

THIRD FISCAL QUARTER 2018 INVESTMENT PERFORMANCE ANALYSIS VERMONT PENSION INVESTMENT COMMITTEE



May 22, 2018

Margaret Belmondo, CIMA®, Senior Consultant

Will Forde, CAIA, Consultant

Nedelina Petkova, Senior Analyst















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MARKET ENVIRONMENT

NEPC, LLC

PERFORMANCE OVERVIEW

Q1 Market Summary

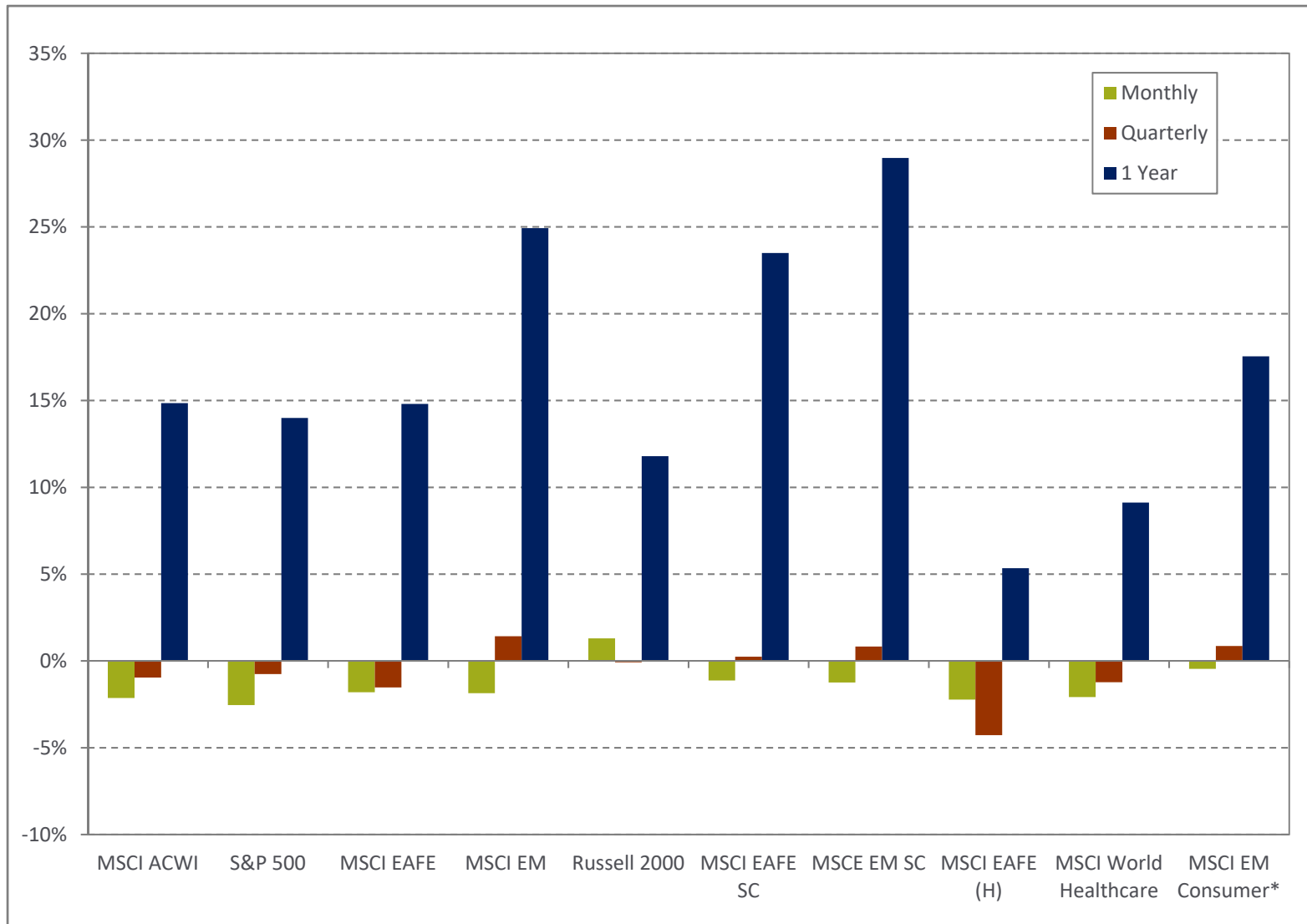
Macro			Equity			Credit			Real Assets		
US Dollar	VIX	US 10-Yr	S&P 500	MSCI EAFE	MSCI EM	US Agg.	High Yield	Dollar EMD	Oil	Gold	REITS
											
-2.3%	8.9	33 bps	-0.8%	-1.5%	1.4%	-1.5%	-0.9%	-1.8%	7.5%	1.7%	-6.5%

- **After a strong year for equity markets in 2017, the first quarter of the year saw a spike in volatility – in part due to concerns over a potential trade war between the US and China**
- **After ending 2017 down over 10%, the US dollar continued to decline in Q1 relative to a basket of major currencies**
 - As a result, emerging market equities fared well throughout the quarter and are still supported by strong earnings and GDP growth
- **The US yield curve flattened as the Fed rate hike pushed short-term interest rates higher while long-term rates rose more modestly**

Market segment (index representation) as follows: US Dollar (DXY Index), VIX (CBOE Volatility Index), US 10-Year (US 10-Year Treasury Yield), S&P 500 (US Equity), MSCI EAFE Index (International Developed Equity), MSCI Emerging Markets (Emerging Markets Equity), US Agg (Barclays US Aggregate Bond Index), High Yield (Barclays US High Yield Index), Dollar EMD (JPM Emerging Market Bond Index), Crude Oil (WTI Crude Oil Spot), Gold (Gold Price Spot), and REITs (NAREIT Composite Index).



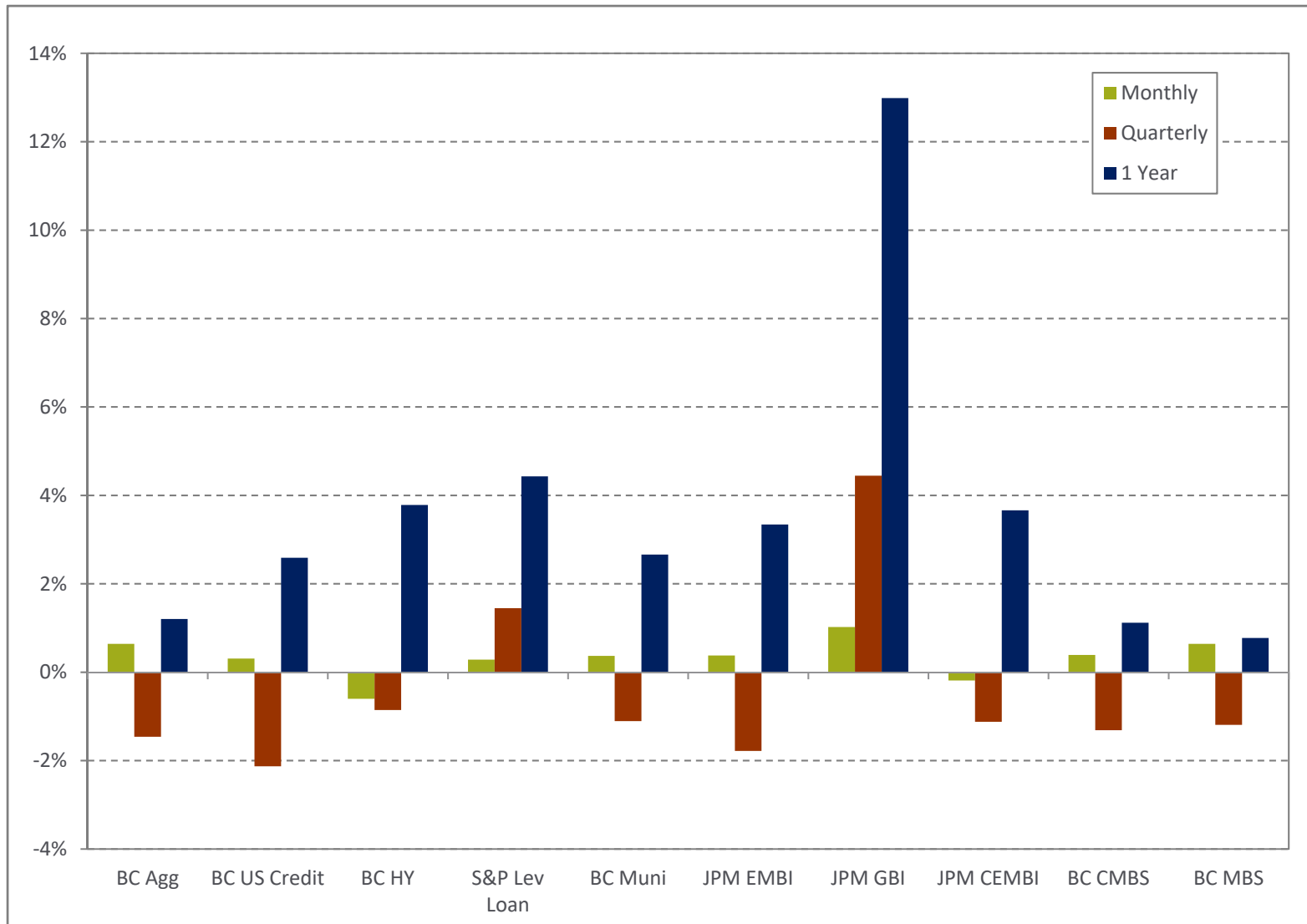
Q1 EQUITY INDEX RETURNS



*Equal weighted blend of EM Healthcare, Consumer Staples, Consumer Discretionary, and Consumer Durables Sectors
 Source: Bloomberg



Q1 CREDIT INDEX RETURNS



Source: Barclays, S&P, JPM, Bloomberg



STATE EMPLOYEES' RETIREMENT SYSTEM

NEPC, LLC

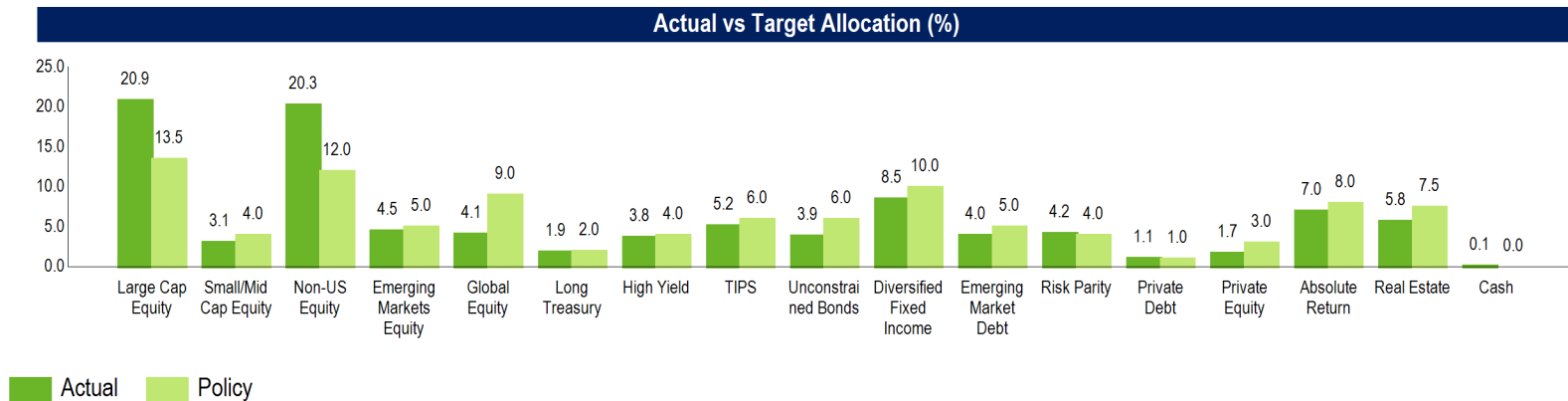
Vermont State Employees

TOTAL FUND PERFORMANCE SUMMARY - NET

	Market Value	3 Mo	Rank	Fiscal YTD	Rank	1 Yr	Rank	3 Yrs	Rank	5 Yrs	Rank	7 Yrs	Rank	10 Yrs	Rank
Total Employees Composite	\$1,826,053,775	-0.6%	67	6.1%	71	9.0%	69	5.9%	64	5.7%	92	6.1%	85	5.4%	81
<i>Policy Index</i>		-0.5%	65	6.1%	71	8.8%	76	5.8%	67	5.8%	90	5.8%	92	5.1%	87
<i>Allocation Index</i>		-0.6%	71	6.6%	51	9.4%	54	5.9%	63	5.9%	88	5.8%	92	5.2%	84
<i>InvestorForce Public DB < \$5 Billion Net Median</i>		-0.3%		6.6%		9.6%		6.1%		7.2%		7.0%		6.0%	

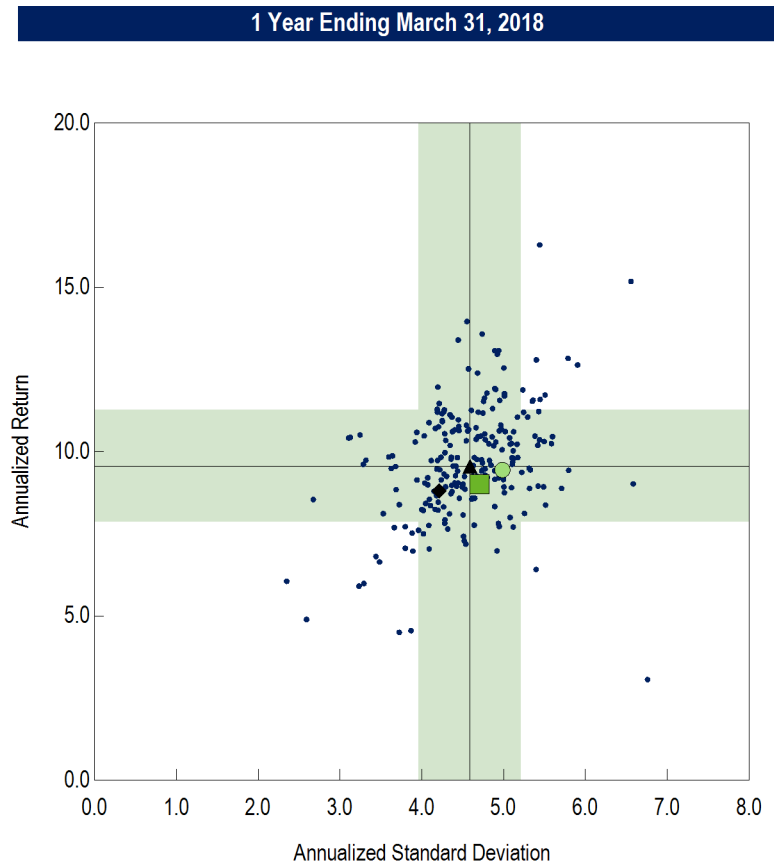
3 Years Ending March 31, 2018								
	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Sharpe Ratio	Rank	Sortino Ratio RF	Rank
Total Employees Composite	5.89%	64	5.61%	25	0.95	38	1.47	25
Policy Index	5.82%	67	5.25%	13	1.00	25	1.61	9
Allocation Index	5.91%	63	5.61%	25	0.96	36	1.52	18

5 Years Ending March 31, 2018								
	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Sharpe Ratio	Rank	Sortino Ratio RF	Rank
Total Employees Composite	5.68%	92	5.71%	33	0.94	86	1.64	74
Policy Index	5.79%	90	5.23%	11	1.04	73	1.85	53
Allocation Index	5.87%	88	5.46%	21	1.01	76	1.77	64



Vermont State Employees

TOTAL FUND RISK/RETURN - NET



- Total Employees Composite
- ◆ Policy Index
- Allocation Index
- ▲ Universe Median
- 68% Confidence Interval
- InvestorForce Public DB < \$5 Billion Net

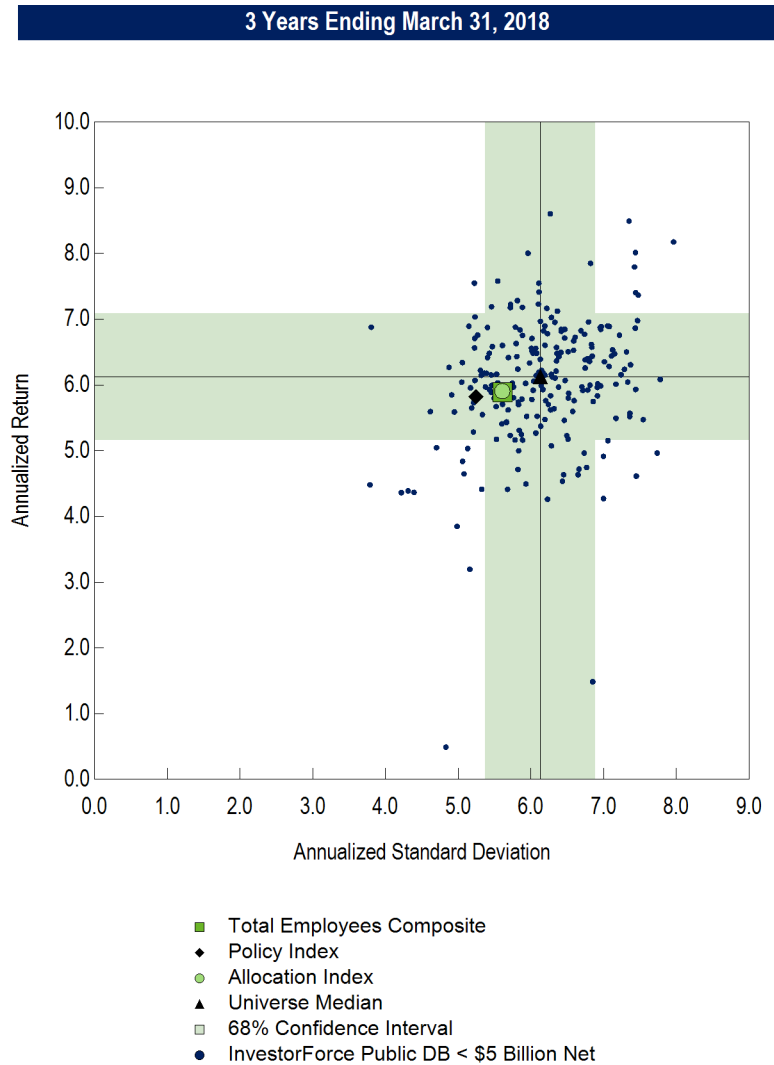
1 Year Ending March 31, 2018

	Anlzd Return	Anlzd Return Rank	Anlzd Standard Deviation	Anlzd Standard Deviation Rank	Sharpe Ratio	Sharpe Ratio Rank
Total Employees Composite	9.01%	69	4.70%	58	1.67	75
Policy Index	8.80%	76	4.21%	25	1.81	51
S&P 500	13.99%	1	8.47%	99	1.51	89
Citi WGBI	8.49%	81	3.78%	9	1.94	38
MSCI ACWI	14.85%	1	8.55%	99	1.60	83
MSCI ACWI ex USA	16.53%	1	9.18%	99	1.67	75
InvestorForce Public DB < \$5 Billion Net Median	9.56%	--	4.59%	--	1.82	--



Vermont State Employees

TOTAL FUND RISK/RETURN - NET

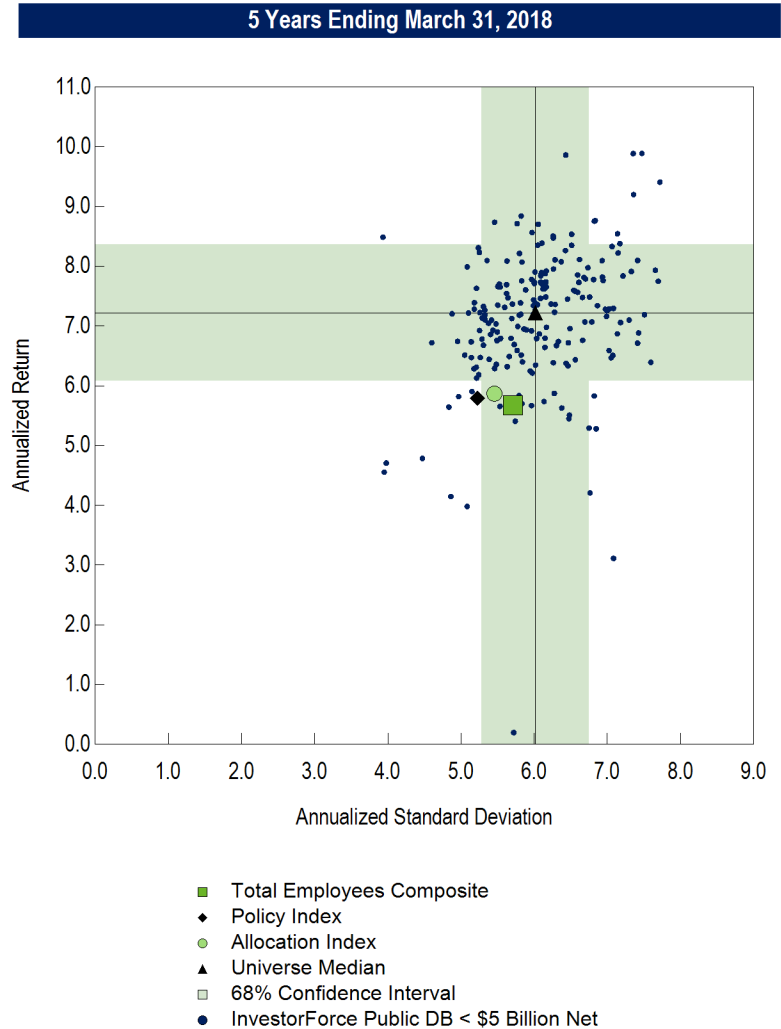


3 Years Ending March 31, 2018

	Anlzd Return	Anlzd Return Rank	Anlzd Standard Deviation	Anlzd Standard Deviation Rank	Sharpe Ratio	Sharpe Ratio Rank
Total Employees Composite	5.89%	64	5.61%	25	0.95	38
Policy Index	5.82%	67	5.25%	13	1.00	25
S&P 500	10.78%	1	10.26%	99	1.00	27
Citi WGBI	3.45%	99	5.85%	36	0.50	99
MSCI ACWI	8.12%	2	10.88%	99	0.70	91
MSCI ACWI ex USA	6.18%	45	12.47%	99	0.45	99
InvestorForce Public DB < \$5 Billion Net Median	6.13%	--	6.13%	--	0.91	--



TOTAL FUND RISK/RETURN - NET



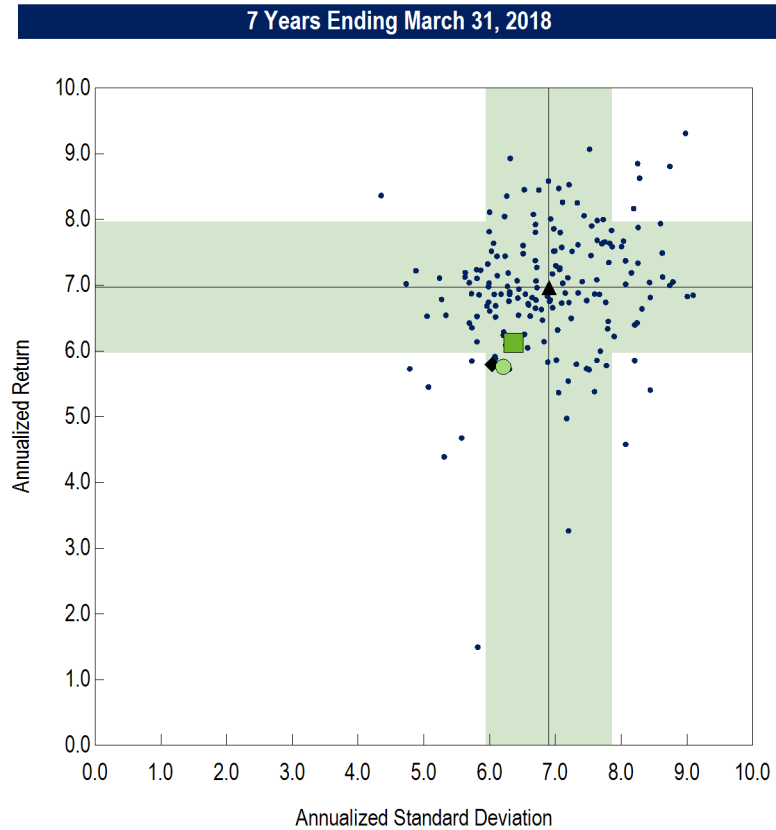
5 Years Ending March 31, 2018

	Anlzd Return	Anlzd Return Rank	Anlzd Standard Deviation	Anlzd Standard Deviation Rank	Sharpe Ratio	Sharpe Ratio Rank
Total Employees Composite	5.68%	92	5.71%	33	0.94	86
Policy Index	5.79%	90	5.23%	11	1.04	73
S&P 500	13.31%	1	9.87%	99	1.31	13
Citi WGBI	1.18%	99	5.44%	21	0.16	99
MSCI ACWI	9.20%	2	10.35%	99	0.86	95
MSCI ACWI ex USA	5.89%	88	11.88%	99	0.47	99
InvestorForce Public DB < \$5 Billion Net Median	7.22%	--	6.02%	--	1.15	--



Vermont State Employees

TOTAL FUND RISK/RETURN - NET



- Total Employees Composite
- ◆ Policy Index
- Allocation Index
- ▲ Universe Median
- 68% Confidence Interval
- InvestorForce Public DB < \$5 Billion Net

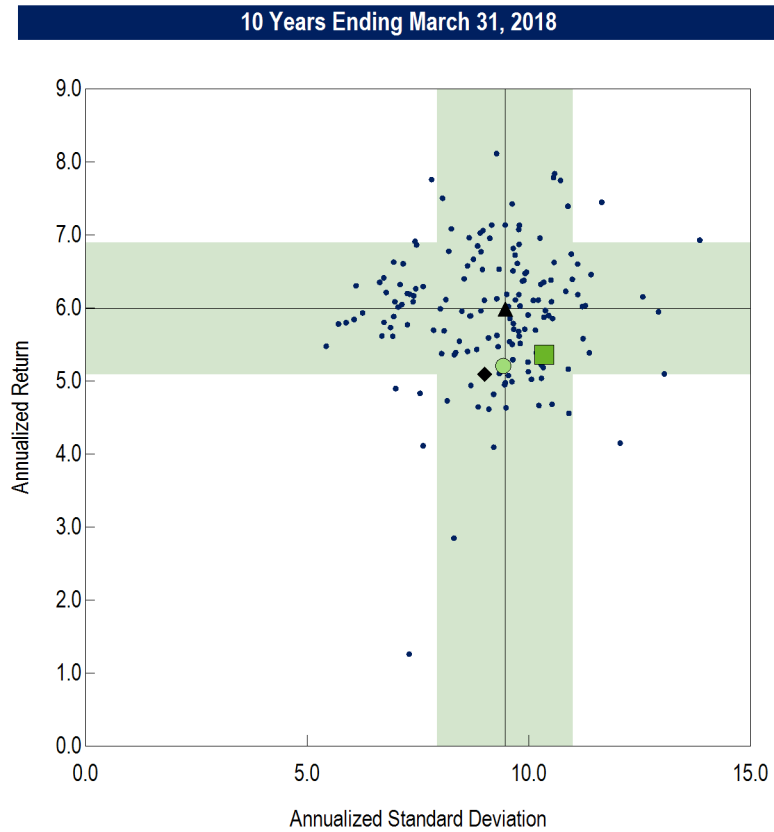
7 Years Ending March 31, 2018

	Anlzd Return	Anlzd Return Rank	Anlzd Standard Deviation	Anlzd Standard Deviation Rank	Sharpe Ratio	Sharpe Ratio Rank
Total Employees Composite	6.12%	85	6.37%	33	0.92	67
Policy Index	5.79%	92	6.04%	19	0.92	70
S&P 500	12.71%	1	11.00%	99	1.13	19
Citi WGBI	1.47%	99	5.19%	4	0.23	99
MSCI ACWI	7.91%	14	12.19%	99	0.63	99
MSCI ACWI ex USA	4.26%	99	14.06%	99	0.28	99
InvestorForce Public DB < \$5 Billion Net Median	6.97%	--	6.90%	--	0.98	--



Vermont State Employees

TOTAL FUND RISK/RETURN - NET



- Total Employees Composite
- ◆ Policy Index
- Allocation Index
- ▲ Universe Median
- 68% Confidence Interval
- InvestorForce Public DB < \$5 Billion Net

10 Years Ending March 31, 2018

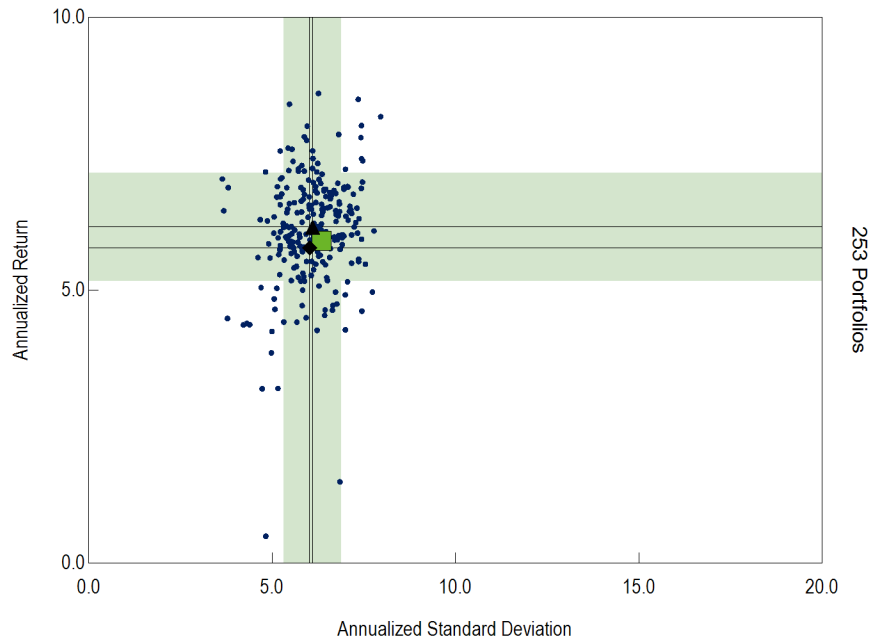
	Anlzd Return	Anlzd Return Rank	Anlzd Standard Deviation	Anlzd Standard Deviation Rank	Sharpe Ratio	Sharpe Ratio Rank
Total Employees Composite	5.36%	81	10.33%	82	0.49	86
Policy Index	5.10%	87	9.00%	41	0.53	75
S&P 500	9.49%	1	15.05%	99	0.61	50
Citi WGBI	1.97%	99	6.52%	4	0.26	99
MSCI ACWI	5.57%	72	16.72%	99	0.32	99
MSCI ACWI ex USA	2.70%	99	18.79%	99	0.13	99
InvestorForce Public DB < \$5 Billion Net Median	5.99%	--	9.46%	--	0.61	--



Vermont State Employees

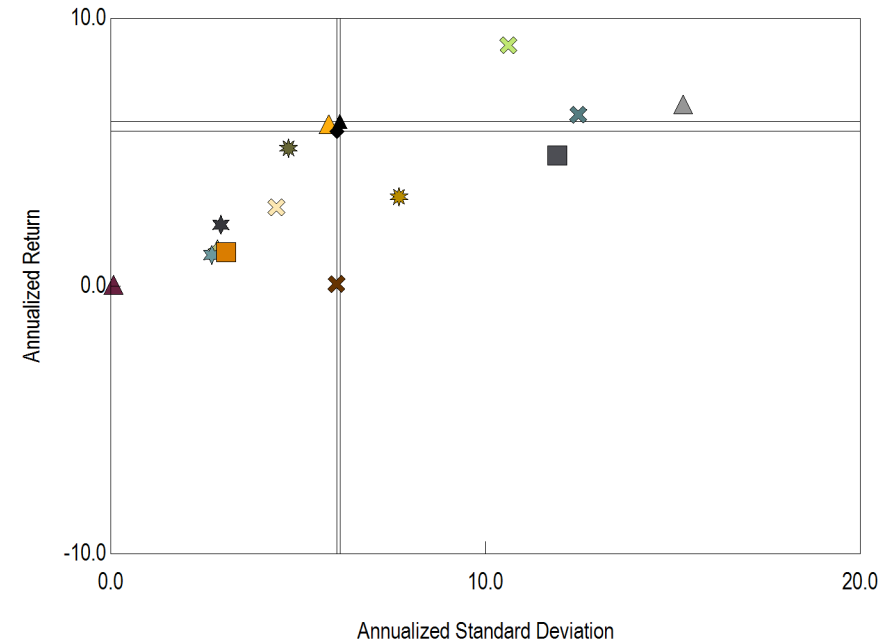
TOTAL MARKETABLE ASSETS - NET

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



- Total Marketable Assets
- ◆ Total Marketable Assets Custom Index
- ▲ Universe Median
- 68% Confidence Interval
- InvestorForce Public DB Net

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

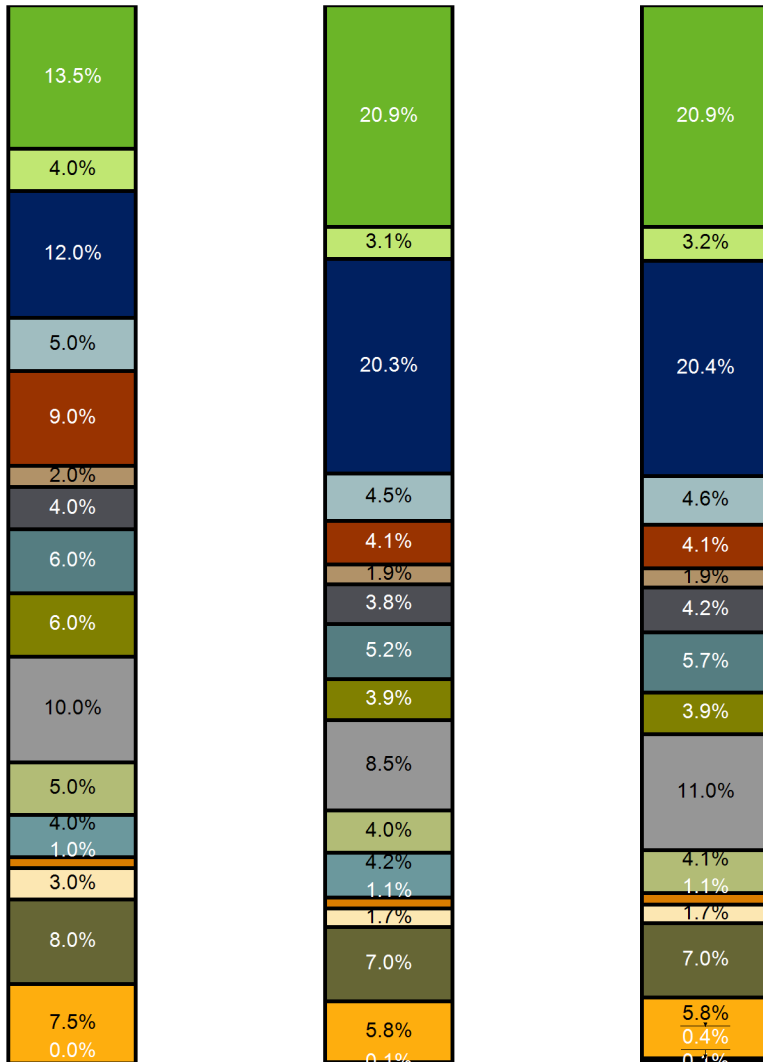


- SSgA S&P 500 Cap-Wgt
- ◆ SSgA S&P 500 Equal-Wgt
- ▲ T. Rowe
- ▲ Champlain
- ◆ Wellington
- * Acadian
- Mondrian
- * SSgA ACWI Ex US
- ▲ Aberdeen
- ◆ PIMCO Core Plus
- * SSgA Barclays Aggregate Index
- BlackRock TIPS
- ◆ KDP
- * Guggenheim
- ▲ Wellington Opportunistic EMD
- * PIMCO Unconstrained
- * Mellon Dynamic Growth
- * AQR Global Risk Premium
- ▲ Vermont Cash
- ◆ Total Marketable Assets Custom Index
- ▲ Universe Median
- 68% Confidence Interval



Vermont State Employees

TOTAL FUND ASSET ALLOCATION VS. POLICY TARGETS



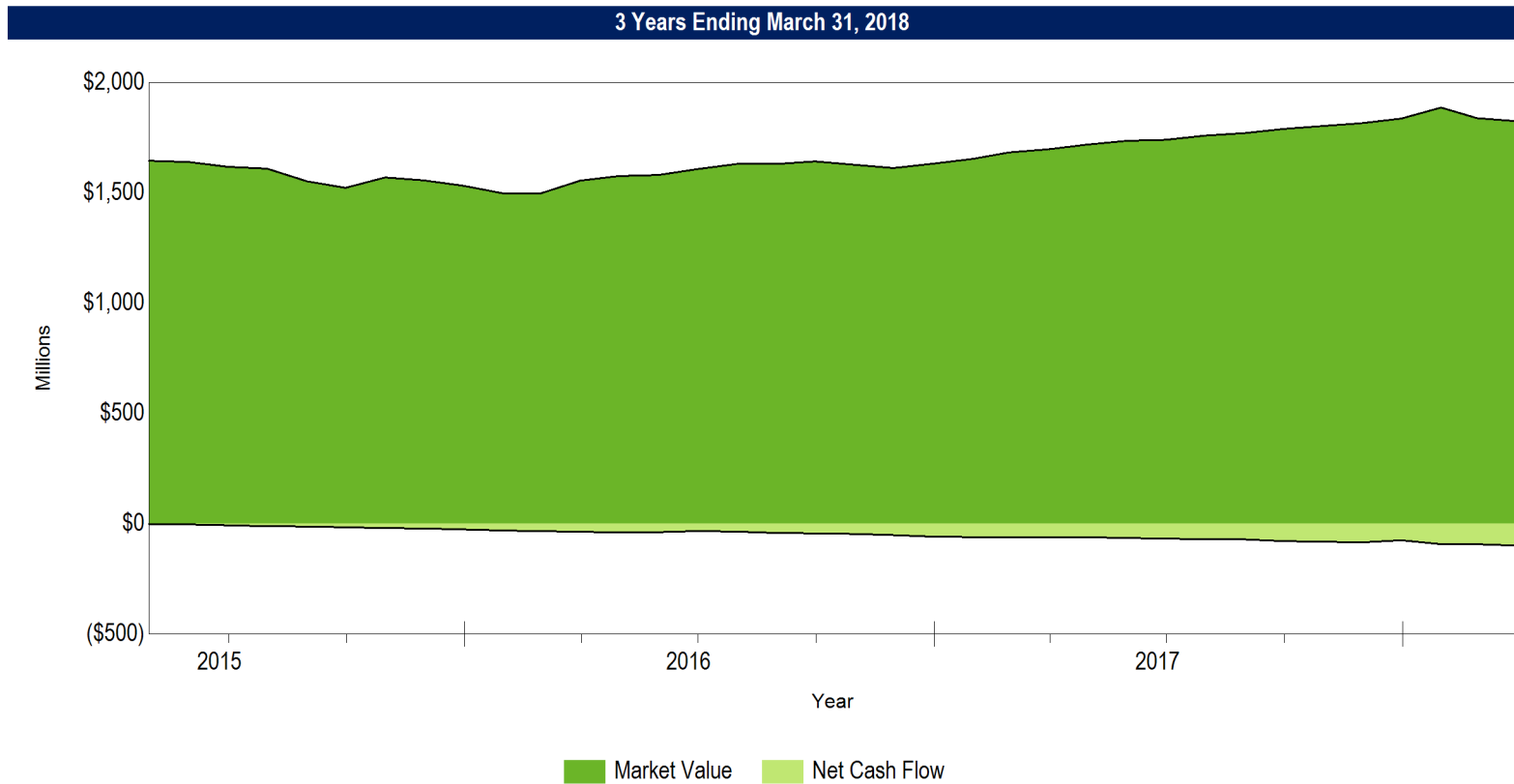
	Policy	Current	Effective Net Allocation
Large Cap Equity	13.5%	20.9%	20.9%
Small/Mid Cap Equity	4.0%	3.1%	3.2%
Non-US Equity	12.0%	20.3%	20.4%
Emerging Markets Equity	5.0%	4.5%	4.6%
Global Equity	9.0%	4.1%	4.1%
Long Treasury	2.0%	1.9%	1.9%
High Yield	4.0%	3.8%	4.2%
TIPS	6.0%	5.2%	5.7%
Unconstrained Bonds	6.0%	3.9%	3.9%
Diversified Fixed Income	10.0%	8.5%	11.0%
Emerging Market Debt	5.0%	4.0%	4.1%
Risk Parity	4.0%	4.2%	--
Private Debt	1.0%	1.1%	1.1%
Private Equity	3.0%	1.7%	1.7%
Absolute Return	8.0%	7.0%	7.0%
Real Estate	7.5%	5.8%	5.8%
Commodities	--	--	0.4%
Cash	0.0%	0.1%	0.1%
Total	100.0%	100.0%	100.0%

Effective Net Allocation breaks out the exposure of AQR Global Risk Premium. Absolute Return includes Grosvenor, Pinnacle Natural Resources, L.P., and Allianz Structured Alpha.



Vermont State Employees

TOTAL FUND ASSET GROWTH SUMMARY



	Last Three Months	Fiscal Year-To-Date	One Year	Three Years
Beginning Market Value	\$1,838,183,947	\$1,741,704,933	\$1,698,806,153	\$1,626,745,343
Contributions	\$167,503,902	\$480,885,592	\$671,126,670	\$1,206,577,818
Withdrawals	-\$191,593,479	-\$512,704,018	-\$709,250,048	-\$1,305,380,248
Net Cash Flow	-\$24,089,577	-\$31,818,426	-\$38,123,378	-\$98,802,430
Net Investment Change	\$11,959,405	\$116,167,268	\$165,370,999	\$298,110,862
Ending Market Value	\$1,826,053,775	\$1,826,053,775	\$1,826,053,775	\$1,826,053,775



Vermont State Employees

TOTAL FUND ASSET GROWTH SUMMARY BY MANAGER

	Quarter Ending March 31, 2018					Ending Market Value
	Beginning Market Value	Contributions	Withdrawals	Net Cash Flow	Net Investment Change	
Aberdeen	\$138,462,591	\$195,665	-\$60,195,665	-\$60,000,000	\$3,881,746	\$82,344,337
Acadian	\$67,108,424	\$81,699	-\$3,581,699	-\$3,500,000	-\$641,127	\$62,967,297
Allianz Structured Alpha	\$32,397,913	\$0	\$0	\$0	-\$705,889	\$31,692,023
AQR Global Risk Premium	\$77,740,628	\$76,871	-\$76,871	\$0	-\$867,795	\$76,872,834
Benefit Street Partners	\$11,750,462	\$5,034,661	\$0	\$5,034,661	\$2,808,579	\$19,593,702
BlackRock TIPS	\$95,594,232	\$15,886	-\$15,886	\$0	-\$740,869	\$94,853,364
Champlain	\$55,878,531	\$106,652	-\$1,989,658	-\$1,883,005	\$1,982,593	\$55,978,118
GAM	\$186,666	\$0	-\$166,542	-\$166,542	\$8,864	\$28,988
GAM Unconstrained Bond	\$35,569,805	\$0	-\$46,870	-\$46,870	\$302,431	\$35,825,366
Grosvenor	\$51,302,936	\$0	\$0	\$0	\$867,736	\$52,170,672
Guggenheim	\$69,288,597	\$73,744	-\$17,737,264	-\$17,663,519	-\$558,565	\$51,066,514
Harbourvest Dover IX Fund	\$3,257,989	\$772,526	-\$123,548	\$648,978	\$0	\$3,906,967
Harbourvest Dover VIII Fund	\$6,593,453	\$0	-\$2,044,850	-\$2,044,850	\$0	\$4,548,603
Harbourvest Partners IX Buyout Fund	\$6,697,759	\$258,637	\$0	\$258,637	\$0	\$6,956,396
Harbourvest Partners IX Credit Opportunities	\$979,866	\$1,568	\$0	\$1,568	\$0	\$981,433
Harbourvest Partners IX Venture Fund	\$4,927,533	\$66,660	\$0	\$66,660	\$0	\$4,994,193
Harbourvest Partners X Buyout Fund	\$3,799,246	\$384,614	\$0	\$384,614	\$0	\$4,183,860
Harbourvest Partners X Venture Fund	\$2,493,490	\$412,086	\$0	\$412,086	\$0	\$2,905,576
HIPEP VII	\$3,045,587	\$230,777	\$0	\$230,777	\$0	\$3,276,364
Hosking Global Equity	\$0	\$80,186,679	-\$49,705	\$80,136,975	-\$4,924,333	\$75,212,642
KDP	\$17,728,086	\$27,246	-\$27,246	\$0	-\$72,505	\$17,655,581
Mellon Dynamic Growth	\$50,035	\$0	-\$50,082	-\$50,082	\$65	\$19
Mondrian	\$66,767,273	\$62,767	-\$62,767	\$0	-\$1,125,778	\$65,641,495



Vermont State Employees

TOTAL FUND ASSET GROWTH SUMMARY BY MANAGER

	Quarter Ending March 31, 2018					Ending Market Value
	Beginning Market Value	Contributions	Withdrawals	Net Cash Flow	Net Investment Change	
PIMCO Core Plus	\$122,473,147	\$17,096,457	-\$96,457	\$17,000,000	-\$1,556,550	\$137,916,597
PIMCO Unconstrained	\$35,370,300	\$53,416	-\$53,416	\$0	\$112,436	\$35,482,736
Pinnacle Natural Resources, L.P.	\$43,267,460	\$0	\$0	\$0	\$1,230,263	\$44,497,723
Siguler Guff DREOF II	\$14,951,730	\$0	-\$731,166	-\$731,166	\$672,736	\$14,893,300
Siguler Guff DREOF II Co-Investment	\$5,056,530	\$692,505	\$0	\$692,505	\$85,746	\$5,834,781
SSgA ACWI Ex US	\$224,072,868	\$19,832,717	-\$41,937	\$19,790,780	-\$2,252,631	\$241,611,016
SSgA Barclays Aggregate Index	\$17,895,216	\$8,808	-\$8,808	\$0	-\$257,904	\$17,637,312
SSgA S&P 500 Cap-Wgt	\$329,116,345	\$40,232,773	-\$83,941,992	-\$43,709,219	\$15,567,189	\$300,974,315
SSgA S&P 500 Equal-Wgt	\$80,600,698	\$8,281	-\$8,281	\$0	-\$807,416	\$79,793,282
State Street Long U.S. Treasury Index	\$35,249,873	\$3,376	-\$3,376	\$0	-\$1,161,220	\$34,088,653
T. Rowe	\$1,737	\$0	\$0	\$0	\$0	\$1,737
Transwestern / Aslan III	\$102,653	\$0	\$0	\$0	\$0	\$102,653
UBS Trumbull	\$82,663,439	\$152,158	-\$152,158	\$0	\$1,558,750	\$84,222,190
Vermont Cash	\$3,068,620	\$1,434,672	-\$2,356,365	-\$921,692	\$3,700	\$2,150,627
Wellington	\$33,199	\$0	-\$30,871	-\$30,871	\$97	\$2,425
Wellington Opportunistic EMD	\$92,639,028	\$0	-\$18,000,000	-\$18,000,000	-\$1,450,944	\$73,188,084
Total	\$1,838,183,947	\$167,503,902	-\$191,593,479	-\$24,089,577	\$11,959,405	\$1,826,053,775



Vermont State Employees

TOTAL FUND PERFORMANCE DETAIL - NET

	Market Value (\$)	% of Portfolio	Policy %	3 Mo (%)	Rank	Fiscal YTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank	10 Yrs (%)	Rank
Total Employees Composite	1,826,053,775	100.0	100.0	-0.6	67	6.1	71	9.0	69	5.9	64	5.7	92	5.4	81
Policy Index				-0.5	65	6.1	71	8.8	76	5.8	67	5.8	90	5.1	87
Allocation Index				-0.6	71	6.6	51	9.4	54	5.9	63	5.9	88	5.2	84
InvestorForce Public DB < \$5 Billion Net Median				-0.3		6.6		9.6		6.1		7.2		6.0	
Total Marketable Assets	1,541,264,351	84.4	80.5	-1.1	96	5.8	80	9.1	66	5.9	66	5.5	95	--	--
Total Marketable Assets Custom Index				-0.9	89	6.1	72	9.1	66	5.8	71	5.7	92	--	--
InvestorForce Public DB Net Median				-0.3		6.6		9.7		6.2		7.3		6.0	
Total Domestic Equity	436,749,878	23.9	17.5	-0.2	43	9.6	51	12.5	51	9.8	33	--	--	--	--
Russell 3000				-0.6	49	10.5	43	13.8	43	10.2	27	13.0	30	9.6	50
eV All US Equity Net Median				-0.8		9.7		12.5		8.6		11.9		9.6	
Total Large Cap Equities	380,769,334	20.9	13.5	-0.8	49	10.2	53	13.4	50	10.4	29	13.2	33	10.1	28
S&P 500				-0.8	48	10.6	49	14.0	47	10.8	24	13.3	32	9.5	43
eV US Large Cap Equity Net Median				-0.9		10.4		13.3		9.1		12.3		9.1	
SSgA S&P 500 Cap-Wgt	300,974,315	16.5	10.0	-0.8	48	10.6	49	14.0	47	10.8	24	13.3	32	--	--
S&P 500				-0.8	48	10.6	49	14.0	47	10.8	24	13.3	32	9.5	43
SSgA S&P 500 Equal-Wgt	79,793,282	4.4	3.5	-1.0	53	9.1	63	11.8	63	9.0	52	12.8	41	10.8	16
S&P 500 Equal Weighted				-1.0	53	8.9	64	11.7	64	9.1	50	12.9	40	11.0	14
Total Small/Mid Cap Equities	55,980,544	3.1	4.0	3.4	17	8.4	62	10.2	67	9.0	32	12.2	31	10.9	31
eV US Small-Mid Cap Equity Net Median				0.0		10.0		12.7		7.8		11.2		10.2	
Champlain	55,978,118	3.1	4.0	3.4	17	9.7	47	15.0	42	12.3	5	13.9	14	--	--
Custom SMID Cap Equity Index				-0.2	45	9.1	55	11.4	55	7.9	51	11.4	59	10.2	52
eV US Mid Cap Equity Net Median				-0.5		9.3		12.3		7.9		11.7		10.3	



Vermont State Employees

TOTAL FUND PERFORMANCE DETAIL - NET

	Market Value (\$)	% of Portfolio	Policy %	3 Mo (%)	Rank	Fiscal YTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank	10 Yrs (%)	Rank
Total Non US Equity	527,776,787	28.9	26.0	-1.8	89	8.7	80	16.0	75	7.4	55	6.3	77	--	--
MSCI EAFE				-1.5	83	8.2	84	14.8	83	5.6	81	6.5	73	2.7	86
MSCI ACWI ex USA				-1.2	75	10.2	64	16.5	72	6.2	73	5.9	82	2.7	87
eV All ACWI ex-US Equity Net Median				0.0		11.7		19.4		7.6		7.7		4.3	
Total Core Non US Equity	370,219,809	20.3	12.0	-1.3	57	9.7	48	17.4	43	8.2	30	8.6	35	3.3	68
MSCI EAFE				-1.5	64	8.2	65	14.8	68	5.6	72	6.5	72	2.7	86
eV All EAFE Equity Net Median				-1.0		9.6		16.4		6.7		7.5		4.1	
Acadian	62,967,297	3.4	3.0	-1.5	63	10.6	37	22.4	22	12.5	11	11.1	14	4.0	51
Mondrian	65,641,495	3.6	3.0	-1.8	71	7.0	78	11.6	90	4.9	86	7.0	65	3.0	77
MSCI EAFE				-1.5	64	8.2	65	14.8	68	5.6	72	6.5	72	2.7	86
SSgA ACWI Ex US	241,611,016	13.2	6.0	-1.1	78	10.3	66	16.8	70	6.4	66	6.1	78	--	--
MSCI ACWI ex USA				-1.2	78	10.2	67	16.5	71	6.2	68	5.9	80	2.7	82
eV ACWI ex-US All Cap Equity Net Median				-0.1		11.6		19.2		7.6		7.9		4.3	
Total Global Equity	75,212,642	4.1	9.0	--	--	--	--	--	--	--	--	--	--	--	--
MSCI ACWI				-1.0	50	10.1	44	14.8	46	8.1	44	9.2	54	5.6	63
eV All Global Equity Net Median				-1.0		9.4		14.2		7.7		9.4		6.3	
Hosking Global Equity	75,212,642	4.1	9.0	--	--	--	--	--	--	--	--	--	--	--	--
MSCI ACWI				-1.0	50	10.1	44	14.8	46	8.1	44	9.2	54	5.6	63
eV All Global Equity Net Median				-1.0		9.4		14.2		7.7		9.4		6.3	
Total Emerging Market Equity	82,344,337	4.5	5.0	-0.8	92	8.8	93	15.7	91	6.8	82	2.8	91	--	--
Aberdeen	82,344,337	4.5	5.0	-0.8	92	8.8	93	15.7	91	6.8	82	2.8	91	6.2	13
MSCI Emerging Markets				1.4	50	17.6	45	24.9	42	8.8	54	5.0	59	3.0	75
eV Emg Mkts Equity Net Median				1.4		17.0		24.0		9.0		5.3		3.9	



Vermont State Employees

TOTAL FUND PERFORMANCE DETAIL - NET

	Market Value (\$)	% of Portfolio	Policy %	3 Mo (%)	Rank	Fiscal YTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank	10 Yrs (%)	Rank
Total Fixed Income	497,714,206	27.3	33.0	-1.1	58	1.0	32	2.5	40	3.3	24	--	--	--	--
<i>BBgBarc US Aggregate TR</i>				-1.5	76	-0.2	80	1.2	64	1.2	65	1.8	57	3.6	59
<i>eV All US Fixed Inc Net Median</i>				-0.9		0.4		1.7		1.7		2.1		4.0	
Total Diversified Fixed Income	155,553,909	8.5	10.0	-1.5	78	-0.1	76	1.5	56	1.8	48	2.7	39	4.2	45
<i>BBgBarc US Aggregate TR</i>				-1.5	76	-0.2	80	1.2	64	1.2	65	1.8	57	3.6	59
<i>eV All US Fixed Inc Net Median</i>				-0.9		0.4		1.7		1.7		2.1		4.0	
PIMCO Core Plus	137,916,597	7.6	7.0	-1.5	62	-0.1	43	1.6	33	1.4	52	1.6	79	--	--
<i>BBgBarc US Aggregate TR</i>				-1.5	57	-0.2	61	1.2	66	1.2	71	1.8	61	3.6	80
SSgA Barclays Aggregate Index	17,637,312	1.0	3.0	-1.5	61	-0.3	67	1.1	70	1.2	75	--	--	--	--
<i>BBgBarc US Aggregate TR</i>				-1.5	57	-0.2	61	1.2	66	1.2	71	1.8	61	3.6	80
<i>3-Month Libor Total Return USD</i>				0.5	1	1.2	4	1.5	39	0.9	89	0.7	99	0.7	99
<i>eV US Core Fixed Inc Net Median</i>				-1.4		-0.1		1.4		1.4		1.9		4.0	
Total TIPS	94,853,364	5.2	6.0	-0.8	49	1.3	54	0.9	55	1.3	37	0.0	47	--	--
BlackRock TIPS	94,853,364	5.2	6.0	-0.8	--	1.3	--	0.9	--	1.3	--	0.0	--	--	--
<i>BBgBarc US TIPS TR</i>				-0.8	--	1.3	--	0.9	--	1.3	--	0.0	--	2.9	--
Total High Yield Bonds	68,722,094	3.8	4.0	-0.8	54	1.7	44	3.4	59	4.7	45	4.7	38	7.5	47
<i>BBgBarc US High Yield TR</i>				-0.9	56	1.6	49	3.8	44	5.2	24	5.0	26	8.3	13
<i>eV US High Yield Fixed Inc Net Median</i>				-0.7		1.5		3.6		4.5		4.4		7.5	
KDP	17,655,581	1.0	1.0	-0.6	44	0.9	82	2.6	90	2.9	95	3.2	94	--	--
<i>BBgBarc US High Yield TR</i>				-0.9	56	1.6	49	3.8	44	5.2	24	5.0	26	8.3	13
<i>ICE BofAML BB-B US High Yield TR</i>				-1.1	72	1.2	73	3.4	58	4.7	45	4.8	33	7.4	52
Guggenheim	51,066,514	2.8	3.0	-0.9	56	1.8	40	3.5	57	5.1	25	--	--	--	--
<i>BBgBarc US High Yield TR</i>				-0.9	56	1.6	49	3.8	44	5.2	24	5.0	26	8.3	13
<i>eV US High Yield Fixed Inc Net Median</i>				-0.7		1.5		3.6		4.5		4.4		7.5	



Vermont State Employees

TOTAL FUND PERFORMANCE DETAIL - NET

	Market Value (\$)	% of Portfolio	Policy %	3 Mo (%)	Rank	Fiscal YTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank	10 Yrs (%)	Rank
Total Emerging Market Debt	73,188,084	4.0	5.0	-1.5	89	2.0	89	4.5	81	6.0	46	4.3	21	--	--
Wellington Opportunistic EMD	73,188,084	4.0	5.0	-1.5	89	2.0	89	4.5	81	6.0	46	4.3	21	--	--
JP Morgan EMBI Global Index				-1.8	96	1.1	96	3.3	96	5.5	59	3.9	33	6.8	35
eV All Emg Mkts Fixed Inc Net Median				-0.2		4.3		6.7		5.7		2.9		6.2	
Total Long Treasury	34,088,653	1.9	2.0	-3.3	--	-0.5	--	--	--	--	--	--	--	--	--
State Street Long U.S. Treasury Index	34,088,653	1.9	2.0	-3.3	--	-0.5	--	--	--	--	--	--	--	--	--
BBgBarc US Treasury Long TR				-3.3	--	-0.4	--	3.5	--	0.4	--	3.3	--	5.8	--
Total Unconstrained Fixed Income	71,308,102	3.9	6.0	0.4	60	1.5	81	3.1	80	--	--	--	--	--	--
25% HY, 25% EMD, 50% BC Agg				-1.4	93	0.6	94	2.4	86	3.3	53	3.2	42	5.7	11
BBgBarc Global Aggregate TR				1.4	20	4.3	22	7.0	21	3.1	56	1.5	86	2.6	99
eV Global Unconstrained Fixed Inc Net Median				0.6		3.1		4.6		3.4		2.6		4.4	
PIMCO Unconstrained	35,482,736	1.9	2.5	0.2	68	1.8	75	2.7	84	2.3	84	1.4	87	--	--
25% HY, 25% EMD, 50% BC Agg				-1.4	93	0.6	94	2.4	86	3.3	53	3.2	42	5.7	11
3-Month Libor Total Return USD				0.5	59	1.2	87	1.5	90	0.9	99	0.7	94	0.7	99
GAM Unconstrained Bond	35,825,366	2.0	3.5	0.7	43	1.4	84	3.4	72	--	--	--	--	--	--
3-Month LIBOR + 3%				1.2	25	3.5	38	4.6	51	4.0	30	3.7	34	3.8	66
eV Global Unconstrained Fixed Inc Net Median				0.6		3.1		4.6		3.4		2.6		4.4	
Total Risk Parity/GAA	76,872,852	4.2	4.0	-1.2	69	8.0	30	9.3	44	3.5	57	3.6	59	5.0	56
Total Risk Parity	76,872,834	4.2	4.0	-1.2	69	8.0	30	9.4	43	3.3	59	2.9	70	--	--
eV Global TAA Net Median				-0.7		6.1		8.7		3.9		4.1		5.2	
AQR Global Risk Premium	76,872,834	4.2	4.0	-1.2	69	8.0	30	9.4	43	3.3	59	2.9	70	--	--
60% MSCI World (Net) / 40% CITI WGBI				0.3	26	7.8	33	11.6	30	6.3	12	6.4	21	4.6	63
Total Cash	2,150,627	0.1	0.0												
Vermont Cash	2,150,627	0.1													



Vermont State Employees

TOTAL FUND PERFORMANCE DETAIL - NET

	Market Value (\$)	% of Portfolio	Policy %	3 Mo (%)	Rank	Fiscal YTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank	10 Yrs (%)	Rank
Total Real Estate	105,052,924	5.8	7.5	2.1	--	7.9	--	8.8	--	9.7	--	11.4	--	--	--
<i>NCREIF Property Index</i>				1.7	--	5.3	--	7.1	--	8.7	--	10.0	--	6.1	--
Total Real Estate Core	84,324,843	4.6	6.0	1.7	--	5.2	--	5.6	--	8.6	--	10.7	--	--	--
UBS Trumbull	84,222,190	4.6		1.7	--	5.2	--	6.2	--	7.6	--	8.8	--	4.5	--
Transwestern / Aslan III	102,653	0.0		0.0	--	0.0	--	0.0	--	2.1	--	5.3	--	-21.4	--
Total Real Estate Non-Core	20,728,081	1.1	1.5	3.8	--	21.8	--	25.8	--	14.8	--	--	--	--	--
Siguler Guff DREOF II	14,893,300	0.8	1.0	4.7	--	28.1	--	32.7	--	16.7	--	--	--	--	--
Siguler Guff DREOF II Co-Investment	5,834,781	0.3	0.5	1.5	--	3.9	--	6.3	--	--	--	--	--	--	--
Total Absolute Return	128,389,406	7.0	8.0	1.1	44	5.3	43	5.1	57	1.6	68	3.4	71	--	--
<i>HFRI Fund of Funds Composite Index</i>				0.3	65	4.7	52	5.6	53	1.9	64	3.4	73	1.6	88
<i>eV Alt Fund of Funds - Multi-Strategy Median</i>				0.9		4.8		5.9		2.8		4.5		3.4	
Grosvenor	52,170,672	2.9	3.0	1.7	31	5.8	37	6.3	44	2.9	46	4.7	46	--	--
Allianz Structured Alpha	31,692,023	1.7	2.0	-2.2	92	0.6	94	1.9	89	4.3	24	5.7	33	6.6	14
<i>91 Day T-Bills</i>				0.4	62	0.9	91	1.2	92	0.5	81	0.3	97	0.3	96
<i>eV Alt Fund of Funds - Multi-Strategy Median</i>				0.9		4.8		5.9		2.8		4.5		3.4	
Pinnacle Natural Resources, L.P.	44,497,723	2.4	3.0	2.8	--	8.2	--	4.9	--	--	--	--	--	--	--
<i>Bloomberg Commodity Index</i>				-0.4	--	6.9	--	3.7	--	-3.2	--	-8.3	--	-7.7	--
Total Private Debt	19,593,702	1.1	1.0	19.4	--	--	--	--	--	--	--	--	--	--	--
<i>S&P/LSTA Leveraged Loan TR</i>				1.4	--	3.6	--	4.4	--	4.2	--	3.9	--	5.6	--
Benefit Street Partners	19,593,702	1.1	1.0	19.4	--	--	--	--	--	--	--	--	--	--	--
<i>Cambridge Associates US All PE (1 Qtr Lag)</i>				5.3	--	13.2	--	17.6	--	12.0	--	13.6	--	9.8	--
Total Private Equity	31,753,392	1.7	3.0	0.0	--	7.4	--	14.2	--	12.9	--	15.6	--	--	--
<i>Cambridge Associates US All PE</i>				0.0	--	9.3	--	13.2	--	11.0	--	12.6	--	10.0	--

Real Estate performance reported on a quarterly basis. NCREIF Property is available 25 days after quarter end.

Real Estate values are preliminary as of 03/31/2018.

Absolute Return composite formerly shown as Hedge Funds composite. As of 04/01/2016, Absolute Return includes Allianz Structured Alpha.

Allianz Structured Alpha was included Diversified Fixed income composite prior to 04/01/2016.

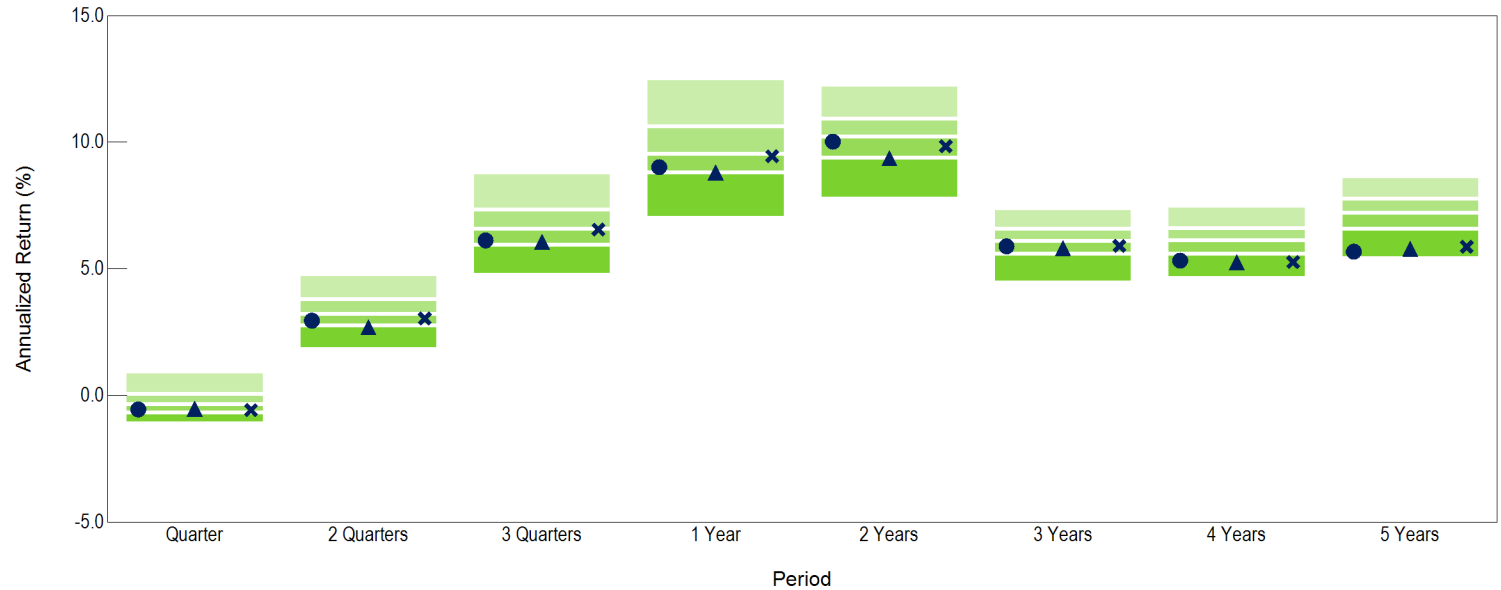
Harbourvest values based on final Capital Account Statements for Q4 2017, and cash adjusted through Q1 2018.



Vermont State Employees

TOTAL FUND RETURN SUMMARY VS. PEER UNIVERSE - NET

Total Employees Composite vs. InvestorForce Public DB < \$5 Billion Net



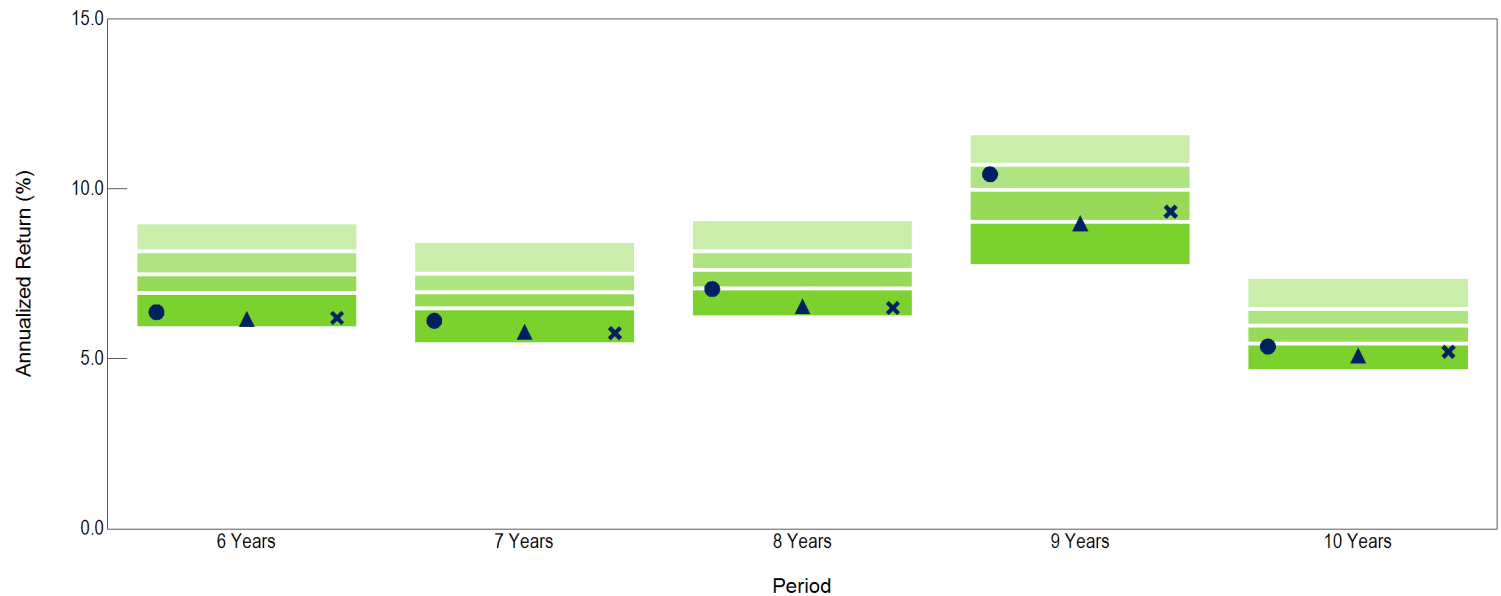
	Return (Rank)															
5th Percentile	0.9		4.8		8.8		12.5		12.3		7.4		7.5		8.7	
25th Percentile	0.1		3.8		7.4		10.6		11.0		6.6		6.6		7.8	
Median	-0.3		3.2		6.6		9.6		10.2		6.1		6.1		7.2	
75th Percentile	-0.7		2.8		6.0		8.8		9.4		5.6		5.6		6.6	
95th Percentile	-1.1		1.8		4.8		7.0		7.8		4.5		4.7		5.4	
# of Portfolios	239		239		238		238		233		229		219		208	
● Total Employees Composite	-0.6	(67)	3.0	(66)	6.1	(71)	9.0	(69)	10.0	(57)	5.9	(64)	5.3	(84)	5.7	(92)
▲ Policy Index	-0.5	(65)	2.7	(79)	6.1	(71)	8.8	(76)	9.4	(76)	5.8	(67)	5.3	(85)	5.8	(90)
× Allocation Index	-0.6	(71)	3.0	(62)	6.6	(51)	9.4	(54)	9.8	(64)	5.9	(63)	5.3	(85)	5.9	(88)



Vermont State Employees

TOTAL FUND RETURN SUMMARY VS. PEER UNIVERSE - NET

Total Employees Composite vs. InvestorForce Public DB < \$5 Billion Net



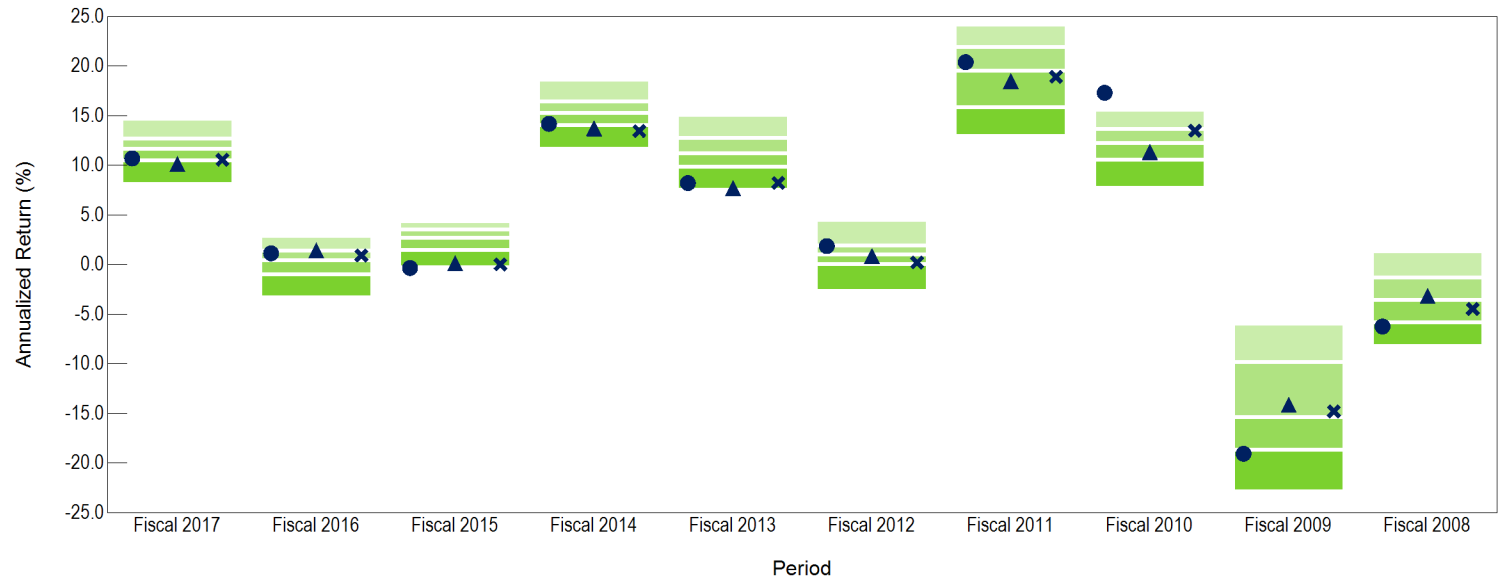
	Return (Rank)									
5th Percentile	9.0		8.5		9.1		11.6		7.4	
25th Percentile	8.2		7.5		8.2		10.7		6.5	
Median	7.5		7.0		7.6		10.0		6.0	
75th Percentile	7.0		6.5		7.1		9.0		5.5	
95th Percentile	5.9		5.4		6.2		7.8		4.6	
# of Portfolios	197		178		172		161		159	
● Total Employees Composite	6.4	(89)	6.1	(85)	7.1	(78)	10.4	(37)	5.4	(81)
▲ Policy Index	6.2	(94)	5.8	(92)	6.5	(93)	9.0	(77)	5.1	(87)
× Allocation Index	6.2	(93)	5.8	(92)	6.5	(93)	9.3	(67)	5.2	(84)



Vermont State Employees

TOTAL FUND RETURN SUMMARY VS. PEER UNIVERSE - NET

Total Employees Composite vs. InvestorForce Public DB < \$5 Billion Net



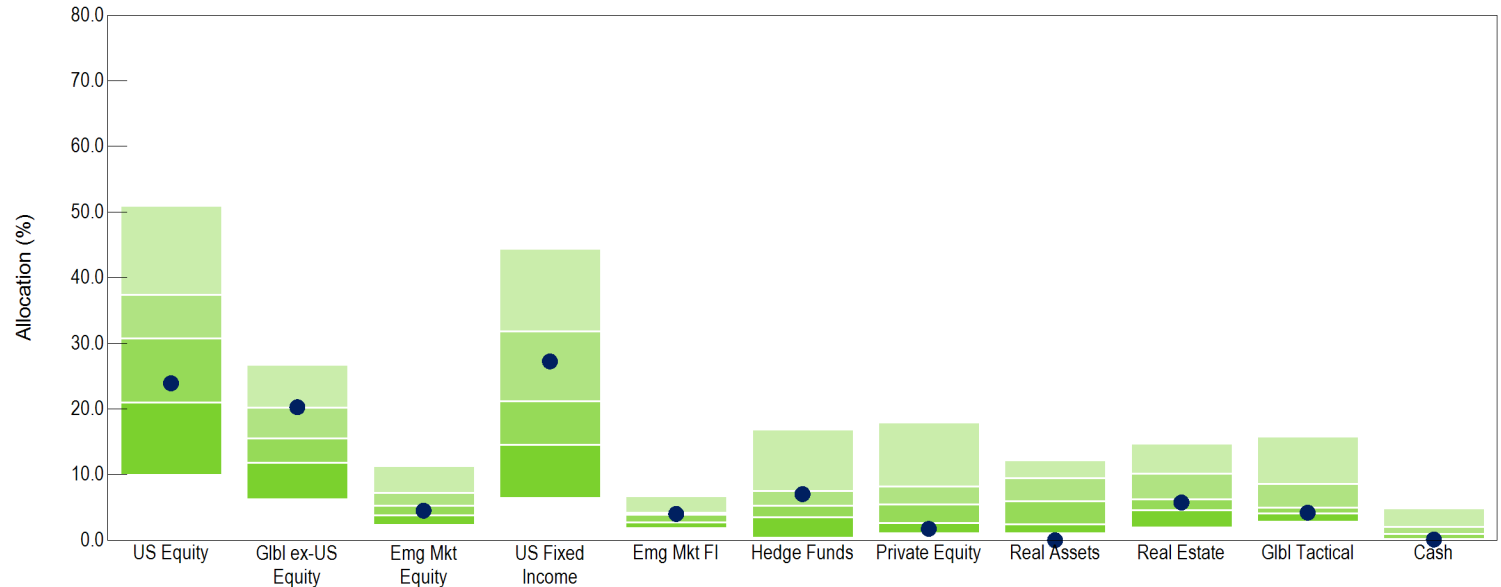
	Return (Rank)																			
5th Percentile	14.7	2.8	4.4	18.6	15.1	4.5	24.2	15.5	-6.0	1.3										
25th Percentile	12.8	1.4	3.6	16.5	12.8	2.0	21.9	13.7	-9.8	-1.3										
Median	11.7	0.5	2.7	15.3	11.2	1.0	19.6	12.3	-15.3	-3.5										
75th Percentile	10.6	-0.9	1.5	14.1	9.9	0.1	15.9	10.6	-18.7	-5.8										
95th Percentile	8.2	-3.3	-0.2	11.7	7.5	-2.6	13.0	7.7	-22.8	-8.2										
# of Portfolios	259	239	212	156	139	132	124	116	113	109										
● Total Employees Composite	10.7	(71)	1.1	(32)	-0.3	(96)	14.2	(72)	8.2	(95)	1.9	(29)	20.4	(39)	17.3	(1)	-19.1	(78)	-6.3	(77)
▲ Policy Index	10.1	(81)	1.4	(25)	0.1	(94)	13.7	(83)	7.7	(95)	0.8	(55)	18.5	(60)	11.3	(65)	-14.1	(43)	-3.2	(47)
× Allocation Index	10.5	(76)	0.9	(37)	0.0	(95)	13.4	(89)	8.2	(95)	0.2	(72)	18.9	(57)	13.5	(29)	-14.8	(47)	-4.5	(62)



Vermont State Employees

TOTAL FUND ALLOCATION VS. PEER UNIVERSE - NET

Total Plan Allocation vs. InvestorForce Public DB < \$5 Billion Net
As of March 31, 2018



	Allocation (Rank)											
5th Percentile	51.0	26.7	11.3	44.4	6.8	16.9	17.9	12.2	14.8	15.8	4.9	--
25th Percentile	37.5	20.3	7.3	32.0	4.2	7.6	8.3	9.5	10.2	8.7	2.2	--
Median	30.9	15.6	5.4	21.3	4.0	5.4	5.5	6.0	6.4	5.1	1.0	--
75th Percentile	21.1	11.9	3.9	14.6	2.9	3.6	2.7	2.5	4.7	4.2	0.3	--
95th Percentile	10.1	6.3	2.4	6.6	1.9	0.5	1.2	1.1	2.0	2.9	0.0	--
# of Portfolios	163	183	114	156	31	69	92	53	138	49	207	--
● Total Employees Composite	23.9 (65)	20.3 (26)	4.5 (69)	27.3 (36)	4.0 (41)	7.0 (32)	1.7 (86)	0.0 (99)	5.8 (57)	4.2 (73)	0.1 (86)	--

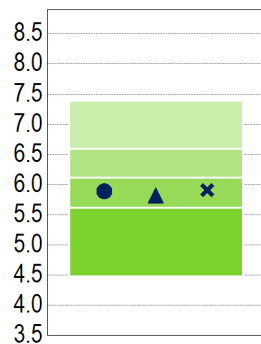


Vermont State Employees

TOTAL FUND RISK STATISTICS VS. PEER UNIVERSE - NET

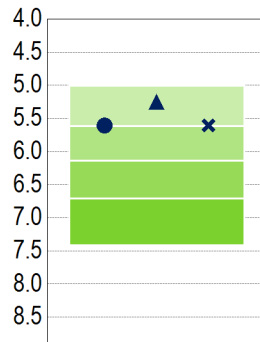
Employees Composite vs. IFx Public DB <\$5B Net 3 Years

Anlzd Return Anlzd Standard Deviation Anlzd Alpha Sharpe Ratio



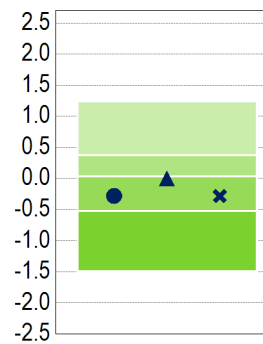
● Total Employees Composite	
Value	5.89
Rank	64
▲ Policy Index	
Value	5.82
Rank	67
× Allocation Index	
Value	5.91
Rank	63

Universe	
5th %tile	7.39
25th %tile	6.60
Median	6.13
75th %tile	5.62
95th %tile	4.49



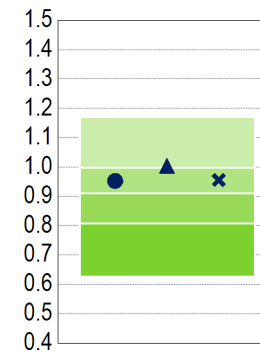
● Total Employees Composite	
Value	5.61
Rank	25
▲ Policy Index	
Value	5.25
Rank	13
× Allocation Index	
Value	5.61
Rank	25

Universe	
5th %tile	5.01
25th %tile	5.61
Median	6.13
75th %tile	6.70
95th %tile	7.40



● Total Employees Composite	
Value	-0.28
Rank	66
▲ Policy Index	
Value	0.00
Rank	52
× Allocation Index	
Value	-0.28
Rank	66

Universe	
5th %tile	1.24
25th %tile	0.38
Median	0.04
75th %tile	-0.51
95th %tile	-1.49



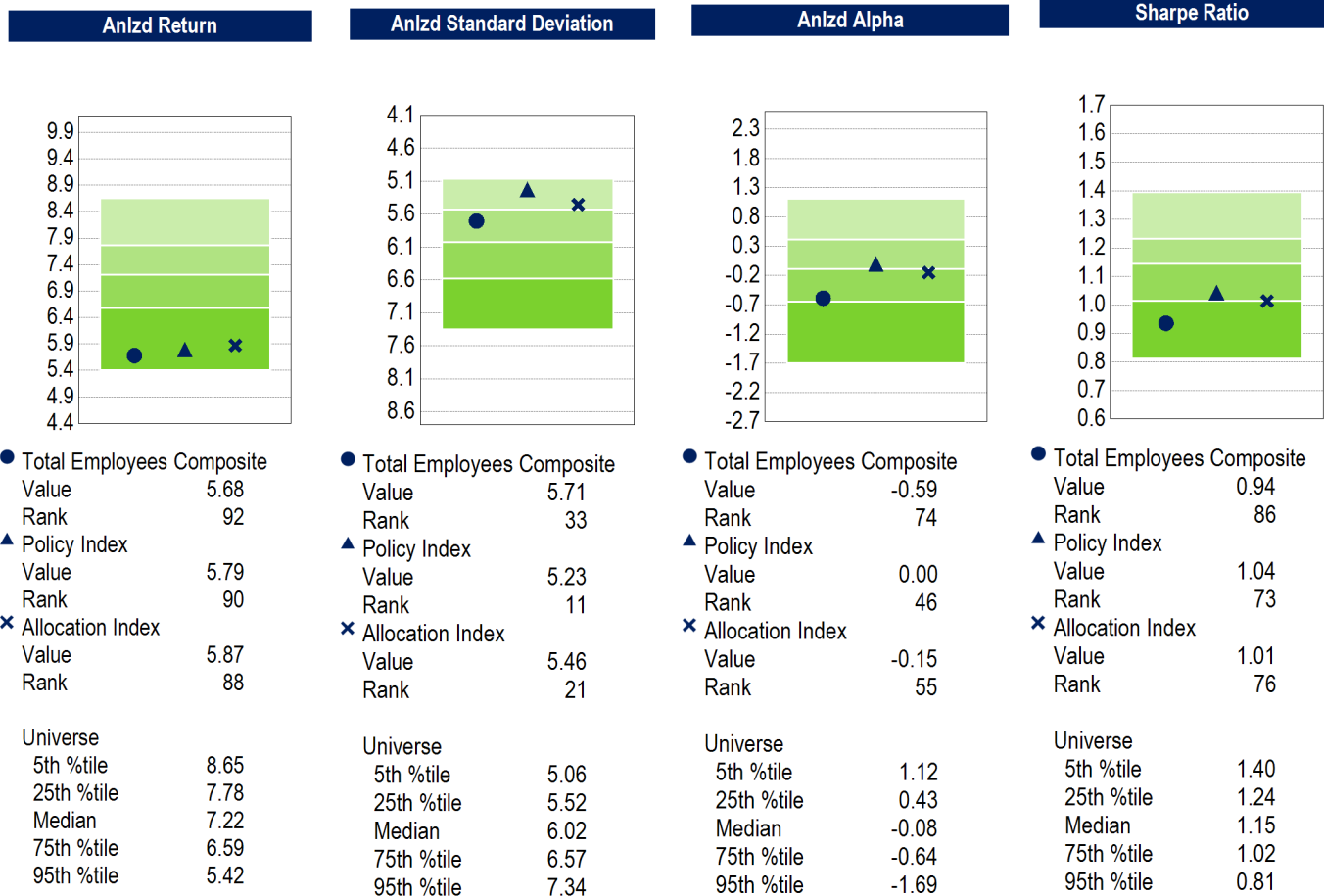
● Total Employees Composite	
Value	0.95
Rank	38
▲ Policy Index	
Value	1.00
Rank	25
× Allocation Index	
Value	0.96
Rank	36

Universe	
5th %tile	1.17
25th %tile	1.00
Median	0.91
75th %tile	0.81
95th %tile	0.63



TOTAL FUND RISK STATISTICS VS. PEER UNIVERSE - NET

Employees Composite vs. IFx Public DB <\$5B Net 5 Years

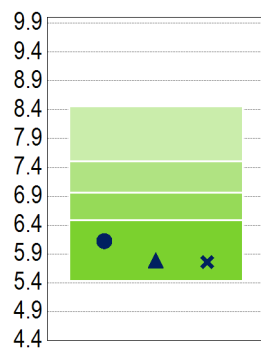


Vermont State Employees

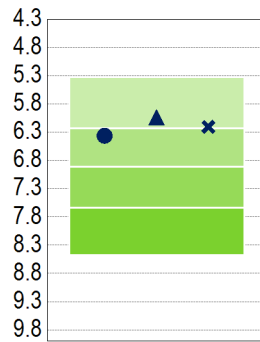
TOTAL FUND RISK STATISTICS VS. PEER UNIVERSE - NET

Employees Composite vs. IFx Public DB <\$5B Net 7 Years

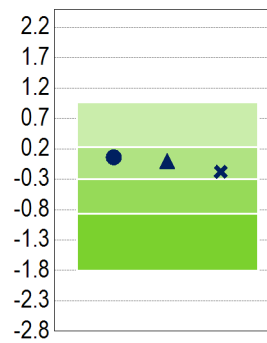
Anlzd Return Anlzd Standard Deviation Anlzd Alpha Sharpe Ratio



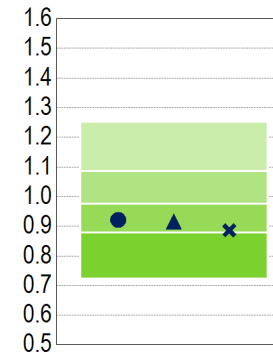
● Total Employees Composite	
Value	6.12
Rank	85
▲ Policy Index	
Value	5.79
Rank	92
× Allocation Index	
Value	5.76
Rank	92
Universe	
5th %tile	8.46
25th %tile	7.52
Median	6.97
75th %tile	6.50
95th %tile	5.44



● Total Employees Composite	
Value	6.37
Rank	33
▲ Policy Index	
Value	6.04
Rank	19
× Allocation Index	
Value	6.21
Rank	25
Universe	
5th %tile	5.33
25th %tile	6.22
Median	6.90
75th %tile	7.63
95th %tile	8.47



● Total Employees Composite	
Value	0.06
Rank	35
▲ Policy Index	
Value	0.00
Rank	38
× Allocation Index	
Value	-0.18
Rank	46
Universe	
5th %tile	0.97
25th %tile	0.24
Median	-0.28
75th %tile	-0.85
95th %tile	-1.80



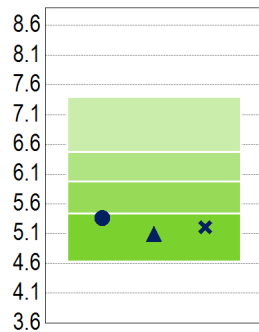
● Total Employees Composite	
Value	0.92
Rank	67
▲ Policy Index	
Value	0.92
Rank	70
× Allocation Index	
Value	0.89
Rank	75
Universe	
5th %tile	1.25
25th %tile	1.09
Median	0.98
75th %tile	0.88
95th %tile	0.72



TOTAL FUND RISK STATISTICS VS. PEER UNIVERSE - NET

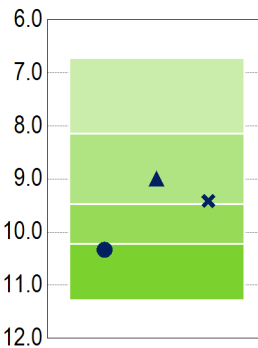
Employees Composite vs. IFx Public DB <\$5B Net 10 Years

Anlzd Return



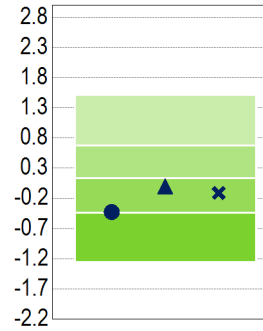
● Total Employees Composite	
Value	5.36
Rank	81
▲ Policy Index	
Value	5.10
Rank	87
× Allocation Index	
Value	5.21
Rank	84
Universe	
5th %tile	7.40
25th %tile	6.48
Median	5.99
75th %tile	5.45
95th %tile	4.65

Anlzd Standard Deviation



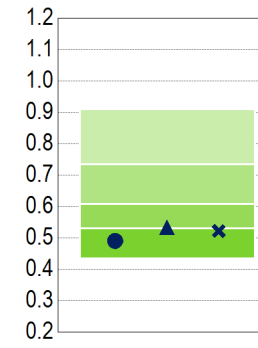
● Total Employees Composite	
Value	10.33
Rank	82
▲ Policy Index	
Value	9.00
Rank	41
× Allocation Index	
Value	9.42
Rank	49
Universe	
5th %tile	6.72
25th %tile	8.14
Median	9.46
75th %tile	10.21
95th %tile	11.27

Anlzd Alpha



● Total Employees Composite	
Value	-0.43
Rank	75
▲ Policy Index	
Value	0.00
Rank	57
× Allocation Index	
Value	-0.11
Rank	61
Universe	
5th %tile	1.51
25th %tile	0.68
Median	0.15
75th %tile	-0.43
95th %tile	-1.24

Sharpe Ratio

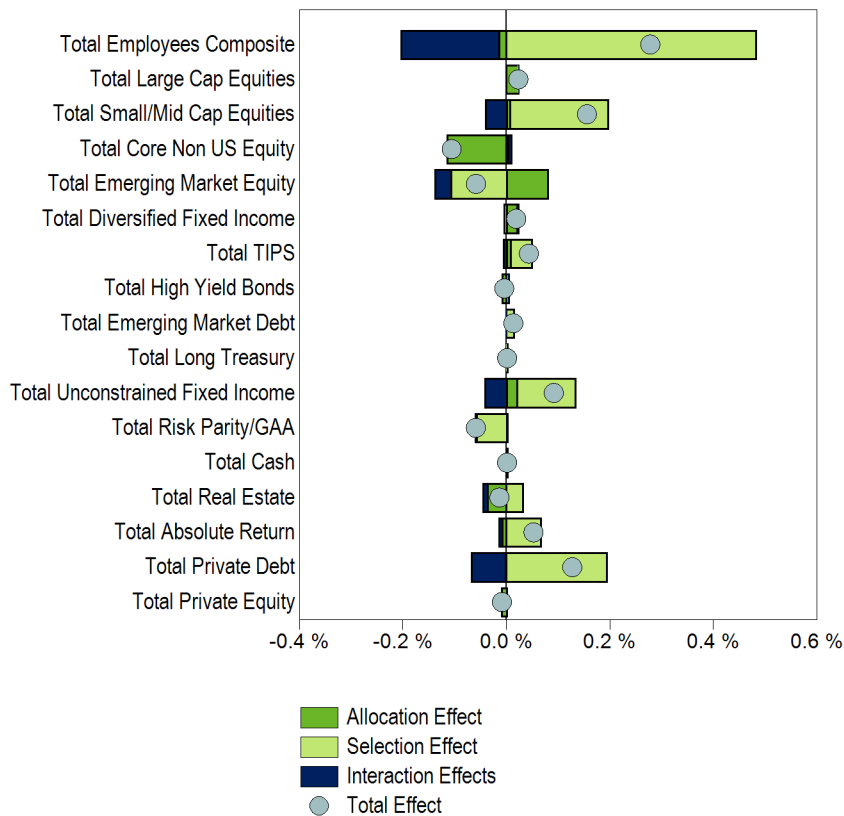


● Total Employees Composite	
Value	0.49
Rank	86
▲ Policy Index	
Value	0.53
Rank	75
× Allocation Index	
Value	0.52
Rank	78
Universe	
5th %tile	0.91
25th %tile	0.74
Median	0.61
75th %tile	0.53
95th %tile	0.44

Vermont State Employees

TOTAL FUND ATTRIBUTION ANALYSIS - NET

Attribution Effects Relative to Policy Index 3 Months Ending March 31, 2018



Attribution Summary 3 Months Ending March 31, 2018							
	Wtd. Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Interaction Effects	Total Effects
Total Large Cap Equities	-0.8%	-0.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Small/Mid Cap Equities	3.4%	-1.4%	4.8%	0.2%	0.0%	0.0%	0.2%
Total Core Non US Equity	-1.3%	-1.4%	0.0%	0.0%	-0.1%	0.0%	-0.1%
Total Emerging Market Equity	-0.8%	1.4%	-2.2%	-0.1%	0.1%	0.0%	-0.1%
Total Diversified Fixed Income	-1.5%	-1.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Total TIPS	-0.8%	-1.5%	0.7%	0.0%	0.0%	0.0%	0.0%
Total High Yield Bonds	-0.8%	-0.9%	0.1%	0.0%	0.0%	0.0%	0.0%
Total Emerging Market Debt	-1.5%	-1.8%	0.3%	0.0%	0.0%	0.0%	0.0%
Total Long Treasury	-3.3%	-3.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Unconstrained Fixed Income	0.4%	-1.5%	1.9%	0.1%	0.0%	0.0%	0.1%
Total Risk Parity/GAA	-1.2%	0.3%	-1.5%	-0.1%	0.0%	0.0%	-0.1%
Total Cash	0.1%	0.4%	-0.3%	0.0%	0.0%	0.0%	0.0%
Total Real Estate	2.1%	1.7%	0.4%	0.0%	0.0%	0.0%	0.0%
Total Absolute Return	1.1%	0.3%	0.8%	0.1%	0.0%	0.0%	0.1%
Total Private Debt	19.4%	0.0%	19.4%	0.2%	0.0%	-0.1%	0.1%
Total Private Equity	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	-0.3%	-0.6%	0.2%	0.5%	0.0%	-0.2%	0.3%

Note: Plan attribution calculations are returns based and the results shown reflect the composites shown. As a result, the total returns shown may vary from the calculated returns shown on the performance report.

The target return shown for each composite is a custom index, based on aggregated policy indices. This policy index asset weights the underlying policy indices of each option in the plan and the respective benchmark.

The allocation, selection, and interaction effects are calculated using the custom index described above along with the policy or target weight of each composite.

May not add up due to rounding.

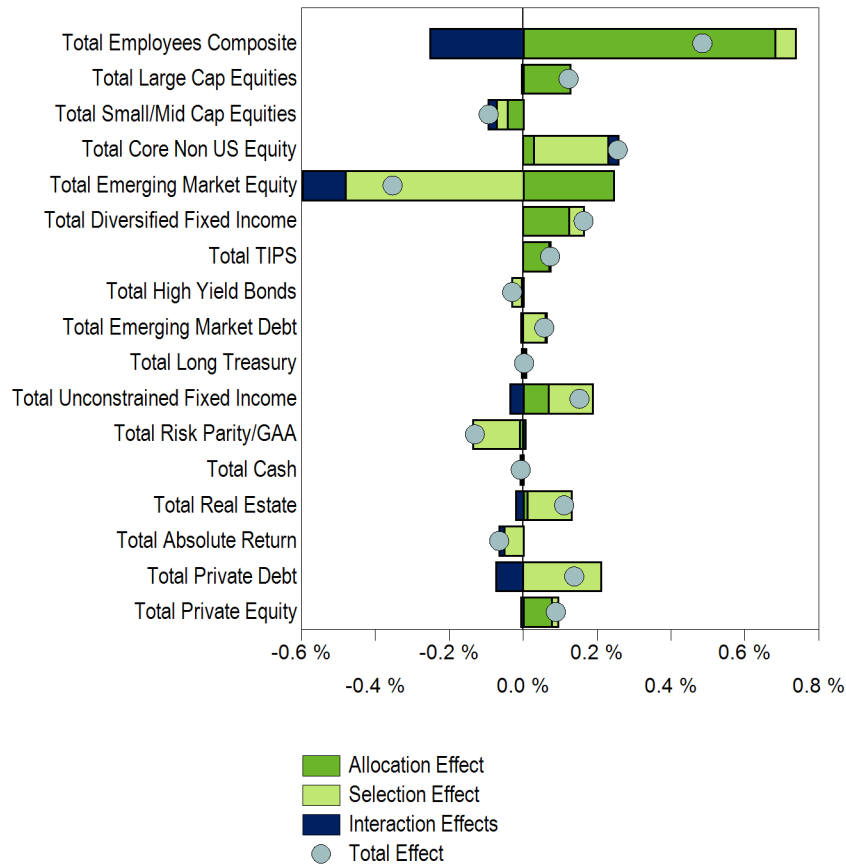
Absolute Return's Wtd. index Return is calculated using a weighting of the respective benchmarks for each underlying strategy part of the composite.



Vermont State Employees

TOTAL FUND ATTRIBUTION ANALYSIS - NET

Attribution Effects Relative to Policy Index
1 Year Ending March 31, 2018



Attribution Summary 1 Year Ending March 31, 2018							
	Wtd. Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Interaction Effects	Total Effects
Total Large Cap Equities	13.4%	13.4%	0.0%	0.0%	0.1%	0.0%	0.1%
Total Small/Mid Cap Equities	10.2%	8.9%	1.3%	0.0%	0.0%	0.0%	-0.1%
Total Core Non US Equity	17.4%	15.6%	1.8%	0.2%	0.0%	0.0%	0.3%
Total Emerging Market Equity	15.7%	24.9%	-9.2%	-0.5%	0.2%	-0.1%	-0.4%
Total Diversified Fixed Income	1.5%	1.2%	0.3%	0.0%	0.1%	0.0%	0.2%
Total TIPS	0.9%	1.2%	-0.3%	0.0%	0.1%	0.0%	0.1%
Total High Yield Bonds	3.4%	3.8%	-0.4%	0.0%	0.0%	0.0%	0.0%
Total Emerging Market Debt	4.5%	3.3%	1.2%	0.1%	0.0%	0.0%	0.1%
Total Long Treasury	--	--	--	0.0%	0.0%	0.0%	0.0%
Total Unconstrained Fixed Income	3.1%	1.2%	1.9%	0.1%	0.1%	0.0%	0.2%
Total Risk Parity/GAA	9.3%	11.6%	-2.3%	-0.1%	0.0%	0.0%	-0.1%
Total Cash	0.1%	1.2%	-1.0%	0.0%	0.0%	0.0%	0.0%
Total Real Estate	8.8%	7.1%	1.7%	0.1%	0.0%	0.0%	0.1%
Total Absolute Return	5.1%	5.7%	-0.6%	-0.1%	0.0%	0.0%	-0.1%
Total Private Debt	--	--	--	0.2%	0.0%	-0.1%	0.1%
Total Private Equity	14.2%	13.2%	1.0%	0.0%	0.1%	0.0%	0.1%
Total	9.3%	8.8%	0.5%	0.1%	0.7%	-0.3%	0.5%

Note: Plan attribution calculations are returns based and the results shown reflect the composites shown. As a result, the total returns shown may vary from the calculated returns shown on the performance report.

The target return shown for each composite is a custom index, based on aggregated policy indices. This policy index asset weights the underlying policy indices of each option in the plan and the respective benchmark.

The allocation, selection, and interaction effects are calculated using the custom index described above along with the policy or target weight of each composite.

May not add up due to rounding.

Absolute Return's Wtd. index Return is calculated using a weighting of the respective benchmarks for each underlying strategy part of the composite.



ANALYTICS DEFINITIONS

Asset Allocation Effect - Measures VPIC's ability to effectively allocate their portfolio's assets to various asset classes. The allocation effect determines whether the overweighting or underweighting of asset classes relative to a benchmark contributes positively or negatively to the overall portfolio return. Positive allocation occurs when the portfolio is overweighted in an asset class that outperforms the benchmark. Negative allocation occurs when the portfolio is overweighted in an asset class that underperforms the benchmark and underweighted in an asset class that outperforms the benchmark.

Selection Effect - Measures VPIC's ability to select managers within a given asset class relative to a benchmark. The over or underperformance of the portfolio is weighted by the benchmark weight, therefore, selection is not affected by VPIC's allocation to the asset class. The weight of the manager in the portfolio determines the size of the effect -- the larger the manager, the larger the effect is, positive or negative.

Interaction Effect - The interaction effect measures the combined impact of VPIC's manager selection and manager allocation decisions within an asset class. For example, if VPIC had superior manager selection and overweighted that particular asset class, the interaction effect is positive. If VPIC had superior manager selection, but underweighted that asset class, the interaction effect is negative. In this case, VPIC did not take advantage of the superior manager selection by allocating more assets to that asset class.



Vermont State Employees

RISK STATISTICS - 3 YEARS

	% of Tot	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Anlzd AJ	Rank	Sharpe Ratio	Rank	Sortino Ratio RF	Rank	Tracking Error	Rank
Total Employees Composite	100.00%	5.89%	64	5.61%	25	-0.25%	63	0.95	38	1.47	25	0.77%	24
Policy Index	--	5.82%	67	5.25%	13	0.00%	51	1.00	25	1.61	9	0.00%	1
Total Domestic Equity	23.92%	9.81%	33	10.34%	24	-0.33%	36	0.90	25	1.34	30	1.25%	1
Russell 3000	--	10.22%	27	10.36%	24	0.00%	32	0.93	20	1.45	21	0.00%	1
Total Large Cap Equities	20.85%	10.35%	29	10.29%	37	-0.44%	34	0.95	26	1.57	19	0.73%	1
S&P 500	--	10.78%	24	10.26%	35	0.00%	28	1.00	19	1.53	23	0.00%	1
Total Small/Mid Cap Equities	3.07%	8.97%	32	11.29%	30	2.29%	32	0.75	30	1.22	19	3.98%	17
Small/Mid Cap Index	--	7.88%	50	12.90%	73	0.00%	64	0.57	55	0.92	49	0.00%	1
Total Core Non US Equity	20.27%	8.22%	30	11.58%	44	3.00%	32	0.66	32	1.05	30	1.94%	7
MSCI EAFE	--	5.55%	72	12.25%	73	0.00%	80	0.41	78	0.63	75	0.00%	1
Total Emerging Market Equity	4.51%	6.78%	82	15.27%	54	-1.01%	80	0.41	86	0.82	66	5.40%	66
MSCI Emerging Markets	--	8.81%	54	16.46%	82	0.00%	66	0.50	61	0.97	50	0.00%	1
Total Fixed Income	27.26%	3.26%	24	3.01%	65	2.12%	24	0.90	22	1.27	25	1.77%	41
BBgBarc US Aggregate TR	--	1.20%	65	2.69%	57	0.00%	77	0.24	74	0.31	75	0.00%	1
Total Diversified Fixed Income	8.52%	1.79%	48	3.49%	72	0.43%	54	0.36	61	0.42	64	1.15%	25
BBgBarc US Aggregate TR	--	1.20%	65	2.69%	57	0.00%	77	0.24	74	0.31	75	0.00%	1
Total Unconstrained Fixed Income	3.91%	--	--	--	--	--	--	--	--	--	--	--	--
25% HY, 25% EMD, 50% BC Agg	--	3.28%	53	3.47%	48	0.00%	74	0.79	53	1.23	51	0.00%	1
Total High Yield Bonds	3.76%	4.74%	45	4.64%	46	0.44%	45	0.90	46	1.50	50	1.43%	29
BBgBarc US High Yield TR	--	5.17%	24	5.60%	85	0.00%	66	0.83	60	1.52	47	0.00%	1
Total TIPS	5.19%	1.26%	37	3.08%	56	-0.04%	42	0.23	42	0.44	37	0.14%	6
BBgBarc US TIPS TR	--	1.30%	34	3.08%	56	0.00%	39	0.24	40	0.46	34	0.00%	1
Total Emerging Market Debt	4.01%	6.04%	46	5.81%	33	0.53%	38	0.94	34	1.44	34	1.21%	6
JP Morgan EMBI Global Index	--	5.48%	59	5.65%	29	0.00%	48	0.87	42	1.30	40	0.00%	1
Total Real Estate	5.75%	9.71%	--	4.45%	--	0.90%	--	0.40	--	0.36	--	1.81%	--
NCREIF Property Index	--	8.73%	--	3.68%	--	0.00%	--	0.21	--	0.16	--	0.00%	--
Total Absolute Return	7.03%	1.57%	68	3.36%	30	-0.03%	69	0.30	65	0.35	68	1.89%	14
HFRI Fund of Funds Composite Index	--	1.87%	64	3.58%	34	0.00%	67	0.37	59	0.45	63	0.00%	1
Total Risk Parity/GAA	4.21%	3.47%	57	7.13%	58	-1.71%	59	0.41	57	0.65	49	4.60%	56
60% MSCI World (Net) / 40% CITI WGBI	--	6.31%	12	6.98%	57	0.00%	16	0.83	9	1.46	4	0.00%	1



Vermont State Employees

RISK STATISTICS - 5 YEARS

	% of Tot	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Anlzd AJ	Rank	Sharpe Ratio	Rank	Sortino Ratio RF	Rank	Tracking Error	Rank
Total Employees Composite	100.00%	5.68%	92	5.71%	33	-0.56%	74	0.94	86	1.64	74	0.86%	29
Policy Index	--	5.79%	90	5.23%	11	0.00%	46	1.04	73	1.85	53	0.00%	1
Total Domestic Equity	23.92%	--	--	--	--	--	--	--	--	--	--	--	--
Russell 3000	--	13.03%	30	10.00%	18	0.00%	31	1.27	16	2.25	16	0.00%	1
Total Large Cap Equities	20.85%	13.21%	33	9.92%	28	-0.14%	37	1.30	23	2.41	18	0.69%	1
S&P 500	--	13.31%	32	9.87%	26	0.00%	34	1.31	20	2.33	22	0.00%	1
Total Small/Mid Cap Equities	3.07%	12.16%	31	11.56%	35	--	--	1.02	28	1.94	13	--	--
Small/Mid Cap Index	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Core Non US Equity	20.27%	8.56%	35	11.51%	47	2.35%	35	0.71	31	1.35	23	1.99%	7
MSCI EAFE	--	6.50%	72	11.91%	71	0.00%	81	0.52	75	0.92	73	0.00%	1
Total Emerging Market Equity	4.51%	2.79%	91	14.90%	71	-1.92%	91	0.16	91	0.32	87	4.95%	61
MSCI Emerging Markets	--	4.99%	59	14.97%	73	0.00%	67	0.31	61	0.55	53	0.00%	1
Total Fixed Income	27.26%	--	--	--	--	--	--	--	--	--	--	--	--
BBgBarc US Aggregate TR	--	1.82%	57	2.93%	55	0.00%	74	0.51	69	0.72	67	0.00%	1
Total Diversified Fixed Income	8.52%	2.70%	39	4.27%	78	0.26%	59	0.55	64	0.78	61	1.57%	36
BBgBarc US Aggregate TR	--	1.82%	57	2.93%	55	0.00%	74	0.51	69	0.72	67	0.00%	1
Total Unconstrained Fixed Income	3.91%	--	--	--	--	--	--	--	--	--	--	--	--
25% HY, 25% EMD, 50% BC Agg	--	3.16%	42	3.75%	58	0.00%	75	0.75	49	1.10	52	0.00%	1
Total High Yield Bonds	3.76%	4.70%	38	4.35%	28	0.60%	34	1.00	36	1.63	48	1.38%	38
BBgBarc US High Yield TR	--	4.99%	26	5.25%	78	0.00%	63	0.89	58	1.64	48	0.00%	1
Total TIPS	5.19%	-0.01%	47	4.55%	71	-0.05%	42	-0.08	39	-0.10	40	0.17%	1
BBgBarc US TIPS TR	--	0.05%	41	4.51%	62	0.00%	36	-0.07	35	-0.08	36	0.00%	1
Total Emerging Market Debt	4.01%	4.30%	21	6.53%	35	0.53%	28	0.61	27	0.84	21	1.13%	5
JP Morgan EMBI Global Index	--	3.86%	33	6.61%	36	0.00%	36	0.53	33	0.72	38	0.00%	1
Total Real Estate	5.75%	11.36%	--	4.95%	--	1.35%	--	0.30	--	0.33	--	1.71%	--
NCREIF Property Index	--	10.00%	--	4.16%	--	0.00%	--	0.03	--	0.03	--	0.00%	--
Total Absolute Return	7.03%	3.43%	71	3.45%	33	0.39%	67	0.90	59	1.30	57	1.71%	8
HFRI Fund of Funds Composite Index	--	3.38%	73	3.39%	33	0.00%	70	0.90	59	1.24	61	0.00%	1
Total Risk Parity/GAA	4.21%	3.56%	59	7.36%	60	-1.98%	82	0.44	70	0.66	67	4.42%	56
60% MSCI World (Net) / 40% CITI WGBI	--	6.36%	21	6.88%	53	0.00%	28	0.88	20	1.88	4	0.00%	1

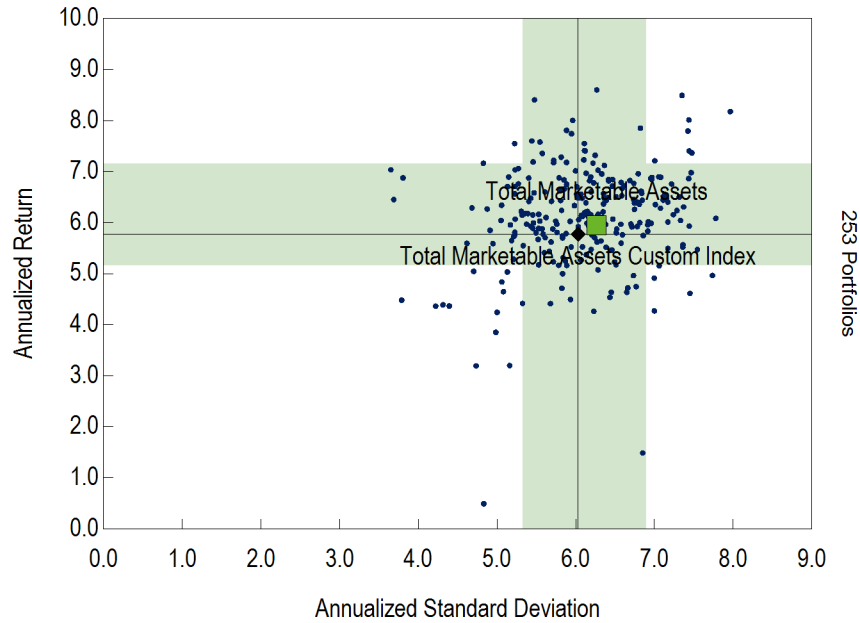


MANAGER CHARACTERISTICS

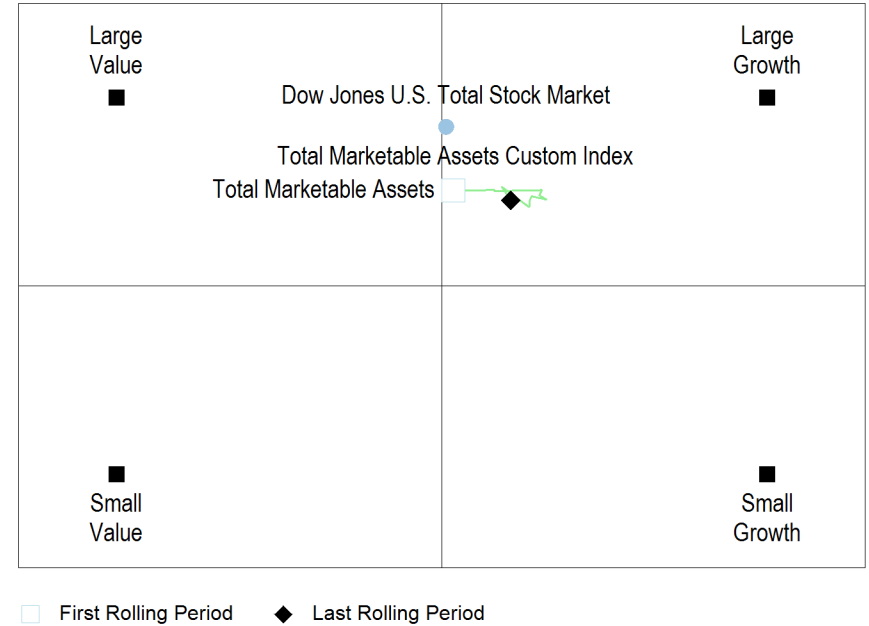
NEPC, LLC

TOTAL MARKETABLE ASSETS

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

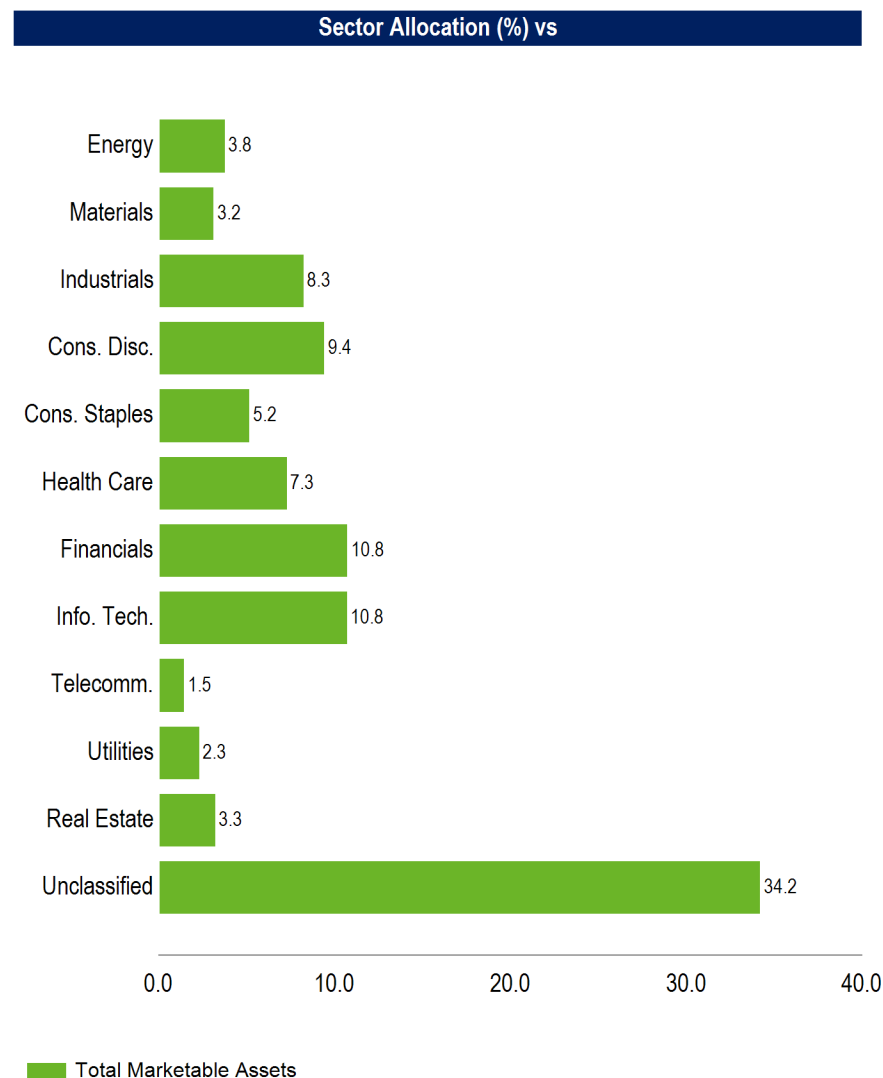
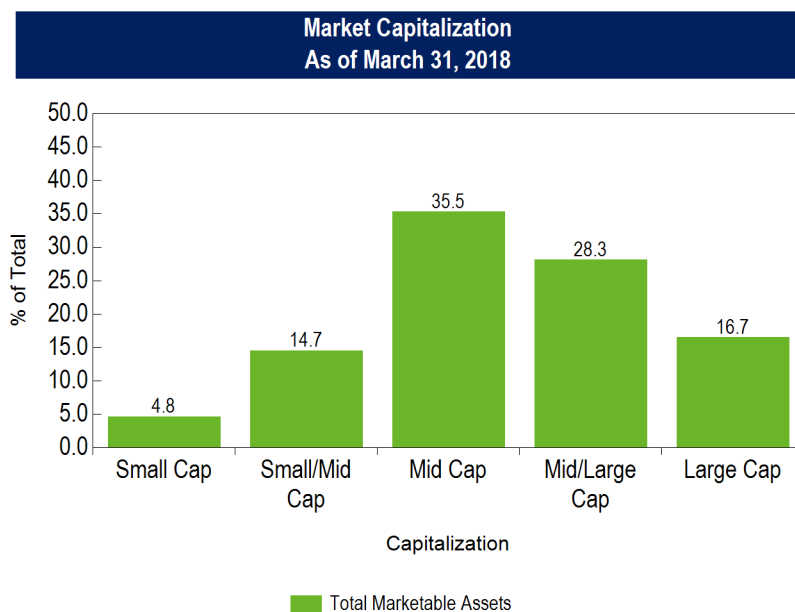


U.S. Effective Style Map
3 Years Ending March 31, 2018



TOTAL MARKETABLE ASSETS

Characteristics	
	Portfolio
Number of Holdings	10,085
Weighted Avg. Market Cap. (\$B)	61.56
Median Market Cap. (\$B)	13.92
Price To Earnings	23.98
Price To Book	4.33
Price To Sales	3.42
Return on Equity (%)	19.06
Yield (%)	2.15



TOTAL MARKETABLE ASSETS

Top Ten Holdings	
FED NATL MTG ASSN (FNCL 3.5 N MAY)	1.5%
UST 2.750 02/15/24	1.0%
UST 0.125 04/15/19	0.8%
UST 2.000 10/31/22 When Iss	0.7%
UST 0.125 04/15/20	0.6%
UNITED STATES TREASURY	0.6%
UNITED STATES TREASURY	0.6%
UST 0.250 01/15/25	0.6%
UNITED STATES TREASURY	0.6%
TAIWAN SEMICON.MNFG.	0.6%

Top Positive Contributors		
	Relative Contribution %	Return %
AMAZON.COM	0.2%	23.8%
NETFLIX	0.1%	53.9%
TAIWAN SEMICON.MNFG.	0.1%	9.4%
MICROSOFT	0.1%	7.2%
BNC.BRADESCO PF.SPN.ADR 1:1	0.1%	16.1%
TRUWORTHS INTL.	0.1%	22.0%
INTEL	0.0%	13.6%
MASSMART	0.0%	23.3%
PUBLIC BANK	0.0%	22.6%
CISCO SYSTEMS	0.0%	12.8%

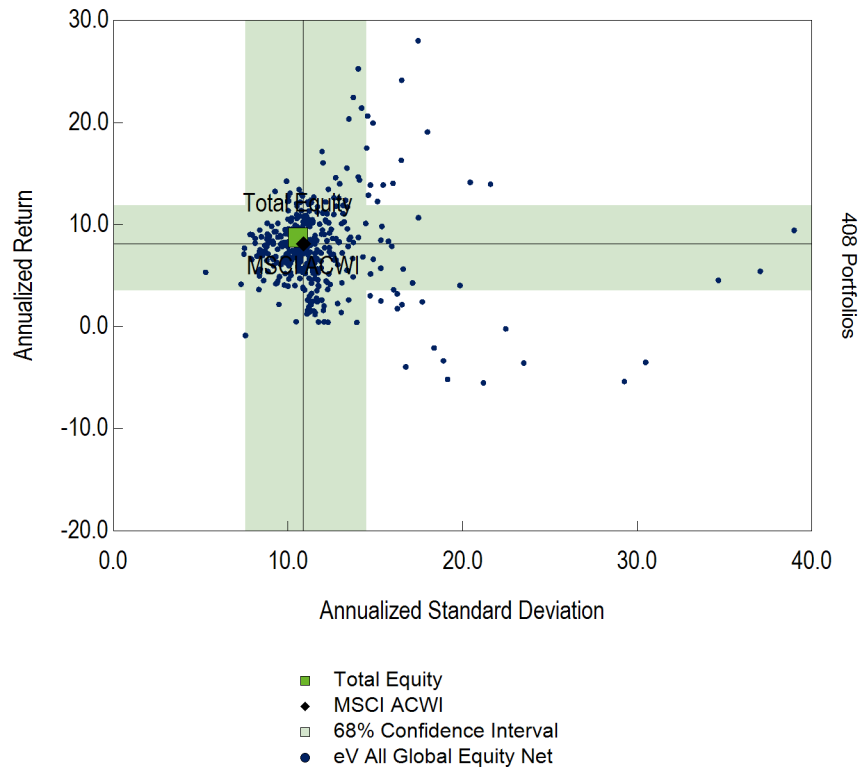
Top Negative Contributors		
	Relative Contribution %	Return %
FACEBOOK CLASS A	-0.1%	-9.4%
MAGNIT	-0.1%	-26.1%
WELLS FARGO & CO	-0.1%	-13.1%
EXXON MOBIL	-0.1%	-9.9%
GENERAL ELECTRIC	-0.1%	-22.1%
BRF BRASIL FOODS ON	-0.1%	-37.7%
CHINA MOBILE	-0.1%	-9.6%
ICT.TUNGGAL PRAKARSA	-0.1%	-28.2%
ASTRA INTERNATIONAL	-0.1%	-13.3%
PROCTER & GAMBLE	-0.1%	-13.1%

	Equity Sector Attribution								Portfolio	Benchmark	Portfolio	Benchmark	
	Total Effects	Selection Effect	Attribution Effects			Returns		Sector Weights					
			Allocation Effect	Interaction Effects									
Energy	0.0%	--	--	--	--	-3.7%	--	5.9%	0.0%				
Materials	0.0%	--	--	--	--	-5.5%	--	4.7%	0.0%				
Industrials	0.0%	--	--	--	--	-2.3%	--	10.4%	0.0%				
Consumer Discretionary	0.0%	--	--	--	--	0.7%	--	12.4%	0.0%				
Consumer Staples	0.0%	--	--	--	--	-4.9%	--	9.2%	0.0%				
Health Care	0.0%	--	--	--	--	-0.8%	--	11.0%	0.0%				
Financials	0.0%	--	--	--	--	1.2%	--	17.3%	0.0%				
Information Technology	0.0%	--	--	--	--	3.8%	--	19.0%	0.0%				
Telecommunication Services	0.0%	--	--	--	--	-6.0%	--	2.8%	0.0%				
Utilities	0.0%	--	--	--	--	-2.7%	--	2.5%	0.0%				
Real Estate	-0.2%	0.0%	-0.2%	0.0%	0.0%	-4.9%	-4.9%	3.8%	0.0%				
Cash	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	--	0.8%	0.0%				
Portfolio	-0.2%	=	0.0%	+	-0.2%	+	0.0%	-0.7%	0.0%	100.0%	0.0%		

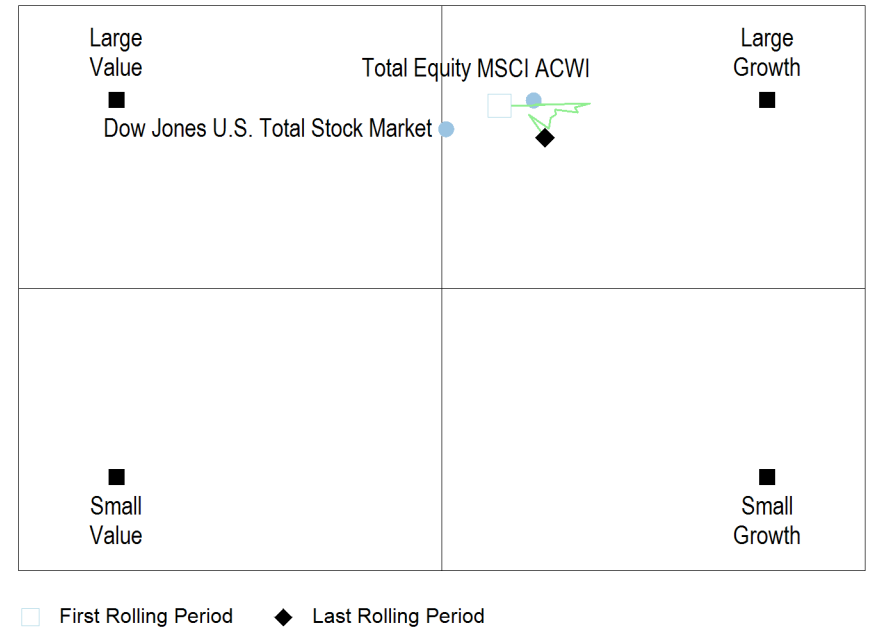


TOTAL EQUITY COMPOSITE

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

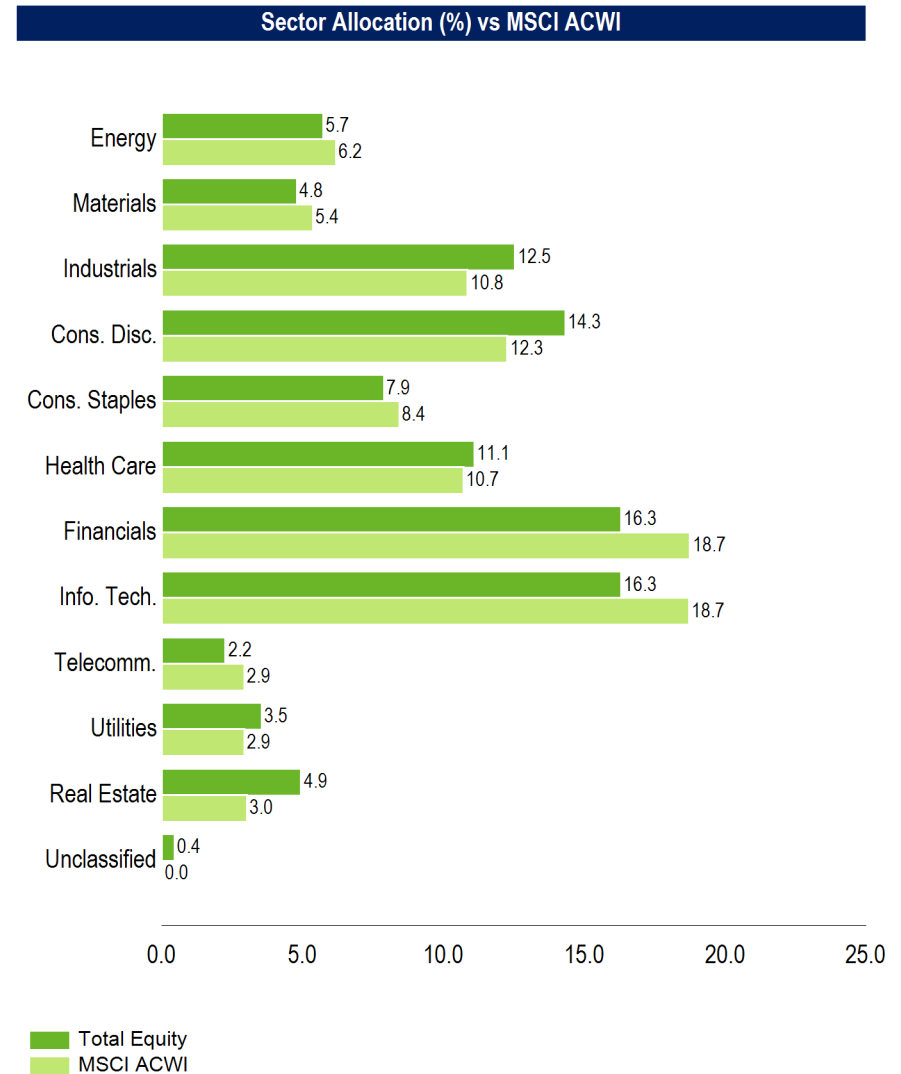
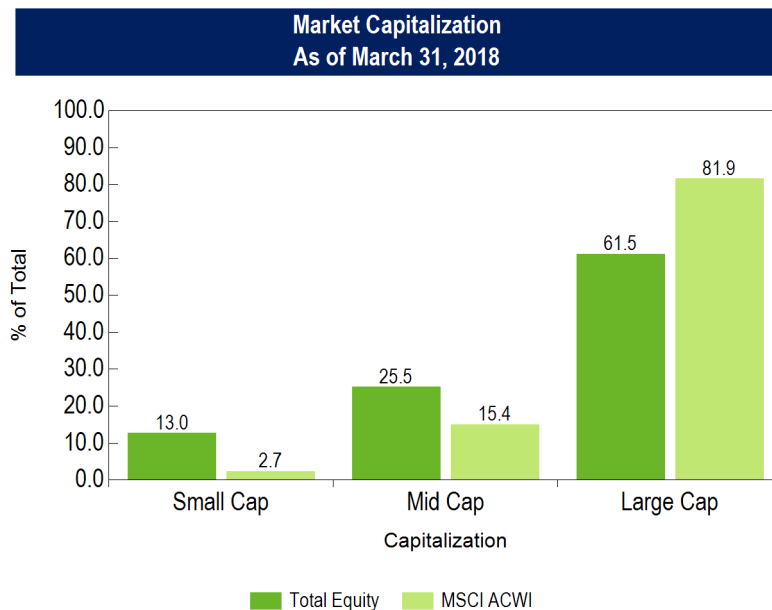


U.S. Effective Style Map
3 Years Ending March 31, 2018



TOTAL EQUITY COMPOSITE

Characteristics		Portfolio	MSCI ACWI
Number of Holdings		1,141	2,495
Weighted Avg. Market Cap. (\$B)		61.56	121.31
Median Market Cap. (\$B)		14.06	10.49
Price To Earnings		23.98	21.44
Price To Book		4.33	3.49
Price To Sales		3.42	3.08
Return on Equity (%)		19.06	17.43
Yield (%)		2.15	2.41
Beta		0.96	1.00
R-Squared		0.98	1.00



TOTAL EQUITY COMPOSITE

Top Ten Holdings	
TAIWAN SEMICON.MNFG.	0.9%
SAMSUNG ELTN.PREF.	0.8%
TENCENT HOLDINGS	0.7%
CHINA MOBILE	0.6%
HOUSING DEVELOPMENT FIN.	0.5%
MICROSOFT	0.5%
APPLE	0.5%
BNC.BRADESCO PF.SPN.ADR 1:1	0.4%
CASH - USD	0.4%
ROYAL DUTCH SHELL B	0.4%

Top Positive Contributors		
	Relative Contribution %	Return %
BNC.BRADESCO PF.SPN.ADR 1:1	0.1%	16.1%
TRUWORTHS INTL.	0.1%	22.0%
TAIWAN SEMICON.MNFG.	0.1%	9.4%
MASSMART	0.1%	23.3%
PUBLIC BANK	0.0%	22.6%
PJSC LUKOIL SPON (LON) ADR	0.0%	20.4%
CHINA RESOURCES LAND	0.0%	23.6%
AMBEV ON	0.0%	13.2%
OKTA CLA	0.0%	55.6%
GPO FINANCE BANORTE	0.0%	10.5%

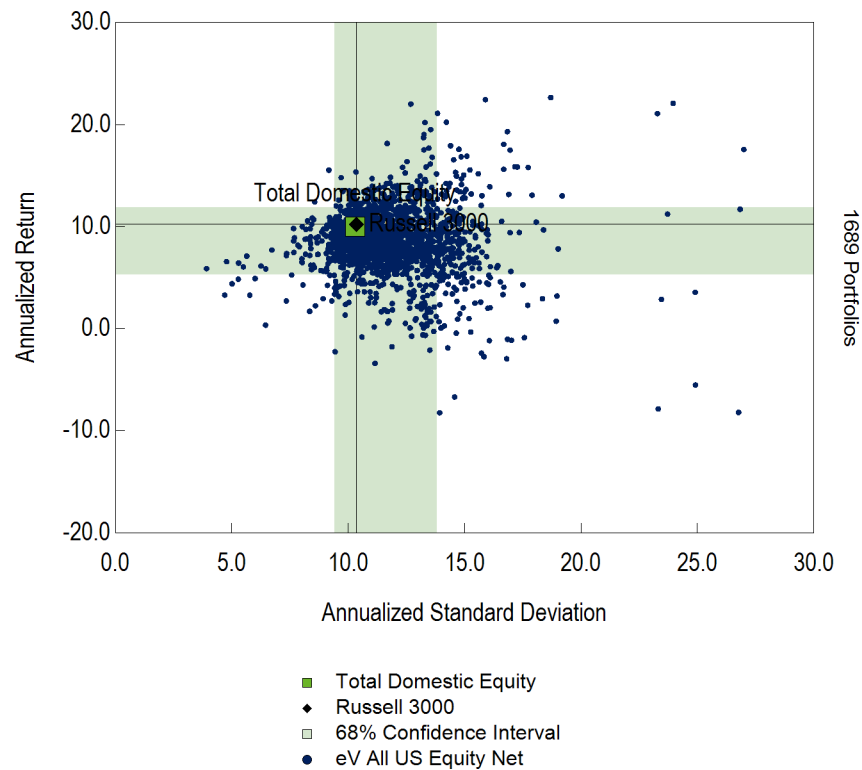
Top Negative Contributors		
	Relative Contribution %	Return %
MAGNIT	-0.1%	-26.1%
ICT.TUNGGAL PRAKARSA	-0.1%	-28.2%
BRF BRASIL FOODS ON	-0.1%	-37.7%
ASTRA INTERNATIONAL	-0.1%	-13.3%
CHINA MOBILE	-0.1%	-9.6%
AIR FRANCE-KLM	0.0%	-32.0%
NORSK HYDRO	0.0%	-23.2%
RICHTER GEDEON	0.0%	-20.4%
AYALA LAND	0.0%	-11.3%
AMAZON.COM	0.0%	23.8%

Equity Sector Attribution											
	Total Effects	Selection Effect	Attribution Effects			Returns		Sector Weights			
			Allocation Effect	Interaction Effects	Portfolio	Benchmark	Portfolio	Benchmark			
Energy	0.0%	0.0%	0.0%	0.0%	0.0%	-3.7%	-3.6%	6.0%	6.4%		
Materials	-0.1%	-0.1%	0.0%	0.0%	0.0%	-5.5%	-3.6%	4.7%	5.4%		
Industrials	-0.1%	0.0%	0.0%	-0.1%	0.0%	-2.3%	-1.4%	10.4%	10.9%		
Consumer Discretionary	0.0%	0.0%	0.0%	-0.1%	0.0%	0.7%	1.1%	12.4%	12.1%		
Consumer Staples	0.0%	0.1%	0.0%	-0.1%	0.0%	-4.9%	-4.8%	9.3%	8.7%		
Health Care	0.0%	0.0%	0.0%	0.0%	0.0%	-0.8%	-0.8%	11.0%	10.7%		
Financials	0.4%	0.5%	0.0%	-0.1%	0.0%	1.2%	-0.9%	17.3%	18.8%		
Information Technology	0.2%	0.1%	0.0%	0.0%	0.0%	3.8%	3.2%	19.1%	18.1%		
Telecommunication Services	0.0%	0.0%	0.0%	0.0%	0.0%	-6.0%	-5.3%	2.9%	3.0%		
Utilities	0.0%	0.0%	0.0%	0.0%	0.0%	-2.7%	-1.0%	2.5%	2.9%		
Real Estate	-0.1%	0.0%	0.0%	0.0%	0.0%	-4.9%	-3.4%	3.8%	3.0%		
Cash	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	--	0.6%	0.0%		
Portfolio	0.2%	=	0.6%	+	0.1%	+	-0.5%	-0.7%	-0.8%	100.0%	100.0%

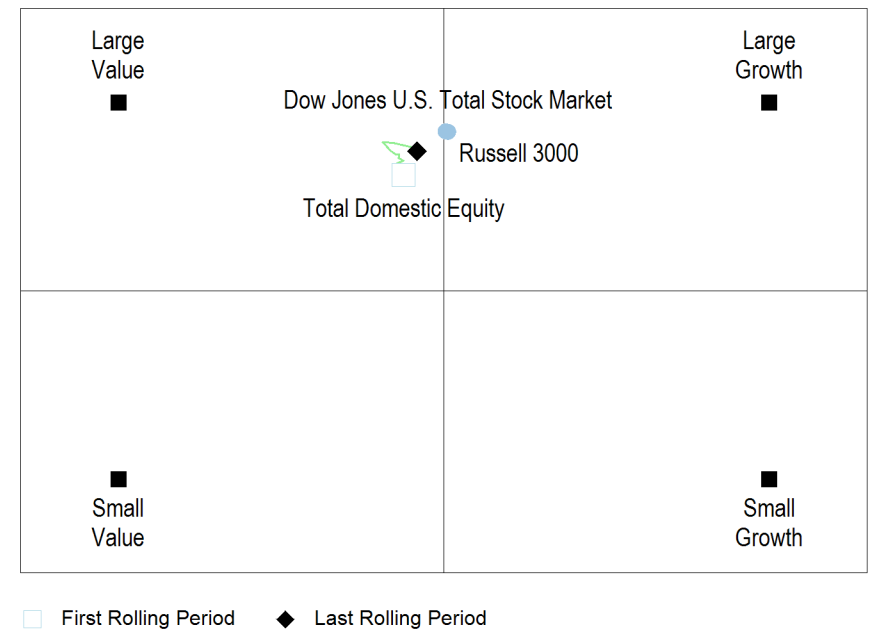


DOMESTIC EQUITY COMPOSITE

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



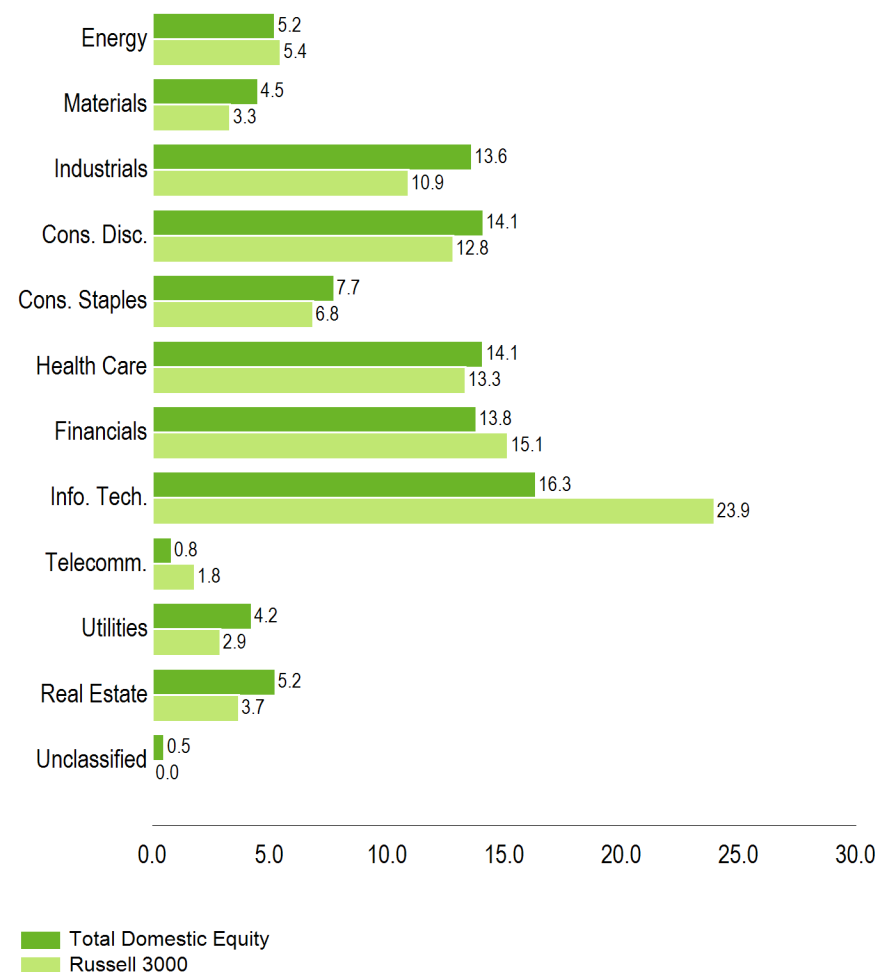
U.S. Effective Style Map
3 Years Ending March 31, 2018



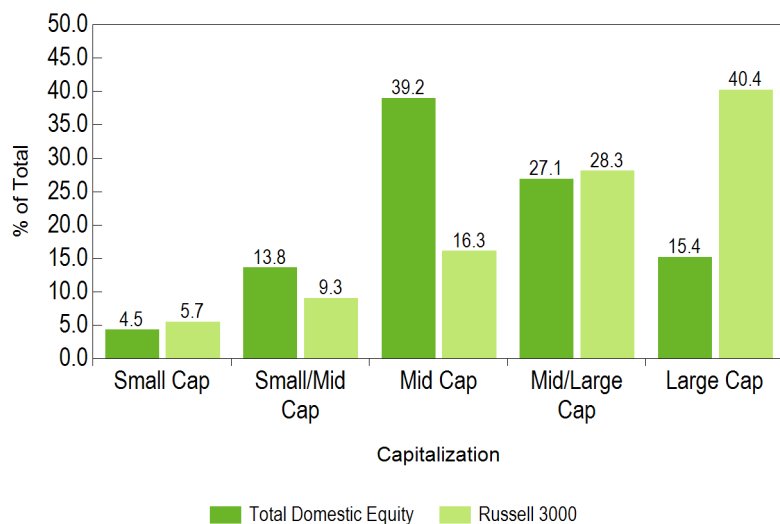
DOMESTIC EQUITY COMPOSITE

Characteristics		
	Portfolio	Russell 3000
Number of Holdings	602	2,958
Weighted Avg. Market Cap. (\$B)	64.01	151.95
Median Market Cap. (\$B)	18.05	1.69
Price To Earnings	26.75	23.48
Price To Book	4.93	4.33
Price To Sales	3.76	3.97
Return on Equity (%)	19.62	19.01
Yield (%)	1.79	1.82
Beta	0.99	1.00
R-Squared	0.99	1.00

Sector Allocation (%) vs Russell 3000



Market Capitalization As of March 31, 2018



DOMESTIC EQUITY COMPOSITE

Top Ten Holdings	
MICROSOFT	0.7%
APPLE	0.7%
AMAZON.COM	0.5%
CASH - USD	0.5%
FACEBOOK CLASS A	0.5%
JP MORGAN CHASE & CO.	0.5%
JOHNSON & JOHNSON	0.4%
INTEGRA LFSC.HDG.	0.4%
EXXON MOBIL	0.4%
RED HAT	0.4%

Top Positive Contributors		
	Relative Contribution %	Return %
TAIWAN SEMICON.MNFG.	0.1%	9.4%
FACEBOOK CLASS A	0.1%	-9.4%
EXXON MOBIL	0.1%	-9.9%
WELLS FARGO & CO	0.1%	-13.1%
BNC.BRADESCO PF.SPN.ADR 1:1	0.1%	16.1%
GENERAL ELECTRIC	0.1%	-22.1%
PROCTER & GAMBLE	0.1%	-13.1%
JOHNSON & JOHNSON	0.1%	-7.7%
COMCAST 'A'	0.1%	-14.4%
TRUWORTHS INTL.	0.1%	22.0%

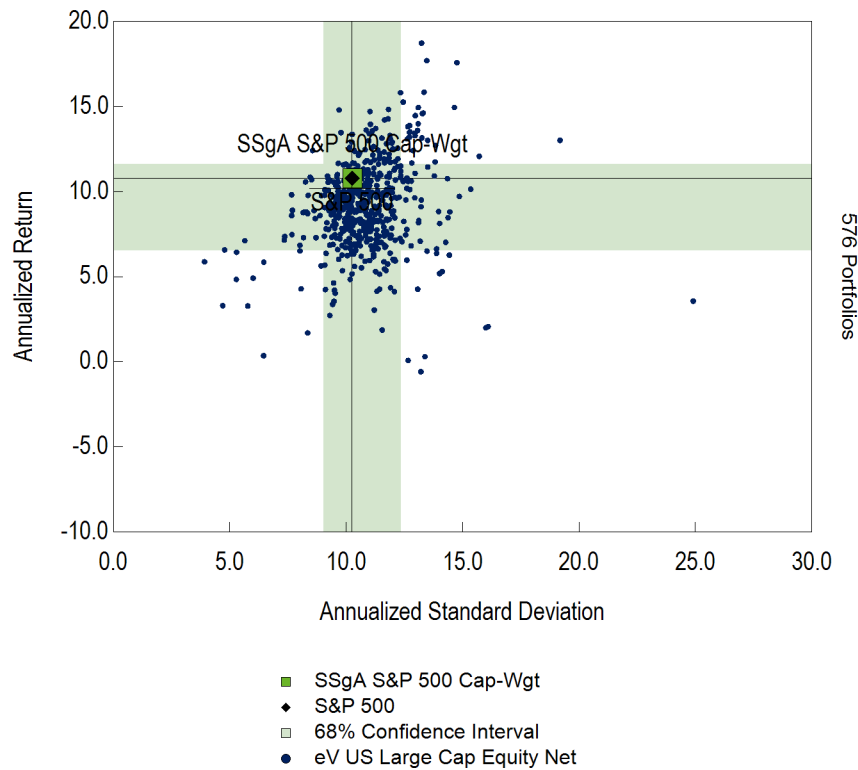
Top Negative Contributors		
	Relative Contribution %	Return %
AMAZON.COM	-0.2%	23.8%
MICROSOFT	-0.1%	7.2%
NETFLIX	-0.1%	53.9%
MAGNIT	-0.1%	-26.1%
INTEL	-0.1%	13.6%
BRF BRASIL FOODS ON	-0.1%	-37.7%
CHINA MOBILE	-0.1%	-9.6%
ICT.TUNGGAL PRAKARSA	-0.1%	-28.2%
ASTRA INTERNATIONAL	-0.1%	-13.3%
CISCO SYSTEMS	0.0%	12.8%

Equity Sector Attribution											
	Total Effects	Selection Effect	Attribution Effects				Returns		Sector Weights		
			Allocation Effect	Interaction Effects	Portfolio	Benchmark	Portfolio	Benchmark			
Energy	0.1%	0.1%	0.0%	0.1%	-3.7%	-6.0%	5.9%	5.8%			
Materials	-0.1%	0.0%	-0.1%	0.0%	-5.5%	-5.3%	4.7%	3.5%			
Industrials	-0.1%	-0.1%	0.0%	0.1%	-2.3%	-1.8%	10.4%	11.0%			
Consumer Discretionary	-0.2%	-0.2%	0.0%	0.1%	0.7%	2.0%	12.4%	12.4%			
Consumer Staples	0.1%	0.1%	-0.1%	0.1%	-4.9%	-6.8%	9.2%	7.3%			
Health Care	0.0%	-0.1%	0.0%	0.1%	-0.8%	-0.5%	11.0%	13.3%			
Financials	0.3%	0.2%	0.0%	0.1%	1.2%	-0.4%	17.3%	15.2%			
Information Technology	-0.2%	-0.1%	-0.2%	0.1%	3.8%	4.0%	19.0%	22.8%			
Telecommunication Services	0.0%	0.0%	-0.1%	0.0%	-6.0%	-7.3%	2.8%	1.9%			
Utilities	0.0%	0.0%	0.0%	0.0%	-2.7%	-3.4%	2.5%	3.0%			
Real Estate	0.1%	0.0%	0.0%	0.0%	-4.9%	-6.2%	3.8%	3.9%			
Cash	0.0%	0.0%	0.0%	0.0%	0.4%	--	0.8%	0.0%			
Portfolio	0.0%	=	-0.2%	+	-0.4%	+	0.6%	-0.7%	-0.7%	100.0%	100.0%

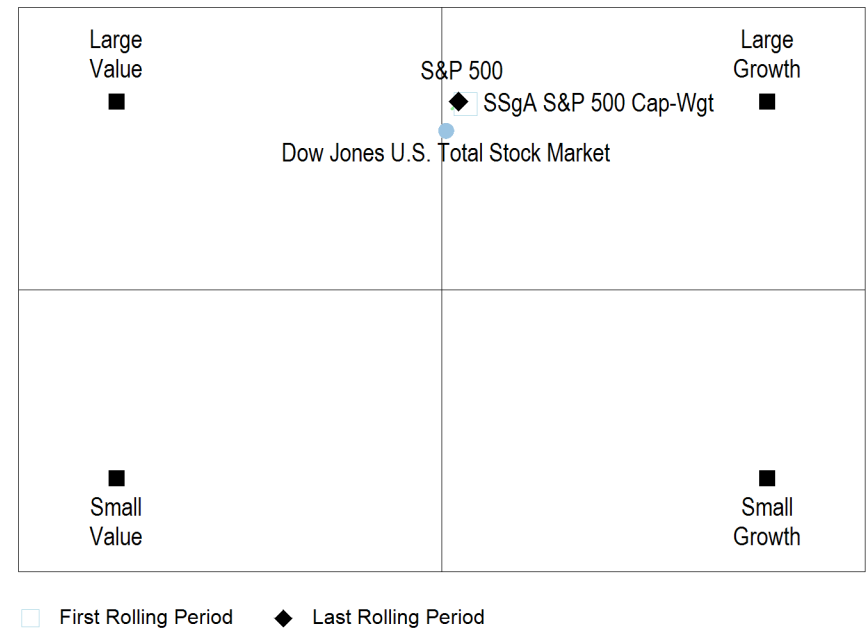


SSGA S&P 500 CAP-WGT

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

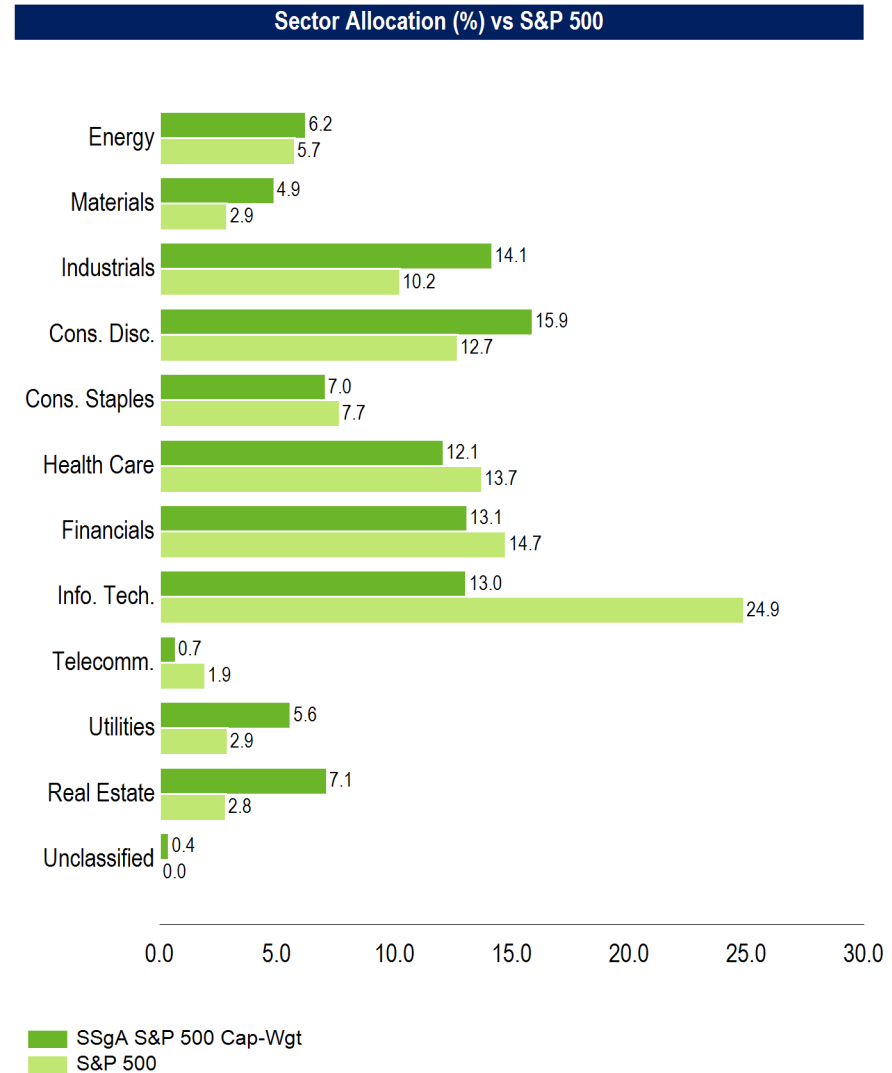
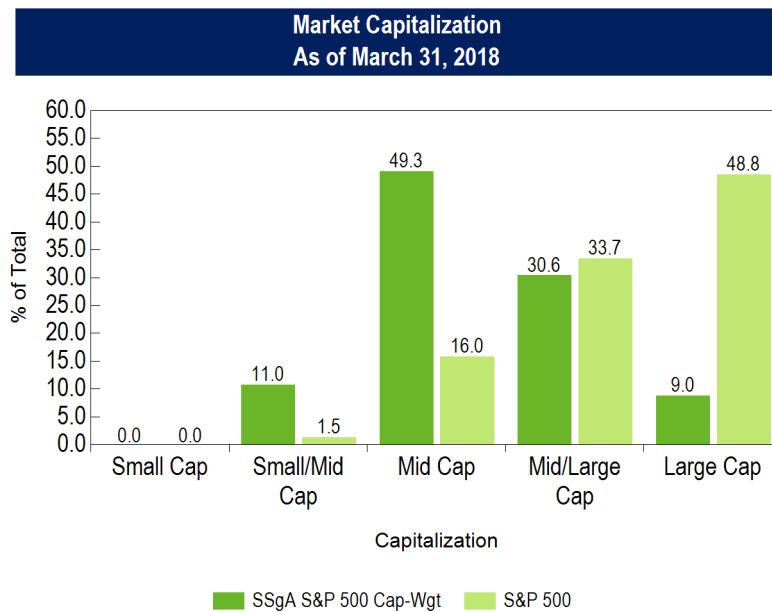


U.S. Effective Style Map
3 Years Ending March 31, 2018



SSGA S&P 500 CAP-WGT

Characteristics		
	Portfolio	S&P 500
Number of Holdings	451	505
Weighted Avg. Market Cap. (\$B)	41.95	182.24
Median Market Cap. (\$B)	19.87	20.73
Price To Earnings	26.23	24.22
Price To Book	4.45	4.61
Price To Sales	3.51	4.00
Return on Equity (%)	19.97	21.61
Yield (%)	1.95	1.95
Beta	1.00	1.00
R-Squared	1.00	1.00



SSGA S&P 500 CAP-WGT

Top Ten Holdings	
CASH - USD	0.4%
MACY'S	0.3%
PVH	0.2%
CHURCH & DWIGHT CO.	0.2%
REGENERON PHARMS.	0.2%
DUKE REALTY	0.2%
EQUITY RESD.TST.PROPS. SHBI	0.2%
PG&E	0.2%
CMS ENERGY	0.2%
CONSTELLATION BRANDS 'A'	0.2%

Top Positive Contributors		
	Relative Contribution %	Return %
NETFLIX	0.0%	53.9%
BECTON DICKINSON	0.0%	1.6%
RANGE RES.	0.0%	-14.7%
CISCO SYSTEMS	0.0%	12.8%
CHESAPEAKE ENERGY	0.0%	-23.7%
NEWFIELD EXPLORATION	0.0%	-22.5%
ACUITY BRANDS	0.0%	-20.9%
IRON MOUNTAIN	0.0%	-11.4%
BOEING	0.0%	11.8%
BOOKING HOLDINGS	0.0%	19.7%

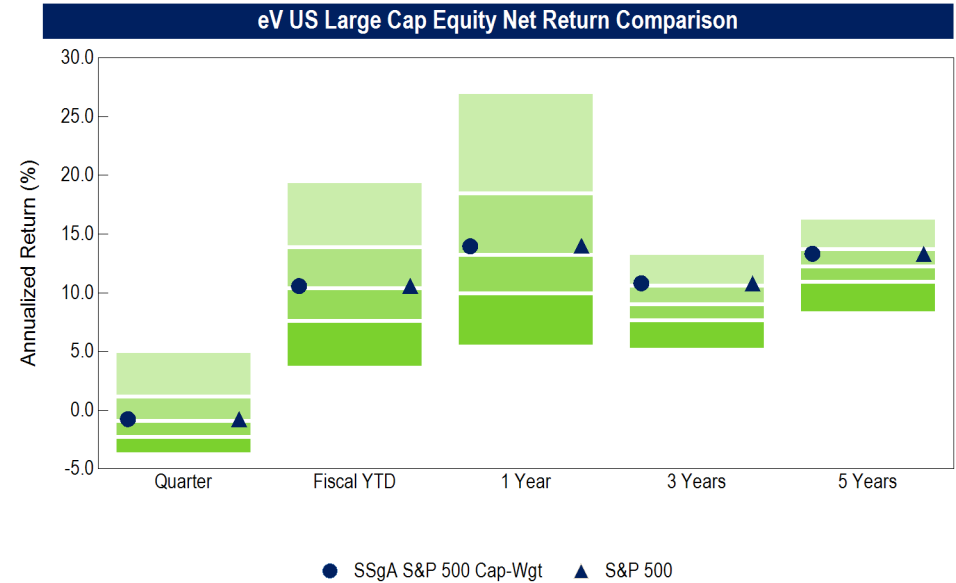
Top Negative Contributors		
	Relative Contribution %	Return %
XL GROUP	0.0%	57.8%
MICRON TECHNOLOGY	0.0%	26.8%
EXXON MOBIL	0.0%	-9.9%
GENERAL ELECTRIC	0.0%	-22.1%
JOHNSON & JOHNSON	0.0%	-7.7%
EDWARDS LIFESCIENCES	0.0%	23.8%
IDEXX LABORATORIES	0.0%	22.4%
KOHL'S	0.0%	21.9%
WW GRAINGER	0.0%	20.1%
CHEVRON	0.0%	-8.0%

Equity Sector Attribution											
	Total Effects	Selection Effect	Attribution Effects			Returns		Sector Weights			
			Allocation Effect	Interaction Effects	Portfolio	Benchmark	Portfolio	Benchmark			
Energy	0.0%	0.0%	0.0%	0.0%	0.0%	-5.9%	-5.9%	6.1%	6.1%		
Materials	0.0%	0.0%	0.0%	0.0%	0.0%	-5.5%	-5.5%	3.0%	3.0%		
Industrials	0.0%	0.0%	0.0%	0.0%	0.0%	-1.6%	-1.6%	10.3%	10.3%		
Consumer Discretionary	0.0%	0.0%	0.0%	0.0%	0.0%	3.1%	3.1%	12.2%	12.2%		
Consumer Staples	0.0%	0.0%	0.0%	0.0%	0.0%	-7.1%	-7.1%	8.2%	8.2%		
Health Care	0.0%	0.0%	0.0%	0.0%	0.0%	-1.3%	-1.3%	13.8%	13.8%		
Financials	0.0%	0.0%	0.0%	0.0%	0.0%	-1.0%	-0.9%	14.8%	14.8%		
Information Technology	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	3.5%	23.8%	23.8%		
Telecommunication Services	0.0%	0.0%	0.0%	0.0%	0.0%	-7.5%	-7.5%	2.1%	2.1%		
Utilities	0.0%	0.0%	0.0%	0.0%	0.0%	-3.3%	-3.3%	2.9%	2.9%		
Real Estate	0.0%	0.0%	0.0%	0.0%	0.0%	-5.0%	-5.0%	2.9%	2.9%		
Cash	0.0%	--	--	--	--	--	--	0.0%	0.0%		
Portfolio	0.0%	=	0.0%	+	0.0%	+	0.0%	-0.8%	-0.8%	100.0%	100.0%

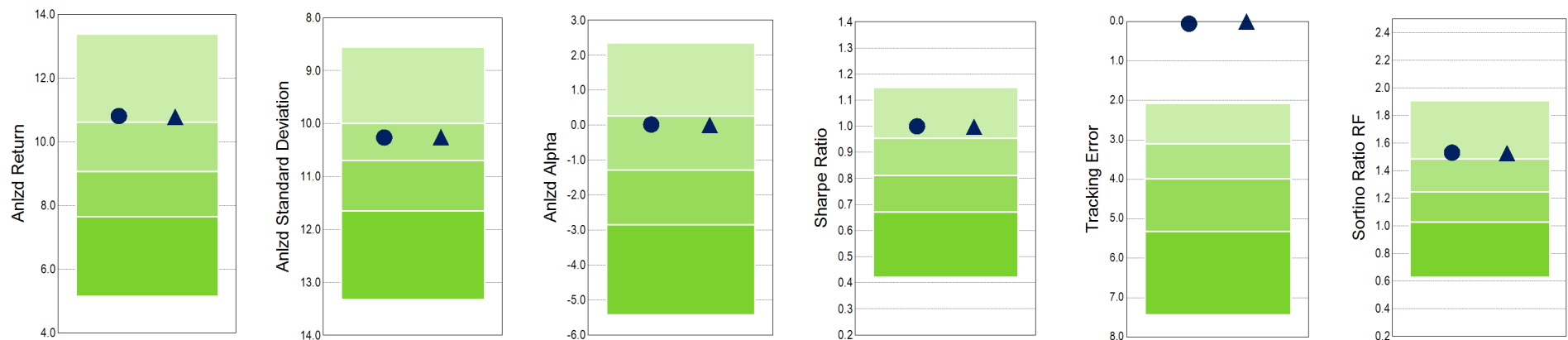


SSGA S&P 500 CAP-WGT

Using a replication process, we purchase each security for the Strategy in the same capitalization weight as it appears in the S&P 500 Index. Replication results in low turnover, accurate tracking, and low costs. SSgA's internal liquidity has allowed the firm to acquire many of the benchmark constituents for free. These free trading opportunities have allowed SSgA to gradually reduce security-level misweights while avoiding the open market. This process has resulted in portfolios that look and behave like the benchmark, and do so at a very low cost. SSgA's passive equity process objective is to remain fully invested in the equity market at all times. To accomplish this, it holds a small amount of unleveraged exchange-traded S&P 500® futures contracts to maintain full exposure. SSgA tends to hold approximately 1-3% of the strategy's value in suitable CFTC approved index futures contracts. This position in futures also allows the firm to accommodate cash flows into and out of the portfolio on a daily basis and to equitize dividend receivables to achieve closer tracking.



3 Year Risk Statistics



SSGA S&P 500 CAP-WGT

Characteristics		
	Portfolio	S&P 500
Number of Holdings	451	505
Weighted Avg. Market Cap. (\$B)	41.9	182.2
Median Market Cap. (\$B)	19.9	20.7
Price To Earnings	26.2	24.2
Price To Book	4.5	4.6
Price To Sales	3.5	4.0
Return on Equity (%)	20.0	21.6
Yield (%)	2.0	1.9
Beta	1.0	1.0
R-Squared	1.0	1.0

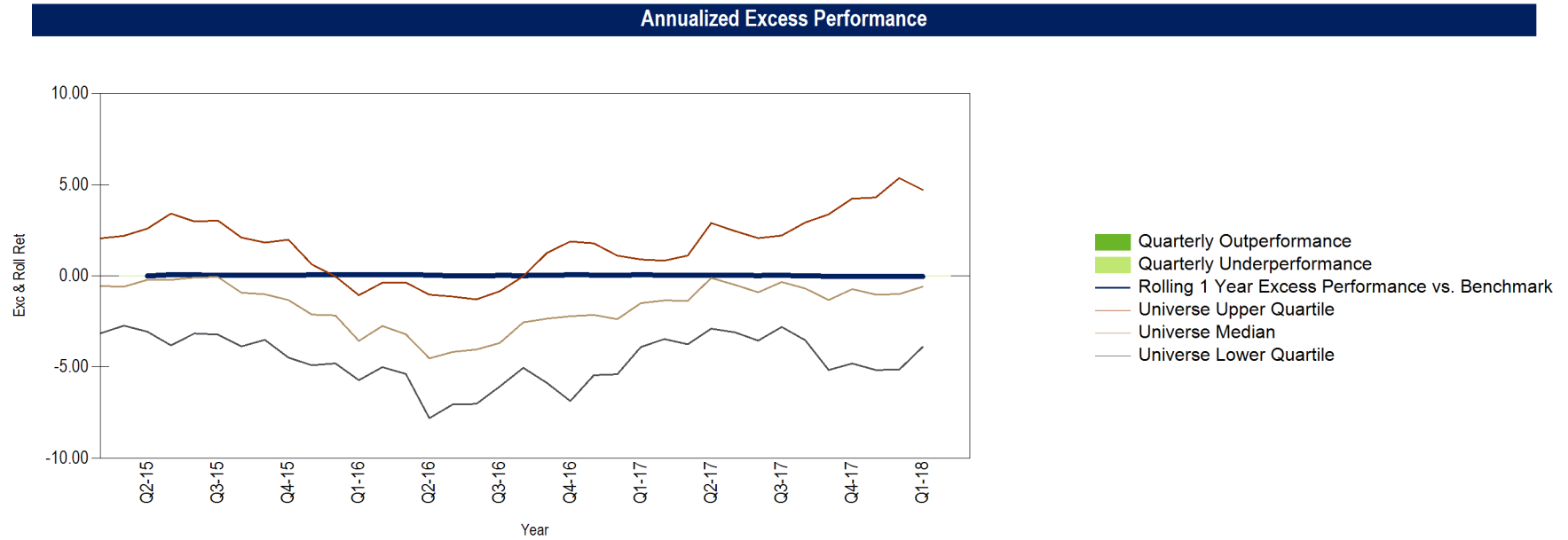
Top Positive Contributors		
	Relative Contribution %	Return %
NETFLIX (NFLX)	0.0%	53.9%
BECTON DICKINSON (BDX)	0.0%	1.6%
RANGE RES. (RRC)	0.0%	-14.7%
CISCO SYSTEMS (CSCO)	0.0%	12.8%
CHESAPEAKE ENERGY (CHK)	0.0%	-23.7%
NEWFIELD EXPLORATION (NFX)	0.0%	-22.5%
ACUITY BRANDS (AYI)	0.0%	-20.9%
IRON MOUNTAIN (IRM)	0.0%	-11.4%
BOEING (BA)	0.0%	11.8%
BOOKING HOLDINGS (BKNG)	0.0%	19.7%

Top Negative Contributors		
	Relative Contribution %	Return %
XL GROUP (XL)	0.0%	57.8%
MICRON TECHNOLOGY (MU)	0.0%	26.8%
EXXON MOBIL (XOM)	0.0%	-9.9%
GENERAL ELECTRIC (GE)	0.0%	-22.1%
JOHNSON & JOHNSON (JNJ)	0.0%	-7.7%
EDWARDS LIFESCIENCES (EW)	0.0%	23.8%
IDEXX LABORATORIES (IDXX)	0.0%	22.4%
KOHL'S (KSS)	0.0%	21.9%
WW GRAINGER (GWW)	0.0%	20.1%
CHEVRON (CVX)	0.0%	-8.0%

SSgA S&P 500 Cap-Wgt Performance Attribution vs. S&P 500									
	Attribution Effects				Returns		Sector Weights		
	Total Effects	Selection Effect	Allocation Effect	Interaction Effects	Portfolio	Benchmark	Portfolio	Benchmark	
Energy	0.0%	0.0%	0.0%	0.0%	-5.9%	-5.9%	6.1%	6.1%	
Materials	0.0%	0.0%	0.0%	0.0%	-5.5%	-5.5%	3.0%	3.0%	
Industrials	0.0%	0.0%	0.0%	0.0%	-1.6%	-1.6%	10.3%	10.3%	
Consumer Discretionary	0.0%	0.0%	0.0%	0.0%	3.1%	3.1%	12.2%	12.2%	
Consumer Staples	0.0%	0.0%	0.0%	0.0%	-7.1%	-7.1%	8.2%	8.2%	
Health Care	0.0%	0.0%	0.0%	0.0%	-1.3%	-1.3%	13.8%	13.8%	
Financials	0.0%	0.0%	0.0%	0.0%	-1.0%	-0.9%	14.8%	14.8%	
Information Technology	0.0%	0.0%	0.0%	0.0%	3.5%	3.5%	23.8%	23.8%	
Telecommunication Services	0.0%	0.0%	0.0%	0.0%	-7.5%	-7.5%	2.1%	2.1%	
Utilities	0.0%	0.0%	0.0%	0.0%	-3.3%	-3.3%	2.9%	2.9%	
Real Estate	0.0%	0.0%	0.0%	0.0%	-5.0%	-5.0%	2.9%	2.9%	
Cash	0.0%	--	--	--	--	--	0.0%	0.0%	
Portfolio	0.0%	=	0.0%	+	0.0%	+	0.0%	-0.8%	-0.8%
								100.0%	100.0%

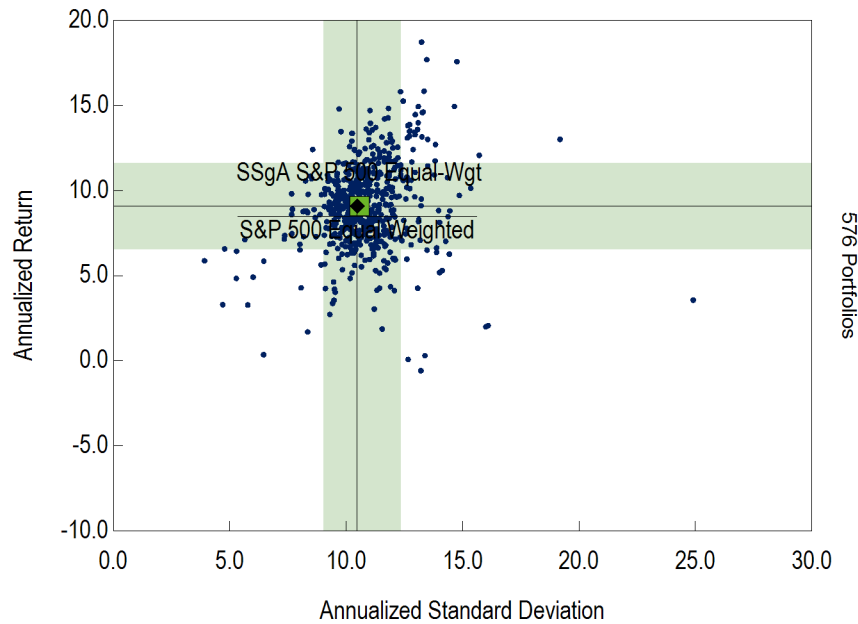


SSGA S&P 500 CAP-WGT



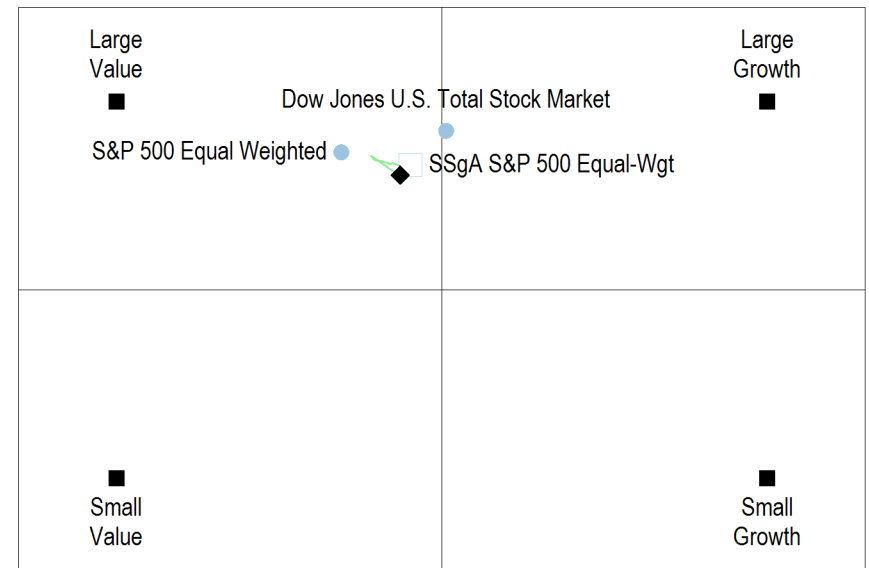
SSGA S&P 500 EQUAL-WGT

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



- SSGA S&P 500 Equal-Wgt
- ◆ S&P 500 Equal Weighted
- 68% Confidence Interval
- eV US Large Cap Equity Net

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



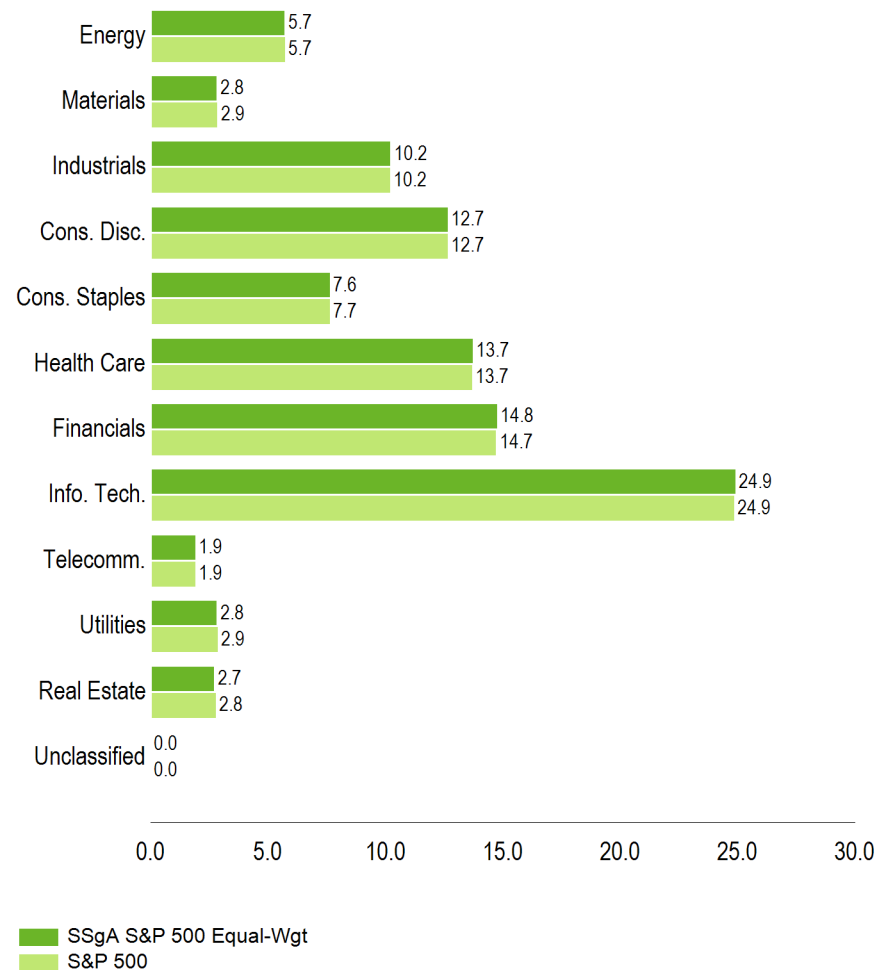
- First Rolling Period
- ◆ Last Rolling Period



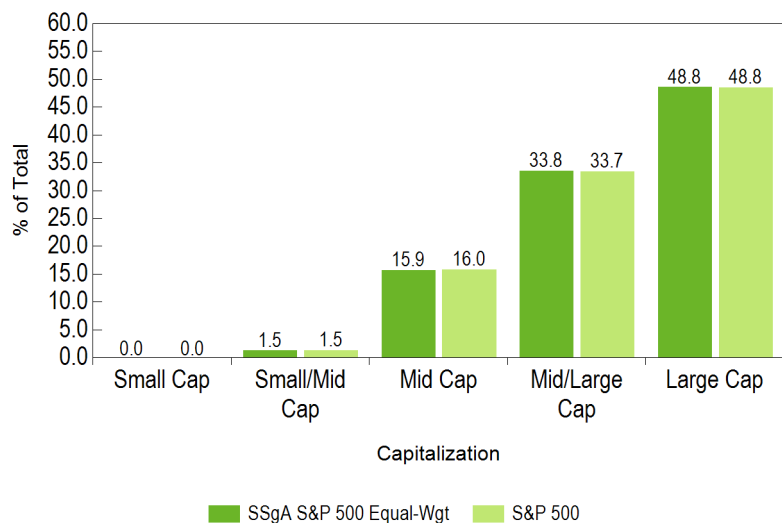
SSGA S&P 500 EQUAL-WGT

Characteristics		
	Portfolio	S&P 500
Number of Holdings	505	505
Weighted Avg. Market Cap. (\$B)	182.51	182.24
Median Market Cap. (\$B)	20.73	20.73
Price To Earnings	26.53	24.22
Price To Book	5.46	4.61
Price To Sales	4.16	4.00
Return on Equity (%)	24.86	21.61
Yield (%)	1.95	1.95
Beta	0.99	1.00
R-Squared	0.92	1.00

Sector Allocation (%) vs S&P 500



Market Capitalization As of March 31, 2018



SSGA S&P 500 EQUAL-WGT

Top Ten Holdings	
APPLE	3.8%
MICROSOFT	3.1%
AMAZON.COM	2.6%
BERKSHIRE HATHAWAY 'B'	1.7%
FACEBOOK CLASS A	1.7%
JP MORGAN CHASE & CO.	1.7%
JOHNSON & JOHNSON	1.5%
EXXON MOBIL	1.4%
ALPHABET 'C'	1.4%
ALPHABET A	1.4%

Top Positive Contributors		
	Relative Contribution %	Return %
FACEBOOK CLASS A	0.2%	-9.4%
EXXON MOBIL	0.1%	-9.9%
WELLS FARGO & CO	0.1%	-13.1%
JOHNSON & JOHNSON	0.1%	-7.7%
PROCTER & GAMBLE	0.1%	-13.1%
GENERAL ELECTRIC	0.1%	-22.1%
XL GROUP	0.1%	57.8%
COMCAST 'A'	0.1%	-14.4%
ALTRIA GROUP	0.1%	-11.8%
CHEVRON	0.1%	-8.0%

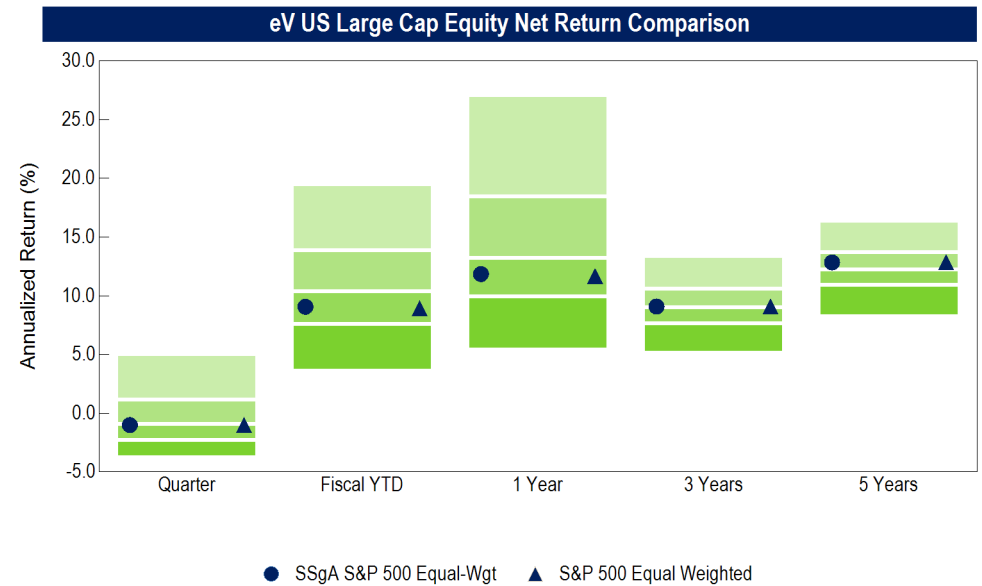
Top Negative Contributors		
	Relative Contribution %	Return %
AMAZON.COM	-0.4%	23.8%
MICROSOFT	-0.2%	7.2%
INTEL	-0.1%	13.6%
NETFLIX	-0.1%	53.9%
CISCO SYSTEMS	-0.1%	12.8%
PATTERSON COMPANIES	-0.1%	-38.0%
MASTERCARD	-0.1%	15.9%
NVIDIA	-0.1%	19.8%
SIGNET JEWELERS	-0.1%	-31.5%
BOEING	-0.1%	11.8%

	Equity Sector Attribution										
	Total Effects	Selection Effect	Attribution Effects			Returns		Sector Weights			
			Allocation Effect	Interaction Effects	Portfolio	Benchmark	Portfolio	Benchmark			
Energy	0.0%	0.0%	0.0%	0.0%	0.0%	-6.3%	-5.9%	6.4%	6.1%		
Materials	-0.1%	0.0%	-0.1%	0.0%	0.0%	-5.4%	-5.5%	5.1%	3.0%		
Industrials	0.1%	0.1%	0.0%	0.0%	0.0%	-1.0%	-1.6%	14.1%	10.3%		
Consumer Discretionary	-0.6%	-0.6%	0.1%	-0.2%	-1.4%	3.1%	15.7%	12.2%			
Consumer Staples	0.3%	0.2%	0.1%	0.0%	-4.5%	-7.1%	6.5%	8.2%			
Health Care	0.1%	0.2%	0.0%	0.0%	-0.1%	-1.3%	12.3%	13.8%			
Financials	0.2%	0.2%	0.0%	0.0%	0.3%	-0.9%	13.7%	14.8%			
Information Technology	-0.2%	0.5%	-0.5%	-0.2%	5.7%	3.5%	13.2%	23.8%			
Telecommunication Services	0.1%	0.1%	0.1%	0.0%	-4.9%	-7.5%	0.6%	2.1%			
Utilities	0.0%	0.0%	-0.1%	0.0%	-2.7%	-3.3%	5.7%	2.9%			
Real Estate	-0.2%	0.0%	-0.2%	0.0%	-6.2%	-5.0%	6.7%	2.9%			
Cash	0.0%	--	--	--	--	--	0.0%	0.0%			
Portfolio	-0.4%	=	0.6%	+	-0.5%	+	-0.5%	-1.1%	-0.8%	100.0%	100.0%

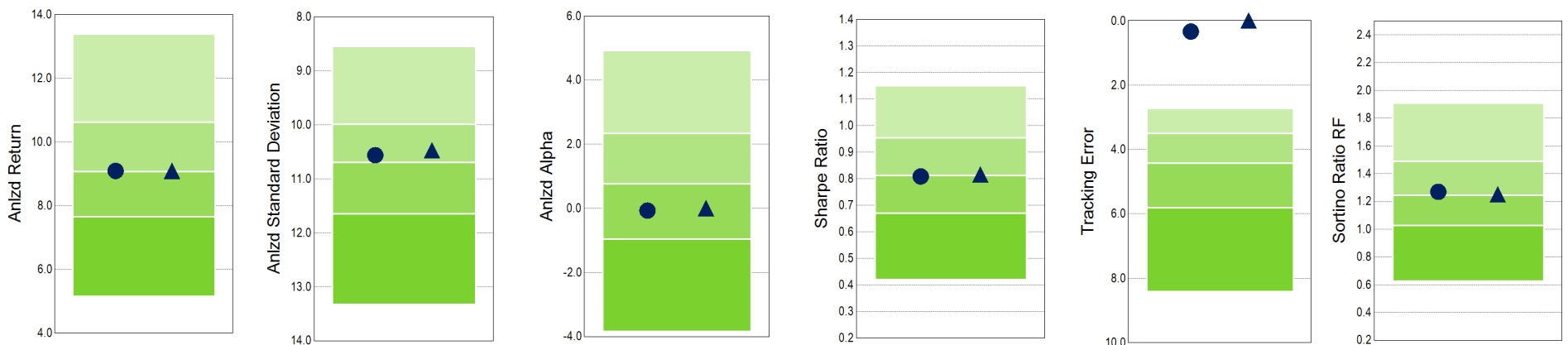


SSGA S&P 500 EQUAL-WGT

The Strategy is managed using a "passive" or "indexing" investment approach, by which SSgA attempts to match, before expenses, the performance of the Index. SSgA will typically attempt to invest in the securities comprising the Index, in the same proportions as they are represented in the Index. In some cases, it may not be possible or practicable to purchase all of the securities comprising the Index, or to hold them in the same weightings as they represent in the Index. In those circumstances, SSgA may employ a sampling or optimization technique to construct the portfolio in question. From time to time securities are added to or removed from the Index. SSgA may sell securities that are represented in the Index, or purchase securities that are not yet represented in the Index, in anticipation of their removal from or addition to the Index. The Strategy may at times purchase or sell futures contracts on the Index, or options on those futures, or engage in other transactions involving the use of derivatives, in lieu of investment directly in the securities making up the Index or to enhance the Strategy's replication of the Index return. The Strategy's return may not match the return of the Index.



3 Year Risk Statistics



SSGA S&P 500 EQUAL-WGT

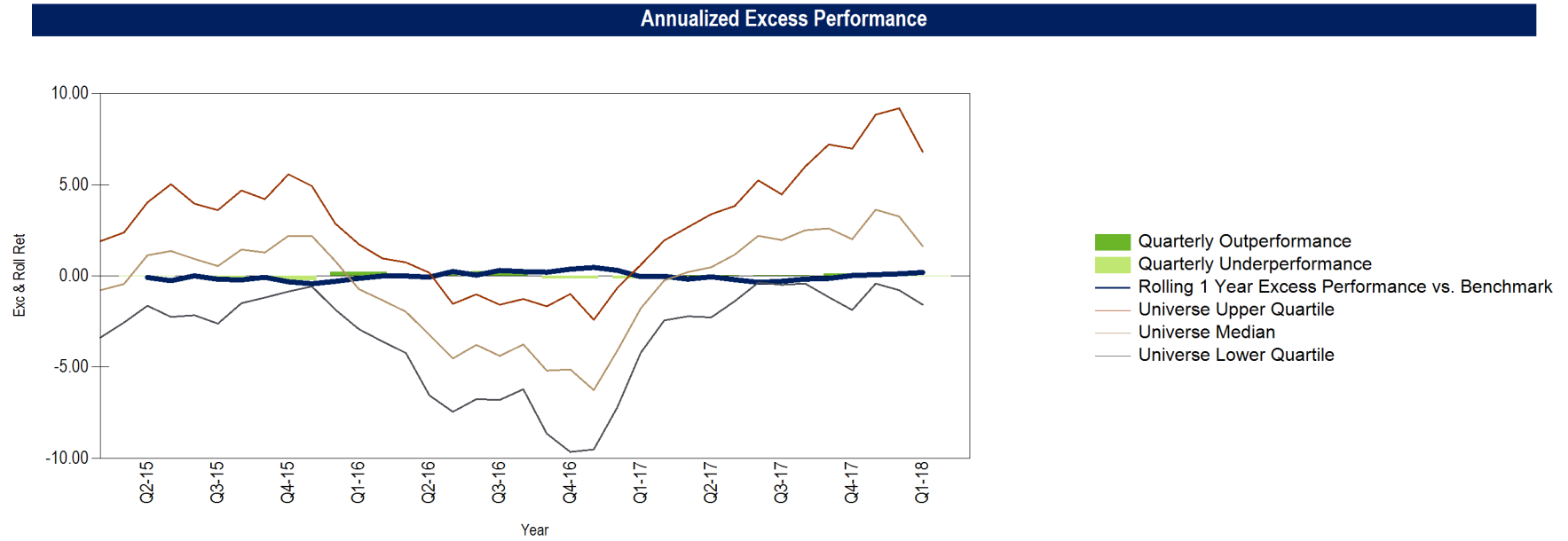
Characteristics			Top Positive Contributors			Top Negative Contributors		
	Portfolio	S&P 500		Relative Contribution %	Return %		Relative Contribution %	Return %
Number of Holdings	505	505	FACEBOOK CLASS A (FB)	0.2%	-9.4%	AMAZON.COM (AMZN)	-0.4%	23.8%
Weighted Avg. Market Cap. (\$B)	182.5	182.2	EXXON MOBIL (XOM)	0.1%	-9.9%	MICROSOFT (MSFT)	-0.2%	7.2%
Median Market Cap. (\$B)	20.7	20.7	WELLS FARGO & CO (WFC)	0.1%	-13.1%	INTEL (INTC)	-0.1%	13.6%
Price To Earnings	26.5	24.2	JOHNSON & JOHNSON (JNJ)	0.1%	-7.7%	NETFLIX (NFLX)	-0.1%	53.9%
Price To Book	5.5	4.6	PROCTER & GAMBLE (PG)	0.1%	-13.1%	CISCO SYSTEMS (CSCO)	-0.1%	12.8%
Price To Sales	4.2	4.0	GENERAL ELECTRIC (GE)	0.1%	-22.1%	PATTERSON COMPANIES (PDCO)	-0.1%	-38.0%
Return on Equity (%)	24.9	21.6	XL GROUP (XL)	0.1%	57.8%	MASTERCARD (MA)	-0.1%	15.9%
Yield (%)	2.0	1.9	COMCAST 'A' (CMCSA)	0.1%	-14.4%	NVIDIA (NVDA)	-0.1%	19.8%
Beta	1.0	1.0	ALTRIA GROUP (MO)	0.1%	-11.8%	SIGNET JEWELERS (SIG)	-0.1%	-31.5%
R-Squared	0.9	1.0	CHEVRON (CVX)	0.1%	-8.0%	BOEING (BA)	-0.1%	11.8%

SSgA S&P 500 Equal-Wgt Performance Attribution vs. S&P 500

	Total Effects	Attribution Effects				Returns		Sector Weights			
		Selection Effect	Allocation Effect	Interaction Effects	Portfolio	Benchmark	Portfolio	Benchmark			
Energy	0.0%	0.0%	0.0%	0.0%	-6.3%	-5.9%	6.4%	6.1%			
Materials	-0.1%	0.0%	-0.1%	0.0%	-5.4%	-5.5%	5.1%	3.0%			
Industrials	0.0%	0.1%	-0.1%	0.0%	-1.0%	-1.6%	14.1%	10.3%			
Consumer Discretionary	-0.6%	-0.6%	0.1%	-0.2%	-1.4%	3.1%	15.7%	12.2%			
Consumer Staples	0.3%	0.2%	0.1%	0.0%	-4.5%	-7.1%	6.5%	8.2%			
Health Care	0.2%	0.2%	0.0%	0.0%	-0.1%	-1.3%	12.3%	13.8%			
Financials	0.2%	0.2%	0.0%	0.0%	0.3%	-0.9%	13.7%	14.8%			
Information Technology	-0.1%	0.5%	-0.4%	-0.2%	5.7%	3.5%	13.2%	23.8%			
Telecommunication Services	0.1%	0.1%	0.1%	0.0%	-4.9%	-7.5%	0.6%	2.1%			
Utilities	-0.1%	0.0%	-0.1%	0.0%	-2.7%	-3.3%	5.7%	2.9%			
Real Estate	-0.3%	0.0%	-0.2%	0.0%	-6.2%	-5.0%	6.7%	2.9%			
Cash	0.0%	--	--	--	--	--	0.0%	0.0%			
Portfolio	-0.4%	=	0.6%	+	-0.5%	+	-0.5%	-1.1%	-0.8%	100.0%	100.0%

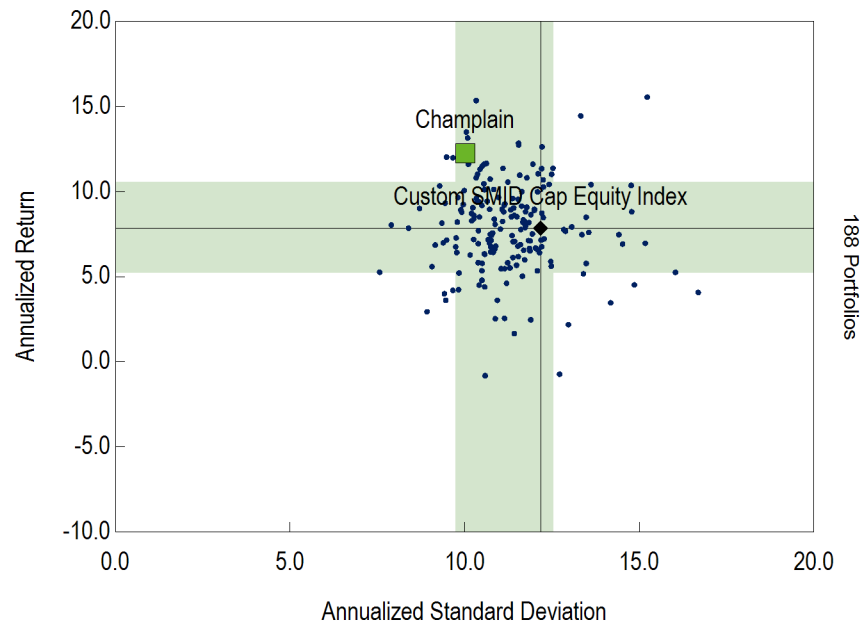


SSGA S&P 500 EQUAL-WGT



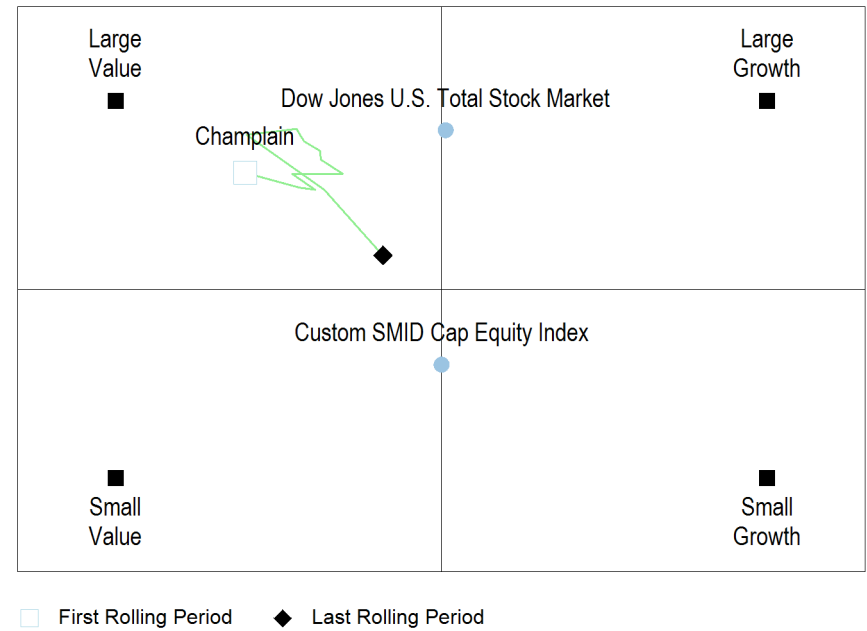
CHAMPLAIN

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



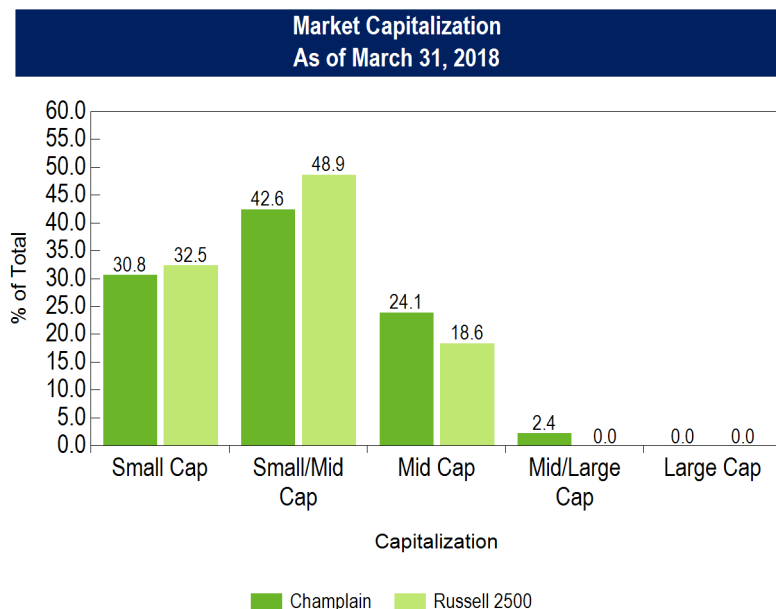
- Champlain
- ◆ Custom SMID Cap Equity Index
- 68% Confidence Interval
- eV US Mid Cap Equity Net

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

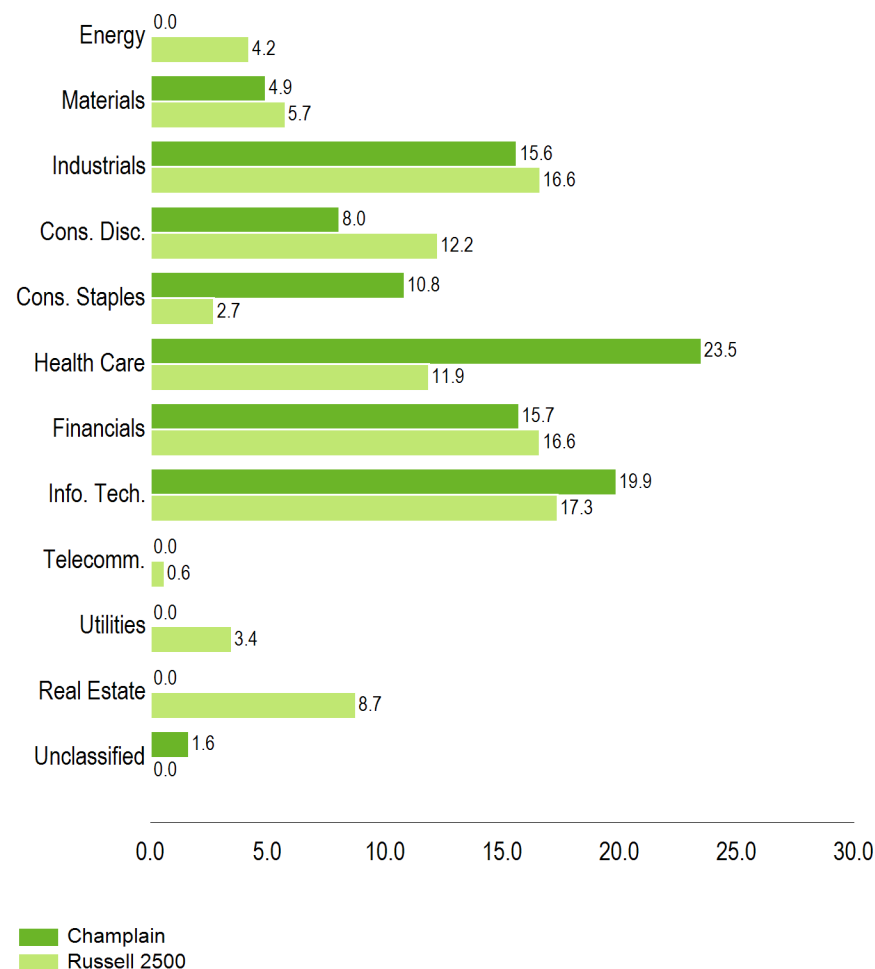


CHAMPLAIN

Characteristics		
	Portfolio	Russell 2500
Number of Holdings	119	2,470
Weighted Avg. Market Cap. (\$B)	6.99	5.27
Median Market Cap. (\$B)	3.72	1.18
Price To Earnings	29.57	22.59
Price To Book	6.28	3.49
Price To Sales	4.29	3.43
Return on Equity (%)	11.12	11.74
Yield (%)	0.84	1.25
Beta	0.74	1.00
R-Squared	0.82	1.00



Sector Allocation (%) vs Russell 2500



CHAMPLAIN

Top Ten Holdings	
INTEGRA LFSC.HDG.	3.0%
WILEY JOHN & SONS 'A'	2.3%
RITCHIE BROS.AUCTIONEERS (NYS)	2.1%
BLACKBAUD	2.1%
NUVASIVE	1.8%
LOGMEIN	1.7%
CATALENT	1.6%
CASH - USD	1.6%
RED HAT	1.6%
PROSPERITY BCSD.	1.6%

Top Positive Contributors		
	Relative Contribution %	Return %
OKTA CL.A	0.4%	55.6%
INTEGRA LFSC.HDG.	0.4%	15.6%
RED HAT	0.4%	24.5%
NEW RELIC	0.3%	28.3%
PALO ALTO NETWORKS	0.3%	25.2%
QUALYS	0.2%	22.6%
WORKDAY CLASS A	0.2%	24.9%
CONMED	0.2%	24.6%
SPLUNK	0.2%	18.8%
INSULET	0.2%	25.6%

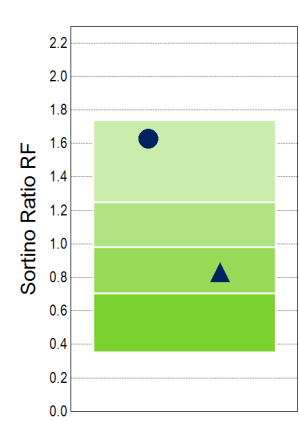
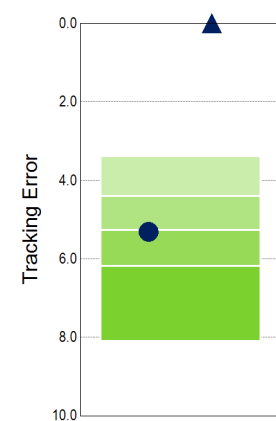
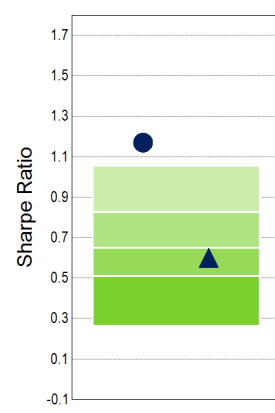
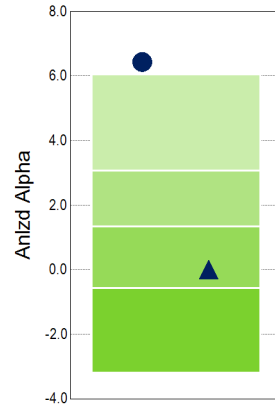
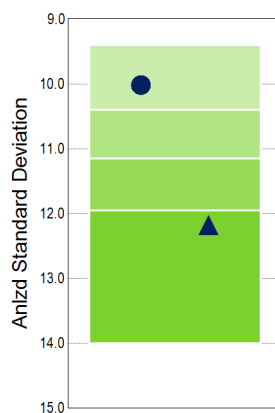
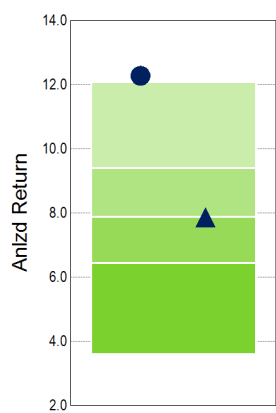
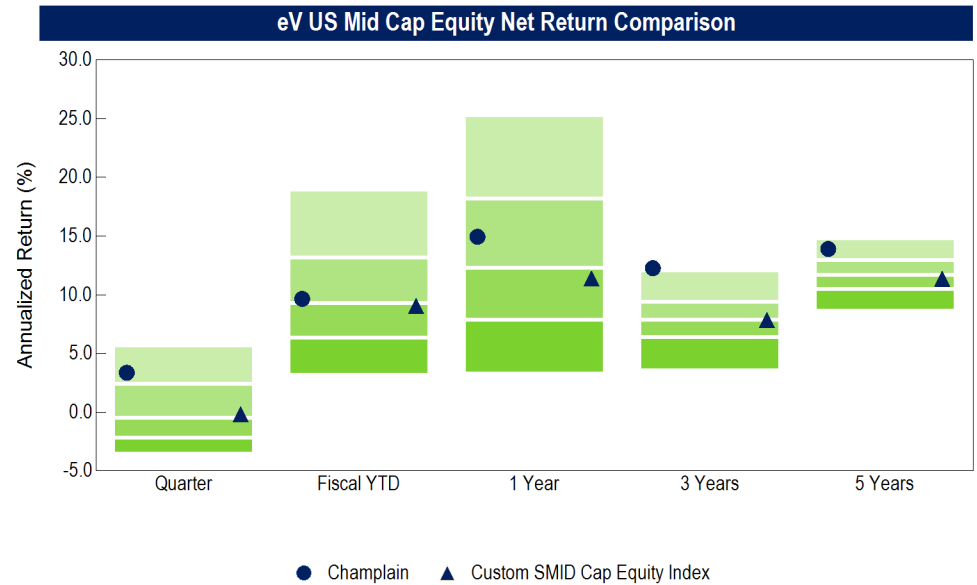
Top Negative Contributors		
	Relative Contribution %	Return %
TREEHOUSE FOODS	-0.4%	-22.6%
B & G FOODS	-0.3%	-31.3%
DENTSPLY SIRONA	-0.3%	-23.4%
WELBILT	-0.2%	-17.3%
NUVASIVE	-0.2%	-10.7%
PRESTIGE BRANDS HOLDINGS	-0.1%	-24.1%
WOLVERINE WWD.	-0.1%	-9.1%
TRACTOR SUPPLY	-0.1%	-15.3%
STERICYCLE	-0.1%	-13.9%
ELF BEAUTY	-0.1%	-13.2%

Equity Sector Attribution											
	Total Effects	Selection Effect	Attribution Effects			Returns		Sector Weights			
			Allocation Effect	Interaction Effects		Portfolio	Benchmark	Portfolio	Benchmark		
Energy	0.3%	--	0.3%	--	--	-8.0%	0.0%	4.5%			
Materials	0.3%	0.2%	0.1%	-0.1%	-1.8%	-5.4%	3.8%	6.1%			
Industrials	0.0%	0.0%	0.0%	0.0%	-2.0%	-2.1%	15.2%	16.9%			
Consumer Discretionary	-0.1%	-0.3%	0.1%	0.1%	-4.6%	-2.3%	7.6%	12.6%			
Consumer Staples	-0.5%	-0.1%	-0.2%	-0.3%	-6.1%	-2.6%	10.4%	2.8%			
Health Care	0.3%	-0.1%	0.5%	-0.1%	3.7%	4.3%	20.8%	11.2%			
Financials	0.5%	0.7%	0.0%	-0.1%	6.0%	2.0%	14.4%	16.3%			
Information Technology	2.2%	1.5%	0.3%	0.4%	15.8%	6.7%	20.4%	16.1%			
Telecommunication Services	0.0%	--	0.0%	--	--	-4.8%	0.0%	0.5%			
Utilities	0.1%	--	0.1%	--	--	-3.4%	0.0%	3.6%			
Real Estate	0.7%	--	0.7%	--	--	-7.9%	0.0%	9.4%			
Cash	0.1%	0.0%	0.1%	0.0%	0.4%	--	7.3%	0.0%			
Portfolio	3.9%	=	1.9%	+	2.0%	+	0.0%	3.5%	-0.4%	100.0%	100.0%



CHAMPLAIN

Champlain employs a fundamental, bottom-up approach to investing in equity assets. They believe that superior companies purchased at attractive valuations have the highest probability to wealth creation. Champlain seeks strong businesses with credible and sincere management and aims to buy shares of their stock at discounts to fair or intrinsic value. Portfolio construction applies sector weight guidelines and position size rules to manage risk. The portfolio will have some exposure to at least seven out of the eight largest sectors of the S&P 400, with a maximum weighting on 25% in any one sector. Individual positions will not represent more than 2% of the respective companies' outstanding shares and are limited to no more than 5% of assets under management. The portfolio typically holds 50-75 securities with average position sizes of 2%. The strategy's minimum market cap is \$1.5 billion at purchase and a maximum market cap of \$15 billion. In general, no more than 10% of portfolio in stocks with a market cap below \$2B and no more than 5% of portfolio in companies with market cap above \$20B.



CHAMPLAIN

Characteristics		
	Portfolio	Russell 2500
Number of Holdings	119	2,470
Weighted Avg. Market Cap. (\$B)	7.0	5.3
Median Market Cap. (\$B)	3.7	1.2
Price To Earnings	29.6	22.6
Price To Book	6.3	3.5
Price To Sales	4.3	3.4
Return on Equity (%)	11.1	11.7
Yield (%)	0.8	1.3
Beta	0.7	1.0
R-Squared	0.8	1.0

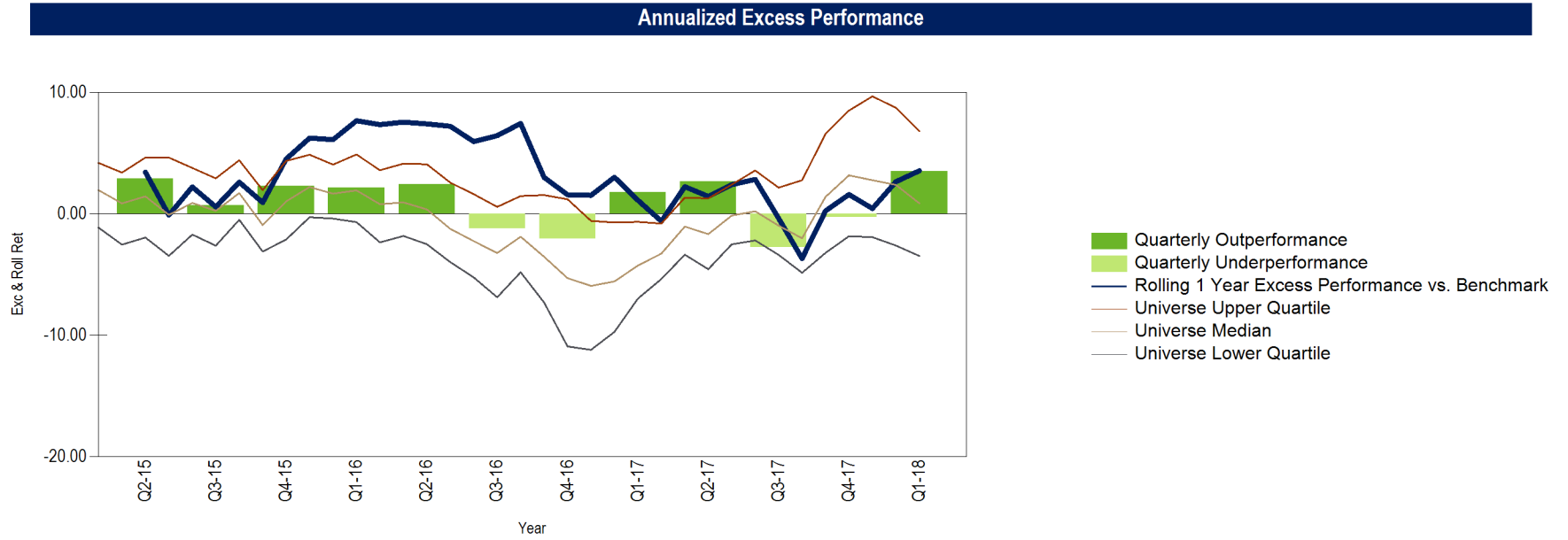
Top Positive Contributors		
	Relative Contribution %	Return %
OKTA CLA (OKTA)	0.4%	55.6%
INTEGRA LFSC.HDG. (IART)	0.4%	15.6%
RED HAT (RHT)	0.4%	24.5%
NEW RELIC (NEWR)	0.3%	28.3%
PALO ALTO NETWORKS (PANW)	0.3%	25.2%
QUALYS (QLYS)	0.2%	22.6%
WORKDAY CLASS A (WDAY)	0.2%	24.9%
CONMED (CNMD)	0.2%	24.6%
SPLUNK (SPLK)	0.2%	18.8%
INSULET (PODD)	0.2%	25.6%

Top Negative Contributors		
	Relative Contribution %	Return %
TREEHOUSE FOODS (THS)	-0.4%	-22.6%
B & G FOODS (BGS)	-0.3%	-31.3%
DENTSPLY SIRONA (XRAY)	-0.3%	-23.4%
WELBILT (WBT)	-0.2%	-17.3%
NUVASIVE (NUVA)	-0.2%	-10.7%
PRESTIGE BRANDS HOLDINGS (PBH)	-0.1%	-24.1%
WOLVERINE WWD. (WWW)	-0.1%	-9.1%
TRACTOR SUPPLY (TSCO)	-0.1%	-15.3%
STERICYCLE (SRCL)	-0.1%	-13.9%
ELF BEAUTY (ELF)	-0.1%	-13.2%

Champlain Performance Attribution vs. Russell 2500											
	Attribution Effects				Returns		Sector Weights				
	Total Effects	Selection Effect	Allocation Effect	Interaction Effects	Portfolio	Benchmark	Portfolio	Benchmark			
Energy	0.4%	--	0.4%	--	--	-8.0%	0.0%	4.5%			
Materials	0.3%	0.2%	0.1%	-0.1%	-1.8%	-5.4%	3.8%	6.1%			
Industrials	0.1%	0.0%	0.0%	0.0%	-2.0%	-2.1%	15.2%	16.9%			
Consumer Discretionary	-0.1%	-0.3%	0.1%	0.1%	-4.6%	-2.3%	7.6%	12.6%			
Consumer Staples	-0.6%	-0.1%	-0.2%	-0.3%	-6.1%	-2.6%	10.4%	2.8%			
Health Care	0.3%	-0.1%	0.4%	-0.1%	3.7%	4.3%	20.8%	11.2%			
Financials	0.5%	0.7%	0.0%	-0.1%	6.0%	2.0%	14.4%	16.3%			
Information Technology	2.1%	1.5%	0.3%	0.4%	15.8%	6.7%	20.4%	16.1%			
Telecommunication Services	0.0%	--	0.0%	--	--	-4.8%	0.0%	0.5%			
Utilities	0.1%	--	0.1%	--	--	-3.4%	0.0%	3.6%			
Real Estate	0.7%	--	0.7%	--	--	-7.9%	0.0%	9.4%			
Cash	0.0%	0.0%	0.0%	0.0%	0.4%	--	7.3%	0.0%			
Portfolio	3.9%	=	1.9%	+	2.0%	+	0.0%	3.5%	-0.4%	100.0%	100.0%

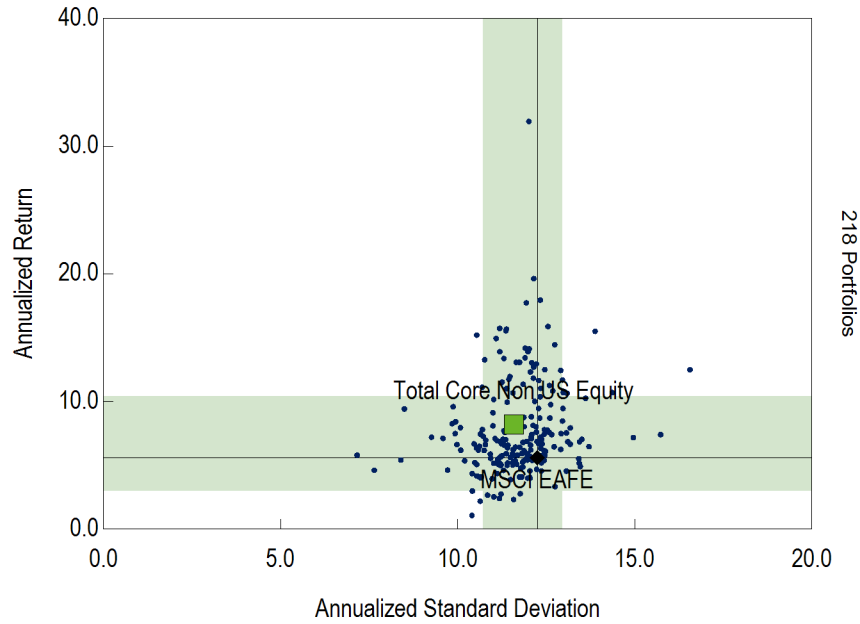


CHAMPLAIN



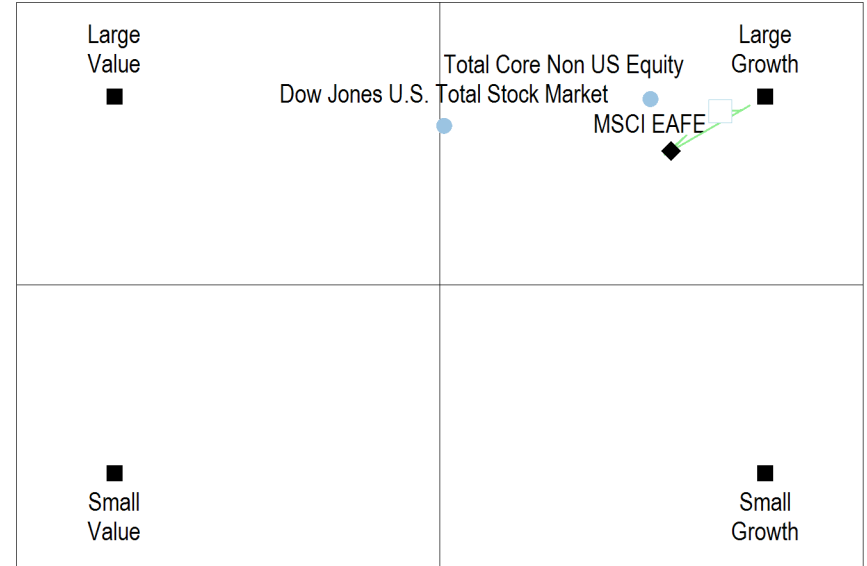
INT'L EQUITY COMPOSITE

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



- Total Core Non US Equity
- ◆ MSCI EAFE
- 68% Confidence Interval
- eV All EAFE Equity Net

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

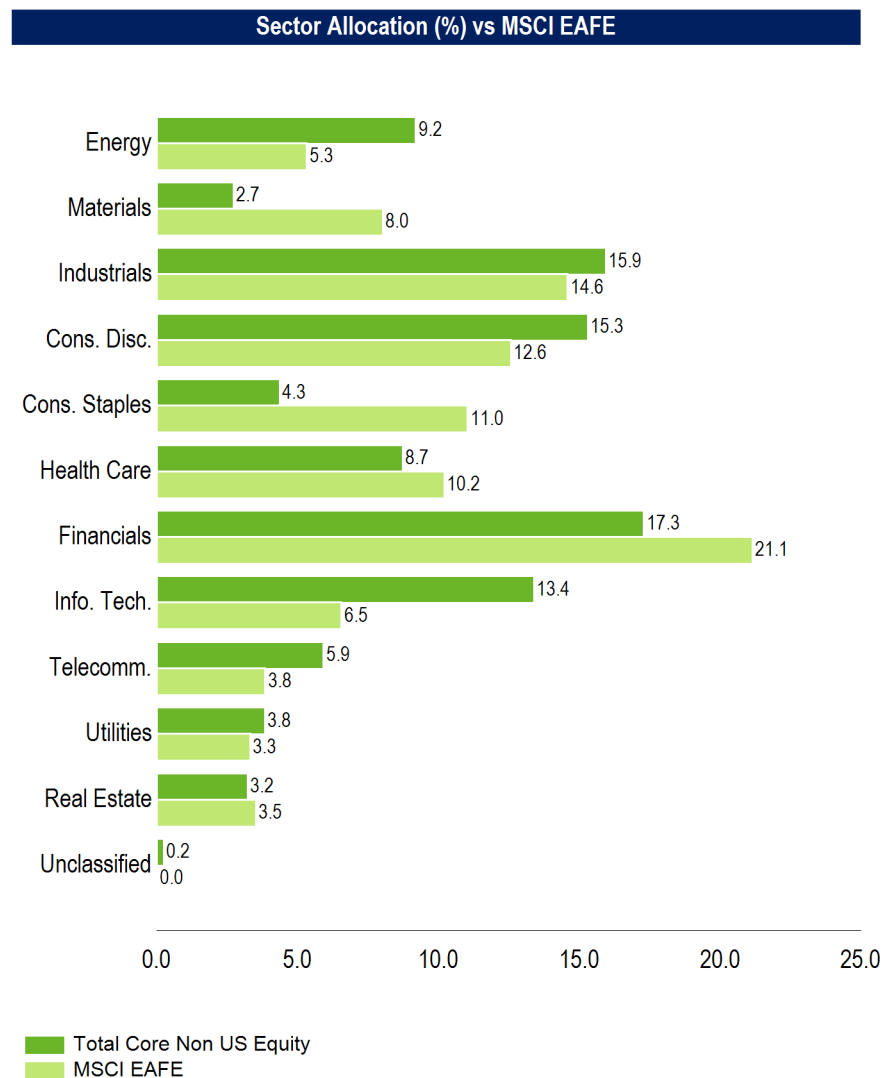
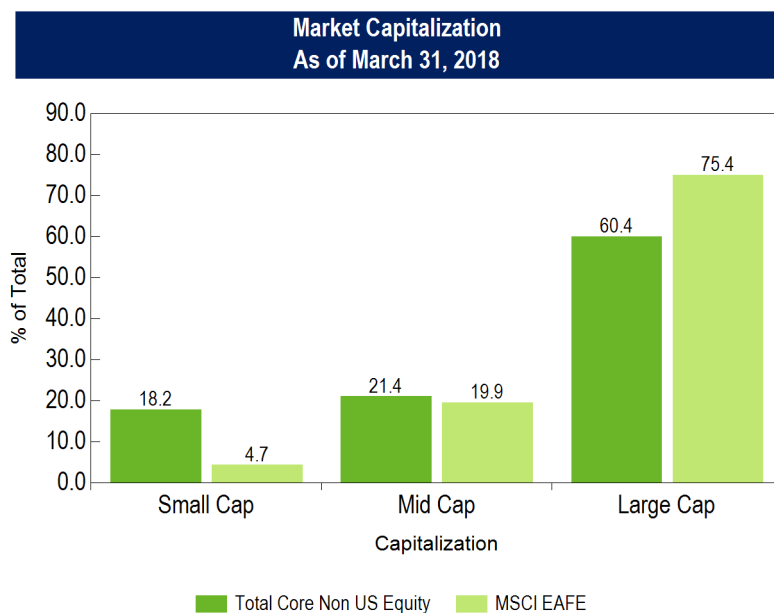


- First Rolling Period
- ◆ Last Rolling Period



INT'L EQUITY COMPOSITE

Characteristics		
	Portfolio	MSCI EAFE
Number of Holdings	480	926
Weighted Avg. Market Cap. (\$B)	49.18	56.94
Median Market Cap. (\$B)	1.81	11.17
Price To Earnings	15.53	18.12
Price To Book	2.40	2.46
Price To Sales	1.98	2.22
Return on Equity (%)	15.62	14.17
Yield (%)	3.17	3.19
Beta	0.93	1.00
R-Squared	0.98	1.00



INT'L EQUITY COMPOSITE

Top Ten Holdings	
ROYAL DUTCH SHELL B	1.9%
ALIBABA GROUP HLDG.SPN. ADR 1:1	1.9%
SANOFI	1.7%
UNITED OVERSEAS BANK	1.7%
ENEL	1.7%
HONDA MOTOR	1.7%
ROYAL DUTCH SHELL A	1.7%
ENI	1.6%
ALLIANZ	1.6%
TELIA COMPANY	1.6%

Top Positive Contributors		
	Relative Contribution %	Return %
PEUGEOT	0.1%	18.1%
QANTAS AIRWAYS	0.1%	14.8%
FUJI SOFT	0.1%	24.7%
ALIBABA GROUP HLDG.SPN. ADR 1:1	0.1%	6.4%
KONINKLIJKE AHOLD DELHAIZE	0.1%	7.5%
H LUNDBECK	0.1%	12.3%
TAIWAN SEMICON.MNFG.	0.1%	9.4%
UNITED OVERSEAS BANK	0.1%	6.0%
STANDARD BK.GP.	0.1%	16.8%
NEXT	0.1%	10.1%

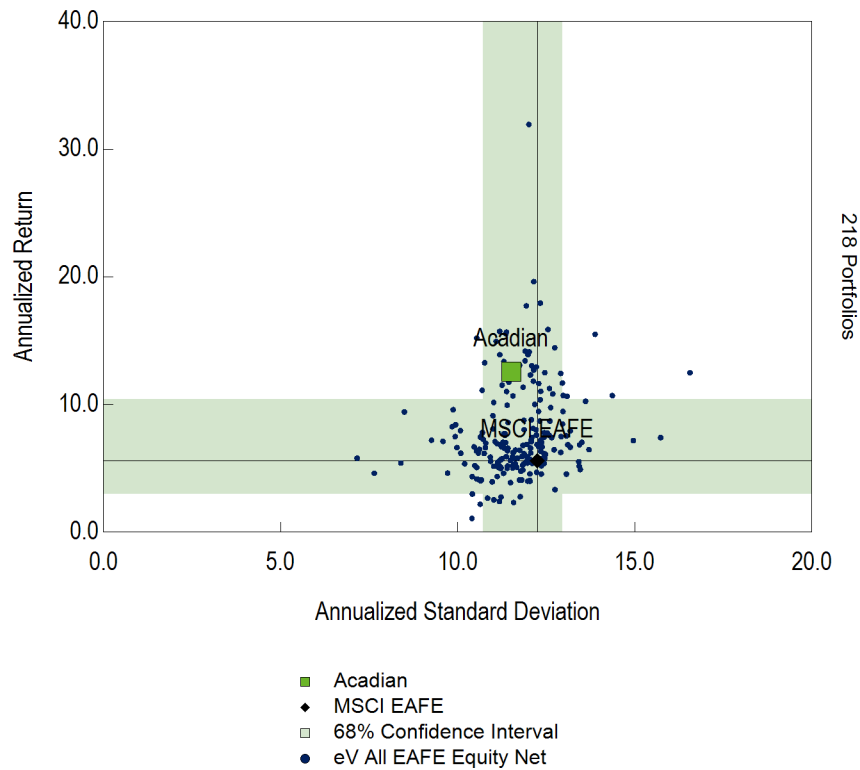
Top Negative Contributors		
	Relative Contribution %	Return %
AIR FRANCE-KLM	-0.2%	-32.0%
NORSK HYDRO	-0.2%	-23.2%
DEUTSCHE LUFTHANSA	-0.1%	-13.5%
TAKEDA PHARMACEUTICAL	-0.1%	-12.8%
DAITO TST.CONSTRUCTION	-0.1%	-13.9%
JAFCO	-0.1%	-18.2%
LONZA GROUP	-0.1%	-13.0%
KINGFISHER	-0.1%	-10.2%
ABB LTD N	-0.1%	-11.5%
FUJITSU	-0.1%	-12.8%

	Equity Sector Attribution										
	Total Effects	Selection Effect	Attribution Effects			Returns		Sector Weights			
			Allocation Effect	Interaction Effects	Portfolio	Benchmark	Portfolio	Benchmark			
Energy	0.1%	0.0%	0.0%	0.1%	-2.4%	-1.8%	10.3%	5.3%			
Materials	-0.2%	-0.4%	0.1%	0.1%	-8.8%	-3.7%	3.8%	8.2%			
Industrials	-0.4%	-0.2%	0.0%	-0.1%	-3.8%	-1.4%	15.4%	14.7%			
Consumer Discretionary	0.0%	0.0%	0.0%	0.0%	-0.1%	0.6%	14.7%	12.3%			
Consumer Staples	0.2%	0.5%	0.1%	-0.3%	2.2%	-2.9%	6.0%	11.2%			
Health Care	-0.1%	-0.1%	0.0%	0.0%	-1.5%	-0.6%	9.4%	10.1%			
Financials	0.2%	0.5%	0.0%	-0.3%	0.2%	-2.1%	15.7%	21.3%			
Information Technology	0.1%	0.0%	0.1%	0.0%	-0.7%	1.2%	12.7%	6.4%			
Telecommunication Services	0.0%	0.1%	0.0%	-0.1%	-3.6%	-3.9%	5.4%	3.9%			
Utilities	-0.1%	-0.1%	0.0%	0.0%	-1.6%	1.5%	3.3%	3.2%			
Real Estate	-0.2%	-0.2%	0.0%	0.1%	-6.0%	-1.1%	3.4%	3.4%			
Cash	0.0%	--	--	--	--	--	0.0%	0.0%			
Portfolio	-0.3%	=	0.1%	+	0.2%	+	-0.6%	-1.7%	-1.4%	100.0%	100.0%

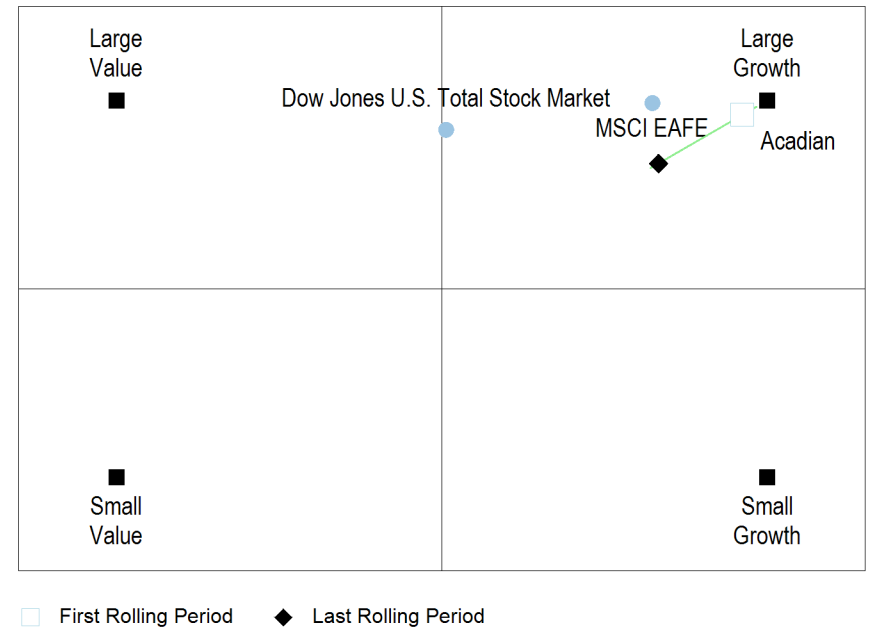


ACADIAN

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

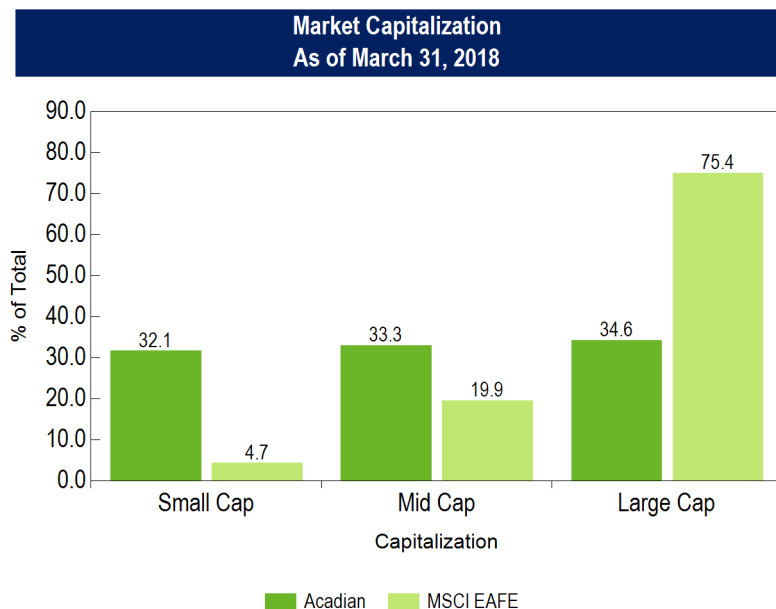


U.S. Effective Style Map
3 Years Ending March 31, 2018

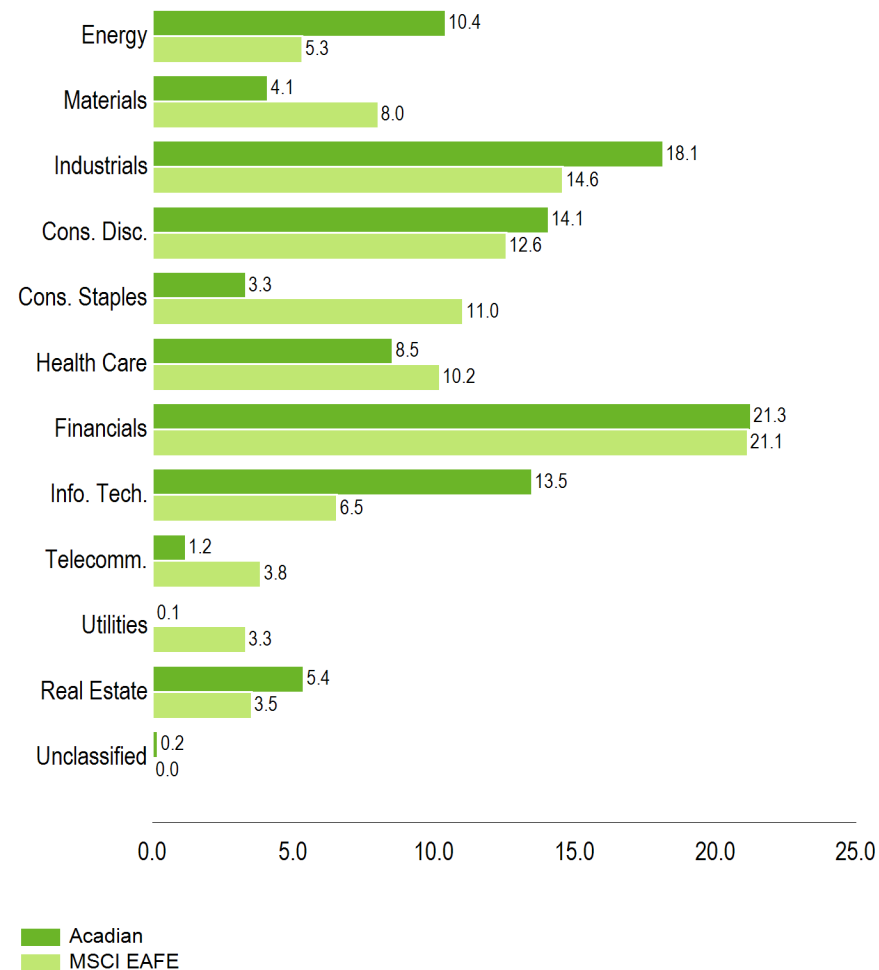


ACADIAN

Characteristics		
	Portfolio	MSCI EAFE
Number of Holdings	385	926
Weighted Avg. Market Cap. (\$B)	24.16	56.94
Median Market Cap. (\$B)	0.83	11.17
Price To Earnings	17.06	18.12
Price To Book	2.61	2.46
Price To Sales	1.59	2.22
Return on Equity (%)	18.03	14.17
Yield (%)	2.63	3.19
Beta	0.90	1.00
R-Squared	0.91	1.00



Sector Allocation (%) vs MSCI EAFE



ACADIAN

Top Ten Holdings	
ROYAL DUTCH SHELL A	3.5%
PEUGEOT	2.2%
SWISS LIFE HOLDING	2.2%
ROYAL BANK OF CANADA	2.1%
DAITO TST.CONSTRUCTION	2.0%
TORONTO-DOMINION BANK	2.0%
DEUTSCHE LUFTHANSA	2.0%
ICON	1.9%
NESTE	1.9%
ARISTOCRAT LEISURE	1.9%

Top Positive Contributors		
	Relative Contribution %	Return %
PEUGEOT	0.3%	18.1%
QANTAS AIRWAYS	0.2%	14.8%
FUJI SOFT	0.2%	24.7%
H LUNDBECK	0.2%	12.3%
STANDARD BK.GP.	0.1%	16.8%
NESTE	0.1%	8.7%
FIAT CHRYSLER AUTOS.	0.1%	13.4%
EXOR ORD	0.1%	15.7%
ICON	0.1%	5.3%
YA-MAN	0.1%	34.7%

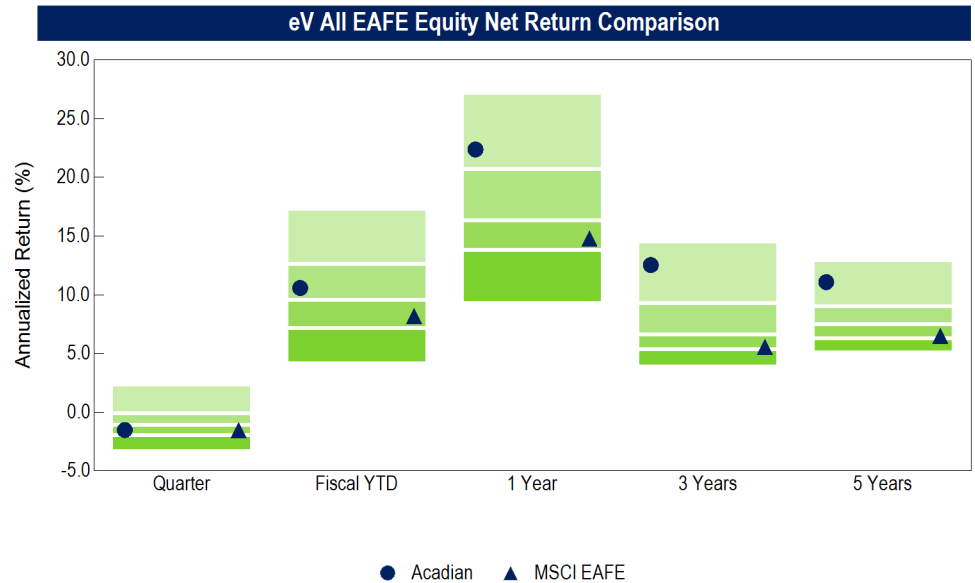
Top Negative Contributors		
	Relative Contribution %	Return %
AIR FRANCE-KLM	-0.5%	-32.0%
NORSK HYDRO	-0.5%	-23.2%
DEUTSCHE LUFTHANSA	-0.3%	-13.5%
DAITO TST.CONSTRUCTION	-0.3%	-13.9%
LONZA GROUP	-0.3%	-13.0%
JAFCO	-0.3%	-18.2%
FUJITSU	-0.2%	-12.8%
KT ADR 2:1	-0.2%	-12.2%
CANADIAN IMP.BK.COM.	-0.1%	-8.7%
ROYAL DUTCH SHELL A	-0.1%	-3.5%

Equity Sector Attribution											
	Total Effects	Selection Effect	Attribution Effects			Returns		Sector Weights			
			Allocation Effect	Interaction Effects	Portfolio	Benchmark	Portfolio	Benchmark			
Energy	0.1%	0.0%	0.0%	0.1%	-2.1%	-1.8%	11.0%	5.3%			
Materials	-0.4%	-0.4%	0.0%	0.0%	-9.7%	-3.7%	6.5%	8.2%			
Industrials	-0.2%	-0.1%	0.0%	-0.1%	-3.2%	-1.4%	18.4%	14.7%			
Consumer Discretionary	0.3%	0.4%	0.0%	-0.1%	2.5%	0.6%	13.9%	12.3%			
Consumer Staples	0.0%	0.3%	0.1%	-0.4%	0.4%	-2.9%	3.5%	11.2%			
Health Care	0.0%	0.2%	0.0%	-0.2%	0.5%	-0.6%	8.6%	10.1%			
Financials	0.2%	0.5%	0.0%	-0.3%	-0.6%	-2.1%	16.7%	21.3%			
Information Technology	0.0%	-0.1%	0.1%	0.0%	-1.6%	1.2%	14.1%	6.4%			
Telecommunication Services	-0.1%	-0.2%	0.1%	0.0%	-12.0%	-3.9%	1.5%	3.9%			
Utilities	-0.2%	0.2%	-0.1%	-0.3%	3.2%	1.5%	0.1%	3.2%			
Real Estate	-0.3%	-0.3%	0.0%	0.0%	-7.0%	-1.1%	5.8%	3.4%			
Cash	0.0%	--	--	--	--	--	0.0%	0.0%			
Portfolio	-0.5%	=	0.4%	+	0.3%	+	-1.2%	-1.9%	-1.4%	100.0%	100.0%

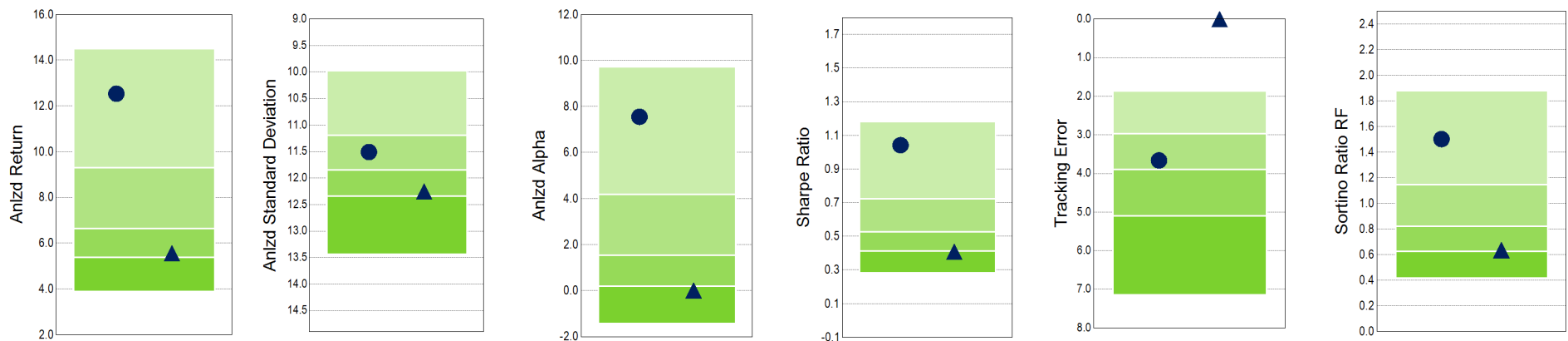


ACADIAN

Acadian believes that the larger the pool of potential investments, the greater the potential opportunity an active manager has to add value. They believe that stocks and markets have many attributes that are related to potential outperformance, and that a successful investment approach must be multi-faceted and highly adaptable. They believe that objectivity is crucial to investment success. Acadian's quantitative process and extensive database allows them to apply their valuation techniques to over 40,000 stocks worldwide. They do not limit the universe other than to employ screens based on invest-ability and availability of data. For example, they only evaluate stocks that have sufficient daily trading volume to be appropriate for institutional investment. Other than these practical considerations, they consider our investment universe to encompass all institutionally investable stocks in the world.



3 Year Risk Statistics



ACADIAN

Characteristics	Portfolio	MSCI EAFE
Number of Holdings	385	926
Weighted Avg. Market Cap. (\$B)	24.2	56.9
Median Market Cap. (\$B)	0.8	11.2
Price To Earnings	17.1	18.1
Price To Book	2.6	2.5
Price To Sales	1.6	2.2
Return on Equity (%)	18.0	14.2
Yield (%)	2.6	3.2
Beta	0.9	1.0
R-Squared	0.9	1.0

Top Positive Contributors	Relative Contribution %	Return %
PEUGEOT (F:PGT)	0.3%	18.1%
QANTAS AIRWAYS (A:QANX)	0.2%	14.8%
FUJI SOFT (J:FUST)	0.2%	24.7%
H LUNDBECK (DK:LUN)	0.2%	12.3%
STANDARD BK.GP. (R:SBKJ)	0.1%	16.8%
NESTE (M:NEST)	0.1%	8.7%
FIAT CHRYSLER AUTOS. (I:FCA)	0.1%	13.4%
EXOR ORD (I:EXOR)	0.1%	15.7%
ICON (ICLR)	0.1%	5.3%
YA-MAN (J:YAMN)	0.1%	34.7%

Top Negative Contributors	Relative Contribution %	Return %
AIR FRANCE-KLM (F:UTA)	-0.5%	-32.0%
NORSK HYDRO (N:NHY)	-0.5%	-23.2%
DEUTSCHE LUFTHANSA (D:LHA)	-0.3%	-13.5%
DAITO TST.CONSTRUCTION (J:DITC)	-0.3%	-13.9%
LONZA GROUP (S:LONN)	-0.3%	-13.0%
JAFCO (J:ASSD)	-0.3%	-18.2%
FUJITSU (J:FT@N)	-0.2%	-12.8%
KT ADR 2:1 (KT)	-0.2%	-12.2%
CANADIAN IMP.BK.COM. (C:CM)	-0.1%	-8.7%
ROYAL DUTCH SHELL A (H:RDSA)	-0.1%	-3.5%

Acadian Performance Attribution vs. MSCI EAFE											
	Attribution Effects					Returns		Sector Weights			
	Total Effects	Selection Effect	Allocation Effect	Interaction Effects		Portfolio	Benchmark	Portfolio	Benchmark		
Energy	-0.1%	0.0%	-0.3%	0.1%		-2.1%	-1.8%	11.0%	5.3%		
Materials	-0.3%	-0.4%	0.1%	0.0%		-9.7%	-3.7%	6.5%	8.2%		
Industrials	-0.4%	-0.1%	-0.2%	-0.1%		-3.2%	-1.4%	18.4%	14.7%		
Consumer Discretionary	0.3%	0.4%	0.0%	-0.1%		2.5%	0.6%	13.9%	12.3%		
Consumer Staples	0.3%	0.3%	0.4%	-0.4%		0.4%	-2.9%	3.5%	11.2%		
Health Care	0.1%	0.2%	0.1%	-0.2%		0.5%	-0.6%	8.6%	10.1%		
Financials	0.4%	0.5%	0.2%	-0.3%		-0.6%	-2.1%	16.7%	21.3%		
Information Technology	-0.3%	-0.1%	-0.2%	0.0%		-1.6%	1.2%	14.1%	6.4%		
Telecommunication Services	0.0%	-0.2%	0.2%	0.0%		-12.0%	-3.9%	1.5%	3.9%		
Utilities	0.0%	0.2%	0.0%	-0.3%		3.2%	1.5%	0.1%	3.2%		
Real Estate	-0.4%	-0.3%	-0.1%	0.0%		-7.0%	-1.1%	5.8%	3.4%		
Cash	0.0%	--	--	--		--	--	0.0%	0.0%		
Portfolio	-0.5%	=	0.4%	+	0.3%	+	-1.2%	-1.9%	-1.4%	100.0%	100.0%



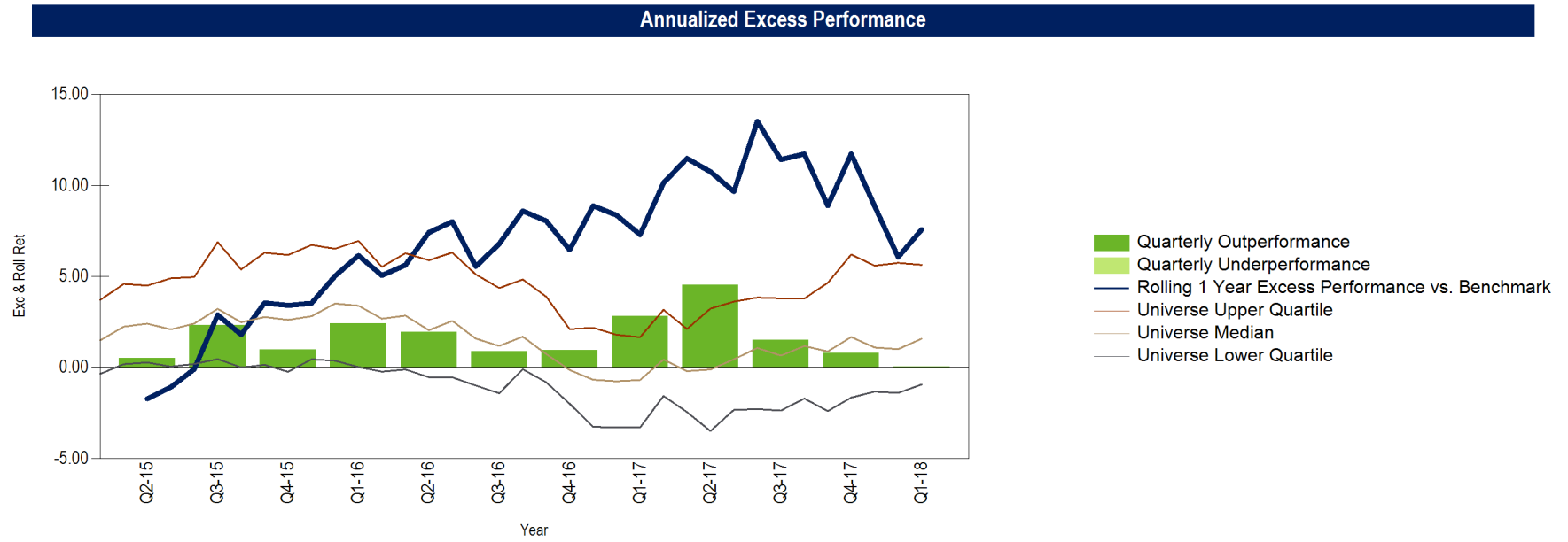
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Country Allocation				
	Manager	Index	Manager	Index
	Allocation (USD)	Allocation (USD)	Return (USD)	Return (USD)
Americas				
Canada	6.2%	0.0%	-5.5%	-7.4%
Mexico*	0.2%	0.0%	14.1%	0.9%
United States	0.1%	0.0%	-11.8%	-0.8%
Total-Americas	6.4%	0.0%	-5.1%	--
Europe				
Austria	1.7%	0.3%	-7.1%	2.2%
Belgium	0.3%	1.1%	-11.8%	0.6%
Denmark	1.4%	1.8%	11.5%	-1.1%
Finland	1.8%	0.9%	7.4%	8.6%
France	7.9%	10.5%	-1.7%	0.5%
Germany	8.6%	9.9%	-4.5%	-3.5%
Greece*	0.2%	0.0%	-0.3%	-6.7%
Ireland	1.9%	0.5%	5.3%	-5.7%
Italy	2.4%	2.4%	10.8%	5.5%
Luxembourg	0.2%	0.0%	2.8%	-1.4%
Netherlands	6.1%	3.6%	-2.2%	1.0%
Norway	2.4%	0.7%	-19.2%	2.4%
Poland*	0.0%	0.0%	-16.4%	-8.2%
Spain	3.6%	3.2%	-0.5%	-1.7%
Sweden	3.5%	2.7%	-0.9%	-1.8%
Switzerland	4.6%	8.1%	-6.6%	-3.9%
United Kingdom	7.8%	17.6%	-0.5%	-3.8%
Total-Europe	54.5%	63.3%	-1.9%	-1.8%

Country Allocation				
	Manager	Index	Manager	Index
	Allocation (USD)	Allocation (USD)	Return (USD)	Return (USD)
AsiaPacific				
Australia	6.0%	6.9%	7.0%	-6.1%
China*	0.1%	0.0%	19.1%	12.5%
Hong Kong	0.7%	3.6%	6.9%	-1.4%
Indonesia*	0.0%	0.0%	22.6%	3.0%
Japan	20.9%	24.1%	0.8%	0.8%
Korea*	5.7%	0.0%	-1.1%	3.7%
Malaysia*	0.4%	0.0%	2.0%	7.8%
New Zealand	0.4%	0.2%	0.6%	-4.9%
Philippines*	0.0%	0.0%	-12.0%	-1.3%
Singapore	0.9%	1.3%	10.4%	2.7%
Taiwan*	0.5%	0.0%	2.0%	7.6%
Thailand*	0.3%	0.0%	9.5%	8.5%
Total-AsiaPacific	36.1%	36.1%	2.1%	-0.7%
Other				
Israel	0.6%	0.5%	2.1%	-5.3%
South Africa*	2.1%	0.0%	4.9%	2.8%
Turkey*	0.1%	0.0%	18.8%	4.9%
Total-Other	2.8%	0.5%	4.6%	-5.3%
Totals				
Developed	90.4%	100.0%	4.4%	-1.4%
Emerging*	9.6%	0.0%	1.7%	--

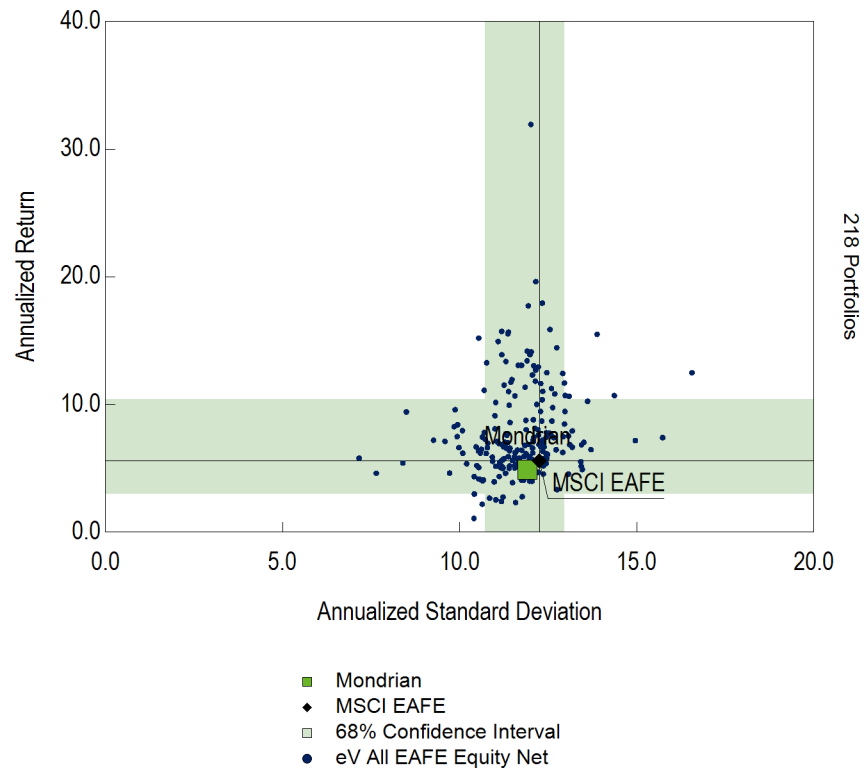


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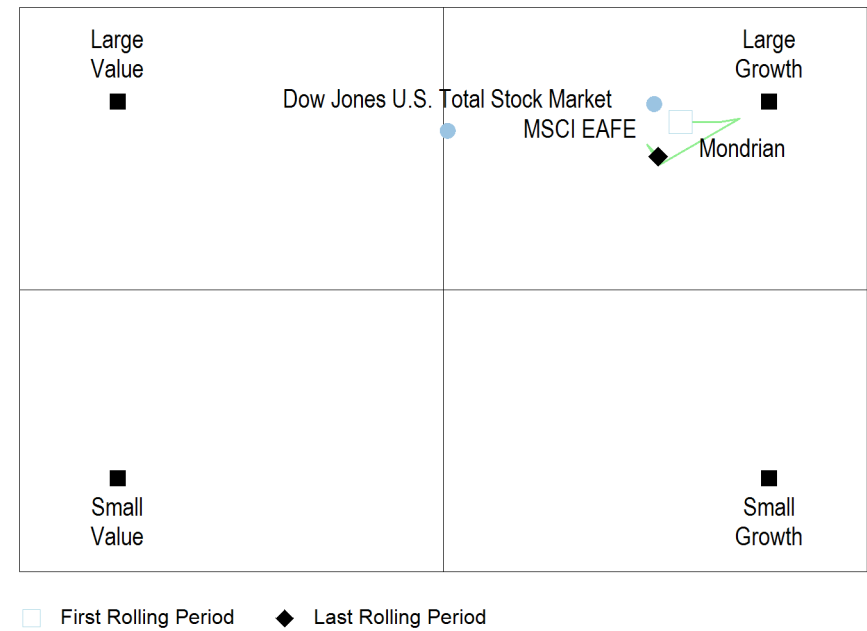


MONDRIAN

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

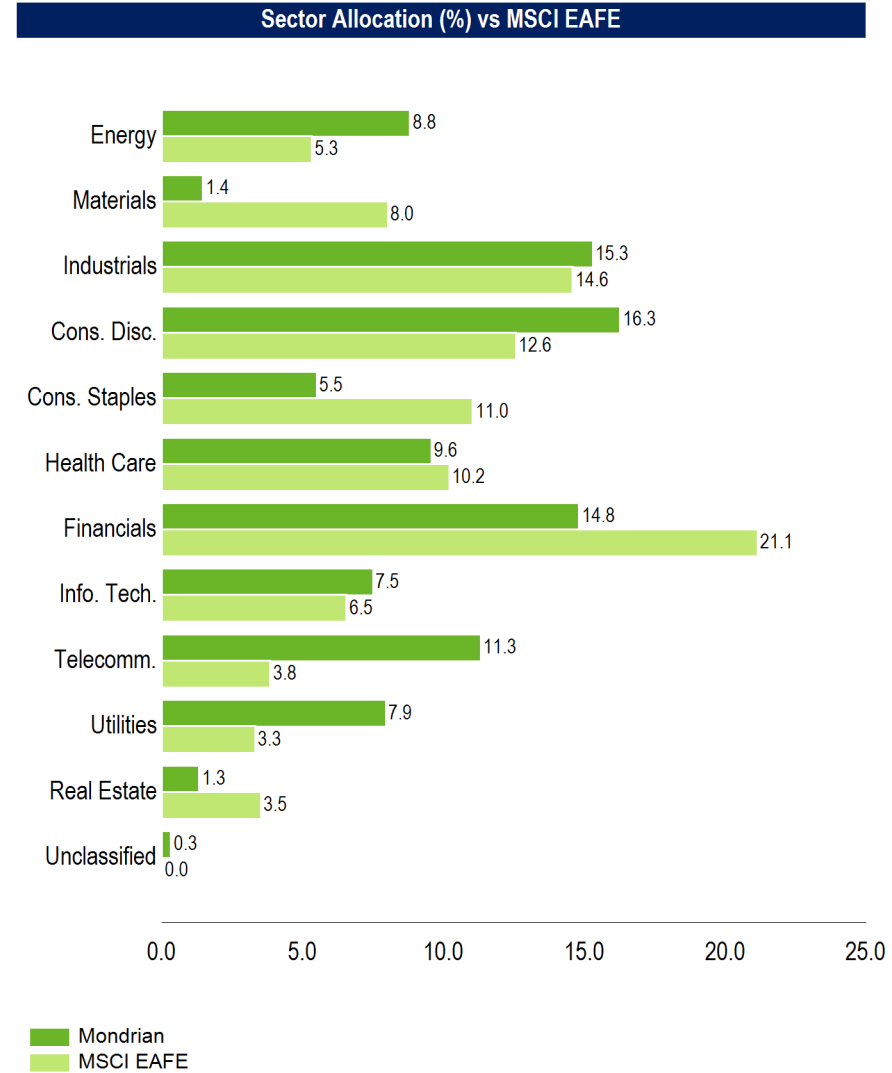
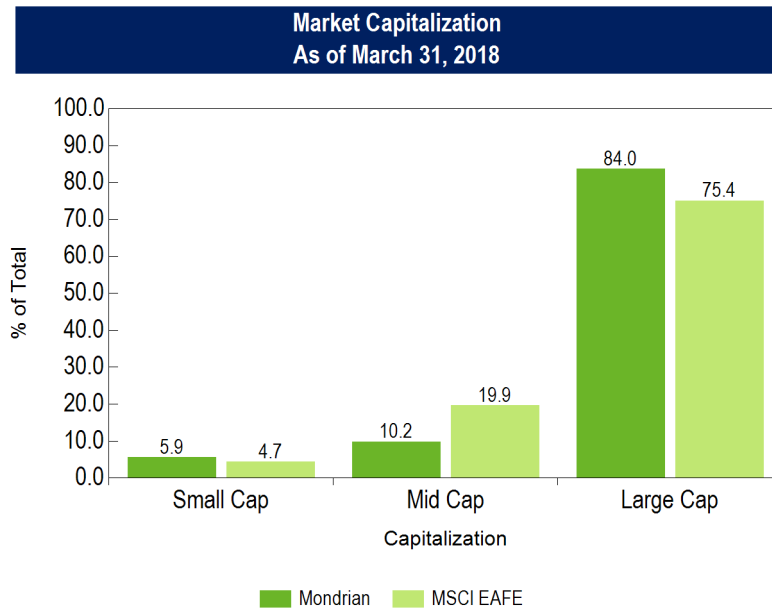


U.S. Effective Style Map
3 Years Ending March 31, 2018



MONDRIAN

Characteristics		
	Portfolio	MSCI EAFE
Number of Holdings	51	926
Weighted Avg. Market Cap. (\$B)	58.15	56.94
Median Market Cap. (\$B)	36.40	11.17
Price To Earnings	12.17	18.12
Price To Book	1.66	2.46
Price To Sales	1.47	2.22
Return on Equity (%)	12.42	14.17
Yield (%)	3.98	3.19
Beta	0.93	1.00
R-Squared	0.92	1.00



MONDRIAN

Top Ten Holdings	
ROYAL DUTCH SHELL B	4.1%
SANOFI	3.7%
UNITED OVERSEAS BANK	3.7%
ENEL	3.6%
HONDA MOTOR	3.6%
ENI	3.4%
TELIA COMPANY	3.3%
DAIMLER	3.1%
CK HUTCHISON HOLDINGS	2.9%
TAKEDA PHARMACEUTICAL	2.9%

Top Positive Contributors		
	Relative Contribution %	Return %
GLAXOSMITHKLINE	0.2%	11.2%
KONINKLIJKE AHOLD DELHAIZE	0.2%	7.5%
UNITED OVERSEAS BANK	0.2%	6.0%
TAIWAN SEMICON.MNFG.	0.2%	9.4%
ENI	0.1%	6.0%
NEXT	0.1%	10.1%
ZURICH INSURANCE GROUP	0.1%	7.5%
TELIA COMPANY	0.1%	4.9%
KIRIN HOLDINGS	0.1%	5.6%
TESCO	0.1%	2.0%

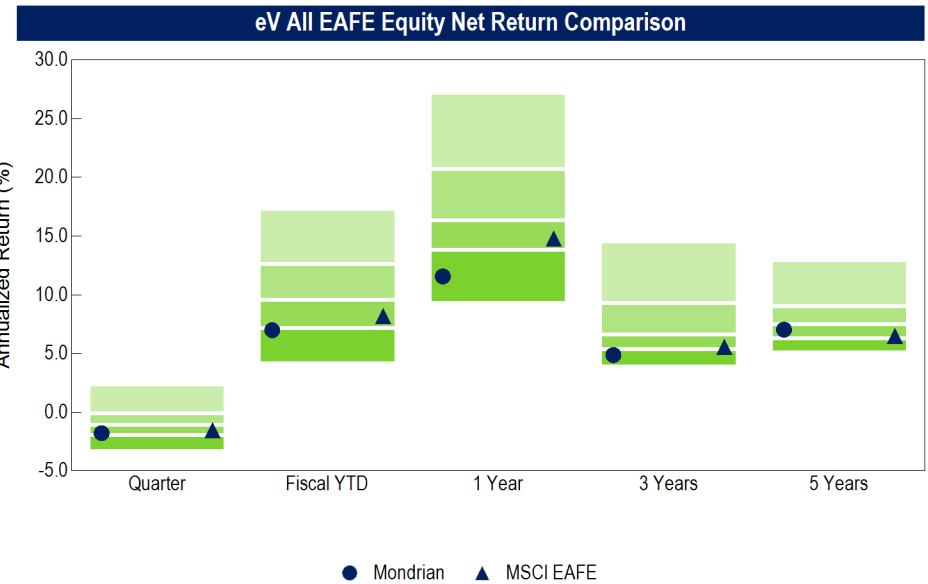
Top Negative Contributors		
	Relative Contribution %	Return %
TAKEDA PHARMACEUTICAL	-0.3%	-12.8%
ABB LTD N	-0.3%	-11.5%
KINGFISHER	-0.2%	-10.2%
CHINA MOBILE	-0.2%	-9.6%
WOOD GROUP (JOHN)	-0.2%	-13.8%
DEUTSCHE TELEKOM	-0.2%	-7.9%
SANOFI	-0.2%	-6.9%
QBE INSURANCE GROUP	-0.1%	-11.2%
WPP	-0.1%	-12.4%
ROYAL DUTCH SHELL B	-0.1%	-4.5%

Equity Sector Attribution											
	Total Effects	Selection Effect	Attribution Effects			Returns			Sector Weights		
			Allocation Effect	Interaction Effects		Portfolio	Benchmark	Portfolio	Benchmark		
Energy	0.0%	-0.1%	0.0%	0.1%	-2.6%	-1.8%	10.3%	5.3%			
Materials	-0.1%	-0.2%	0.1%	0.0%	-6.3%	-3.7%	1.3%	8.2%			
Industrials	-0.5%	-0.4%	0.0%	-0.1%	-4.7%	-1.4%	13.5%	14.7%			
Consumer Discretionary	-0.4%	-0.5%	0.0%	0.1%	-3.0%	0.6%	15.3%	12.3%			
Consumer Staples	0.5%	0.7%	0.0%	-0.2%	3.5%	-2.9%	8.8%	11.2%			
Health Care	-0.2%	-0.3%	0.0%	0.1%	-2.9%	-0.6%	10.7%	10.1%			
Financials	0.4%	0.6%	0.0%	-0.2%	1.0%	-2.1%	15.7%	21.3%			
Information Technology	-0.1%	0.0%	0.0%	-0.1%	-0.4%	1.2%	6.7%	6.4%			
Telecommunication Services	0.2%	0.2%	-0.2%	0.2%	-2.4%	-3.9%	9.7%	3.9%			
Utilities	0.0%	-0.1%	0.1%	0.0%	-1.7%	1.5%	6.8%	3.2%			
Real Estate	-0.1%	0.0%	0.0%	0.0%	-1.5%	-1.1%	1.2%	3.4%			
Cash	0.0%	--	--	--	--	--	0.0%	0.0%			
Portfolio	-0.3%	=	-0.2%	+	0.1%	+	-0.2%	-1.7%	-1.4%	100.0%	100.0%

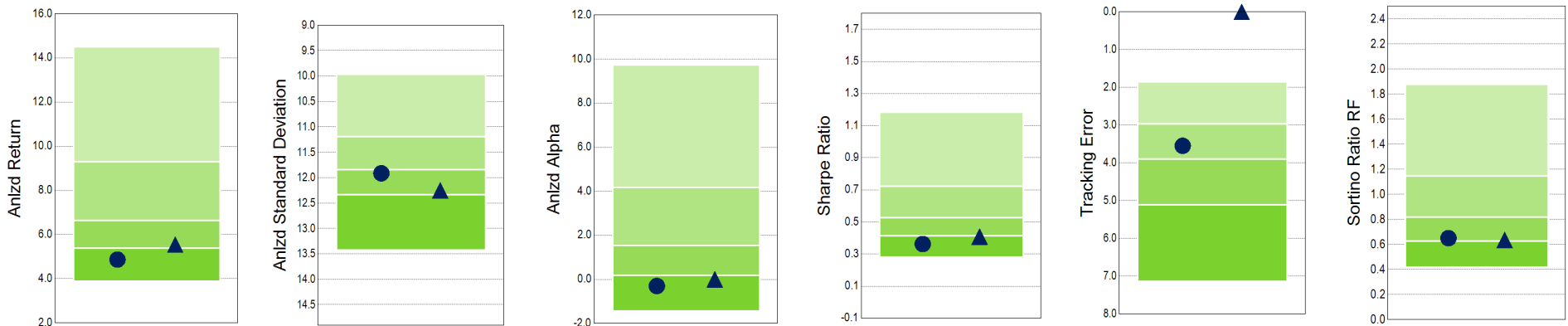


MONDRIAN

The firm is an active value-oriented defensive manager. The firm's value driven investment philosophy is based on the belief that investments need to be evaluated in terms of their fundamental long-term value. The firm believes that the value of a company lies in its future income stream as dividends represent the most direct form of cash flow to a shareholder. The firm uses an inflation adjusted dividend discount model to derive the underlying value of a company. This methodology is applied consistently to individual securities across all markets and industries. The universe spans markets covered in the MSCI Indices and those developing markets with adequate investor protection and good repatriation procedures. The firm will then narrow the universe to a list of more than 1000 securities on the basis of value criteria, and then further reduce this to a shorter list of approximately 250 securities annually, for detailed fundamental analysis. The screens include basic value characteristics such as price to book, price to cash flow ratio, price to earnings ratio, and yield, as well as liquidity considerations. A focus list of approximately 80 securities is then created from that list of approximately 250 through fundamental research and deliberations of the Equity Strategy Committee. It is this list of securities on which more detailed fundamental analysis and financial modeling is carried out utilizing the dividend discount model, which is based on an evaluation of a company's future income stream, which is then discounted in real terms.



3 Year Risk Statistics



MONDRIAN

Characteristics		
	Portfolio	MSCI EAFE
Number of Holdings	51	926
Weighted Avg. Market Cap. (\$B)	58.1	56.9
Median Market Cap. (\$B)	36.4	11.2
Price To Earnings	12.2	18.1
Price To Book	1.7	2.5
Price To Sales	1.5	2.2
Return on Equity (%)	12.4	14.2
Yield (%)	4.0	3.2
Beta	0.9	1.0
R-Squared	0.9	1.0

Top Positive Contributors		
	Relative Contribution %	Return %
GLAXOSMITHKLINE (UKIR:GSK)	0.2%	11.2%
KONINKLIJKE AHOLD DELHAIZE (H:AD)	0.2%	7.5%
UNITED OVERSEAS BANK (T:UOBS)	0.2%	6.0%
TAIWAN SEMICON.MNFG. (TW:TSM)	0.2%	9.4%
ENI (I:ENI)	0.1%	6.0%
NEXT (UKIR:NXT)	0.1%	10.1%
ZURICH INSURANCE GROUP (S:ZURN)	0.1%	7.5%
TELIA COMPANY (W:TEL)	0.1%	4.9%
KIRIN HOLDINGS (J:KB@N)	0.1%	5.6%
TESCO (UKIR:TSCO)	0.1%	2.0%

Top Negative Contributors		
	Relative Contribution %	Return %
TAKEDA PHARMACEUTICAL (J:TA@N)	-0.3%	-12.8%
ABB LTD N (S:ABBN)	-0.3%	-11.5%
KINGFISHER (UKIR:KGF)	-0.2%	-10.2%
CHINA MOBILE (K:CHT)	-0.2%	-9.6%
WOOD GROUP (JOHN) (UKIR:WG.)	-0.2%	-13.8%
DEUTSCHE TELEKOM (D:DTE)	-0.2%	-7.9%
SANOFI (F:SQ@F)	-0.2%	-6.9%
QBE INSURANCE GROUP (A:QBEX)	-0.1%	-11.2%
WPP (UKIR:WPP)	-0.1%	-12.4%
ROYAL DUTCH SHELL B (UKIR:RDSB)	-0.1%	-4.5%

Mondrian Performance Attribution vs. MSCI EAFE											
	Attribution Effects				Returns		Sector Weights				
	Total Effects	Selection Effect	Allocation Effect	Interaction Effects	Portfolio	Benchmark	Portfolio	Benchmark			
Energy	-0.2%	-0.1%	-0.2%	0.1%	-2.6%	-1.8%	10.3%	5.3%			
Materials	0.2%	-0.2%	0.4%	0.0%	-6.3%	-3.7%	1.3%	8.2%			
Industrials	-0.4%	-0.4%	0.1%	-0.1%	-4.7%	-1.4%	13.5%	14.7%			
Consumer Discretionary	-0.5%	-0.5%	-0.1%	0.1%	-3.0%	0.6%	15.3%	12.3%			
Consumer Staples	0.6%	0.7%	0.1%	-0.2%	3.5%	-2.9%	8.8%	11.2%			
Health Care	-0.3%	-0.3%	0.0%	0.1%	-2.9%	-0.6%	10.7%	10.1%			
Financials	0.6%	0.6%	0.2%	-0.2%	1.0%	-2.1%	15.7%	21.3%			
Information Technology	-0.1%	0.0%	0.0%	-0.1%	-0.4%	1.2%	6.7%	6.4%			
Telecommunication Services	-0.1%	0.2%	-0.4%	0.2%	-2.4%	-3.9%	9.7%	3.9%			
Utilities	-0.2%	-0.1%	0.0%	0.0%	-1.7%	1.5%	6.8%	3.2%			
Real Estate	0.0%	0.0%	0.1%	0.0%	-1.5%	-1.1%	1.2%	3.4%			
Cash	0.0%	--	--	--	--	--	0.0%	0.0%			
Portfolio	-0.3%	=	-0.2%	+	0.1%	+	-0.2%	-1.7%	-1.4%	100.0%	100.0%



MONDRIAN

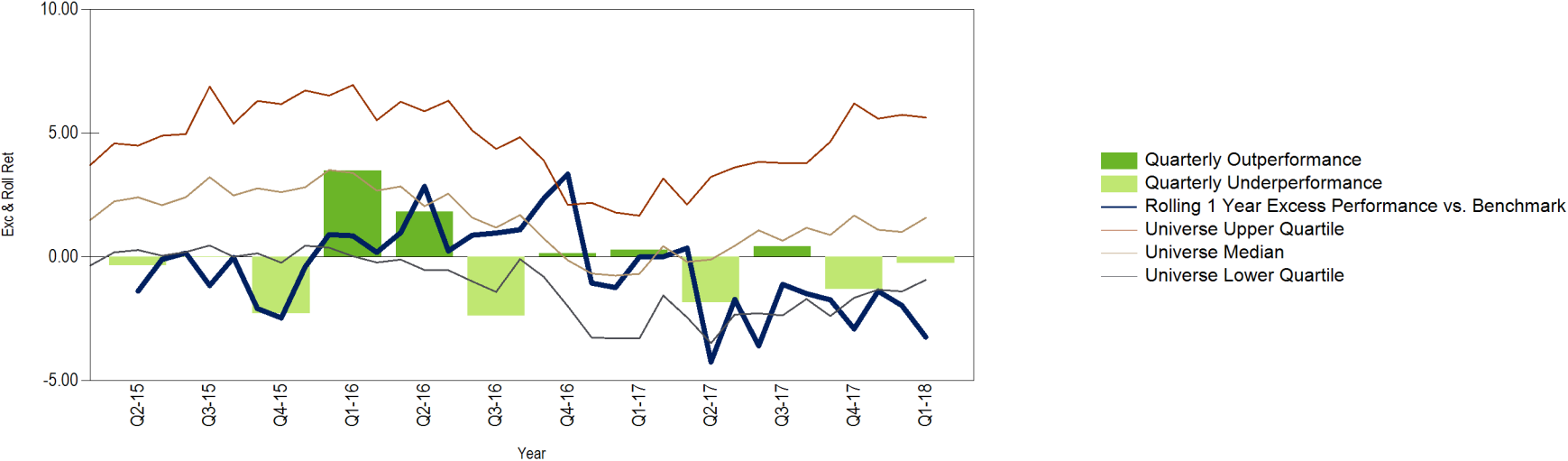
Country Allocation				
	Manager	Index	Manager	Index
	Allocation (USD)	Allocation (USD)	Return (USD)	Return (USD)
Europe				
Denmark	1.3%	1.8%	-4.8%	-1.1%
France	6.0%	10.5%	-3.6%	0.5%
Germany	11.2%	9.9%	-3.1%	-3.5%
Italy	5.6%	2.4%	3.5%	5.5%
Netherlands	2.7%	3.6%	7.2%	1.0%
Norway	0.0%	0.7%	0.7%	2.4%
Spain	5.0%	3.2%	-1.3%	-1.7%
Sweden	3.9%	2.7%	2.7%	-1.8%
Switzerland	7.1%	8.1%	-2.4%	-3.9%
United Kingdom	24.2%	17.6%	-2.3%	-3.8%
Total-Europe	67.1%	63.3%	-1.4%	-1.8%

Country Allocation				
	Manager	Index	Manager	Index
	Allocation (USD)	Allocation (USD)	Return (USD)	Return (USD)
AsiaPacific				
Australia	1.4%	7.0%	-11.2%	-6.1%
Hong Kong	5.5%	3.6%	-6.5%	-1.4%
Japan	18.0%	24.2%	-3.1%	0.8%
Singapore	6.4%	1.3%	2.1%	2.9%
Taiwan*	1.7%	0.0%	9.4%	4.9%
Total-AsiaPacific	32.9%	36.2%	-2.4%	-0.7%
Totals				
Developed	98.3%	100.0%	-1.9%	-1.4%
Emerging*	1.7%	0.0%	9.4%	--



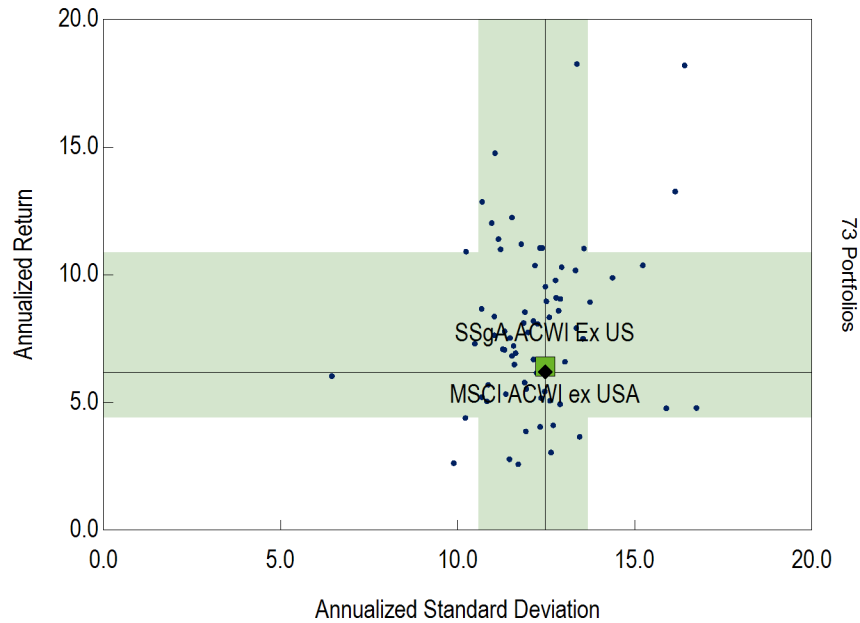
MONDRIAN

Annualized Excess Performance



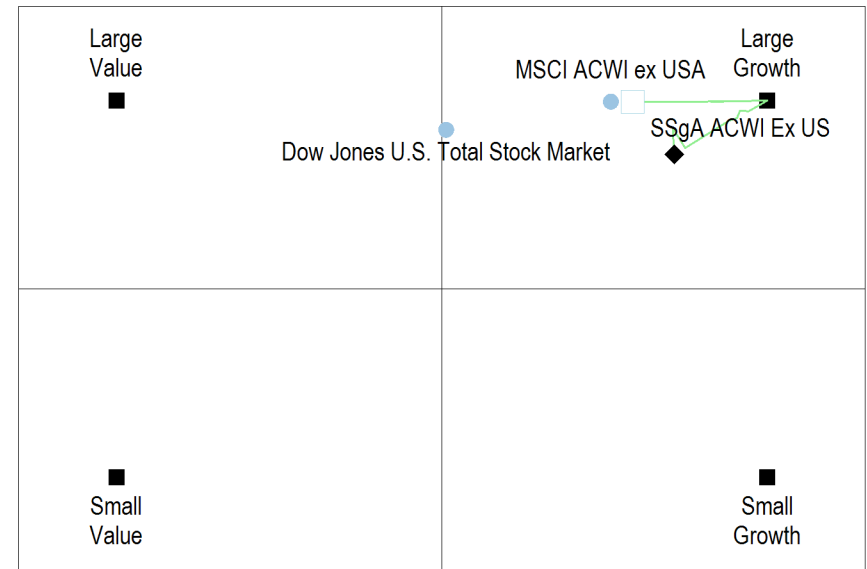
SSGA ACWI EX US

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



- SSGA ACWI Ex US
- ◆ MSCI ACWI ex USA
- 68% Confidence Interval
- eV ACWI ex-US All Cap Equity Net

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

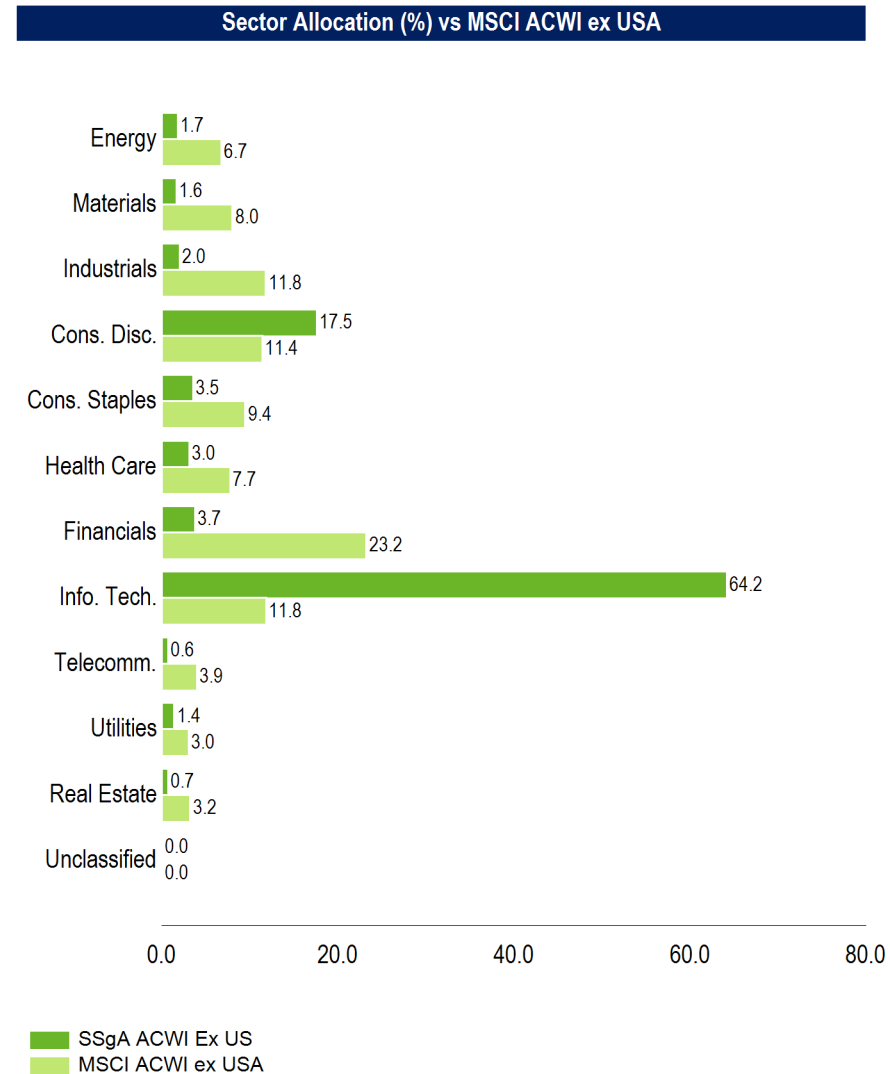
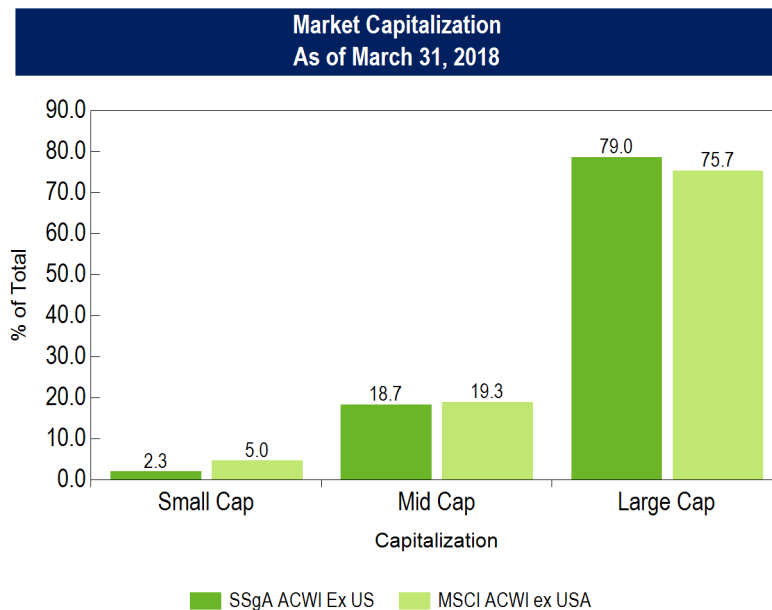


- First Rolling Period
- ◆ Last Rolling Period



SSGA ACWI EX US

Characteristics		
	Portfolio	MSCI ACWI ex USA
Number of Holdings	48	1,864
Weighted Avg. Market Cap. (\$B)	188.16	64.97
Median Market Cap. (\$B)	11.66	8.49
Price To Earnings	32.68	18.59
Price To Book	7.19	2.50
Price To Sales	9.61	2.30
Return on Equity (%)	23.12	15.38
Yield (%)	0.77	2.96
Beta	1.00	1.00
R-Squared	1.00	1.00



SSGA ACWI EX US

Top Ten Holdings	
ALIBABA GROUP HLDG.SPN. ADR 1:1	35.4%
BAIDU 'A' ADR 10:1	10.3%
NXP SEMICONDUCTORS	6.8%
JD.COM 'A' ADR 1:2	4.4%
NETEASE ADR 1:25	3.7%
BRITISH AMER.TOB.ADR 1:1	3.4%
CTRIIP.COM INTL.ADR 8:1	3.1%
YUM CHINA HOLDINGS	2.7%
CREDICORP	2.6%
TEVA PHARM.INDS.ADR 1:1	2.6%

Top Positive Contributors		
	Relative Contribution %	Return %
ALIBABA GROUP HLDG.SPN. ADR 1:1	2.1%	6.4%
TAL EDUCATION GROUP CL.A ADR 3:1	0.3%	24.8%
VIPSHOP HOLDINGS ADR 5:1	0.3%	41.8%
MOMO ADR 1:2 CL A	0.2%	52.7%
CREDICORP	0.2%	9.5%
AUTOHOME CL.A ADR 1:1	0.2%	34.3%
CTRIIP.COM INTL.ADR 8:1	0.2%	5.7%
58 COM CL.A ADR 1:2	0.1%	11.6%
WEIBO CLASS 'A' ADR	0.1%	15.5%
HIWIN TECHNOLOGIES	0.1%	32.2%

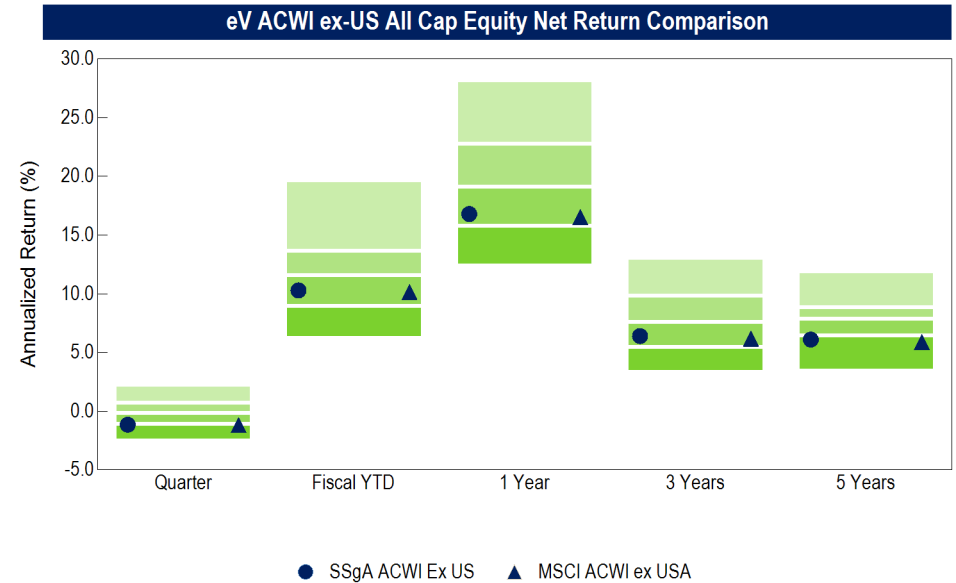
Top Negative Contributors		
	Relative Contribution %	Return %
NETEASE ADR 1:25	-0.8%	-18.6%
MICRO FOCUS INTL.SPN.ADR 1:1	-0.5%	-57.7%
BRITISH AMER.TOB.ADR 1:1	-0.5%	-12.8%
BAIDU 'A' ADR 10:1	-0.5%	-4.7%
TEVA PHARM.INDS.ADR 1:1	-0.3%	-9.8%
ENBRIDGE	-0.2%	-18.6%
NEW ORIENTAL ED.& TECH. GP.ADS 1:1	-0.1%	-6.8%
CAPITEC BANK	-0.1%	-17.2%
JD.COM 'A' ADR 1:2	-0.1%	-2.2%
CHECK POINT SFTW.TECHS.	-0.1%	-4.1%

Equity Sector Attribution											
	Attribution Effects				Returns		Sector Weights				
	Total Effects	Selection Effect	Allocation Effect	Interaction Effects	Portfolio	Benchmark	Portfolio	Benchmark			
Energy	-0.2%	-0.3%	0.0%	0.1%	-7.7%	-1.6%	1.9%	6.8%			
Materials	0.1%	1.0%	0.1%	-0.9%	8.7%	-2.8%	1.4%	8.0%			
Industrials	0.0%	0.9%	0.1%	-1.0%	3.5%	-1.5%	2.0%	11.9%			
Consumer Discretionary	1.0%	0.9%	0.0%	0.1%	4.0%	-1.1%	16.9%	11.4%			
Consumer Staples	-0.4%	-0.7%	0.1%	0.2%	-12.3%	-2.7%	4.2%	9.6%			
Health Care	-0.5%	-0.6%	0.0%	0.1%	-10.2%	0.0%	3.4%	7.7%			
Financials	-0.3%	0.9%	-0.2%	-1.0%	1.8%	-1.0%	3.7%	23.2%			
Information Technology	2.2%	0.1%	1.6%	0.4%	1.3%	1.7%	64.0%	11.5%			
Telecommunication Services	0.1%	0.7%	0.1%	-0.7%	11.8%	-4.0%	0.5%	4.0%			
Utilities	-0.1%	0.0%	0.0%	0.0%	-1.6%	1.4%	1.4%	2.9%			
Real Estate	0.0%	0.0%	0.0%	0.0%	2.7%	-1.3%	0.6%	3.1%			
Cash	0.0%	--	--	--	--	--	0.0%	0.0%			
Portfolio	1.9%	=	2.9%	+	1.8%	+	-2.8%	0.8%	-1.1%	100.0%	100.0%

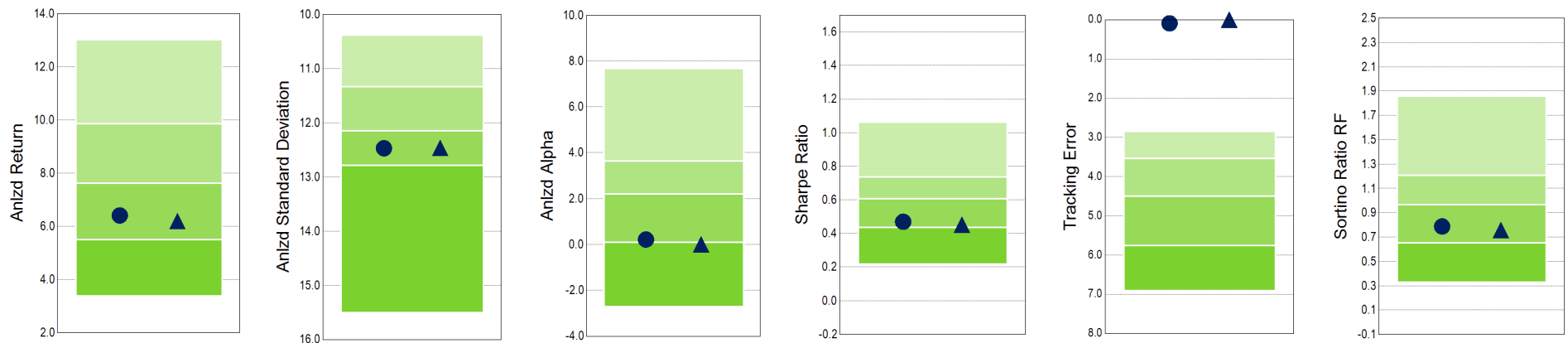


SSGA ACWI EX US

The MSCI ACWI ex US Index Strategy tends to hold each security that is held in the benchmark index, but the strategy will not be perfectly weighted in every index constituent on a daily basis. Holding securities in the perfect weights would require increased trading and therefore would incur costs. Thus, there will be securities in the fund that are either over- or under-weighted relative to the benchmark. The individual security mis-weights are very minimal, usually within 1 basis point. However, in aggregate, these small mis-weights can add up and result in tracking error if the mis-weighted securities' performance is volatile. SSgA seek to replicate the index by attempting to hold every security in the fund in its appropriate index weight. SSgA trade only when there is a change to the Index, when we have participant cash flows, or when we receive significant dividend income into the fund.



3 Year Risk Statistics



SSGA ACWI EX US

Characteristics	Portfolio	MSCI ACWI ex USA
	Number of Holdings	48
Weighted Avg. Market Cap. (\$B)	188.2	65.0
Median Market Cap. (\$B)	11.7	8.5
Price To Earnings	32.7	18.6
Price To Book	7.2	2.5
Price To Sales	9.6	2.3
Return on Equity (%)	23.1	15.4
Yield (%)	0.8	3.0
Beta	1.0	1.0
R-Squared	1.0	1.0

Top Positive Contributors	Relative Contribution %	Return %
	ALIBABA GROUP HLDG.SPN. ADR 1:1 (BABA)	2.1%
TAL EDUCATION GROUP CL.A ADR 3:1 (TAL)	0.3%	24.8%
VIPSHOP HOLDINGS ADR 5:1 (VIPS)	0.3%	41.8%
MOMO ADR 1:2 CL A (MOMO)	0.2%	52.7%
CREDICORP (BAP)	0.2%	9.5%
AUTOHOME CL.A ADR 1:1 (ATHM)	0.2%	34.3%
CTRP.COM INTL.ADR 8:1 (CTRP)	0.2%	5.7%
58 COM CL.A ADR 1:2 (WUBA)	0.1%	11.6%
WEIBO CLASS 'A' ADR (WB)	0.1%	15.5%
HIWIN TECHNOLOGIES (TW:HIW)	0.1%	32.2%

Top Negative Contributors	Relative Contribution %	Return %
	NETEASE ADR 1:25 (NTES)	-0.8%
MICRO FOCUS INTL.SPN.ADR 1:1 (MFGP)	-0.5%	-57.7%
BRITISH AMER.TOB.ADR 1:1 (BTI)	-0.5%	-12.8%
BAIDU 'A' ADR 10:1 (BIDU)	-0.5%	-4.7%
TEVA PHARM.INDS.ADR 1:1 (TEVA)	-0.3%	-9.8%
ENBRIDGE (C:ENB)	-0.2%	-18.6%
NEW ORIENTAL ED.& TECH. GP.ADS 1:1 (EDU)	-0.1%	-6.8%
CAPITEC BANK (R:CPIJ)	-0.1%	-17.2%
JD.COM 'A' ADR 1:2 (JD)	-0.1%	-2.2%
CHECK POINT SFTW.TECHS. (CHKP)	-0.1%	-4.1%

SSgA ACWI Ex US Performance Attribution vs. MSCI ACWI ex USA											
	Attribution Effects				Returns			Sector Weights			
	Total Effects	Selection Effect	Allocation Effect	Interaction Effects	Portfolio	Benchmark	Portfolio	Benchmark			
Energy	0.0%	-0.3%	0.1%	0.1%	-7.7%	-1.6%	1.9%	6.8%			
Materials	0.3%	1.0%	0.3%	-0.9%	8.7%	-2.8%	1.4%	8.0%			
Industrials	0.3%	0.9%	0.4%	-1.0%	3.5%	-1.5%	2.0%	11.9%			
Consumer Discretionary	0.8%	0.9%	-0.2%	0.1%	4.0%	-1.1%	16.9%	11.4%			
Consumer Staples	-0.3%	-0.7%	0.3%	0.2%	-12.3%	-2.7%	4.2%	9.6%			
Health Care	-0.3%	-0.6%	0.1%	0.1%	-10.2%	0.0%	3.4%	7.7%			
Financials	0.3%	0.9%	0.4%	-1.0%	1.8%	-1.0%	3.7%	23.2%			
Information Technology	0.6%	0.1%	0.1%	0.4%	1.3%	1.7%	64.0%	11.5%			
Telecommunication Services	0.2%	0.7%	0.2%	-0.7%	11.8%	-4.0%	0.5%	4.0%			
Utilities	-0.1%	0.0%	0.0%	0.0%	-1.6%	1.4%	1.4%	2.9%			
Real Estate	0.1%	0.0%	0.1%	0.0%	2.7%	-1.3%	0.6%	3.1%			
Cash	0.0%	--	--	--	--	--	0.0%	0.0%			
Portfolio	1.9%	=	2.9%	+	1.8%	+	-2.8%	0.8%	-1.1%	100.0%	100.0%



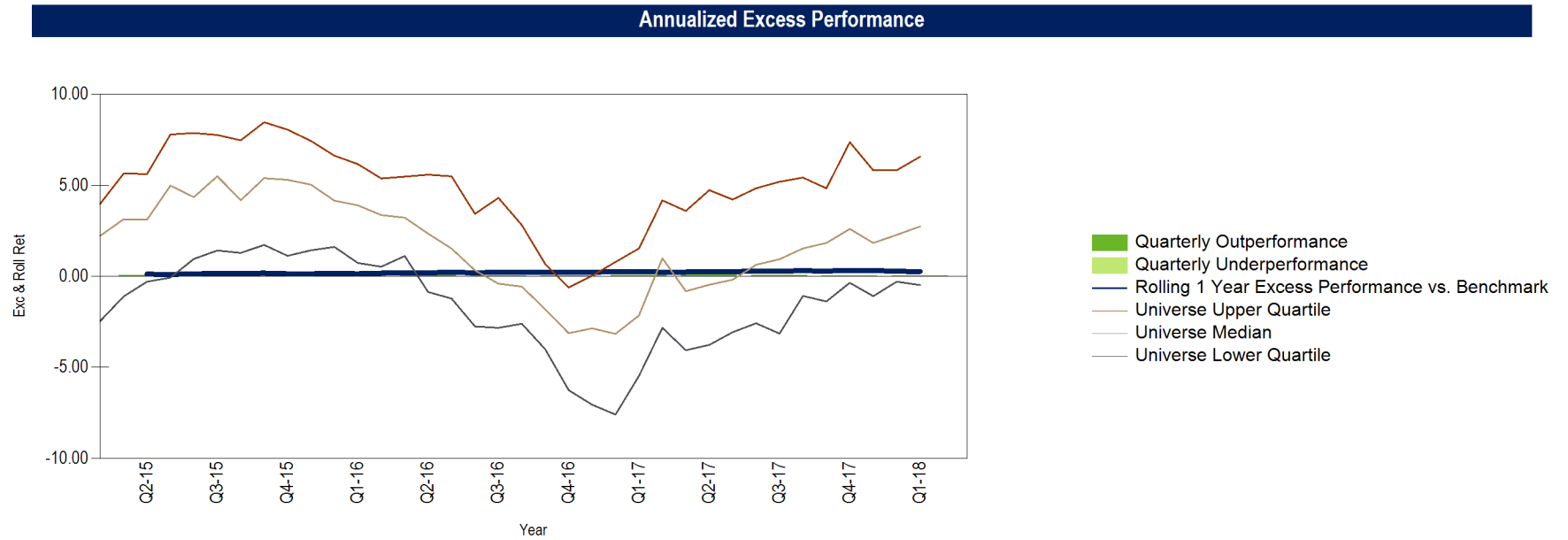
SSGA ACWI EX US

Country Allocation				
	Manager	Index	Manager	Index
	Allocation (USD)	Allocation (USD)	Return (USD)	Return (USD)
Americas				
Canada	2.1%	6.4%	-13.9%	-7.2%
Chile*	0.3%	0.3%	4.2%	1.6%
Colombia*	0.6%	0.1%	-1.6%	4.9%
Peru*	2.7%	0.1%	9.2%	10.4%
United States	15.4%	0.0%	2.5%	-0.8%
Total-Americas	21.2%	9.4%	1.7%	-2.4%
Europe				
Ireland	0.1%	0.3%	17.9%	-5.7%
Netherlands	1.2%	2.5%	-3.6%	1.0%
Russia*	0.5%	0.8%	11.8%	9.5%
United Kingdom	5.0%	12.1%	-21.2%	-3.8%
Total-Europe	6.9%	44.9%	-14.8%	-1.7%

Country Allocation				
	Manager	Index	Manager	Index
	Allocation (USD)	Allocation (USD)	Return (USD)	Return (USD)
AsiaPacific				
China*	64.5%	7.4%	2.8%	1.8%
India*	2.0%	2.2%	-8.4%	-6.9%
Japan	0.6%	16.6%	2.7%	0.8%
Malaysia*	0.3%	0.6%	28.0%	8.7%
Taiwan*	1.1%	2.8%	8.5%	5.6%
Total-AsiaPacific	68.5%	43.1%	2.7%	-0.1%
Other				
Israel	2.9%	0.3%	-9.8%	-5.3%
South Africa*	0.6%	1.8%	-17.2%	-4.0%
Total-Other	3.5%	2.7%	-11.1%	-3.4%
Totals				
Developed	27.3%	75.2%	-4.6%	-1.9%
Emerging*	72.7%	24.8%	2.8%	1.4%

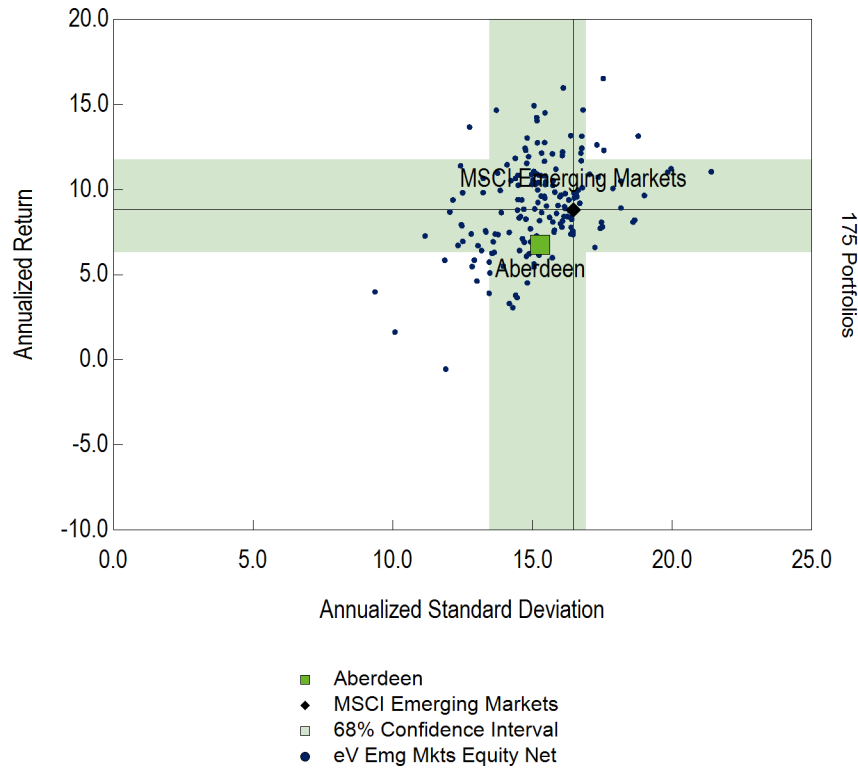


SSGA ACWI EX US

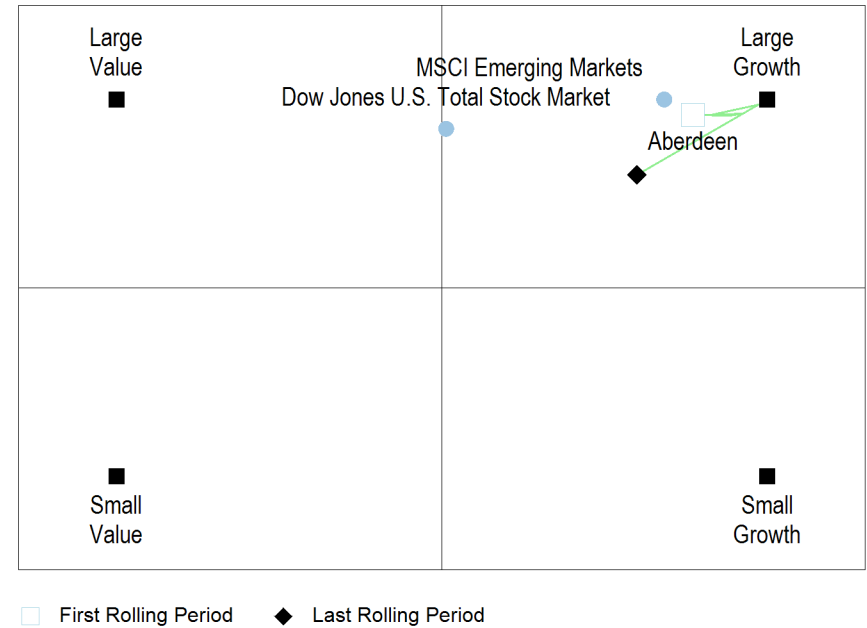


ABERDEEN

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

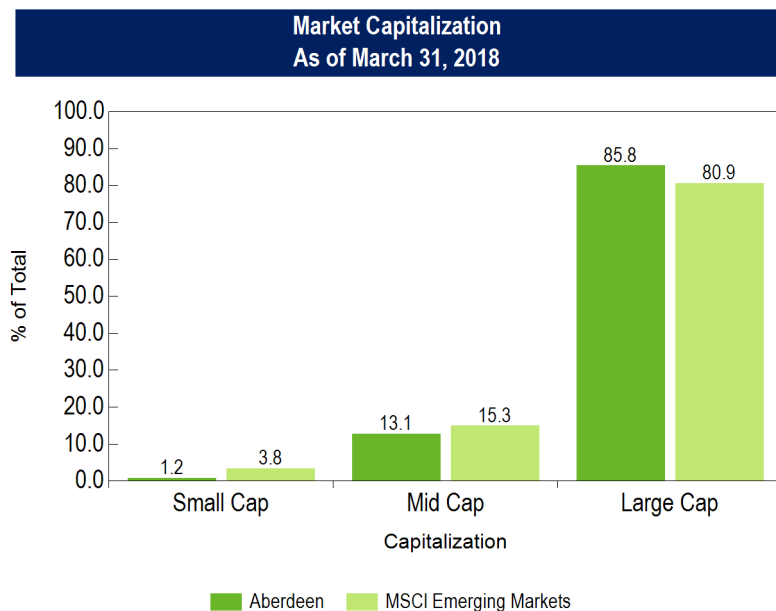


U.S. Effective Style Map
3 Years Ending March 31, 2018

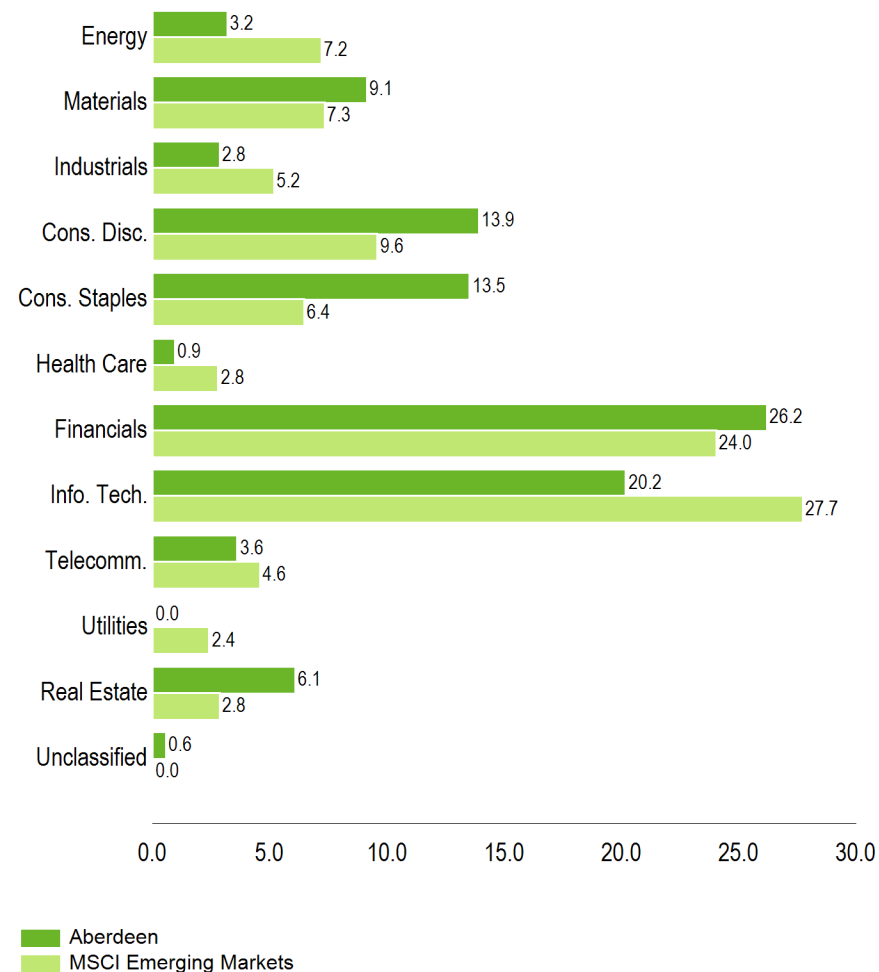


ABERDEEN

Characteristics		
	Portfolio	MSCI Emerging Markets
Number of Holdings	65	847
Weighted Avg. Market Cap. (\$B)	68.34	91.91
Median Market Cap. (\$B)	16.76	5.87
Price To Earnings	23.48	20.27
Price To Book	3.74	2.65
Price To Sales	3.93	2.46
Return on Equity (%)	21.78	19.03
Yield (%)	2.33	2.30
Beta	0.88	1.00
R-Squared	0.89	1.00



Sector Allocation (%) vs MSCI Emerging Markets



ABERDEEN

Top Ten Holdings	
SAMSUNG ELTN.PREF.	5.5%
TENCENT HOLDINGS	5.0%
TAIWAN SEMICON.MNFG.	4.8%
HOUSING DEVELOPMENT FIN.	3.8%
BNC.BRADESCO PF.SPN.ADR 1:1	3.0%
AIA GROUP	2.6%
CHINA MOBILE	2.3%
SIAM CEMENT FB	2.3%
ASTRA INTERNATIONAL	2.2%
VALE ON ADR 1:1	2.1%

Top Positive Contributors		
	Relative Contribution %	Return %
BNC.BRADESCO PF.SPN.ADR 1:1	0.4%	16.1%
TRUWORTHS INTL.	0.3%	22.0%
MASSMART	0.3%	23.3%
PJSC LUKOIL SPON (LON) ADR	0.2%	20.4%
PUBLIC BANK	0.2%	22.6%
CHINA RESOURCES LAND	0.2%	23.6%
GPO FINANCE BANORTE	0.1%	10.5%
AMBEV ON	0.1%	13.2%
HOUSING DEVELOPMENT FIN.	0.1%	4.7%
SIAM CEMENT FB	0.1%	6.3%

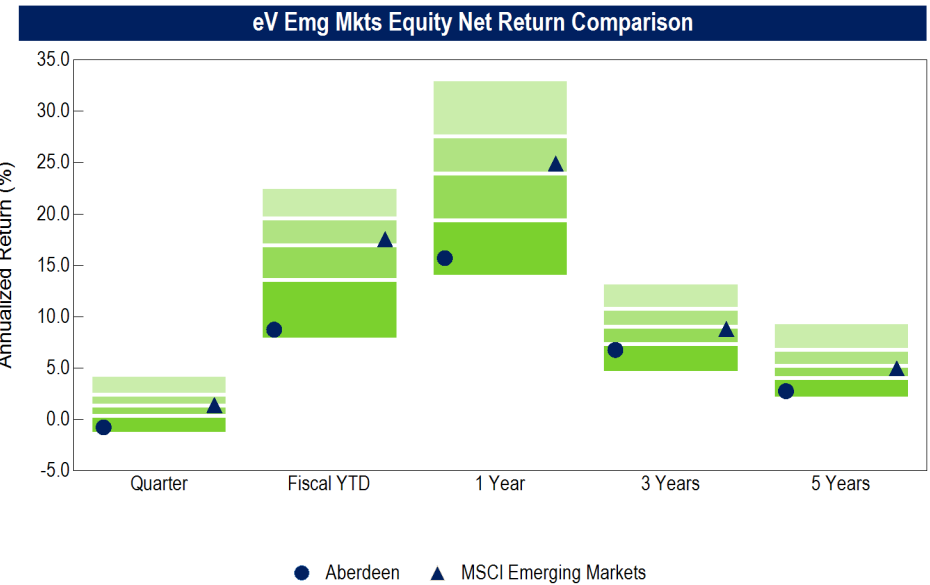
Top Negative Contributors		
	Relative Contribution %	Return %
MAGNIT	-0.4%	-26.1%
ICT.TUNGGAL PRAKARSA	-0.3%	-28.2%
ASTRA INTERNATIONAL	-0.3%	-13.3%
BRF BRASIL FOODS ON	-0.3%	-37.7%
RICHTER GEDEON	-0.2%	-20.4%
AYALA LAND	-0.2%	-11.3%
HANG LUNG GROUP	-0.2%	-11.1%
BIM BIRLESIK MAGAZALAR	-0.1%	-11.9%
GRASIM INDUSTRIES	-0.1%	-11.8%
ULTRATECH CEMENT	-0.1%	-10.5%

Equity Sector Attribution											
	Total Effects	Selection Effect	Attribution Effects			Returns		Sector Weights			
			Allocation Effect	Interaction Effects		Portfolio	Benchmark	Portfolio	Benchmark		
Energy	-0.4%	-0.2%	-0.2%	0.1%		4.2%	7.6%	3.4%	6.8%		
Materials	-0.6%	-0.3%	0.0%	-0.2%		-4.8%	0.7%	10.2%	7.4%		
Industrials	0.0%	-0.3%	0.1%	0.2%		-6.5%	-0.7%	1.4%	5.3%		
Consumer Discretionary	0.5%	0.6%	-0.1%	0.0%		-1.4%	-6.1%	10.9%	10.2%		
Consumer Staples	-0.8%	-0.1%	-0.3%	-0.4%		-4.6%	-0.7%	16.3%	6.5%		
Health Care	-0.4%	-0.8%	-0.1%	0.4%		-20.4%	7.1%	1.2%	2.7%		
Financials	0.1%	0.1%	0.1%	-0.1%		3.9%	4.3%	28.5%	23.5%		
Information Technology	-0.2%	-0.1%	-0.1%	0.0%		1.5%	1.9%	17.2%	27.7%		
Telecommunication Services	-0.2%	-0.2%	0.0%	0.0%		-7.5%	-3.6%	4.6%	4.8%		
Utilities	-0.1%	--	0.0%	--		--	3.3%	0.0%	2.4%		
Real Estate	-0.2%	0.0%	-0.1%	-0.1%		-3.3%	-1.8%	6.4%	2.8%		
Cash	0.0%	--	--	--		--	--	0.0%	0.0%		
Portfolio	-2.2%	=	-1.4%	+	-0.7%	+	-0.1%	-0.8%	1.4%	100.0%	100.0%

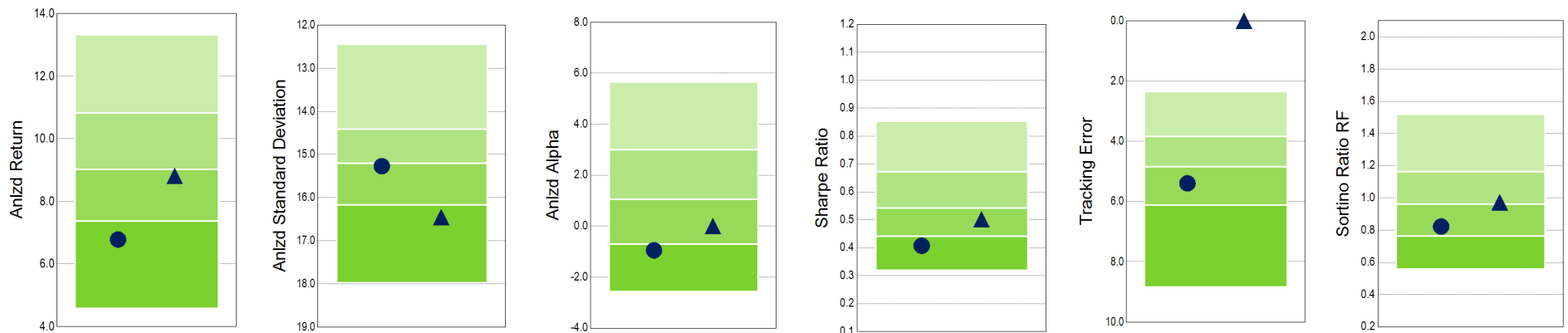


ABERDEEN

Aberdeen believes, given the inefficiency of markets, that competitive long-term returns are achieved by identifying high quality stocks at attractive valuations and holding for the long term. It is their belief that sound fundamentals drive stock prices over time. They employ a fundamental bottom-up investment approach based upon a rigorous and disciplined proprietary research effort which originates with direct company due diligence visits. Portfolios are constructed to maximize their level of exposure to the most attractive companies filtered from the stock selection process. They run a representative or model' unconstrained portfolio that contains approximately 30 - 70 stocks at any given time. Once a stock has received unanimous approval by the team, the senior investment team members then decide which portfolio category it should enter (i.e. country, regional, Global Emerging Markets) and at what weighting. The Head of Global Emerging Markets then has responsibility to ensure that the decision is implemented.



3 Year Risk Statistics



ABERDEEN

Characteristics	MSCI	
	Portfolio	Emerging Markets
Number of Holdings	65	847
Weighted Avg. Market Cap. (\$B)	68.3	91.9
Median Market Cap. (\$B)	16.8	5.9
Price To Earnings	23.5	20.3
Price To Book	3.7	2.7
Price To Sales	3.9	2.5
Return on Equity (%)	21.8	19.0
Yield (%)	2.3	2.3
Beta	0.9	1.0
R-Squared	0.9	1.0

Top Positive Contributors	Relative	
	Contribution %	Return %
BNC.BRADESCO PF.SPN.ADR 1:1 (BBD)	0.4%	16.1%
TRUWORTHS INTL. (R:TRUJ)	0.3%	22.0%
MASSMART (R:MSMJ)	0.3%	23.3%
PJSC LUKOIL SPON (LON) ADR (UKIR:LKOD)	0.2%	20.4%
PUBLIC BANK (L:PBOM)	0.2%	22.6%
CHINA RESOURCES LAND (K:CHBE)	0.2%	23.6%
GPO FINANCE BANORTE (MX:GTB)	0.1%	10.5%
AMBEV ON (BR:AVS)	0.1%	13.2%
HOUSING DEVELOPMENT FIN. (IN:HDF)	0.1%	4.7%
SIAM CEMENT FB (Q:SCQF)	0.1%	6.3%

Top Negative Contributors	Relative	
	Contribution %	Return %
MAGNIT (RS:MGN)	-0.4%	-26.1%
ICT.TUNGGAL PRAKARSA (ID:INC)	-0.3%	-28.2%
ASTRA INTERNATIONAL (ID:ATA)	-0.3%	-13.3%
BRF BRASIL FOODS ON (BR:DG3)	-0.3%	-37.7%
RICHTER GEDEON (HN:RIC)	-0.2%	-20.4%
AYALA LAND (PH:ALI)	-0.2%	-11.3%
HANG LUNG GROUP (K:HLDV)	-0.2%	-11.1%
BIM BIRLESIK MAGAZALAR (TK:BMI)	-0.1%	-11.9%
GRASIM INDUSTRIES (IN:GSI)	-0.1%	-11.8%
ULTRATECH CEMENT (IN:URC)	-0.1%	-10.5%

Aberdeen Performance Attribution vs. MSCI Emerging Markets									
	Total Effects	Attribution Effects				Returns		Sector Weights	
		Selection Effect	Allocation Effect	Interaction Effects	Portfolio	Benchmark	Portfolio	Benchmark	
Energy	-0.4%	-0.2%	-0.3%	0.1%	4.2%	7.6%	3.4%	6.8%	
Materials	-0.5%	-0.3%	0.0%	-0.2%	-4.8%	0.7%	10.2%	7.4%	
Industrials	-0.1%	-0.3%	0.0%	0.2%	-6.5%	-0.7%	1.4%	5.3%	
Consumer Discretionary	0.5%	0.6%	-0.1%	0.0%	-1.4%	-6.1%	10.9%	10.2%	
Consumer Staples	-0.7%	-0.1%	-0.2%	-0.4%	-4.6%	-0.7%	16.3%	6.5%	
Health Care	-0.4%	-0.8%	-0.1%	0.4%	-20.4%	7.1%	1.2%	2.7%	
Financials	0.1%	0.1%	0.2%	-0.1%	3.9%	4.3%	28.5%	23.5%	
Information Technology	-0.3%	-0.1%	-0.1%	0.0%	1.5%	1.9%	17.2%	27.7%	
Telecommunication Services	-0.2%	-0.2%	0.0%	0.0%	-7.5%	-3.6%	4.6%	4.8%	
Utilities	-0.1%	--	-0.1%	--	--	3.3%	0.0%	2.4%	
Real Estate	-0.2%	0.0%	-0.1%	-0.1%	-3.3%	-1.8%	6.4%	2.8%	
Cash	0.0%	--	--	--	--	--	0.0%	0.0%	
Portfolio	-2.2%	=	-1.4%	+	-0.7%	+	-0.1%	-0.8%	1.4%
							100.0%	100.0%	



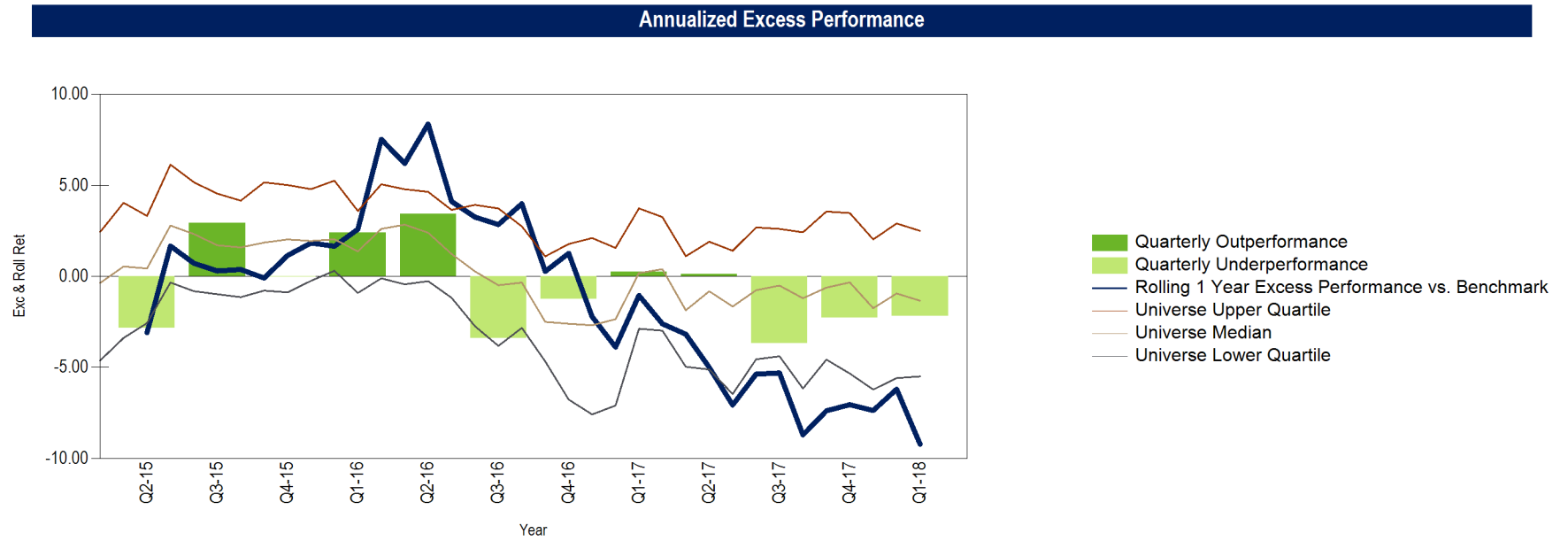
ABERDEEN

Country Allocation				
	Manager	Index	Manager	Index
	Allocation (USD)	Allocation (USD)	Return (USD)	Return (USD)
Americas				
Brazil*	13.5%	6.9%	1.9%	12.5%
Chile*	2.5%	1.3%	2.1%	1.6%
Mexico*	5.7%	2.9%	0.6%	0.9%
United States	1.9%	0.0%	3.9%	-0.8%
Total-Americas	23.6%	11.8%	1.8%	8.2%
Europe				
Hungary*	1.2%	0.3%	-20.4%	-1.0%
Poland*	1.1%	1.3%	-3.4%	-8.2%
Portugal	1.1%	0.0%	-6.4%	3.1%
Russia*	2.7%	3.3%	-6.3%	9.5%
United Kingdom	1.1%	0.0%	-4.3%	-3.9%
Total-Europe	7.2%	5.5%	-7.9%	3.5%

Country Allocation				
	Manager	Index	Manager	Index
	Allocation (USD)	Allocation (USD)	Return (USD)	Return (USD)
AsiaPacific				
China*	1.1%	29.8%	-2.3%	1.8%
Hong Kong	14.5%	0.0%	-0.9%	-1.4%
India*	16.2%	8.7%	-3.0%	-6.9%
Indonesia*	5.6%	2.2%	-11.5%	-7.0%
Korea*	9.5%	15.5%	-3.4%	-0.9%
Malaysia*	1.3%	2.3%	22.6%	8.7%
Philippines*	4.2%	1.1%	-5.7%	-11.4%
Taiwan*	5.1%	11.2%	9.1%	5.6%
Thailand*	4.1%	2.3%	2.8%	9.1%
Total-AsiaPacific	61.7%	73.2%	-1.6%	0.8%
Other				
South Africa*	4.3%	7.1%	13.0%	-4.0%
Turkey*	3.2%	1.1%	-6.9%	-4.8%
Total-Other	7.5%	9.5%	4.5%	-3.2%
Totals				
Developed	18.7%	0.0%	-1.0%	--
Emerging*	81.3%	100.0%	-0.7%	1.4%

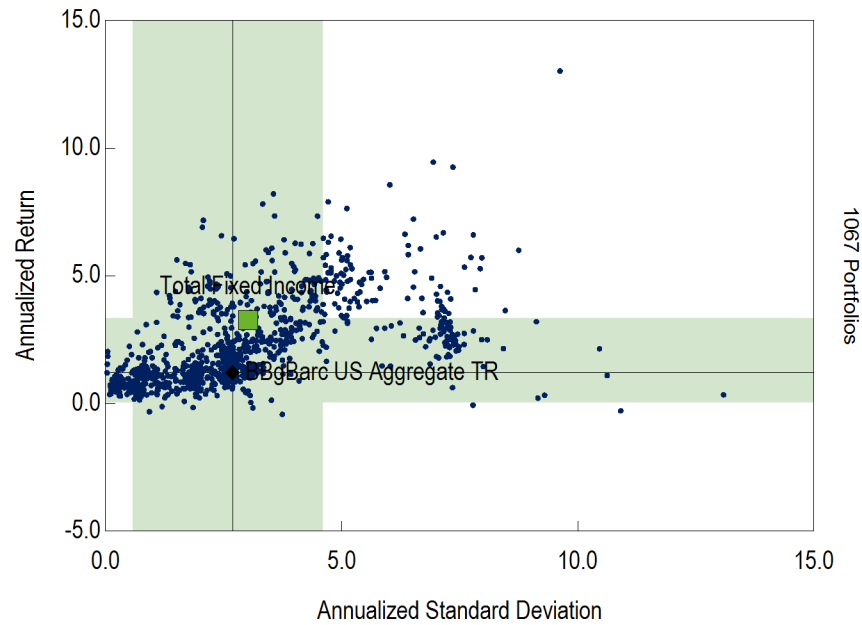


ABERDEEN



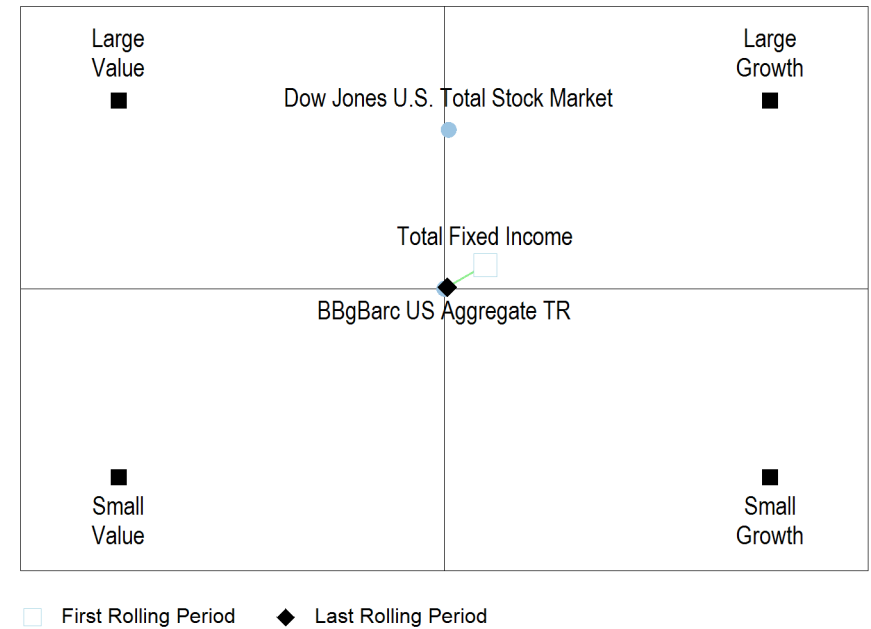
TOTAL FIXED INCOME COMPOSITE

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

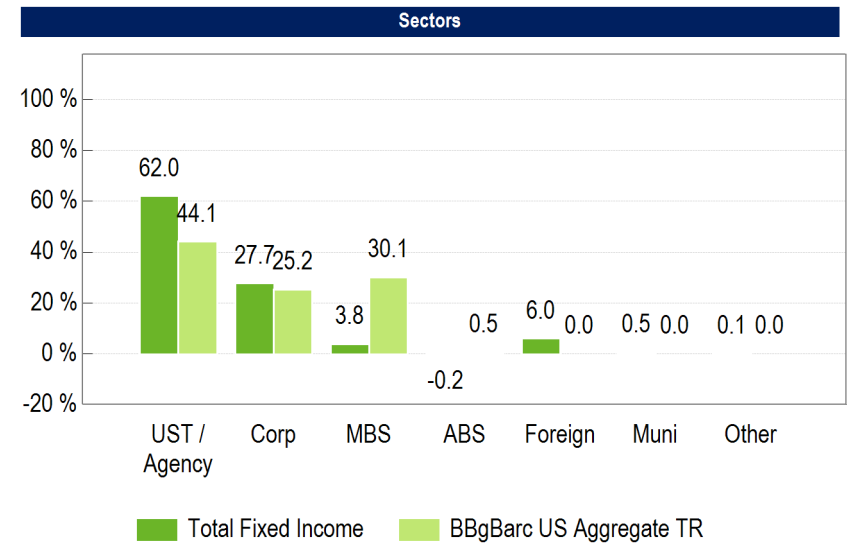
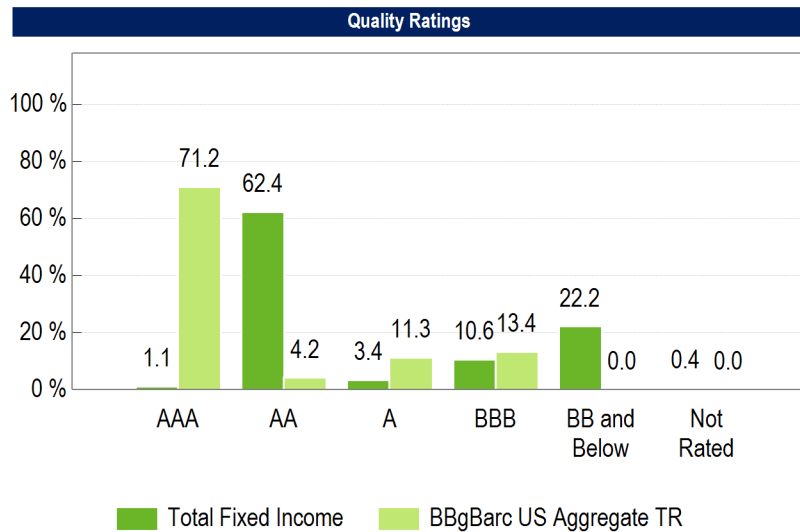
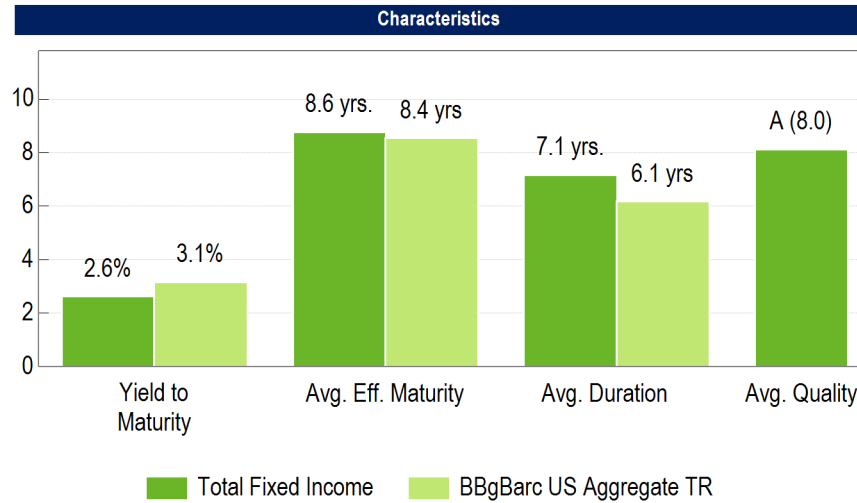


- Total Fixed Income
- ◆ BBgBarc US Aggregate TR
- 68% Confidence Interval
- eV All US Fixed Inc Net

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

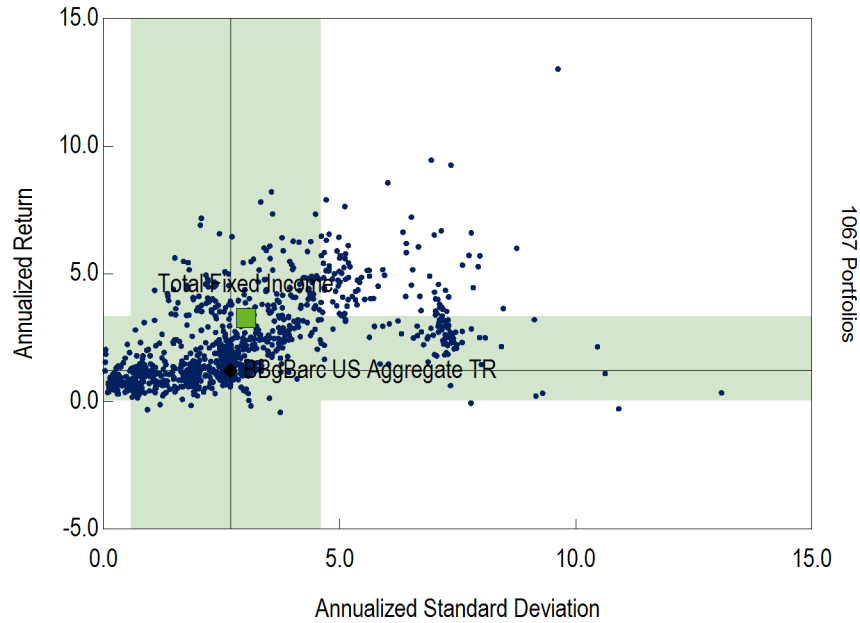


TOTAL FIXED INCOME COMPOSITE



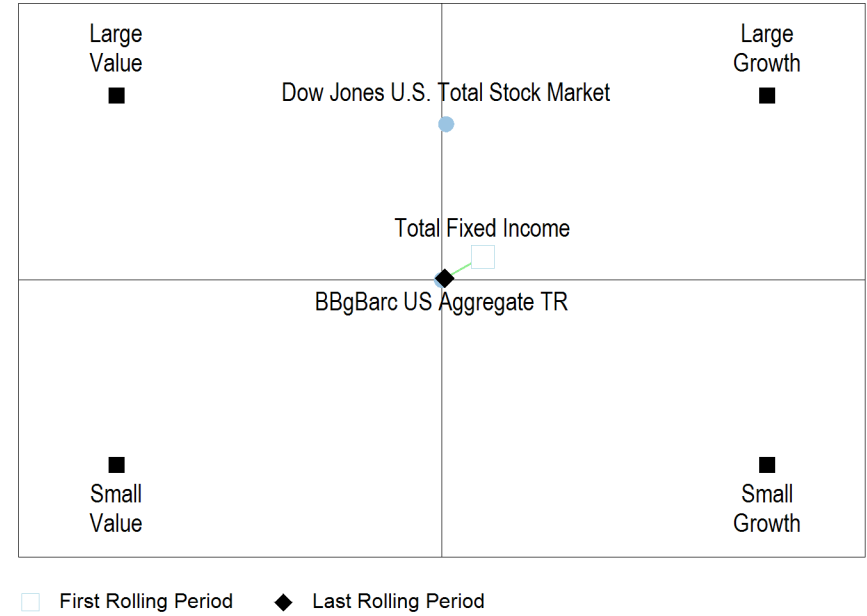
TOTAL FIXED INCOME COMPOSITE

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

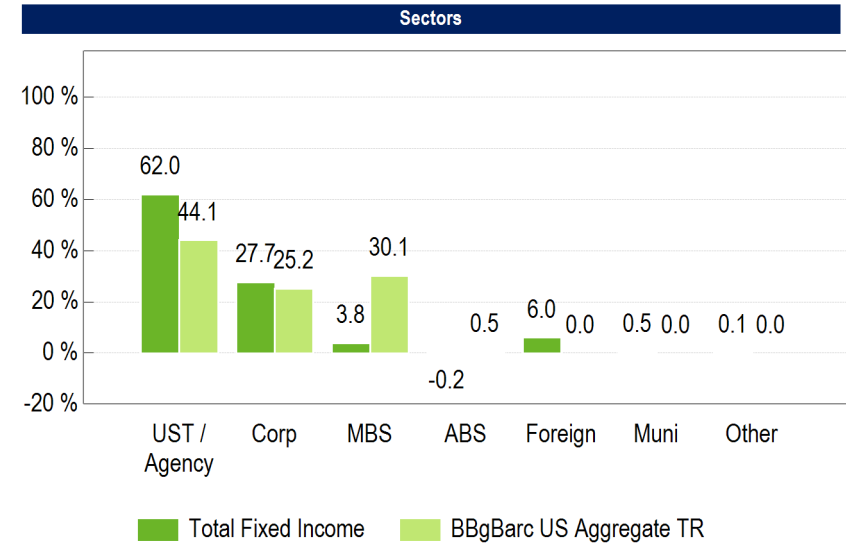
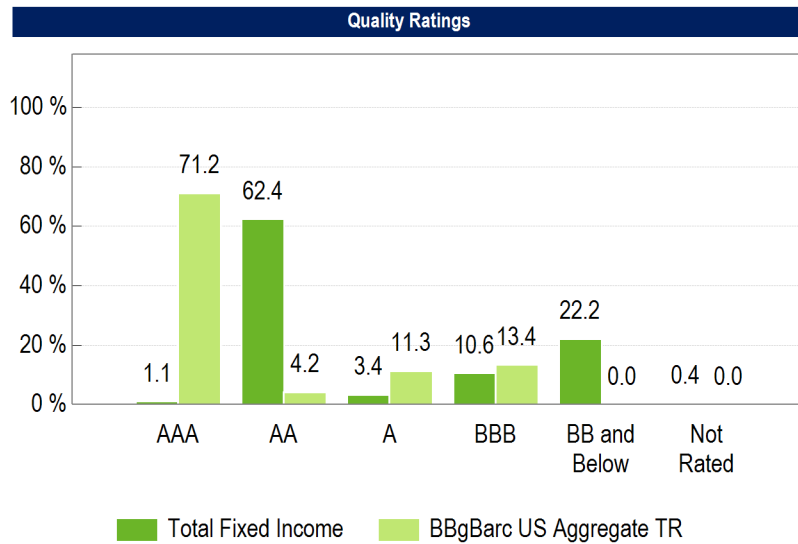
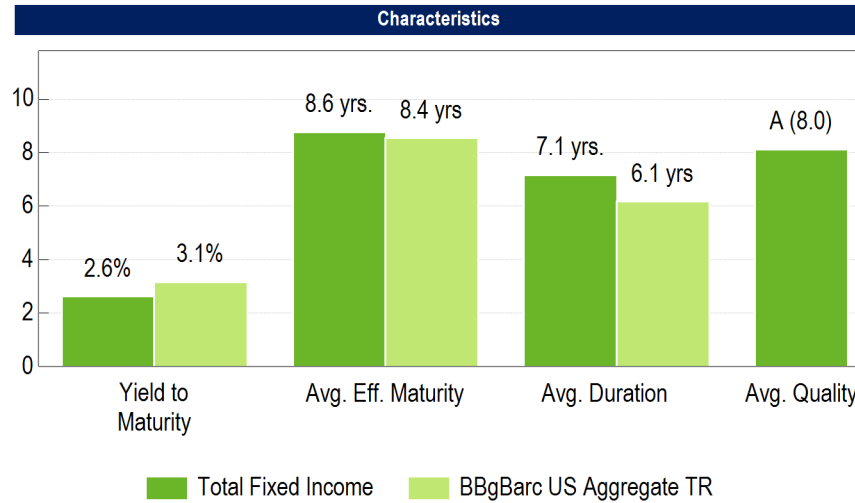


- Total Fixed Income
- ◆ BBgBarc US Aggregate TR
- 68% Confidence Interval
- eV All US Fixed Inc Net

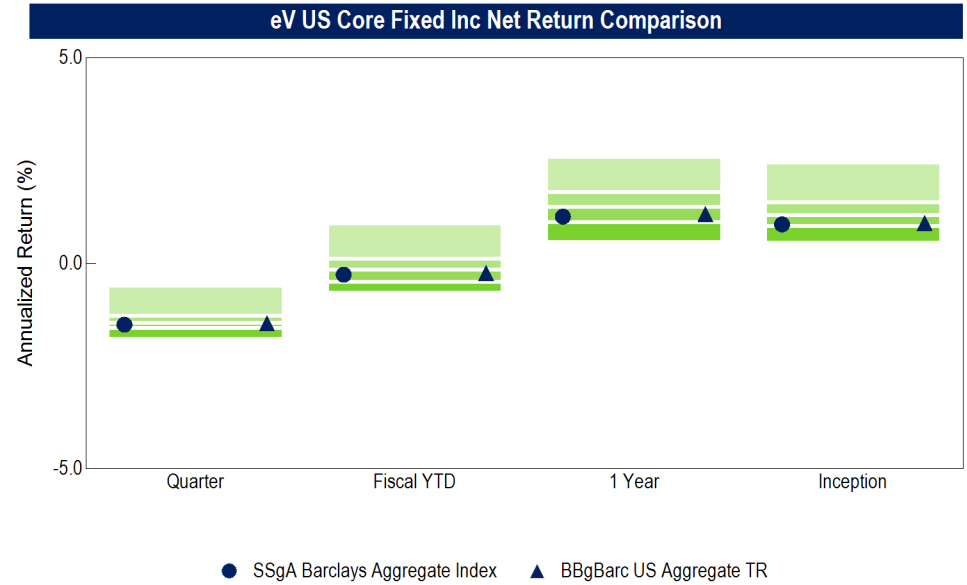
U.S. Effective Style Map
3 Years Ending March 31, 2018



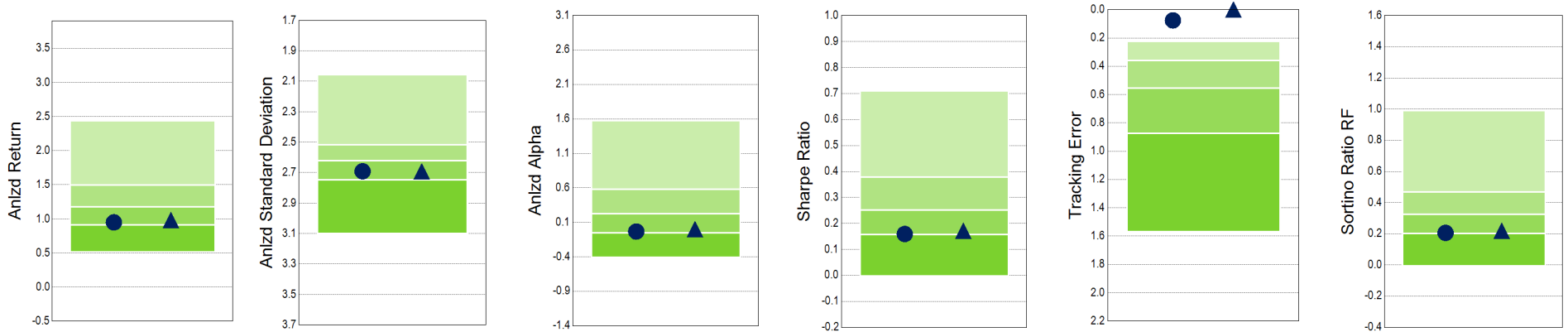
TOTAL FIXED INCOME COMPOSITE



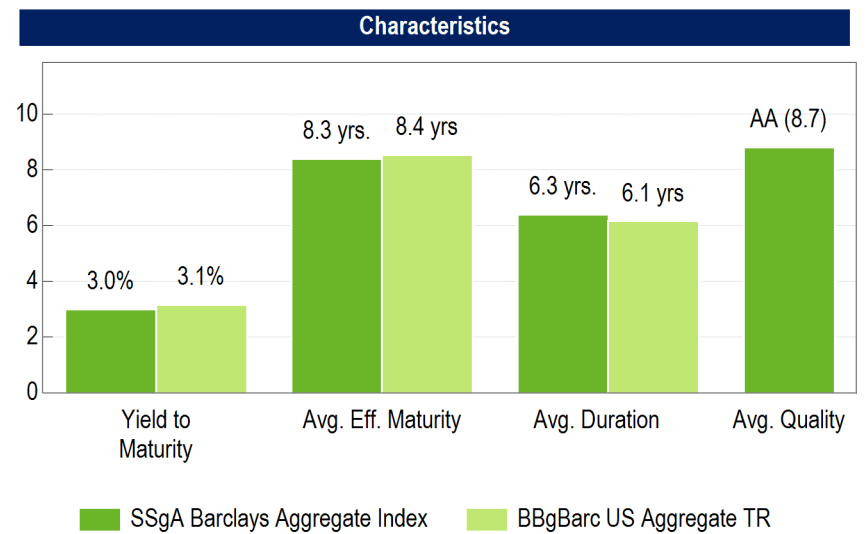
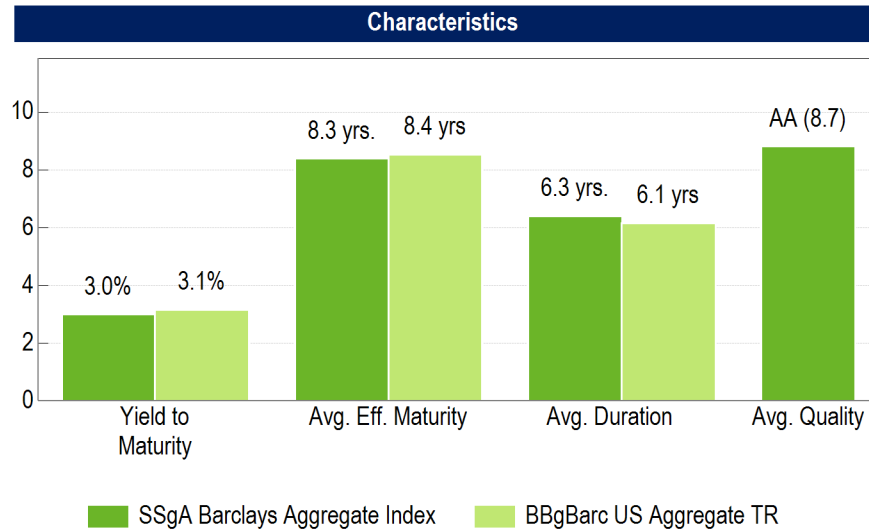
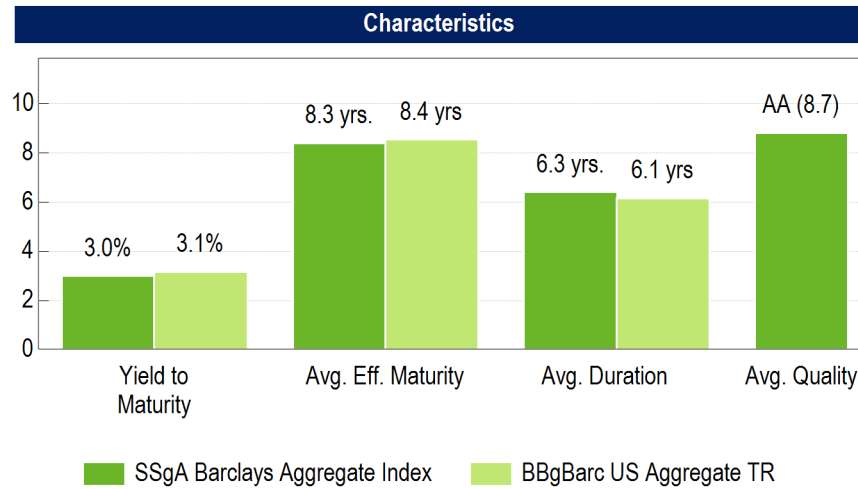
SSGA BARCLAYS AGGREGATE INDEX



Since Inception Risk Statistics

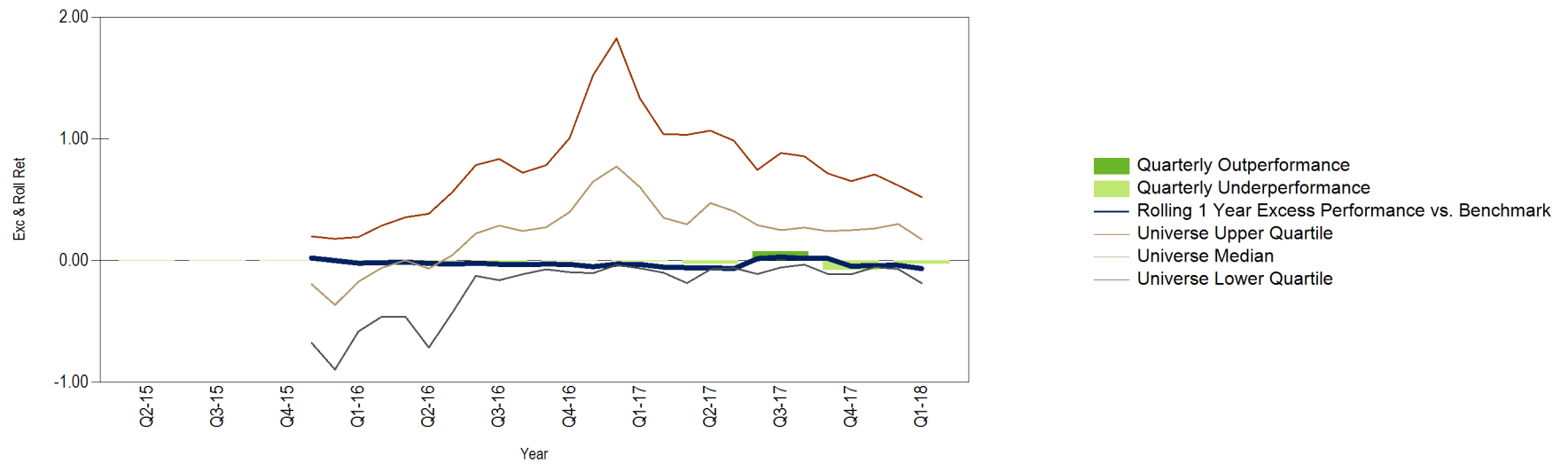


SSGA BARCLAYS AGGREGATE INDEX



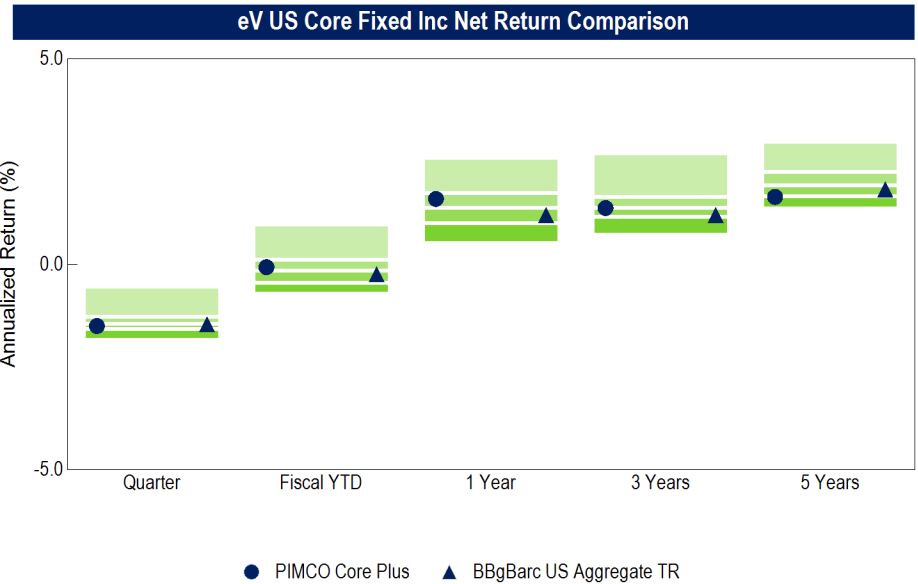
SSGA BARCLAYS AGGREGATE INDEX

Annualized Excess Performance

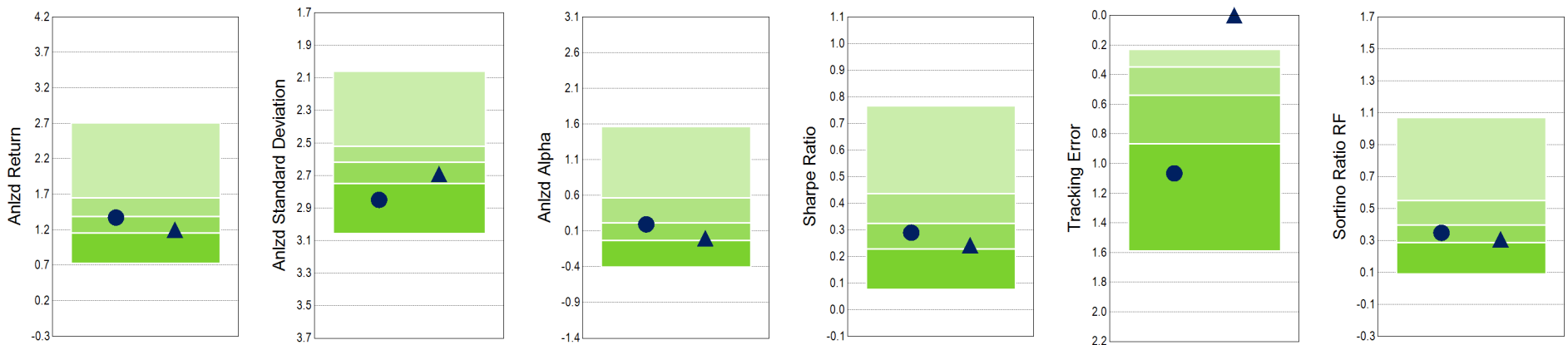


PIMCO CORE PLUS

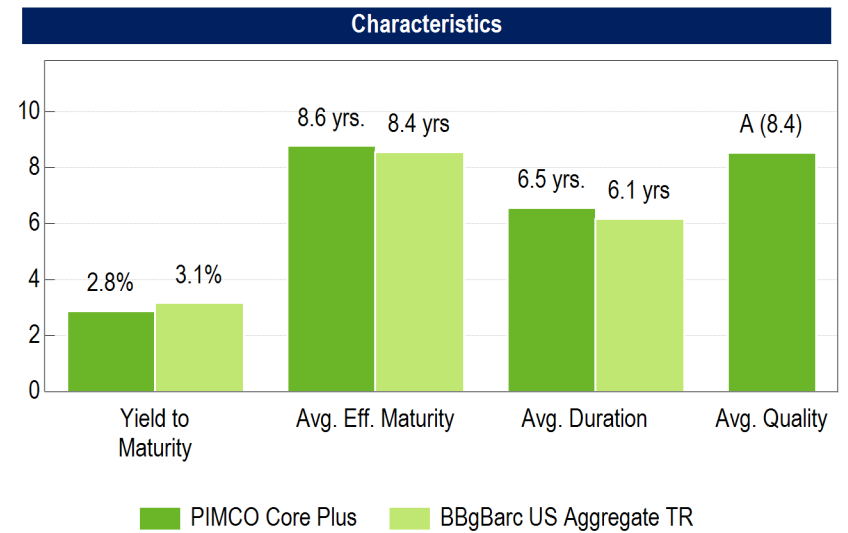
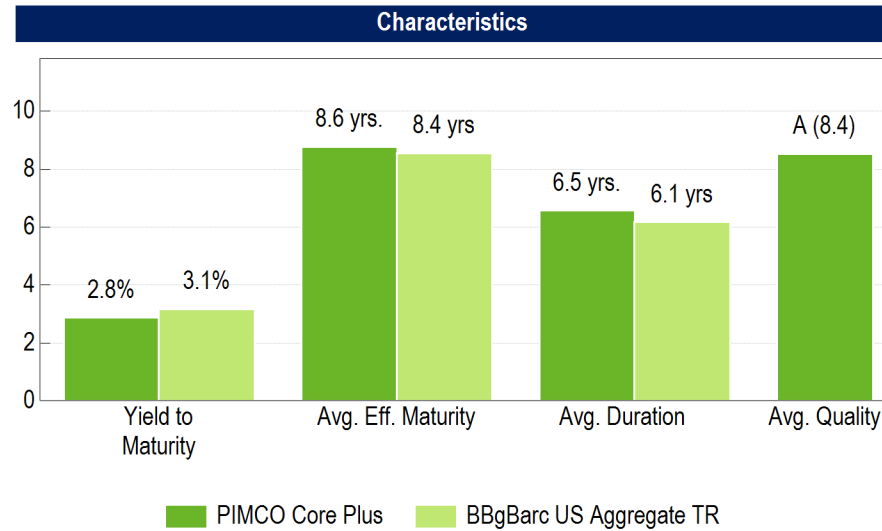
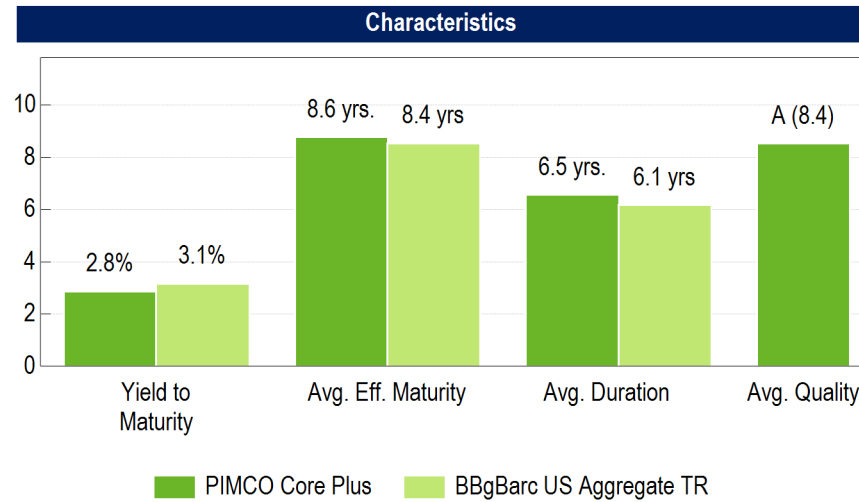
PIMCO's investment process expects to generate above-benchmark returns by building diversified, risk-averse portfolios based upon their long-term secular outlook. This is achieved by analyzing fundamental global trends in such areas as political factors, inflation, volatility, growth, and currency, amongst others. The three to five-year secular outlook is the core element of their decision-making process, and serves as a framework for portfolio implementation. In applying the secular outlook to the portfolio, such tools as duration position, yield curve posture and sector allocation are expressed to best represent the firm's view on the macro-economic environment. Bottom-up analysis of specific securities is also an important part of the firm's philosophy. Bonds are evaluated on a rich/cheap basis and fundamental research determines strong portfolio candidates.



3 Year Risk Statistics

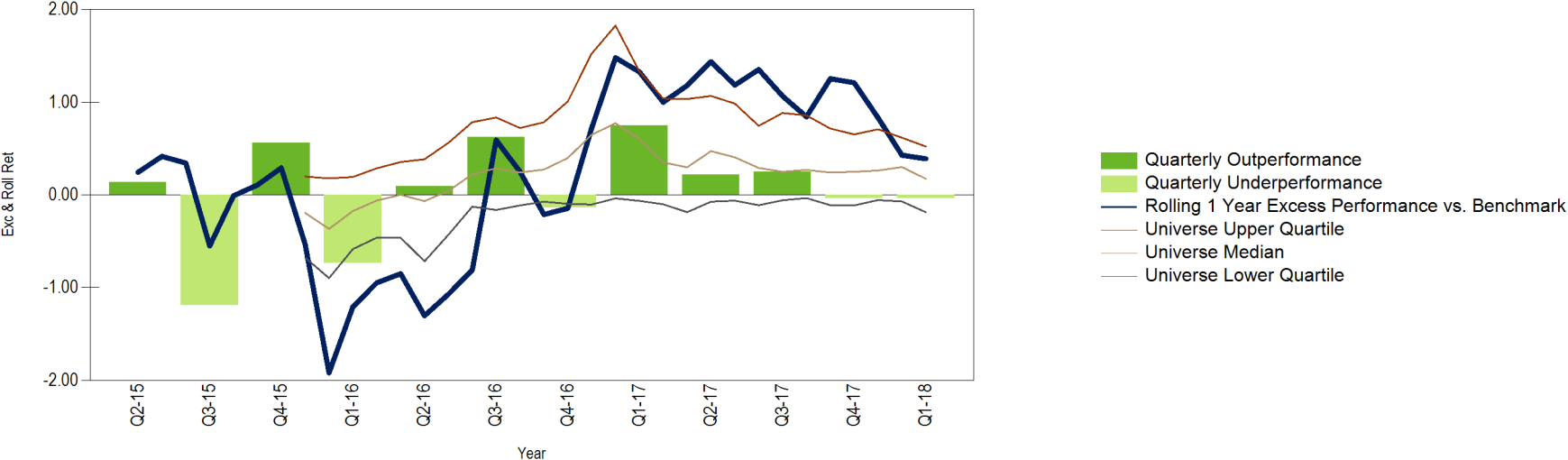


PIMCO CORE PLUS



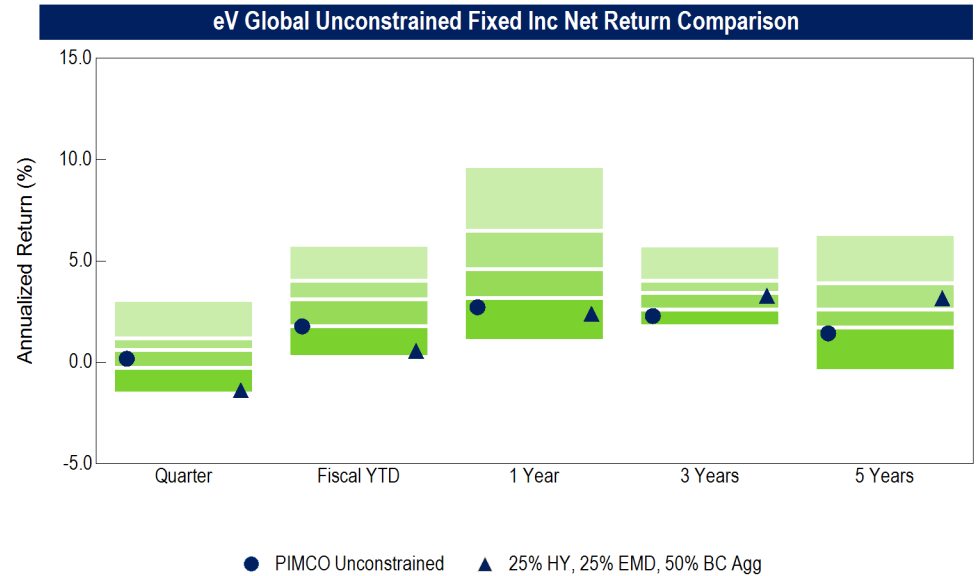
PIMCO CORE PLUS

Annualized Excess Performance

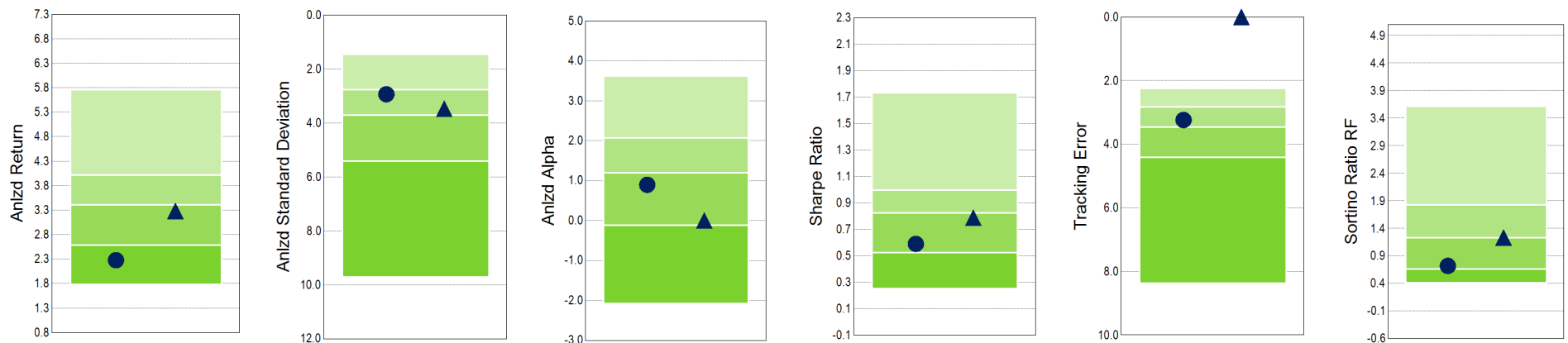


PIMCO UNCONSTRAINED

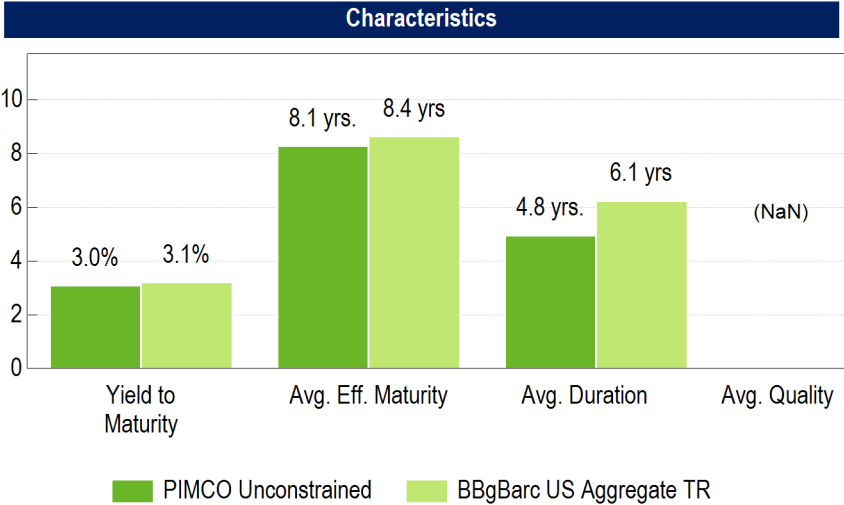
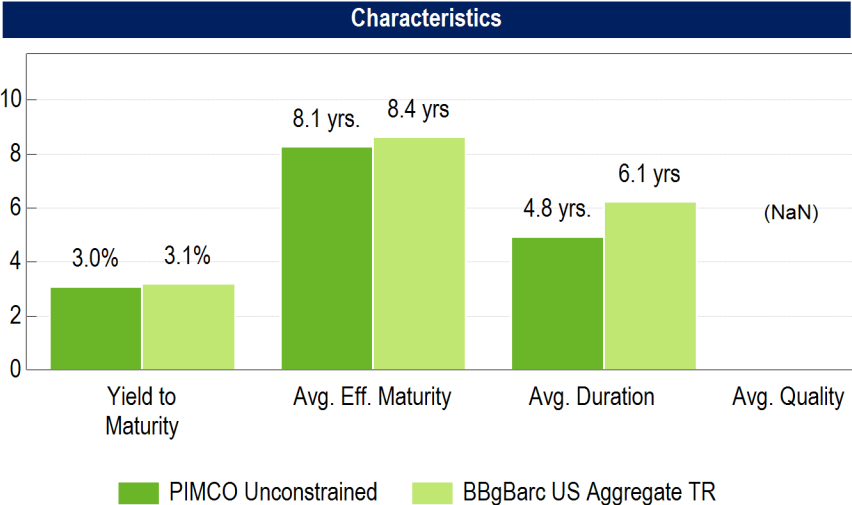
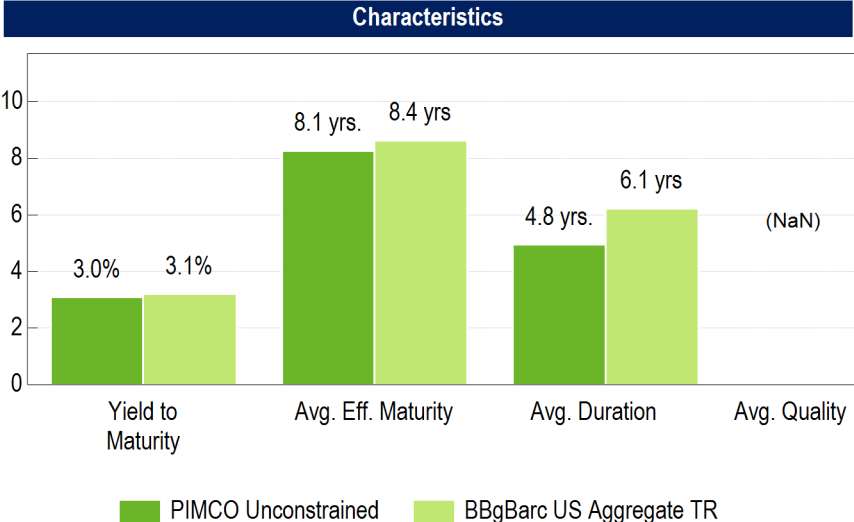
The PIMCO Unconstrained Bond Strategy is an absolute return-oriented, investment grade quality fixed income strategy that embodies PIMCO's secular thinking, global themes, and integrated investment process without the constraints of a benchmark or significant sector/instrument limitations. The strategy is designed to offer the traditional benefits of a core bond portfolio - seeks maximum long-term return consistent with capital preservation and prudent management- but with higher potential alpha and the potential to mitigate downside risk to a greater degree than what is reasonably possible from traditional active fixed income management approaches as the strategy allows for more manager discretion to adjust duration exposure, allocate across sectors and otherwise express the firm's active views. The strategy is governed by PIMCO's investment philosophy and unique, disciplined secular investment process, which focuses on long-term economic, social and political trends that may have lasting impacts on investment returns.



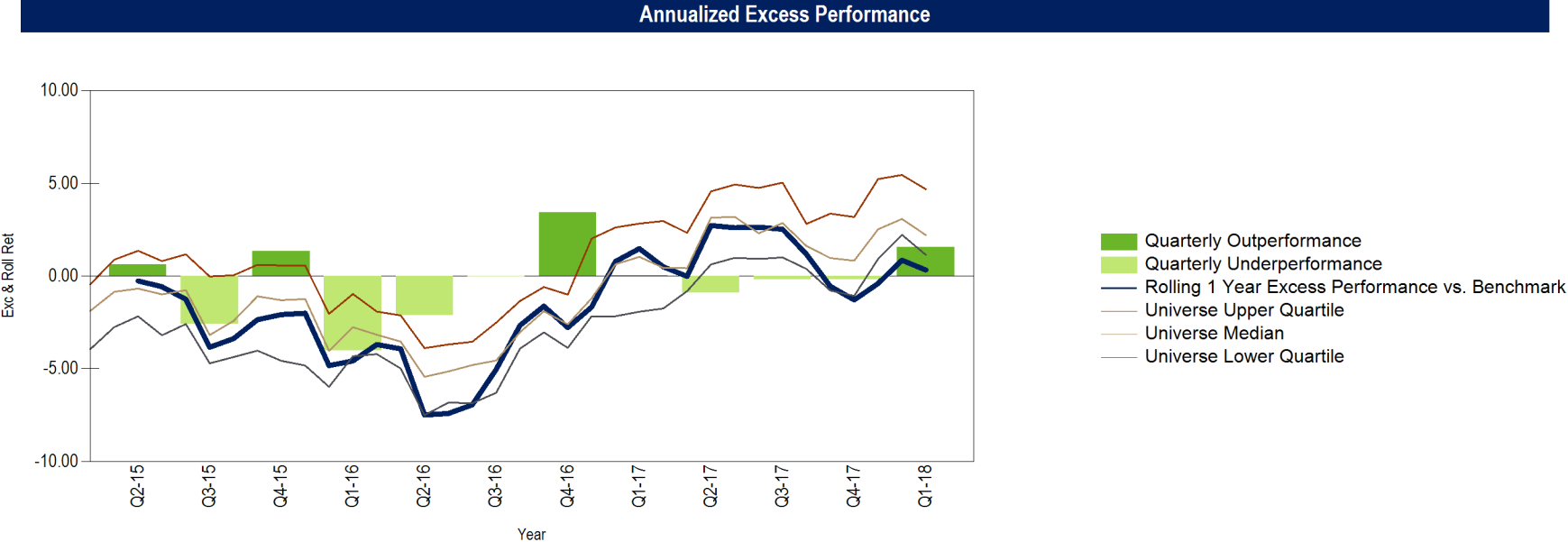
3 Year Risk Statistics



PIMCO UNCONSTRAINED

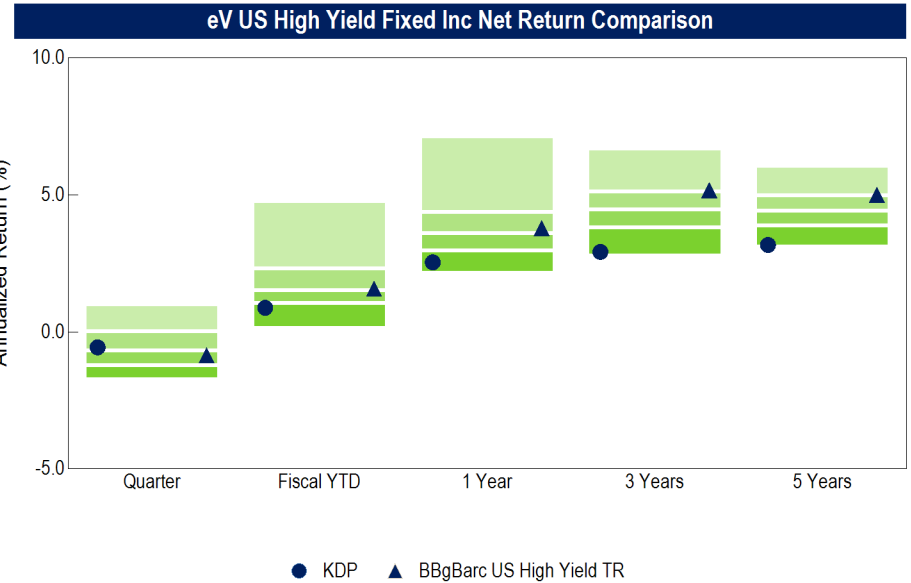


PIMCO UNCONSTRAINED

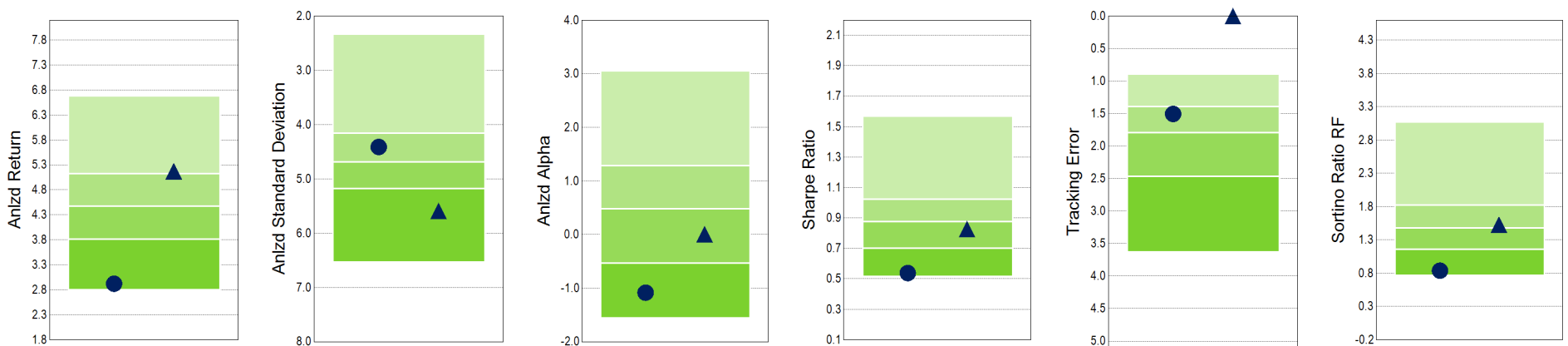


KDP

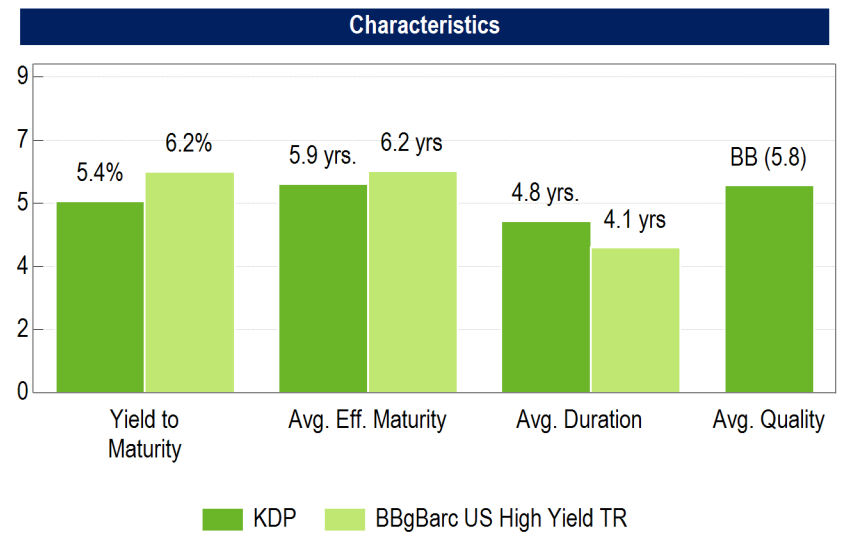
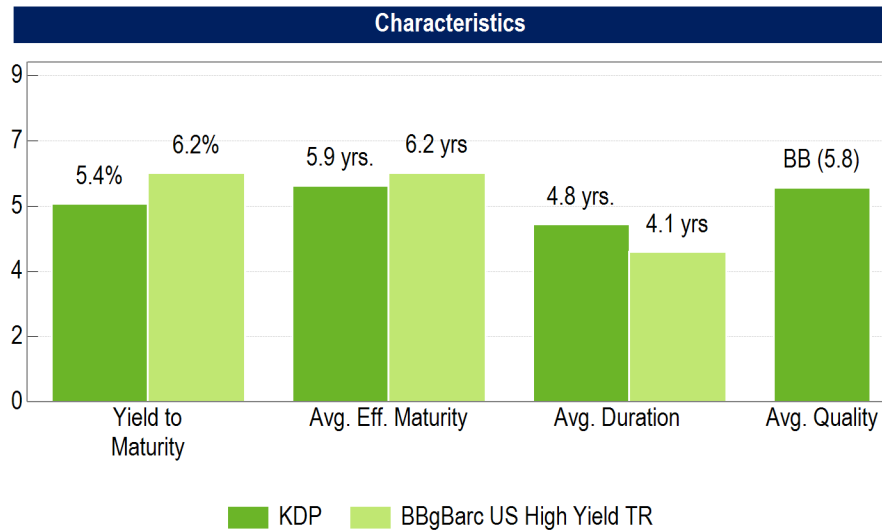
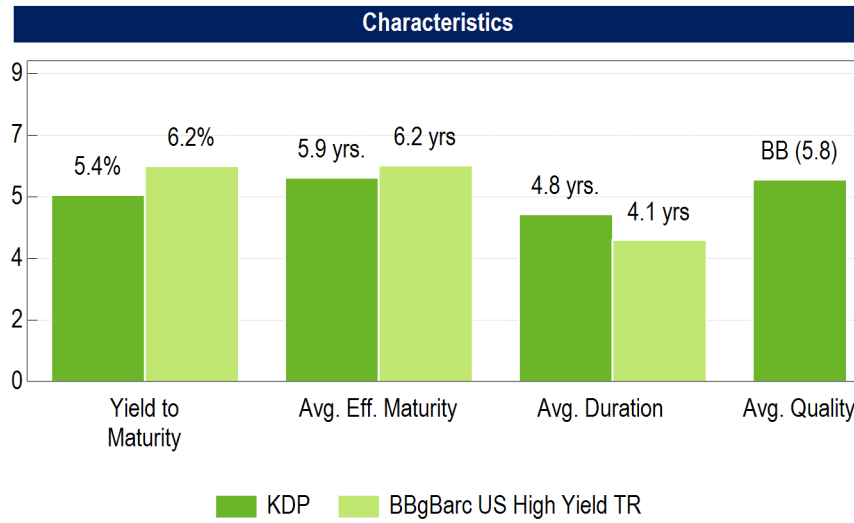
KDP believes that the key to delivering superior risk-adjusted returns lies in controlling credit risk. To do this the firm combines rigorous, bottom-up credit analysis with an active, top-down management approach that ensures a strong overall credit profile and broad portfolio diversification. KDP employs a value-oriented approach to investing that leverages our strong fundamental research capabilities, and seeks to take advantage of market inefficiencies and anomalies on an opportunistic basis in order to capture excess credit spread. KDP places a strong emphasis on issuer, industry and sector diversification, and tends to focus on larger companies, as they tend to be more resilient in times of difficulty and their securities tend to be more liquid. KDP uses a proprietary "Default Risk Ranking (DRR)" System to screen securities eligible for purchase in its portfolios. By assigning default risk probabilities to companies covered, the DRR system is used to identify securities that are overvalued or undervalued relative to the market. The firm minimizes portfolio volatility in part by investing in securities of companies that exhibit greater resilience in times of financial distress. KDP focuses on companies with good management, stable to improving earnings, good balance sheet liquidity and a strong competitive position in industries with favorable underlying fundamentals.



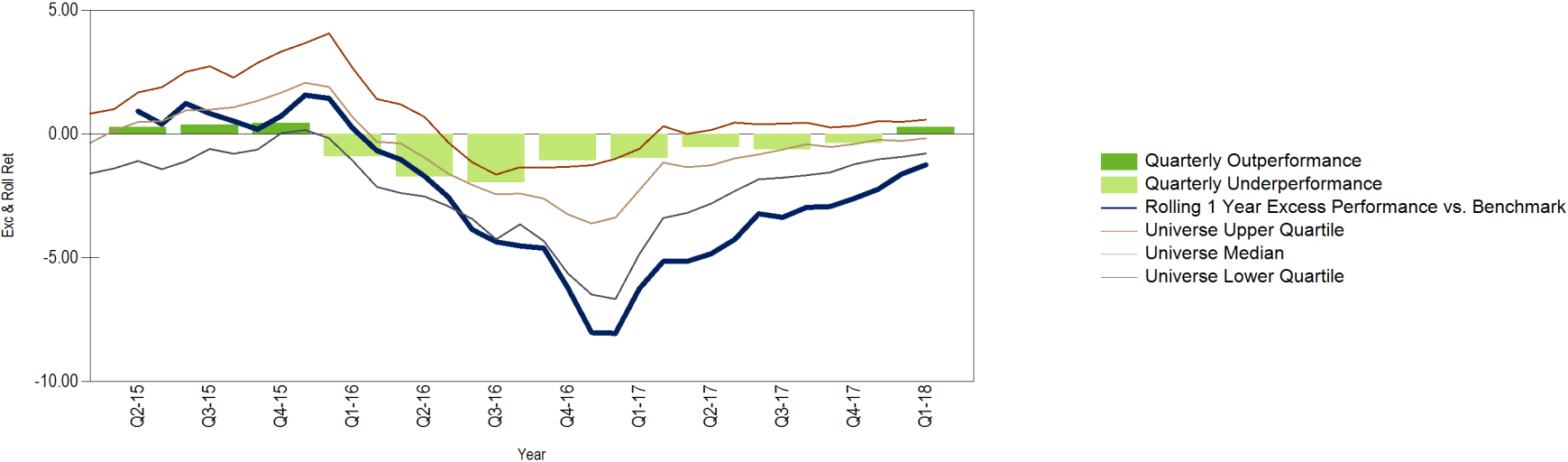
3 Year Risk Statistics



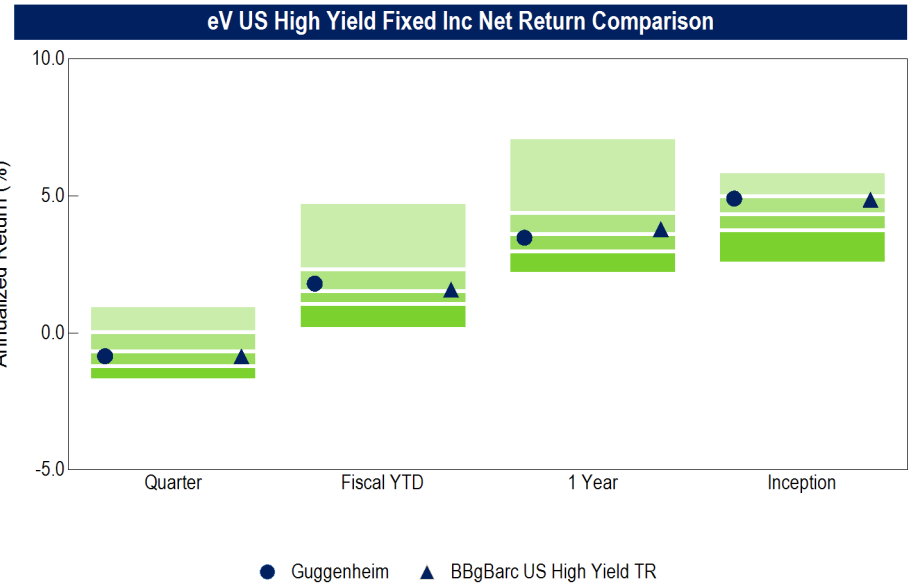
KDP



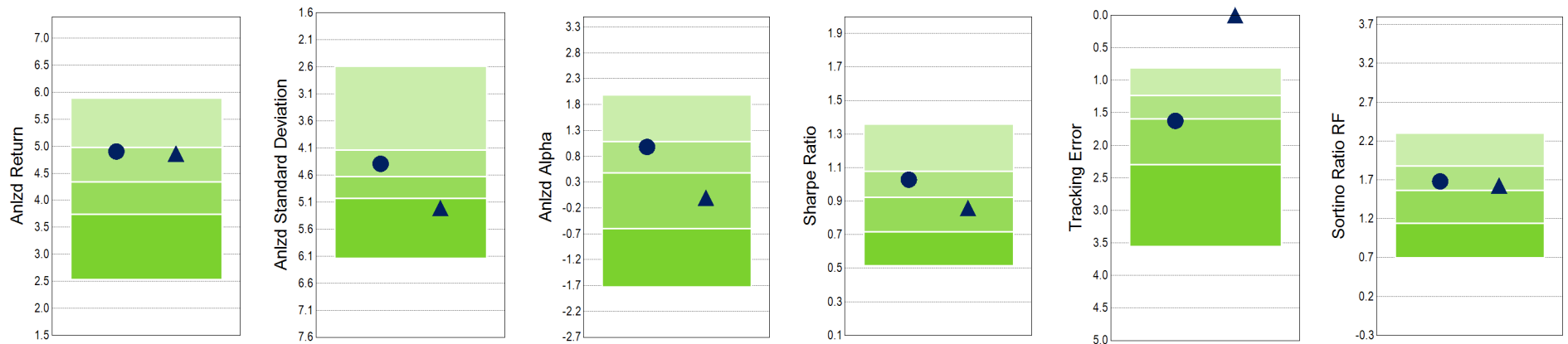
Annualized Excess Performance



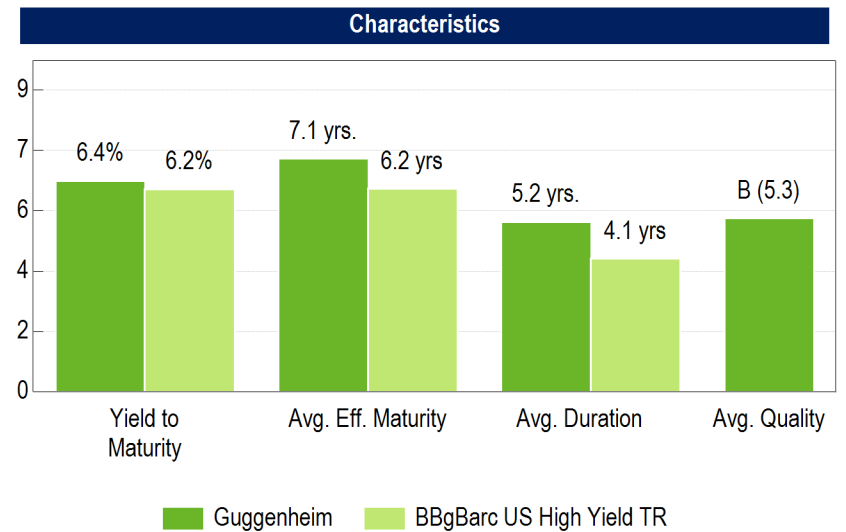
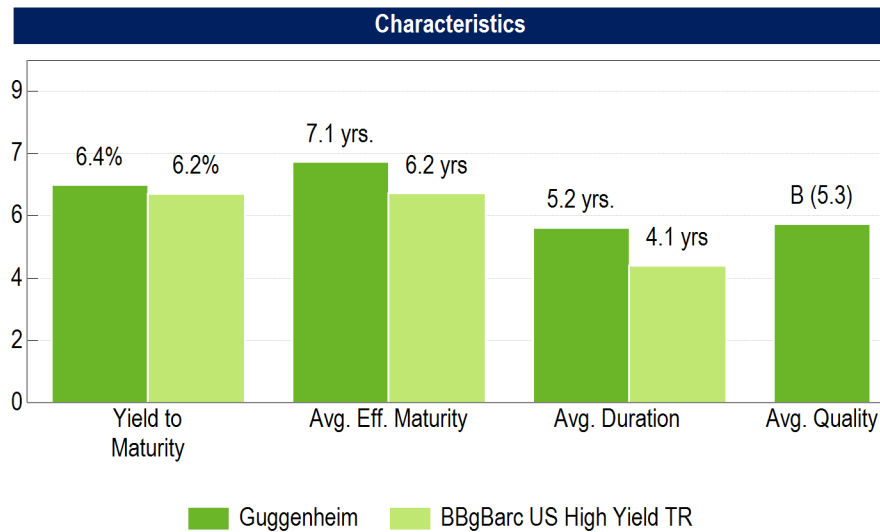
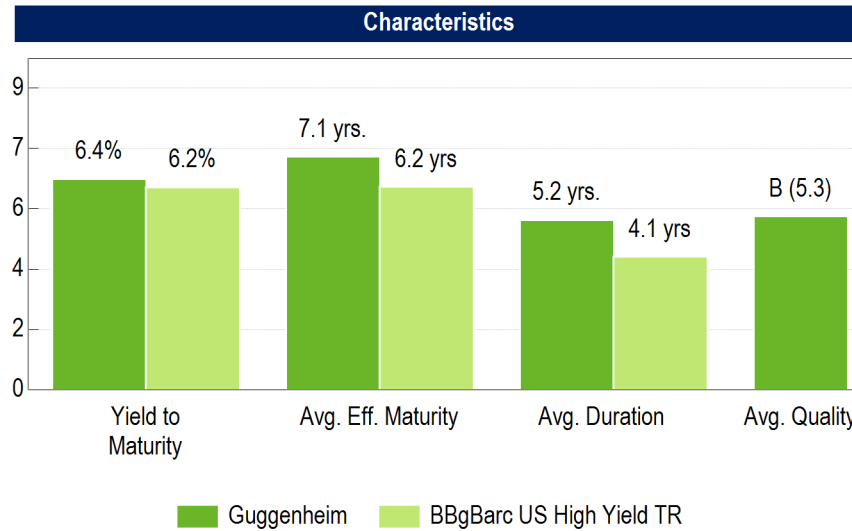
GUGGENHEIM



Since Inception Risk Statistics

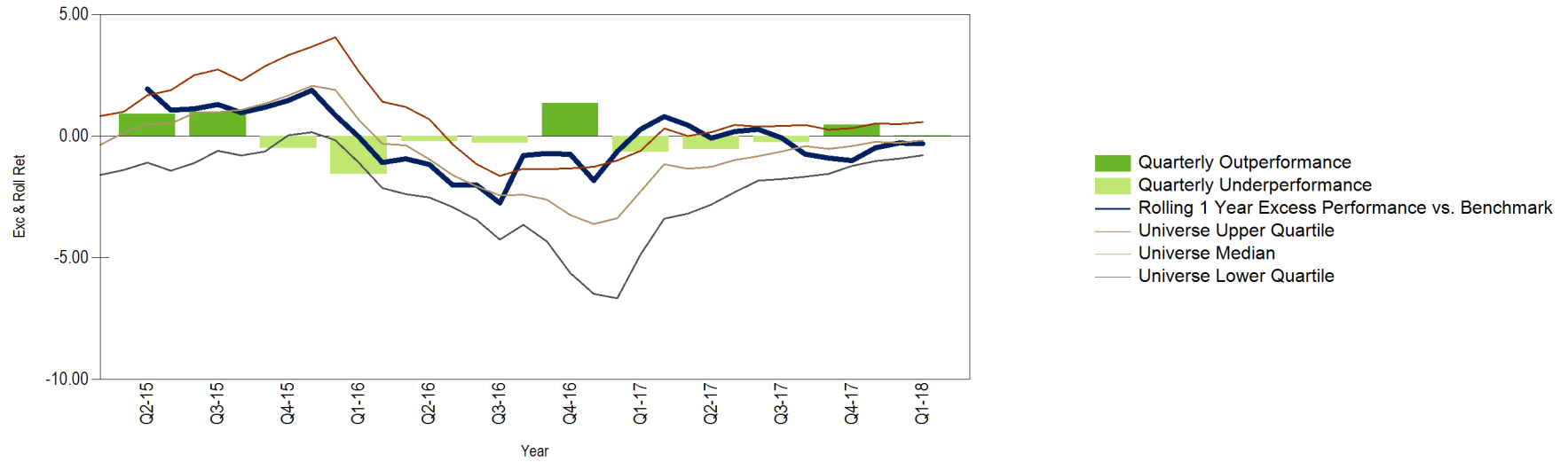


GUGGENHEIM



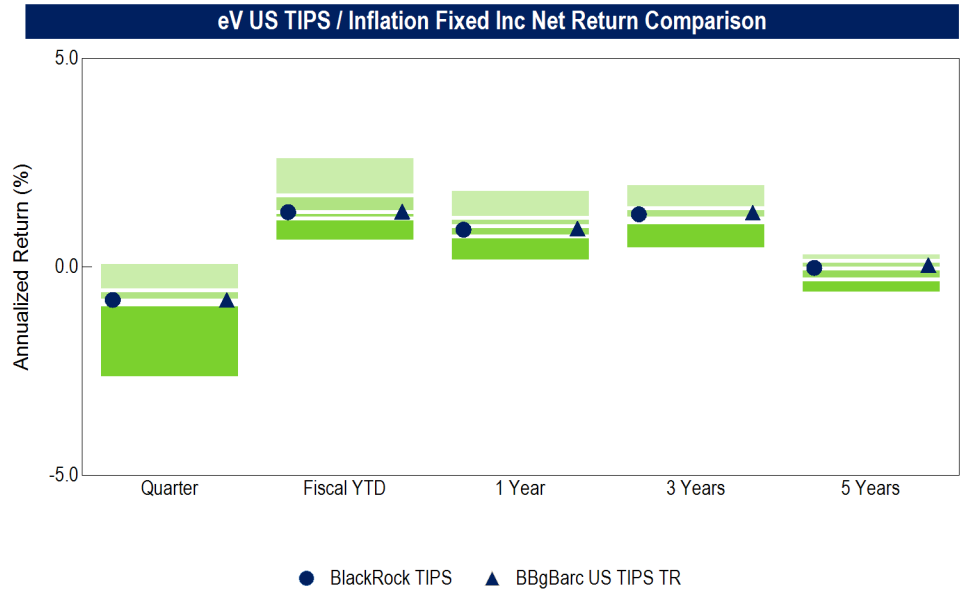
GUGGENHEIM

Annualized Excess Performance

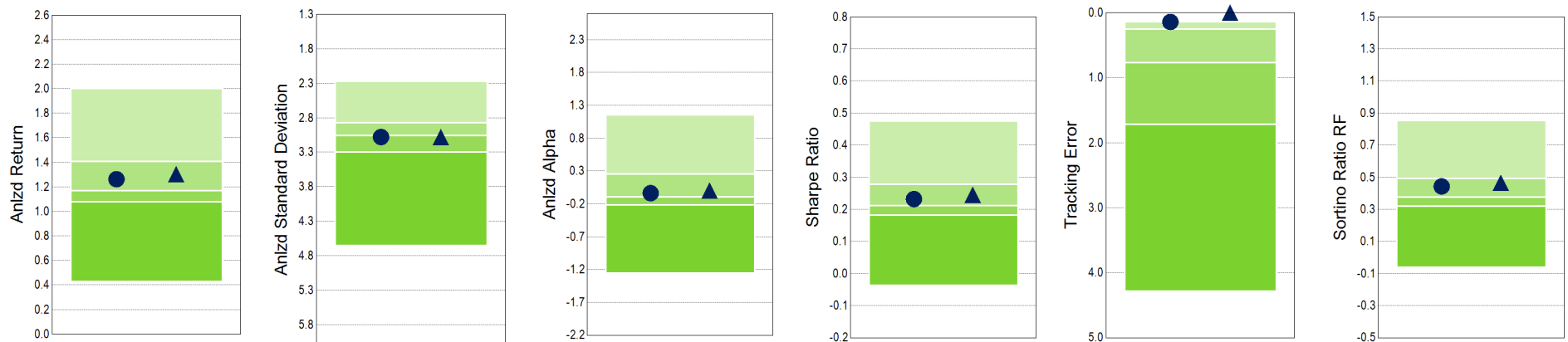


BLACKROCK TIPS

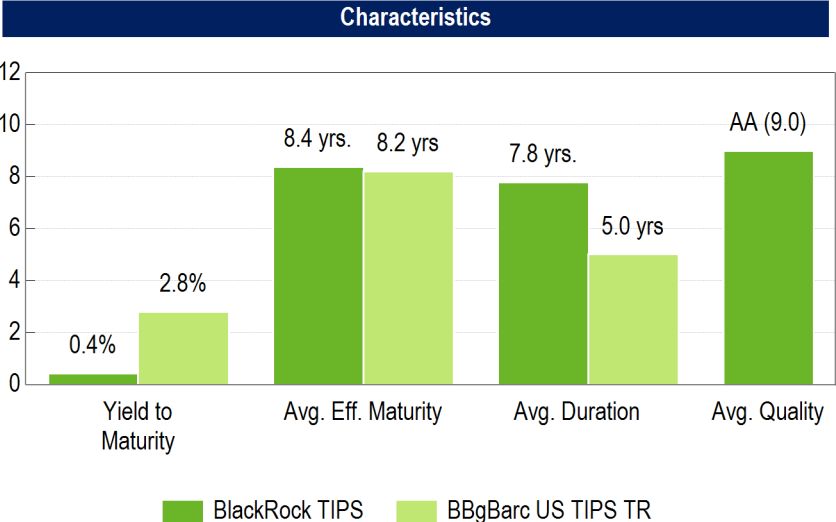
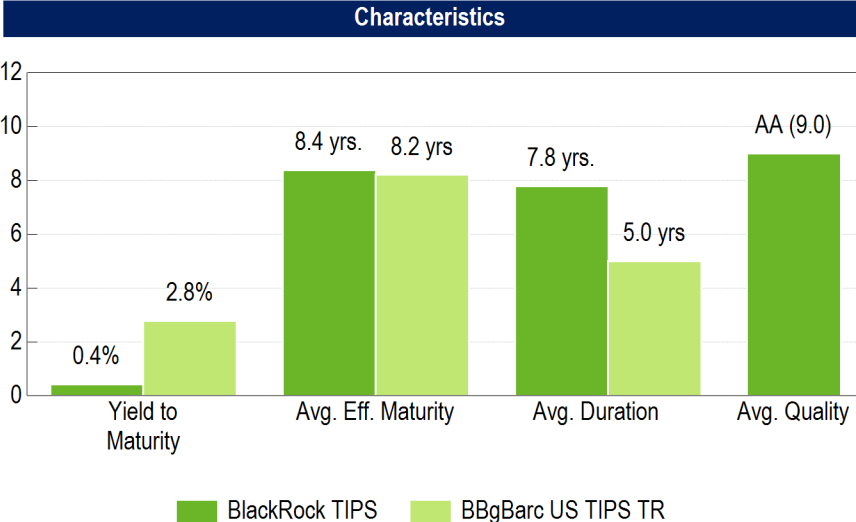
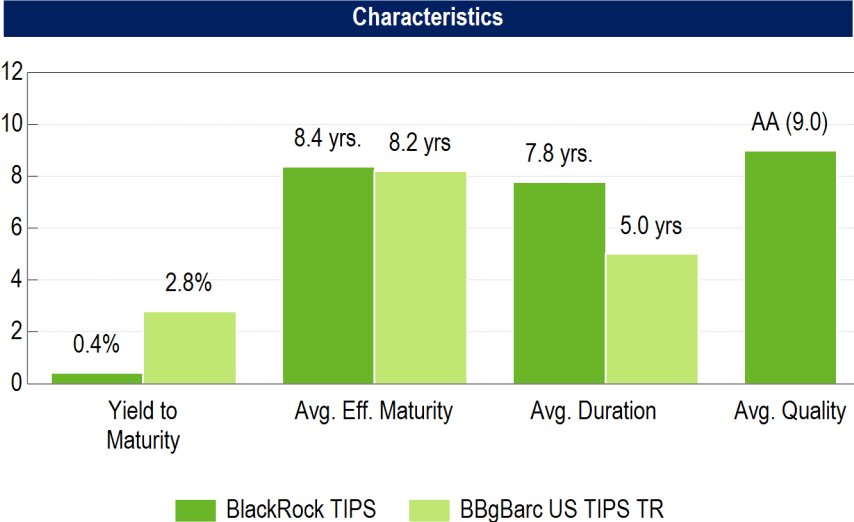
In the management of an inflation-linked bond portfolio, BlackRock will utilize multiple strategies to outperform the index. These include: duration and yield curve positioning, technical supply/demand anomalies related primarily to the ILB auction cycle, seasonal factors related to non-seasonally adjusted inflation-linked indices, break-even spread between ILBs and nominal securities, and, if applicable, sector and country allocation. The team compares nominal yields with real yields and factor in their views on inflation. If the yield spread is less than the inflation rate, then ILBs are considered to trade cheaply to nominal bonds and have greater relative value. The portfolio currently holds about 31 positions, out of 27-29 issues in the benchmark. Turnover is moderate, at around 100-150%.



3 Year Risk Statistics

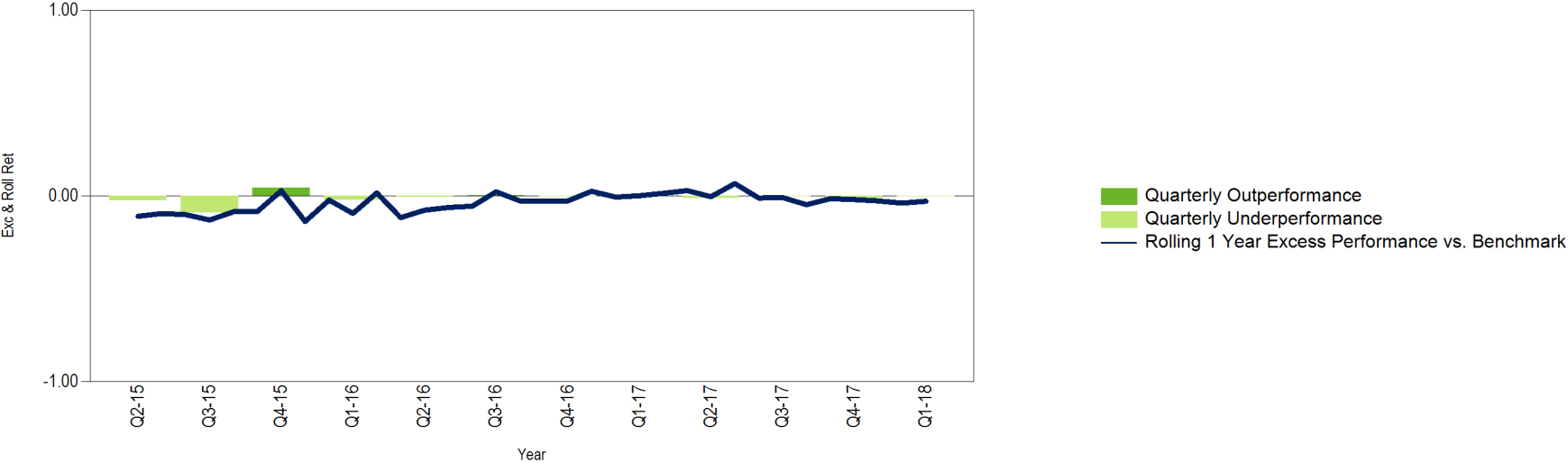


BLACKROCK TIPS

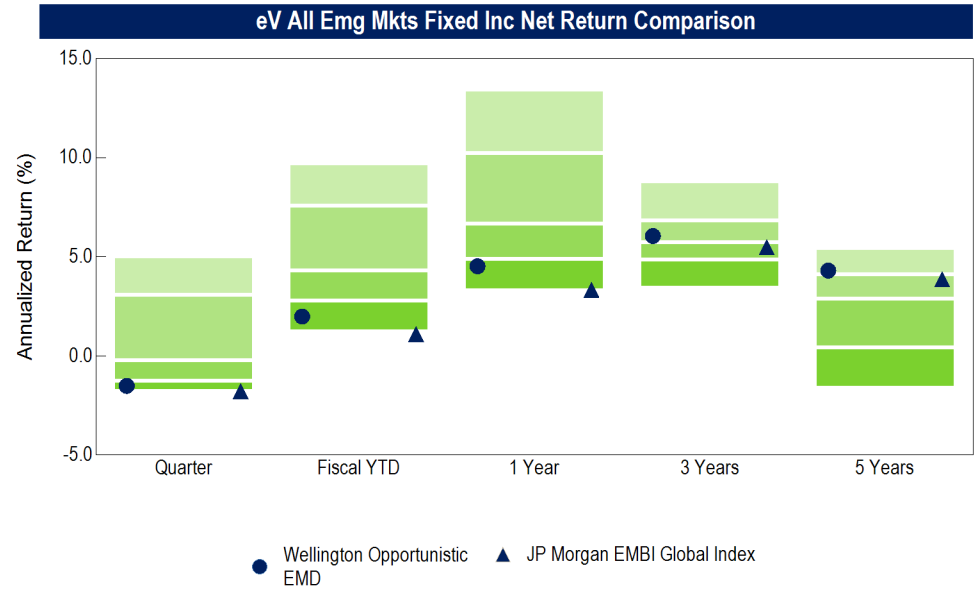


BLACKROCK TIPS

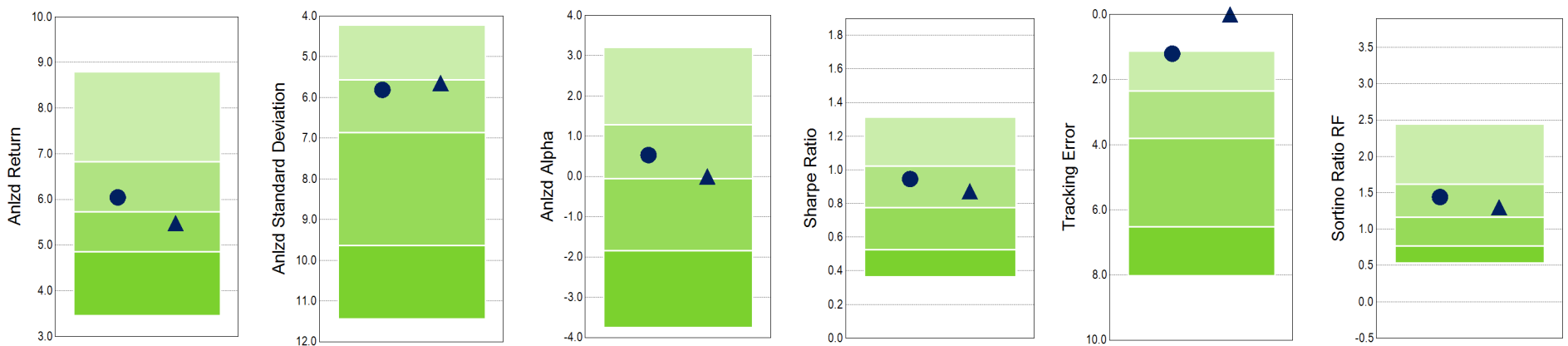
Annualized Excess Performance



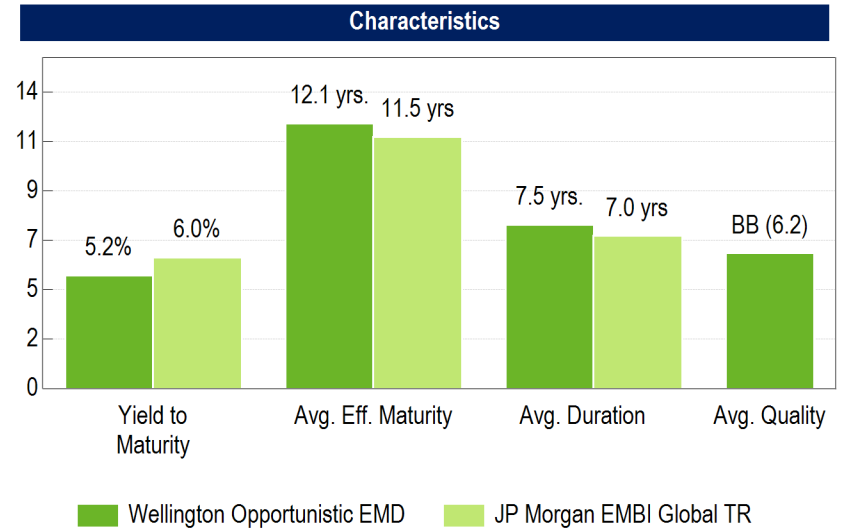
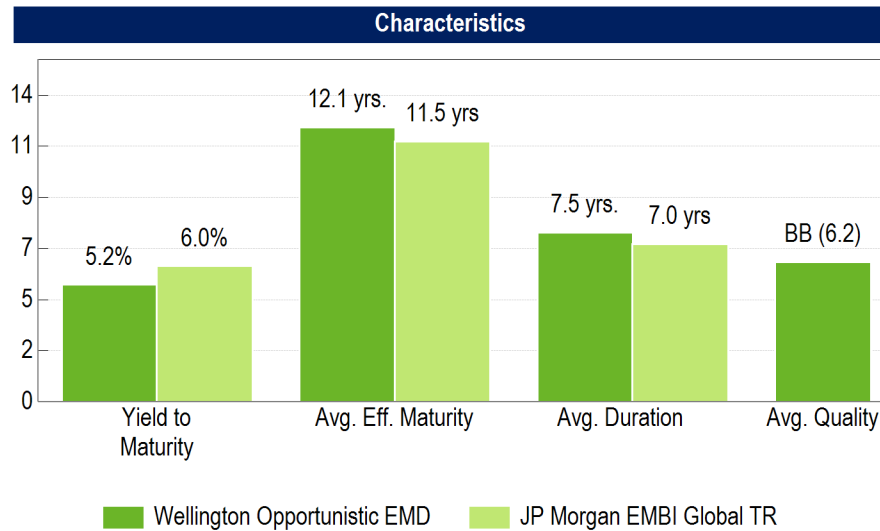
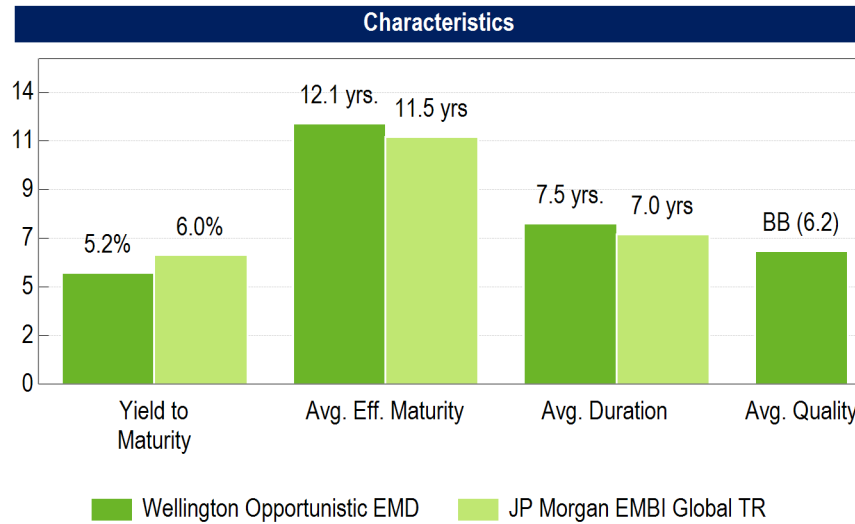
WELLINGTON OPPORTUNISTIC EMD



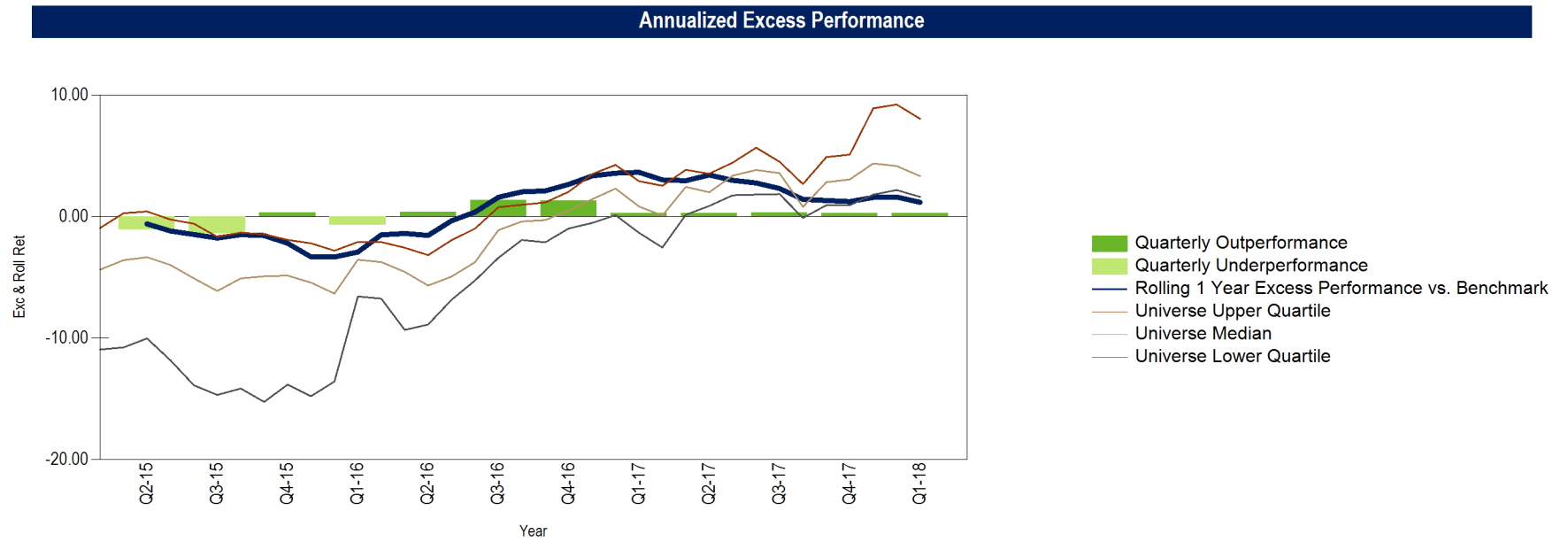
3 Year Risk Statistics



WELLINGTON OPPORTUNISTIC EMD



WELLINGTON OPPORTUNISTIC EMD



PRIVATE EQUITY PERFORMANCE ANALYSIS (AS OF 12/31/2017)

State of Vermont Executive IRR Summary

12/31/2017

Investment Name	Commitment Year	Commitment Amount	QTD	YTD	1 Year	3 Year	5 Year	Inception
HarbourVest HIPEP VII	2014	15,000,000	5.54	24.98	24.98	14.18		15.34
HarbourVest HIPEP VIII	2017	60,000,000						
HarbourVest Partners Co-Investment Fund V	2018	25,000,000						
HarbourVest Partners Dover Street IX	2016	40,000,000	8.31	43.31	43.31			86.85
HarbourVest Partners Dover Street VIII	2012	25,000,000	4.27	20.20	20.20	14.01	16.00	22.29
HarbourVest Partners IX-Buyout	2012	24,000,000	6.48	22.92	22.92	17.35	16.93	17.19
HarbourVest Partners IX-Credit Opportunities	2012	4,000,000	4.95	20.95	20.95	12.39	13.51	15.29
HarbourVest Partners IX-Venture	2012	12,000,000	5.95	16.03	16.03	11.29	15.29	15.41
HarbourVest Partners X Buyout Fund	2015	45,500,000	4.50	38.53	38.53			35.27
HarbourVest Partners X Venture Fund	2015	19,500,000	5.91	34.26	34.26			30.59
HarbourVest Partners XI Buyout Fund	2018	75,000,000						
HarbourVest Partners XI Micro Buyout	2018	12,500,000						
HarbourVest Partners XI Venture Fund	2018	37,500,000						
Total: State of Vermont		395,000,000	5.69	24.47	24.47	17.15	18.06	20.31



PRIVATE EQUITY PERFORMANCE ANALYSIS (AS OF 12/31/2017)

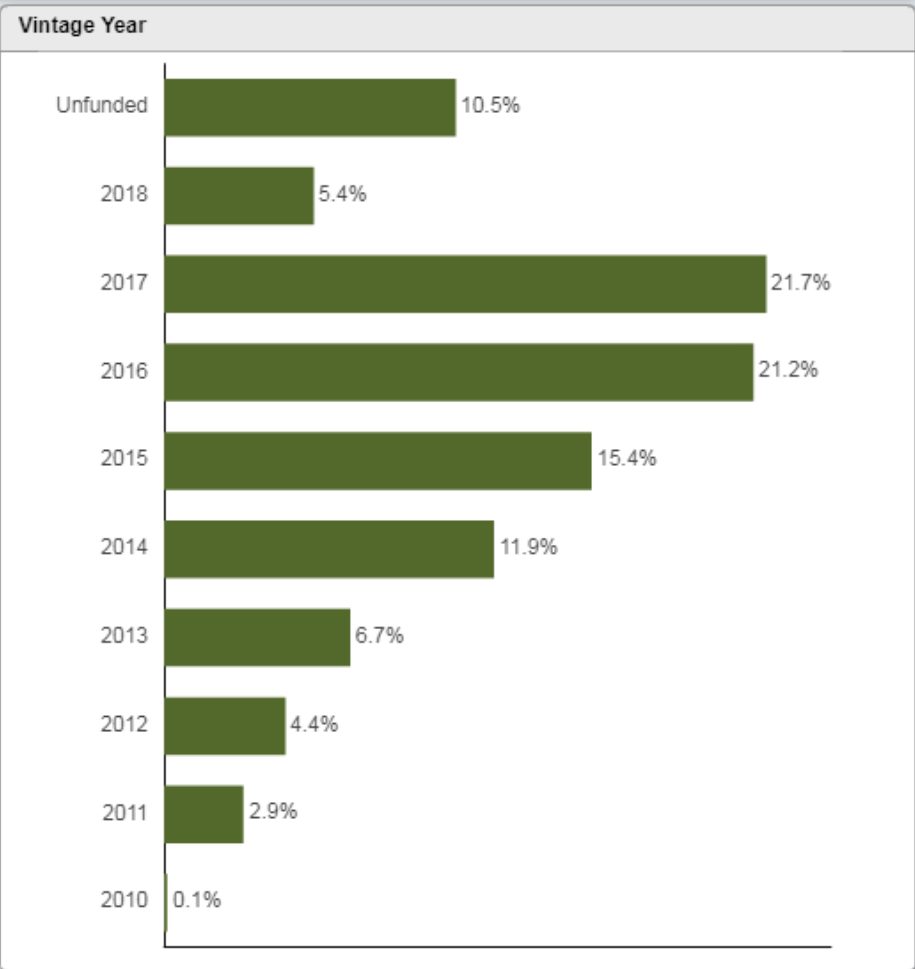
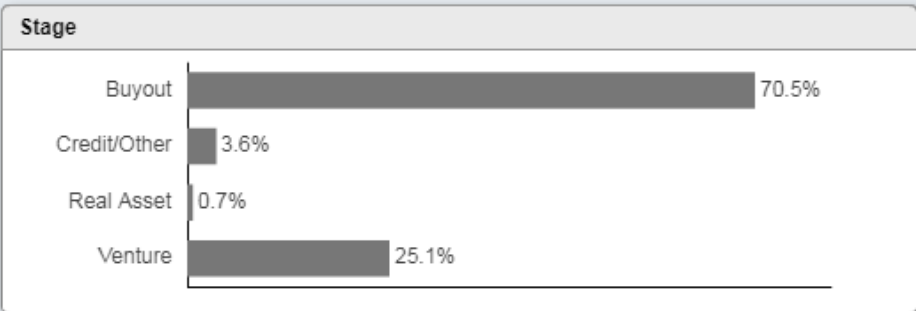
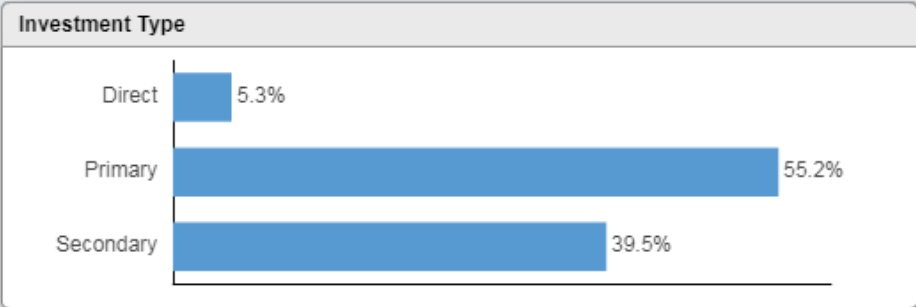
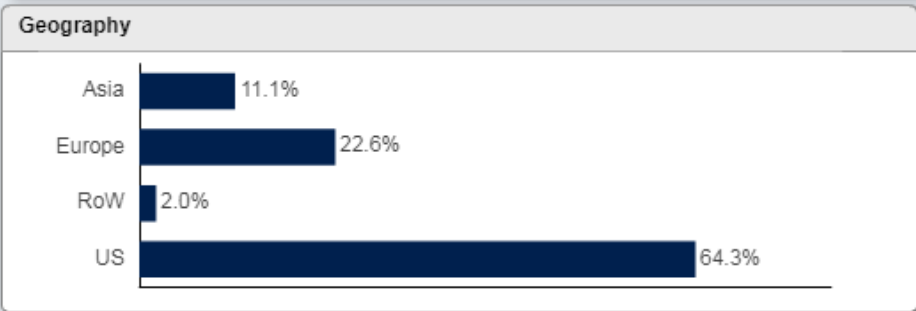
State of Vermont Performance Analysis

12/31/2017

Investment	Commitment Year	Commitment Amount	Paid in Capital	Capital to be Funded	Additional Fees	Cumulative Distributions	Valuation	Total Value	Net Benefit	Call Ratio	DPI Ratio	TVPI Ratio	IRR
State of Vermont													
1 HarbourVest HIPEP VII	2014	15,000,000	6,337,500	8,662,500	0	595,753	7,207,912	7,803,665	1,466,165	42%	0.09	1.23	15.34%
2 HarbourVest HIPEP VIII	2017	60,000,000	0	60,000,000	0	0	0	0	0	0%	0.00	0.00	N/A
3 HarbourVest Partners Co-Investment Fund V	2018	25,000,000	0	25,000,000	0	0	0	0	0	0%	0.00	0.00	N/A
4 HarbourVest Partners Dover Street IX	2016	40,000,000	8,400,000	31,600,000	0	2,258,907	9,066,206	11,325,113	2,925,113	21%	0.27	1.35	86.85%
5 HarbourVest Partners Dover Street VIII	2012	25,000,000	21,875,000	3,125,000	0	17,247,009	15,737,399	32,984,408	11,109,408	88%	0.79	1.51	22.29%
6 HarbourVest Partners IX-Buyout	2012	24,000,000	16,140,000	7,860,000	47,188	8,223,507	15,998,310	24,221,817	8,034,629	67%	0.51	1.50	17.19%
7 HarbourVest Partners IX-Credit Opportunities	2012	4,000,000	2,600,000	1,400,000	10,265	1,305,838	2,340,486	3,646,324	1,036,059	65%	0.50	1.40	15.29%
8 HarbourVest Partners IX-Venture	2012	12,000,000	10,620,000	1,380,000	37,671	4,056,676	11,749,868	15,806,544	5,148,873	89%	0.38	1.48	15.41%
9 HarbourVest Partners X Buyout Fund	2015	45,500,000	7,280,000	38,220,000	2,787	850,805	8,989,054	9,839,859	2,557,072	16%	0.12	1.35	35.27%
10 HarbourVest Partners X Venture Fund	2015	19,500,000	5,021,250	14,478,750	1,672	369,019	5,899,622	6,268,641	1,245,719	26%	0.07	1.25	30.59%
11 HarbourVest Partners XI Buyout Fund	2018	75,000,000	0	75,000,000	0	0	0	0	0	0%	0.00	0.00	N/A
12 HarbourVest Partners XI Micro Buyout	2018	12,500,000	0	12,500,000	0	0	0	0	0	0%	0.00	0.00	N/A
13 HarbourVest Partners XI Venture Fund	2018	37,500,000	0	37,500,000	0	0	0	0	0	0%	0.00	0.00	N/A
Subtotal: State of Vermont		395,000,000	78,273,750	316,726,250	99,583	34,907,514	76,988,857	111,896,371	33,523,038	20%	0.45	1.43	20.31%
Total : State of Vermont		395,000,000	78,273,750	316,726,250	99,583	34,907,514	76,988,857	111,896,371	33,523,038	20%	0.45	1.43	20.31%



PRIVATE EQUITY INVESTMENT DIVERSIFICATION AS OF 3/31/2018

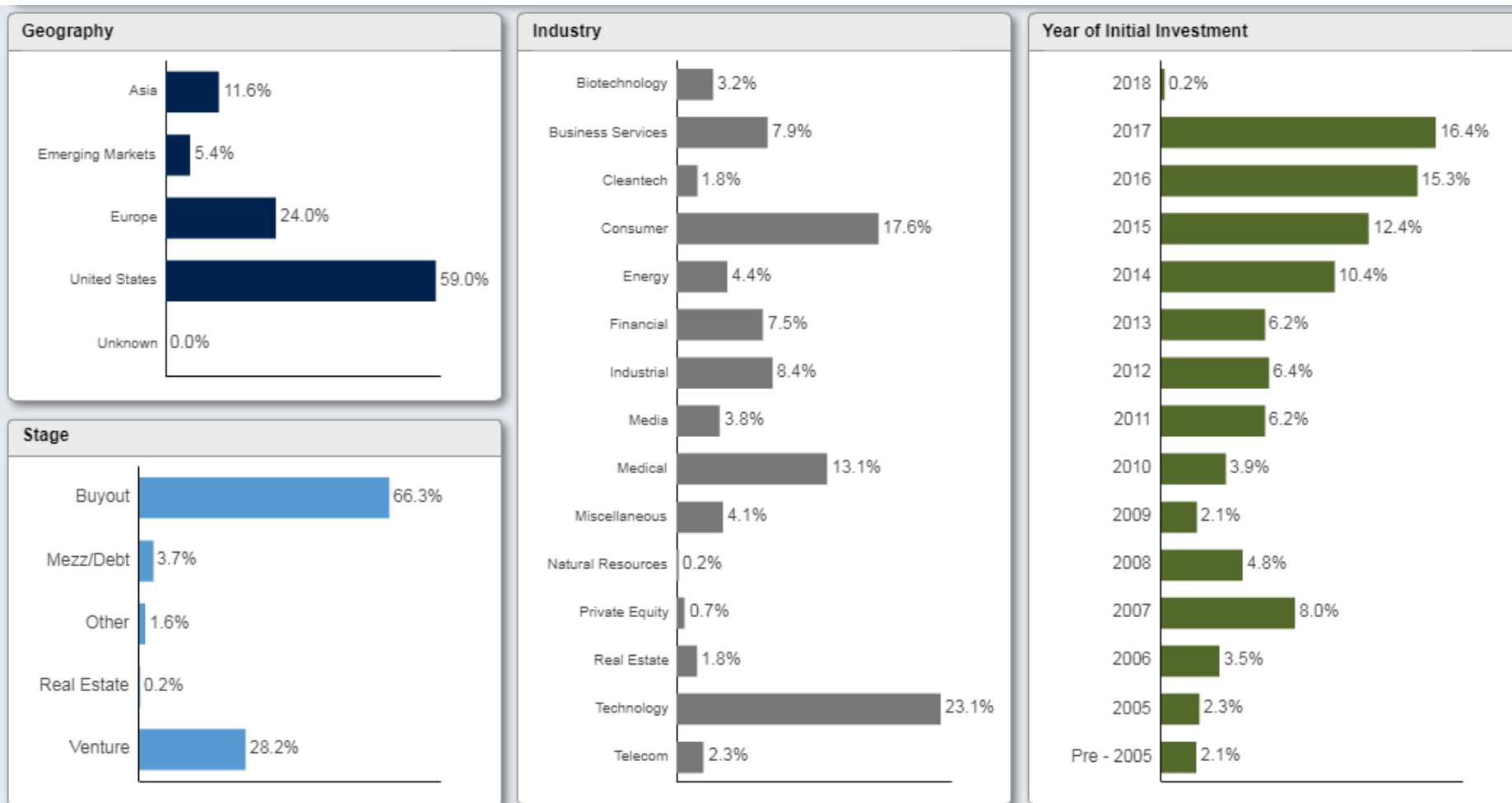


HARBOURView
 insight into your portfolio

For questions and additional information, please contact clientrelations@harbourvest.com.



PRIVATE EQUITY COMPANY DIVERSIFICATION AS OF 3/31/2018



HARBOURView
 insight into your portfolio

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REAL ESTATE PERFORMANCE ANALYSIS (AS OF 12/31/2017)

State of Vermont Executive IRR Summary

12/31/2017

Investment Name	Commitment Year	Commitment Amount	QTD	YTD	1 Year	3 Year	5 Year	Inception
Brookfield Strategic Real Estate Partners III, L.P.	2017	100,000,000						
RREEF America REIT III	2006	70,000,000	-2.55	-7.20	-7.20	6.42	17.55	-7.38
Siguler Guff Distressed Real Estate Opportunities II	2014	40,000,000	5.82	15.73	15.73	11.18		10.63
Siguler Guff DREOF II Co-Investment	2016	15,000,000	11.31	15.25	15.25			17.91
Transwestern Aslan Realty Partnership III	2005	5,000,000	0.02	12.46	12.46	9.25	21.98	-15.27
Total: State of Vermont		230,000,000	6.94	15.32	15.32	10.98	14.30	-3.60



REAL ESTATE PERFORMANCE ANALYSIS (AS OF 12/31/2017)

State of Vermont Performance Analysis 12/31/2017

Investment	Commitment Year	Commitment Amount	Paid in Capital	Capital to be Funded	Cumulative Distributions	Valuation	Total Value	Net Benefit	Call Ratio	DPI Ratio	TVPI Ratio	IRR
State of Vermont												
1 Brookfield Strategic Real Estate Partners III, L.P.	2017	100,000,000	0	100,000,000	0	0	0	0	0%	0.00	0.00	N/A
2 RREEF America REIT III	2006	70,000,000	70,000,000	0	40,783,431	0	40,783,431	-29,216,569	100%	0.58	0.58	-7.38%
3 Siguler Guff Distressed Real Estate Opportunities II	2014	40,000,000	32,620,000	7,380,000	6,496,650	35,310,911	41,807,561	9,187,561	82%	0.20	1.28	10.63%
4 Siguler Guff DREOF II Co-Investment	2016	15,000,000	10,260,217	4,739,783	0	12,047,964	12,047,964	1,787,747	68%	0.00	1.17	17.91%
5 Transwestern Aslan Realty Partnership III	2005	5,000,000	5,000,000	0	1,446,198	0	1,446,198	-3,553,802	100%	0.29	0.29	-15.27%
Subtotal: State of Vermont		230,000,000	117,880,217	112,119,783	48,726,278	47,358,875	96,085,153	-21,795,064	51%	0.41	0.82	-3.60%
Total : State of Vermont		230,000,000	117,880,217	112,119,783	48,726,278	47,358,875	96,085,153	-21,795,064	51%	0.41	0.82	-3.60%



APPENDIX

NEPC, LLC

CALENDAR YEAR INDEX PERFORMANCE

	2009	2010	2011	2012	2013	2014	2015	2016	2017	Jan	Feb	Mar	Q1	YTD
S&P 500	26.5%	15.1%	2.1%	16.0%	32.4%	13.7%	1.4%	12.0%	21.8%	5.7%	-3.7%	-2.5%	-0.8%	-0.8%
Russell 1000	28.4%	16.1%	1.5%	16.4%	33.1%	13.2%	0.9%	12.1%	21.7%	5.5%	-3.7%	-2.3%	-0.7%	-0.7%
Russell 2000	27.2%	26.9%	-4.2%	16.3%	38.8%	4.9%	-4.4%	21.3%	14.6%	2.6%	-3.9%	1.3%	-0.1%	-0.1%
Russell 2500	34.4%	26.7%	-2.5%	17.9%	36.8%	7.1%	-2.9%	17.6%	16.8%	3.0%	-4.1%	1.0%	-0.2%	-0.2%
MSCI EAFE	31.8%	7.8%	-12.1%	17.3%	22.8%	-4.9%	-0.8%	1.0%	25.0%	5.0%	-4.5%	-1.8%	-1.5%	-1.5%
MSCI EM	78.5%	18.9%	-18.4%	18.2%	-2.6%	-2.2%	-14.9%	11.2%	37.3%	8.3%	-4.6%	-1.9%	1.4%	1.4%
MSCI ACWI	34.6%	12.7%	-7.3%	16.1%	22.8%	4.2%	-2.4%	7.9%	24.0%	5.6%	-4.2%	-2.1%	-1.0%	-1.0%
Private Equity*	13.7%	19.7%	7.9%	12.5%	20.6%	12.7%	9.6%	8.3%	13.7%*	-	-	-	-	-
BC TIPS	11.4%	6.3%	13.6%	7.0%	-8.6%	3.6%	-1.4%	4.7%	3.0%	-0.9%	-1.0%	1.1%	-0.8%	-0.8%
BC Municipal Bond	12.9%	2.4%	10.7%	6.8%	-2.6%	9.1%	3.3%	0.2%	6.2%	-1.2%	-0.3%	0.4%	-1.1%	-1.1%
BC Muni High Yield	32.7%	7.8%	9.2%	18.1%	-5.5%	13.8%	1.8%	3.0%	9.7%	-0.9%	0.1%	1.5%	0.6%	0.6%
BC US Corp High Yield	58.2%	15.1%	5.0%	15.8%	7.4%	2.5%	-4.5%	17.1%	7.5%	0.6%	-0.8%	-0.6%	-0.9%	-0.9%
BC US Aggregate	5.9%	6.5%	7.8%	4.2%	-2.0%	6.0%	0.5%	2.6%	4.2%	-1.2%	-0.9%	0.6%	-1.5%	-1.5%
BC Global Aggregate	-6.5%	-5.3%	-5.3%	-4.1%	2.7%	-0.6%	3.3%	2.1%	7.4%	1.2%	-0.9%	1.1%	1.4%	1.4%
BC Long Treasuries	-12.9%	9.4%	29.9%	3.6%	-12.7%	25.1%	-1.2%	1.3%	8.5%	-3.2%	-3.0%	3.0%	-3.3%	-3.3%
BC US Long Credit	16.8%	10.7%	17.1%	12.7%	-6.6%	16.4%	-4.6%	10.2%	13.7%	-1.3%	-3.3%	0.7%	-3.8%	-3.8%
BC US STRIPS 20+ Yr	-36.0%	10.9%	58.5%	3.0%	-21.0%	46.4%	-3.7%	1.4%	10.7%	-4.2%	-4.6%	4.4%	-4.6%	-4.6%
JPM GBI-EM Glob Div	22.0%	15.7%	-1.8%	16.8%	-9.0%	-5.7%	-14.9%	9.9%	14.6%	4.5%	-1.0%	1.0%	4.4%	4.4%
JPM EMBI Glob Div	29.8%	12.2%	7.3%	17.4%	-5.3%	7.4%	1.2%	10.2%	12.2%	0.0%	-2.0%	0.3%	-1.7%	-1.7%
CS Leveraged Loan	44.9%	10.0%	1.8%	9.4%	6.2%	2.1%	-0.4%	9.9%	5.2%	1.1%	0.2%	0.3%	1.6%	1.6%
CS Hedge Fund	18.6%	10.9%	-2.5%	7.7%	9.7%	4.1%	-0.7%	1.2%	7.1%	2.7%	-2.1%	-	0.5%	0.5%
BBG Commodity	18.9%	16.8%	-13.3%	-1.1%	-9.5%	-17.0%	-24.7%	11.8%	0.8%	2.0%	-1.7%	-0.6%	-0.4%	-0.4%
Alerian MLP	76.4%	35.9%	13.9%	4.8%	27.6%	4.8%	-32.6%	18.3%	-6.5%	5.8%	-9.7%	-6.9%	-11.1%	-11.1%
FTSE NAREIT Eqy REITs	28.0%	28.0%	8.3%	18.1%	2.5%	30.1%	3.2%	8.5%	3.5%	-4.2%	-7.7%	3.8%	-8.2%	-8.2%

Source: Bloomberg, Barclays, Alerian, Nareit, MSCI, JP Morgan, Credit Suisse, Thomson One
 *Private Equity return represents calendar year pooled IRR and is subject to a one quarter lag



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- **The goal of this report is to provide a basis for monitoring financial markets. The opinions presented herein represent the good faith views of NEPC as of the date of this report and are subject to change at any time.**
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