	8.1	8.4	10.3	6.6	7.2	Sep-04
NCREIF-ODCE Net			1.8	7.6	7.6	7.4	9.5	6.0	7.2	Sep-04
Harbert US Real Estate Fund V	7,628,219	17.5	0.0	7.2	7.2	12.6			14.8	Jul-14
NCREIF Property Index			0.0	5.3	5.3	6.7	9.0	7.3	8.7	Jul-14
Harbert US Real Estate Fund VI	9,017,029	20.6	0.0	11.9	11.9				6.2	Apr-16
NCREIF Property Index			0.0	5.3	5.3	6.7	9.0	7.3	6.5	Apr-16



Total Real Estate

	Non-Marketable Securities Overview As of December 31, 2018												
Account Type	Account	Vintage Year	Commitment	Cumulative Takedown	Cumulative Distributions	Value (RV)	Total Value (RV + Dist)	Unfunded Commitment	DPI (dist / takedowns)	RVPI (RV / takedowns)	TVPI (TV / takedown)	Takedown (takedowns / commit)	IRR
Real Estate	Harbert US Real Estate Fund V	2012	\$11,300,000	\$9,054,039	\$5,856,094	\$7,628,219	\$13,484,314	\$2,245,961	64.68%	84.25%	148.93%	80.12%	14.18
	Harbert US Real Estate Fund VI	2016	\$10,000,000	\$7,728,702	\$472,926	\$9,017,029	\$9,489,954	\$2,271,298	6.12%	116.67%	122.79%	77.29%	10.90
	Total Account		\$21,300,000	\$16,782,740	\$6,329,020	\$16,645,248	\$22,974,268	\$4,517,260	37.71%	99.18%	136.89%	78.79%	13.15



Principal US Property Account

	Account Information
Account Name	Principal US Property Account
Account Structure	Other
Investment Style	Active
Inception Date	9/01/04
Account Type	Real Estate
Benchmark	NCREIF-ODCE Net
Universe	

	3 Year Risk/Return Statistics				
	Principal US Property Account	NCREIF-ODCE Net			
RETURN SUMMARY STATISTICS					
Number of Periods	36	36			
Maximum Return	1.17	1.97			
Minimum Return	0.31	0.00			
Annualized Return	8.39	7.35			
Total Return	27.34	23.72			
Annualized Excess Return Over Risk Free	7.35	6.32			
Annualized Excess Return	1.04	0.00			
RISK SUMMARY STATISTICS					
Beta	0.00	1.00			
Upside Deviation	0.75	0.55			
Downside Deviation					
RISK/RETURN SUMMARY STATISTICS					
Annualized Standard Deviation	0.75	2.98			
Alpha	0.67	0.00			
Sharpe Ratio	9.86	2.12			
Excess Return Over Market / Risk	1.39	0.00			
Tracking Error	3.07	0.00			
Information Ratio	0.34				
CORRELATION STATISTICS					
R-Squared	0.00	1.00			
Correlation	0.00	1.00			



Harbert US Real Estate Fund V

	Account Information
Account Name	Harbert US Real Estate Fund V
Account Structure	Other
Investment Style	Active
Inception Date	7/01/14
Account Type	Real Estate
Benchmark	NCREIF Property Index
Universe	

	3 Year Risk/Return Statistics	
	Harbert US Real Estate Fund V	NCREIF Property Index
RETURN SUMMARY STATISTICS		
Number of Periods	36	36
Maximum Return	5.00	2.21
Minimum Return	0.00	0.00
Annualized Return	12.61	6.73
Total Return	42.78	21.58
Annualized Excess Return Over Risk Free	11.57	5.70
Annualized Excess Return	5.87	0.00
RISK SUMMARY STATISTICS		
Beta	1.84	1.00
Upside Deviation	4.94	0.63
Downside Deviation		
RISK/RETURN SUMMARY STATISTICS		
Annualized Standard Deviation	5.96	2.92
Alpha	0.00	0.00
Sharpe Ratio	1.94	1.95
Excess Return Over Market / Risk	0.99	0.00
Tracking Error	3.56	0.00
Information Ratio	1.65	-
CORRELATION STATISTICS		
R-Squared	0.81	1.00
Correlation	0.90	1.00



Harbert US Real Estate Fund VI

A	Account Information
Account Name	Harbert US Real Estate Fund VI
Account Structure	Other
Investment Style	Active
Inception Date	4/01/16
Account Type	Real Estate
Benchmark	NCREIF Property Index
Universe	

Risk/Return Statistics Since Inception					
	Harbert US Real Estate Fund VI	NCREIF Property Index			
RETURN SUMMARY STATISTICS					
Number of Periods	33	33			
Maximum Return	5.86	2.03			
Minimum Return	-10.90	0.00			
Annualized Return	6.19	6.52			
Total Return	17.96	18.96			
Annualized Excess Return Over Risk Free	5.08	5.41			
Annualized Excess Return	-0.32	0.00			
RISK SUMMARY STATISTICS					
Beta	0.75	1.00			
Upside Deviation	7.11	0.43			
Downside Deviation		-			
RISK/RETURN SUMMARY STATISTICS					
Annualized Standard Deviation	9.13	2.84			
Alpha	0.14	0.00			
Sharpe Ratio	0.56	1.90			
Excess Return Over Market / Risk	-0.04	0.00			
Tracking Error	8.91	0.00			
Information Ratio	-0.04				
CORRELATION STATISTICS					
R-Squared	0.05	1.00			
Correlation	0.23	1.00			

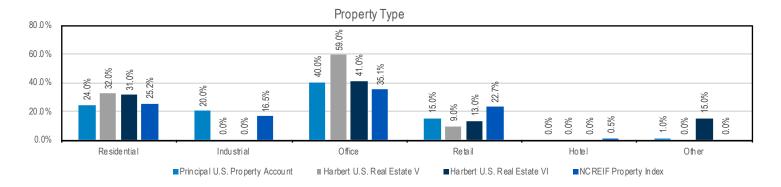


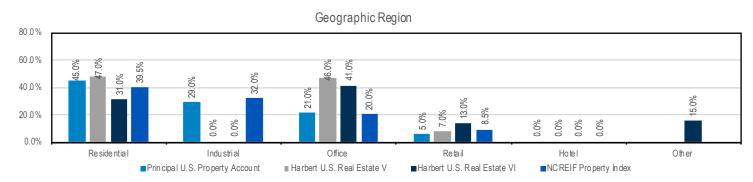
Private Equity Real Estate

As of December 31, 2018

Private Equity Real Estate Portfolio Characteristics As of December 31, 2018

	Principal U.S. Property	*Harbert U.S. Real	*Harbert U.S. Real
	Account	Estate Fund V, LP	Estate Fund VI, LP
Gross Asset Value	\$10.20 Billion	N/A	N/A
Net Asset Value	\$8.08 Billion	\$332.20 Billion	\$418.15 Million
Leverage Ratio	18.3%	63.0%	63.0%
Number of Investments	136	18	24
Number of Markets	42	8	13
Portfolio Occupancy	92.6%	75.0%	87.0%







Adams County Retirement Plan

As of December 31, 2018

Benchmark History
As of December 31, 2018

Total Fund		
8/1/2017	Present	MSCI ACWI 40% / Russell 3000 5% / BBgBarc US Aggregate TR 10% / Credit Suisse Leveraged Loans 15% / Alerian MLP TR USD 5% / 50% S&P500/50%T-Bills 5% / HFRI Fund of Funds Composite Index 5% / NCREIF-ODCE Net 10% / NCREIF Property Index 5%
10/1/2014	7/31/2017	MSCI ACWI 40% / Russell 3000 5% / BBgBarc US Aggregate TR 10% / Credit Suisse Leveraged Loans 10% / Alerian MLP TR USD 10% / HFRI Fund of Funds Composite Index 10% / NCREIF-ODCE Net 10% / NCREIF Property Index 5%
7/1/2014	9/30/2014	MSCI ACWI 40% / Russell 3000 5% / BBgBarc US Aggregate TR 15% / Credit Suisse Leveraged Loans 10% / Alerian MLP TR USD 5% / HFRI Fund of Funds Composite Index 10% / NCREIF-ODCE Net 10% / NCREIF Property Index 5%
10/1/2013	6/30/2014	MSCI ACWI 40% / Russell 3000 5% / BBgBarc US Aggregate TR 25% / Credit Suisse Leveraged Loans 5% / Alerian MLP TR USD 5% / HFRI Fund of Funds Composite Index 10% / NCREIF-ODCE Net 10%
1/1/2012	9/30/2013	MSCI ACWI 40% / Russell 3000 5% / BBgBarc US Aggregate TR 25% / Alerian MLP TR USD 5% / HFRI Fund of Funds Composite Index 15% / NCREIF-ODCE Net 10%
10/1/2010	12/31/2011	MSCI ACWI 45% / Russell 3000 5% / BBgBarc US Aggregate TR 25% / HFRI Fund of Funds Composite Index 15% / NCREIF-ODCE Net 10%
9/1/2009	9/30/2010	MSCI ACWI 55% / Russell 3000 5% / BBgBarc US Aggregate TR 20% / HFRI Fund of Funds Composite Index 10% / NCREIF-ODCE Net 10%
7/1/2007	8/31/2009	Russell 3000 40% / MSCI ACWI ex USA 20% / BBgBarc US Aggregate TR 20% / HFRI Fund of Funds Composite Index 10% / NCREIF-ODCE Net 10%
7/1/2005	6/30/2007	Russell 3000 45% / MSCI EAFE 15% / BBgBarc US Aggregate TR 20% / HFRI Fund of Funds Composite Index 10% / NCREIF-ODCE Net 10%
10/1/2004	6/30/2005	S&P 500 38% / Russell 2000 12% / MSCI EAFE 10% / BBgBarc US Aggregate TR 10% / BBgBarc US Govt/Credit TR 10% / HFRI Fund of Funds Composite Index 10% / NCREIF-ODCE Net 10%
1/1/2004	9/30/2004	S&P 500 38% / Russell 2000 12% / MSCI EAFE 10% / BBgBarc US Aggregate TR 20% / BBgBarc US Govt/Credit TR 20%
7/1/2001	12/31/2003	S&P 500 40% / Russell 2000 Growth 10% / MSCI EAFE 10% / BBgBarc US Aggregate TR 20% / BBgBarc US Govt/Credit TR 20%
4/1/2000	6/30/2001	S&P 500 40% / Russell 2000 Growth 10% / MSCI EAFE 10% / BBgBarc US Govt/Credit Int TR 30% / BBgBarc US Govt/Credit TR 10%
1/1/1998	3/31/2000	S&P 500 40% / Russell 2000 10% / MSCI EAFE 10% / BBgBarc US Govt/Credit Int TR 30% / BBgBarc US Govt/Credit TR 10%
1/1/1995	12/31/1997	S&P 500 35% / MSCI EAFE 10% / BBgBarc US Govt/Credit Int TR 41% / BBgBarc US Govt/Credit TR 14%
1/1/1992	12/31/1994	S&P 500 40% / BBgBarc US Govt/Credit Int TR 45% / BBgBarc US Govt/Credit TR 15%
1/1/1990	12/31/1991	S&P 500 40% / BBgBarc US Govt/Credit Int TR 60%

1	/ / - I - T;I;T	/ Strategies
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9/1/2017 HFRI Fund of Funds Composite Index 50% / 50% S&P500/50%T-Bills 50% Present 8/31/2017 HFRI Fund of Funds Composite Index 100% 9/1/2004

Real Estate

NCREIF-ODCE Net 67% / NCREIF Property Index 33% 7/1/2014 Present



Adams County Retirement Plan

		Manager Roster				
		As of December 31, 20	018			
	Account Type	Benchmark	Universe	Market Value	Allocation	Inception
Adams Street 2012 Global Fund	Private Equity			\$3,576,090	1.4%	2/1/2012
American New Perspective Fd R6	Public Equity	MSCI ACWI	World Large Stock Mstar MF	\$12,677,170	5.1%	7/31/2017
Barings Global Floating Rate Fund	Floating Rate Debt	Credit Suisse Leveraged Loans	Bank Loan MStar MF	\$18,264,423	7.3%	9/30/2018
Dodge & Cox Global Equity Fd	Public Equity	MSCI ACWI	World Large Stock Mstar MF	\$11,568,269	4.6%	7/31/2017
FIAM SMID Cap Core	Public Equity	Russell 2500	SMID Blend MStar MF	\$12,296,121	4.9%	4/1/2013
Golub Capital Partners 11	Floating Rate Debt	Credit Suisse Leveraged Loans		\$2,800,000	1.1%	7/1/2017
Grosvenor Institutional Partners	Low Volatility	HFRI Fund of Funds Composite Index	InvestorForce Public DB Hedge Funds Net	\$12,355,819	5.0%	9/1/2004
Harbert US Real Estate Fund V	Real Estate	NCREIF Property Index		\$7,628,219	3.1%	7/1/2014
Harbert US Real Estate Fund VI	Real Estate	NCREIF Property Index		\$9,017,029	3.6%	4/1/2016
Mesirow Private Equity III	Private Equity			\$822,193	0.3%	9/1/2005
Mesirow Private Equity IV	Private Equity			\$2,148,443	0.9%	3/1/2007
Metropolitan West Total Return	Fixed Rate Debt	BBgBarc US Aggregate TR	Intermediate-Term Bond MStar MF	\$13,466,124	5.4%	9/30/2016
Mill Levy Operating Account	Cash			\$176,803	0.1%	2/28/2018
NGP Natural Resources XI	Private Equity			\$2,113,859	0.8%	11/1/2014
Operating Account	Cash			\$5,257,754	2.1%	10/1/1998
Parametric Defensive Equity Fund	Low Volatility	50% S&P500/50%T-Bills		\$12,379,352	5.0%	8/31/2017
Principal Real Estate Debt Fund	Floating Rate Debt	Credit Suisse Leveraged Loans		\$1,609,878	0.6%	5/1/2014
Principal Real Estate Debt Fund II	Floating Rate Debt	Credit Suisse Leveraged Loans		\$5,965,496	2.4%	8/1/2017
Principal US Property Account	Real Estate	NCREIF-ODCE Net		\$27,051,375	10.9%	9/1/2004
RCP Fund XI	Private Equity			\$1,475,995	0.6%	12/1/2016
Segall Bryant & Hamill	Fixed Rate Debt	BBgBarc US Govt/Credit TR	Intermediate-Term Bond MStar MF	\$16,211,146	6.5%	12/31/1989
Strategic Value Special Situations III	Private Equity			\$2,310,462	0.9%	10/1/2014
Tortoise MLP Account	Liquid Real Assets	Alerian MLP TR USD	Energy Limited Partnership Mstar MF	\$10,818,017	4.3%	2/1/2012
Vanguard Institutional Index	Public Equity	S&P 500	Large Blend MStar MF	\$34,416,644	13.8%	7/31/2017
Vanguard Total International Stock Index	Public Equity	FTSE Global All Cap ex US	Foreign Large Blend MStar MF	\$22,544,233	9.1%	7/31/2017
Total		Policy Index	InvestorForce Public DB \$250mm-\$1B Net	\$248,803,833	100.0%	1/1/1990



Total Fund

Account	Fee Schedule	Market Value As of 12/31/2018	% of Portfolio	Estimated Annual Fee (\$)	Estimated Annual Fee (%)
Vanguard Institutional Index	0.04% of Assets	\$34,416,644	13.8%	\$13,767	0.04%
Vanguard Total International Stock Index	0.09% of Assets	\$22,544,233	9.1%	\$20,290	0.09%
American New Perspective Fd R6	0.45% of Assets	\$12,677,170	5.1%	\$57,047	0.45%
Dodge & Cox Global Equity Fd	0.63% of Assets	\$11,568,269	4.6%	\$72,880	0.63%
FIAM SMID Cap Core	0.65% of Assets	\$12,296,121	4.9%	\$79,925	0.65%
Mesirow Private Equity III	1.00% of Assets	\$822,193	0.3%	\$8,222	1.00%
Mesirow Private Equity IV	1.00% of Assets	\$2,148,443	0.9%	\$21,484	1.00%
Adams Street 2012 Global Fund	1.00% of Assets	\$3,576,090	1.4%	\$35,761	1.00%
NGP Natural Resources XI	7,500 Quarterly	\$2,113,859	0.8%	\$30,000	
RCP Fund XI	15,000 Quarterly	\$1,475,995	0.6%	\$60,000	
Strategic Value Special Situations III	8,750 Quarterly	\$2,310,462	0.9%	\$35,000	
Segall Bryant & Hamill	0.30% of First 25.0 Mil, 0.25% Thereafter	\$16,211,146	6.5%	\$48,633	0.30%
Metropolitan West Total Return	0.44% of Assets	\$13,466,124	5.4%	\$59,251	0.44%
Barings Global Floating Rate Fund	0.71% of Assets	\$18,264,423	7.3%	\$129,677	0.71%
Golub Capital Partners 11	1.00% of Assets	\$2,800,000	1.1%	\$28,000	1.00%
Principal Real Estate Debt Fund	0.65% of Assets	\$1,609,878	0.6%	\$10,464	0.65%
Principal Real Estate Debt Fund II	0.85% of Assets	\$5,965,496	2.4%	\$50,707	0.85%
Grosvenor Institutional Partners	1.25% of First 25.0 Mil, 1.00% of Next 25.0 Mil	\$12,355,819	5.0%	\$154,448	1.25%
Parametric Defensive Equity Fund	0.35% of Assets	\$12,379,352	5.0%	\$43,328	0.35%
Tortoise MLP Account	0.75% of Assets	\$10,818,017	4.3%	\$81,135	0.75%
Principal US Property Account	1.00% of Assets	\$27,051,375	10.9%	\$270,514	1.00%
Harbert US Real Estate Fund V	1.50% of Assets	\$7,628,219	3.1%	\$114,423	1.50%
Harbert US Real Estate Fund VI	31,250 Quarterly	\$9,017,029	3.6%	\$125,000	
Operating Account	No Fee	\$5,257,754	2.1%	-	
Mill Levy Operating Account	No Fee	\$176,803	0.1%		
Investment Management Fee		\$248,950,913	100.0%	\$1,549,956	0.62%



Endnotes

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Endnotes

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Updated 05/18/18