

#### **VPIC - State Teachers**

Investment Summary Quarter Ending March 31, 2013

One Main Street, Cambridge, MA 02142 | TEL: 617.374.1300 | FAX: 617.374.1313 | www.nepc.com

CAMBRIDGE | ATLANTA | CHARLOTTE | CHICAGO | DETROIT | LAS VEGAS | SAN FRANCISCO



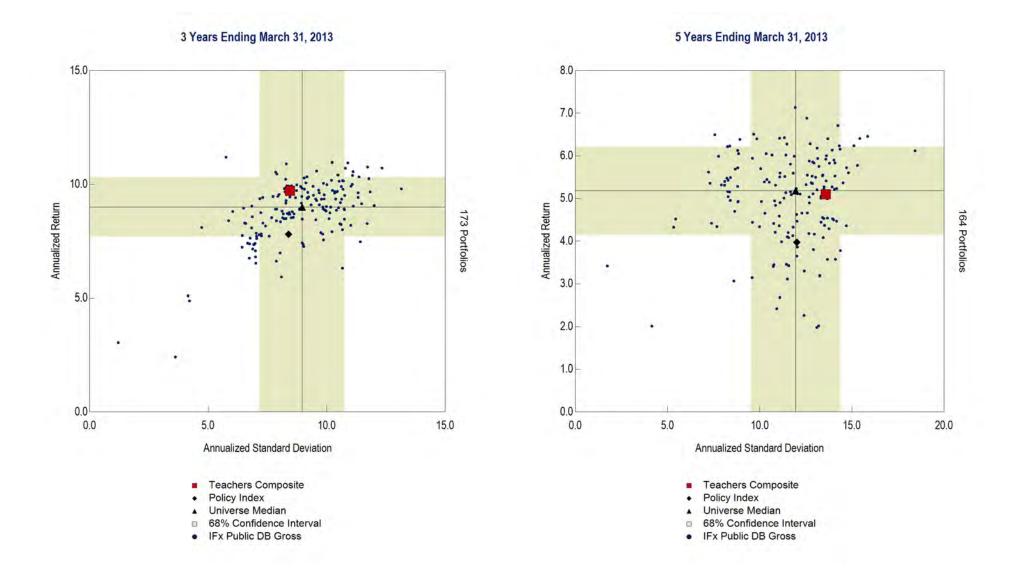
### Total Fund Performance Summary

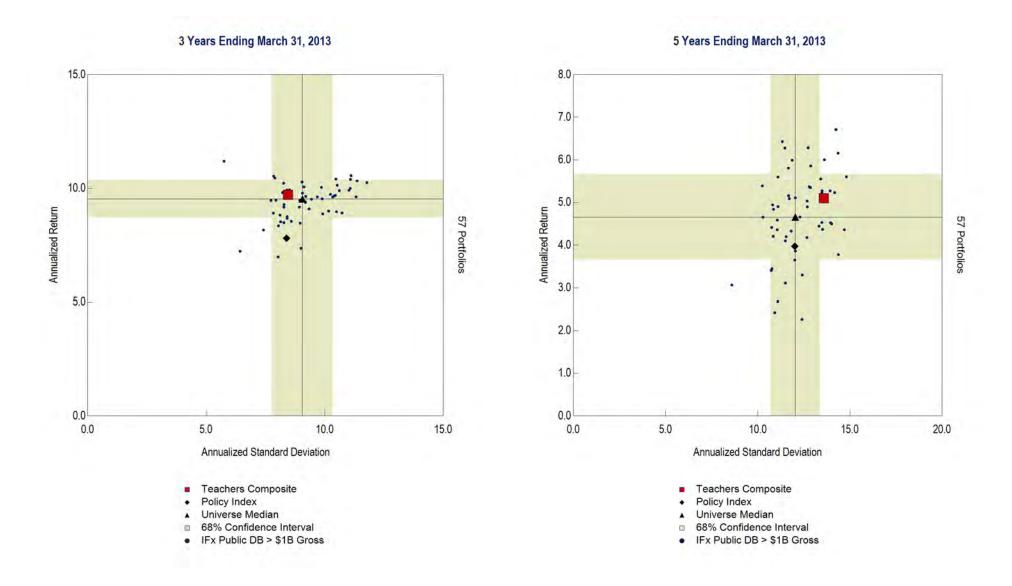
		Market Value	3 Mo	Rank	YTD	Rank	Fiscal YTD	Rank	1 Yr	Rank	3 Yrs	Rank	5 Yrs	Rank
<b>Teachers Composite</b>		\$1,617,688,867	3.5%	90	3.5%	90	11.2%	66	10.3%	37	9.7%	26	5.1%	55
Policy Index			3.0%	95	3.0%	95	9.6%	90	8.0%	87	7.8%	83	4.0%	86
Allocation Index			3.1%	94	3.1%	94	9.6%	90	7.8%	90	7.6%	87	4.3%	81
IFx Public DB Gross Median			5.0%		5.0%		11.9%		9.8%		9.0%		5.2%	
		3	Years Endi	ing March	31, 2013									
	Anlzd Ret	Rank	Anlzd Sto	d Dev	Rank	(	Sharpe R	Ratio	Rank		Sortino Ra	tio RF	Rank	
Teachers Composite	9.72%	26	8.45%	6	42		1.14		18		1.57		30	
Policy Index	7.80%	83	8.39%	6	39		0.92		70		1.36		62	

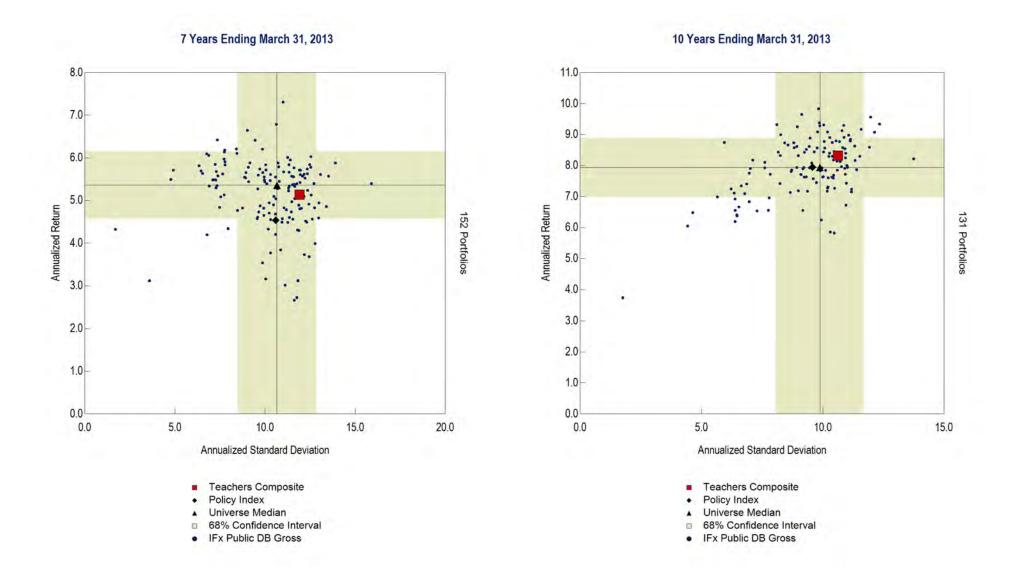
			5 Years Ending March	31, 2013				
	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Sharpe Ratio	Rank	Sortino Ratio RF	Rank
Teachers Composite	5.10%	55	13.59%	81	0.36	71	0.38	81
Policy Index	3.97%	86	12.01%	52	0.31	83	0.35	87

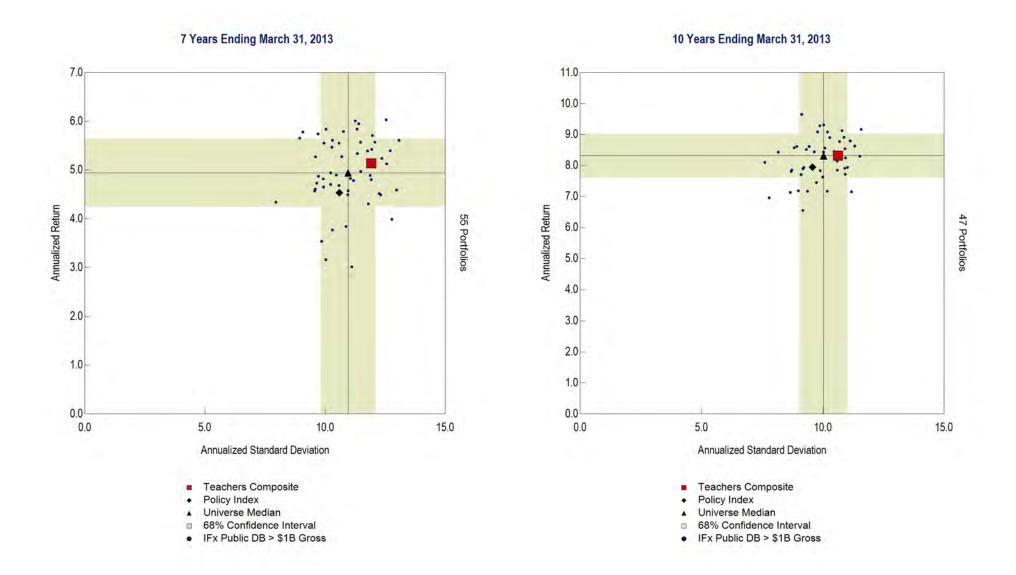




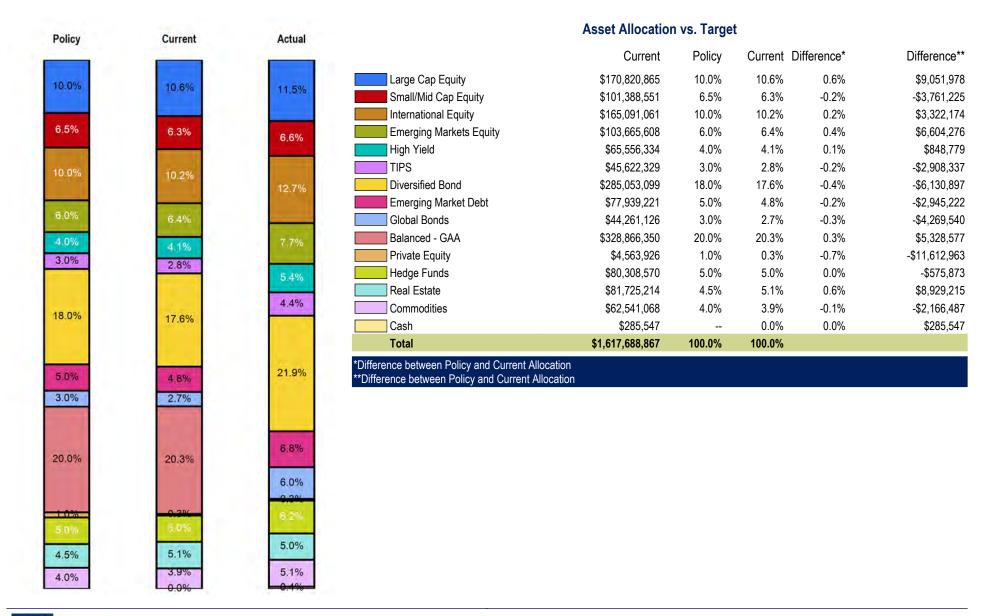




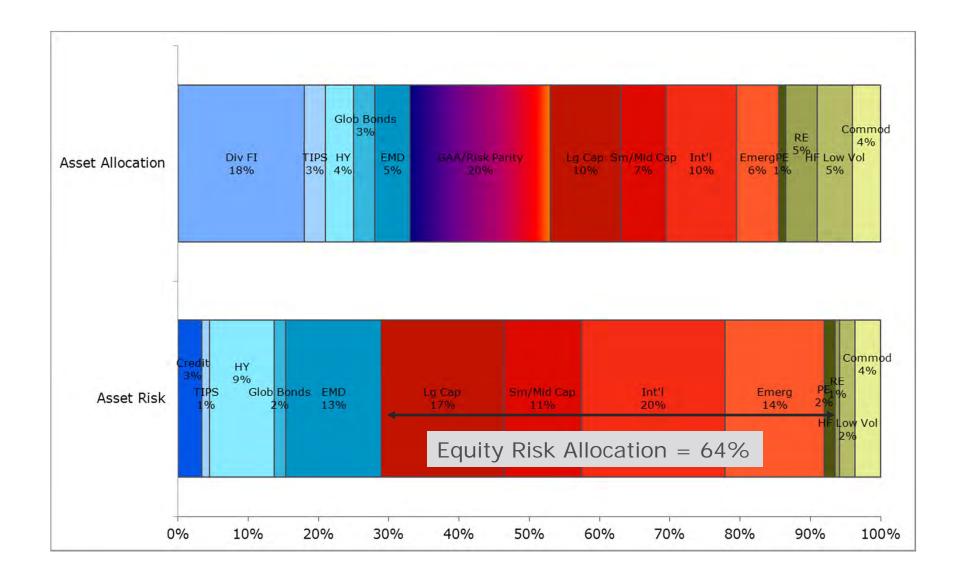




### Total Fund Asset Allocation vs. Policy Targets



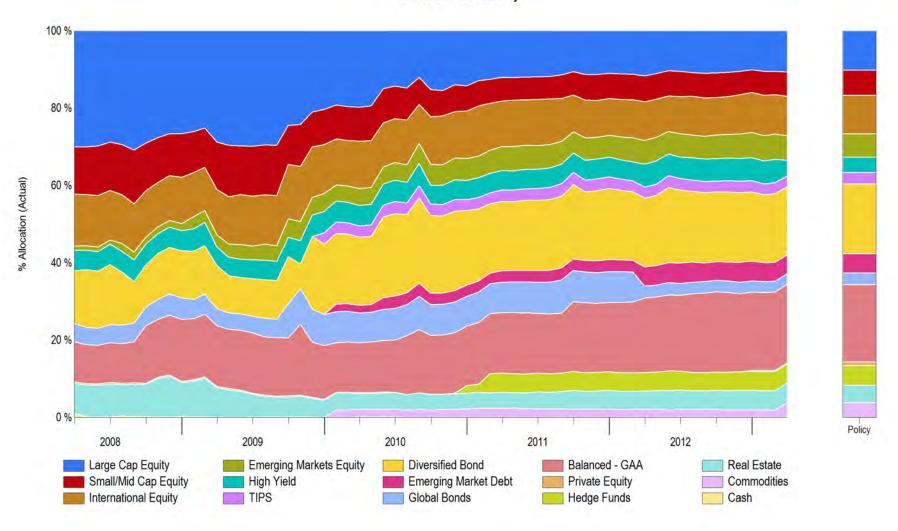
### **Total Plan Performance Analysis**





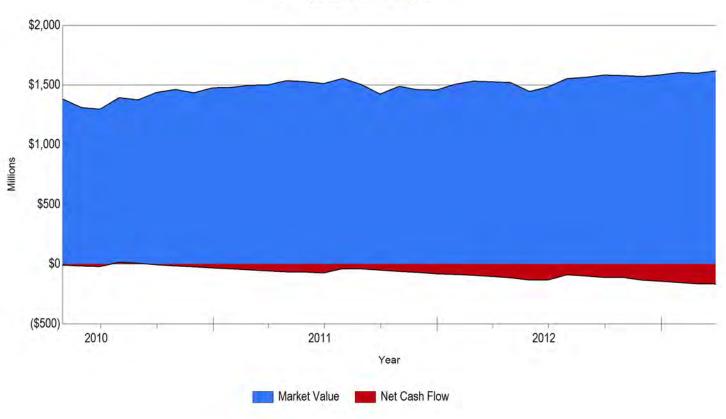
### Total Fund Asset Allocation History





## Total Fund Asset Growth Summary

3 Years Ending March 31, 2013



	Last Three Months	Year-To-Date	Fiscal Year-To-Date	One Year	Three Years
Beginning Market Value	\$1,585,232,773	\$1,585,232,773	\$1,484,481,195	\$1,527,089,223	\$1,368,780,994
- Withdrawals	-\$66,025,534	-\$66,025,534	-\$130,238,556	-\$180,350,122	-\$1,348,473,697
+ Contributions	\$42,671,052	\$42,671,052	\$97,027,388	\$117,715,055	\$1,182,113,724
= Net Cash Flow	-\$23,354,481	-\$23,354,481	-\$33,211,168	-\$63,098,945	-\$166,823,852
+ Net Investment Change	\$55,810,575	\$55,810,575	\$166,418,840	\$153,698,589	\$415,731,725
= Ending Market Value	\$1,617,688,867	\$1,617,688,867	\$1,617,688,867	\$1,617,688,867	\$1,617,688,867



## Teachers Composite

#### Cash Flows 6 Months Ending March 31, 2013

Month Ending	Beginning Market Value	Withdrawals	Contributions	Net Cash Flow	Net Investment Change	Ending Market Value
Oct-12	\$1,583,520,994.32	-\$72,307.30	\$907.82	-\$71,399.48	-\$4,143,271.10	\$1,579,306,323.74
Nov-12	\$1,579,306,323.74	-\$28,070,689.26	\$6,001,666.00	-\$22,069,023.26	\$14,167,966.62	\$1,571,405,267.10
Dec-12	\$1,571,405,267.10	-\$13,344,129.84	\$4,092,872.22	-\$9,251,257.62	\$23,078,763.52	\$1,585,232,773.00
Jan-13	\$1,585,232,773.00	-\$21,145,583.93	\$10,212,087.00	-\$10,933,496.93	\$30,785,236.43	\$1,605,084,512.50
Feb-13	\$1,605,084,512.50	-\$10,571,091.37	\$374,628.00	-\$10,196,463.37	\$3,865,795.12	\$1,598,753,844.25
Mar-13	\$1,598,753,844.25	-\$34,308,858.28	\$32,084,337.49	-\$2,224,520.79	\$21,159,543.79	\$1,617,688,867.25



## Total Fund Asset Growth Summary by Manager

#### Quarter Ending March 31, 2013

			Quarter Enamy	War Cit 01, 2010		
	Beginning Market Value	Withdrawals	Contributions	Net Cash Flow	Net Investment Change	Ending Market Value
Aberdeen	\$103,156,445	\$0	\$0	\$0	\$509,163	\$103,665,608
Acadian	\$66,543,787	-\$6,700,000	\$0	-\$6,700,000	\$4,999,958	\$64,843,745
Allianz Structured Alpha	\$38,529,750	\$0	\$0	\$0	\$518,642	\$39,048,392
AQR Global Risk Premium	\$128,968,751	\$0	\$0	\$0	\$5,865,863	\$134,834,614
BlackRock TIPS	\$45,787,986	\$0	\$0	\$0	-\$165,657	\$45,622,329
Champlain	\$30,742,030	\$0	\$0	\$0	\$4,537,731	\$35,279,761
GAM	\$15,470,440	\$0	\$0	\$0	\$688,868	\$16,159,308
Grosvenor	\$30,359,208	\$0	\$0	\$0	\$1,439,567	\$31,798,775
Harbourvest Dover VIII Fund	\$1,756,663	\$0	\$0	\$0	-\$7,602	\$1,749,061
Harbourvest Partners IX Buyout Fund	\$1,626,444	\$0	\$0	\$0	-\$19,899	\$1,606,545
Harbourvest Partners IX Credit Opportunities	\$287,358	\$0	\$0	\$0	-\$3,317	\$284,042
Harbourvest Partners IX Venture Fund	\$933,934	\$0	\$0	\$0	-\$9,656	\$924,278
KDP	\$16,280,332	\$0	\$0	\$0	\$320,731	\$16,601,064
Mellon Global Expanded Alpha	\$31,717,423	\$0	\$0	\$0	\$1,451,691	\$33,169,113
Mondrian	\$65,069,021	-\$2,000,000	\$0	-\$2,000,000	\$2,857,903	\$65,926,924
Mondrian GFI	\$46,062,424	\$0	\$0	\$0	-\$1,801,299	\$44,261,126
Morgan Stanley Prime Property	\$34,138,396	\$0	\$0	\$0	\$862,008	\$35,000,403
Permal	\$30,813,380	\$0	\$0	\$0	\$1,537,107	\$32,350,488
PIMCO All Asset	\$97,001,883	-\$2,000,000	\$0	-\$2,000,000	\$848,492	\$95,850,375
PIMCO Core Plus	\$102,862,012	\$0	\$0	\$0	\$624,522	\$103,486,535
PIMCO Unconstrained	\$102,306,826	\$0	\$0	\$0	\$610,504	\$102,917,330
Post Advisory	\$78,469,307	-\$32,000,000	\$0	-\$32,000,000	\$2,485,963	\$48,955,270
RREEF America REIT III	\$14,348,761	-\$374,381	\$0	-\$374,381	\$377,537	\$14,351,918
Schroder	\$31,200,632	\$0	\$32,000,000	\$32,000,000	-\$659,565	\$62,541,068
SSgA ACWI Ex US	\$33,263,599	\$0	\$0	\$0	\$1,056,793	\$34,320,392



## Total Fund Asset Growth Summary by Manager

#### Quarter Ending March 31, 2013

			3	, =		
	Beginning Market Value	Withdrawals	Contributions	Net Cash Flow	Net Investment Change	Ending Market Value
SSgA Russell 2000 Growth	\$19,731,365	\$0	\$0	\$0	\$2,611,004	\$22,342,369
SSgA S&P 400	\$8,638,835	\$0	\$0	\$0	\$1,163,892	\$9,802,727
SSgA S&P 500 Cap-Wgt	\$63,747,176	\$0	\$0	\$0	\$6,778,544	\$70,525,721
SSgA S&P 500 Equal-Wgt	\$47,734,421	-\$5,100,000	\$0	-\$5,100,000	\$5,745,538	\$48,379,959
T. Rowe	\$47,003,494	\$0	\$0	\$0	\$4,911,692	\$51,915,186
Transwestern / Aslan III	\$395,681	\$0	\$0	\$0	\$0	\$395,681
UBS Trumbull	\$31,456,088	\$0	\$84,337	\$84,337	\$436,786	\$31,977,212
Vermont Cash	\$594,548	-\$10,895,760	\$10,586,715	-\$309,045	\$45	\$285,547
Wellington	\$33,563,627	-\$3,500,000	\$0	-\$3,500,000	\$3,900,067	\$33,963,694
Wellington DAS	\$39,360,374	\$0	\$0	\$0	\$240,468	\$39,600,842
Wellington OIF	\$63,753,340	\$0	\$0	\$0	\$1,258,908	\$65,012,248
Wellington Opportunistic EMD	\$81,557,033	-\$3,000,000	\$0	-\$3,000,000	-\$617,812	\$77,939,221
Total	\$1,585,232,773	-\$65,570,141	\$42,671,052	-\$22,899,088	\$55,355,182	\$1,617,688,867



## Total Fund Performance Detail

	Market Value (\$)	% of Portfolio	2013 Q1 (%)	Rank	YTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank
Teachers Composite	1,617,688,867	100.0	3.5	90	3.5	90	10.3	37	9.7	26	5.1	55
Policy Index			3.0	95	3.0	95	8.0	87	7.8	83	4.0	86
Allocation Index			3.1	94	3.1	94	7.8	90	7.6	87	4.3	81
IFx Public DB Gross Median			5.0		5.0		9.8		9.0		5.2	
Large Cap Comp	170,820,865	10.6	11.1	37	11.1	37	14.8	37	13.0	35	7.3	30
S&P 500			10.6	47	10.6	47	14.0	44	12.7	40	5.8	60
eA US Large Cap Equity Gross Median			10.5		10.5		13.3		12.1		6.2	
T. Rowe	51,915,186	3.2	10.4	51	10.4	51	13.5	48	12.4	46	6.5	45
SSgA S&P 500 Cap-Wgt	70,525,721	4.4	10.6	47	10.6	47	14.0	43				
S&P 500			10.6	47	10.6	47	14.0	44	12.7	40	5.8	60
SSgA S&P 500 Equal-Wgt	48,379,959	3.0	12.4	16	12.4	16	17.2	16	14.1	18	8.9	10
S&P 500 Equal Weighted			12.5	14	12.5	14	17.5	14	14.3	16	9.2	9
Small/Mid Cap Comp	101,388,551	6.3	13.3	30	13.3	30	16.6	40	15.4	35	10.3	41
Russell 2000			12.4	46	12.4	46	16.3	42	13.5	70	8.2	71
eA US Small-Mid Cap Equity Gross Median			12.2		12.2		15.2		14.7		9.4	
SSgA S&P 400	9,802,727	0.6	13.5	25	13.5	25	17.9	27				
S&P 400 MidCap			13.5	25	13.5	25	17.8	28	15.1	37	9.8	32
eA US Mid Cap Equity Gross Median			12.0		12.0		14.2		14.3		8.8	
Champlain	35,279,761	2.2	14.8	8	14.8	8	16.1	40	15.8	25	-	
Russell 2500			12.8	35	12.8	35	17.7	28	14.6	44	9.0	46
eA US Mid Cap Equity Gross Median			12.0		12.0		14.2		14.3		8.8	
Wellington	33,963,694	2.1	12.1	60	12.1	60	19.1	39	15.6	26	12.2	17
Russell 2000 Value			11.6	68	11.6	68	18.1	51	12.1	81	7.3	87
eA US Small Cap Value Equity Gross Median			12.6		12.6		18.1		14.0		9.7	
SSgA Russell 2000 Growth	22,342,369	1.4	13.2	45	13.2	45	14.2	48	14.7	66	9.0	57
Russell 2000 Growth			13.2	45	13.2	45	14.5	45	14.7	64	9.0	57
eA US Small Cap Growth Equity Gross Median			12.9		12.9		13.9		16.1		9.7	

Note: Returns are gross of manager fees. Results for periods longer than one year are annualized.



## Total Fund Performance Detail

	Market Value (\$)	% of Portfolio	2013 Q1 (%)	Rank	YTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank
Int'l Equity Comp	165,091,061	10.2	5.4	45	5.4	45	9.8	77	5.9	70	-1.0	86
MSCI EAFE			5.1	51	5.1	51	11.3	66	5.0	82	-0.9	85
eA All EAFE Equity Gross Median			5.2		5.2		12.8		7.4		0.9	
Acadian	64,843,745	4.0	7.7	21	7.7	21	12.9	49	6.8	58	-2.0	92
Mondrian	65,926,924	4.1	4.4	68	4.4	68	7.4	89	5.2	79	-0.5	78
MSCI EAFE			5.1	51	5.1	51	11.3	66	5.0	82	-0.9	85
SSgA ACWI Ex US	34,320,392	2.1	3.2	66	3.2	66	8.7	71				
MSCI ACWI ex USA			3.2	66	3.2	66	8.4	74	4.4	91	-0.4	85
eA ACWI ex-US All Cap Equity Gross Median			4.0		4.0		10.1		7.6		1.4	
Emerging Market Comp	103,665,608	6.4	0.5	45	0.5	45	-		-		-	
Aberdeen	103,665,608	6.4	0.5	45	0.5	45	10.6	16	11.7	6	10.6	4
MSCI Emerging Markets			-1.6	78	-1.6	78	2.0	73	3.3	68	1.1	70
eA Emg Mkts Equity Gross Median			0.2		0.2		5.5		4.9		2.4	
Diversified Fixed	285,053,099	17.6	0.7	23	0.7	23	6.9	33	7.5	35	6.3	45
Barclays Aggregate			-0.1	87	-0.1	87	3.8	68	5.5	62	5.5	65
eA All US Fixed Inc Gross Median			0.3		0.3		5.0		6.3		6.1	
Allianz Structured Alpha	39,048,392	2.4	1.3	2	1.3	2	13.5	1	9.1	2	7.5	10
Citigroup 10 Year Treasury			-0.4	97	-0.4	97	6.2	17	9.1	2	6.1	63
PIMCO Core Plus	103,486,535	6.4	0.6	12	0.6	12	6.3	15	7.2	17		
Barclays Aggregate			-0.1	91	-0.1	91	3.8	90	5.5	85	5.5	88
PIMCO Unconstrained	102,917,330	6.4	0.6	12	0.6	12	3.8	90				
25% HY, 25% EMD, 50% BC Agg			0.1	60	0.1	60	7.7	4	8.3	4	8.3	3
3-Month Libor Total Return USD			0.1	61	0.1	61	0.4	99	0.4	99	0.8	99
Wellington DAS	39,600,842	2.4	0.6	12	0.6	12	9.4	1	10.8	1		
Wellington Custom Benchmark			-2.1	99	-2.1	99	6.8	11	10.0	1	8.2	3
High Yield Comp	65,556,334	4.1	3.0	48	3.0	48	12.2	62	11.2	51	10.8	53
Barclays High Yield			2.9	52	2.9	52	13.1	42	11.2	51	11.6	29
eA US High Yield Fixed Inc Gross Median			2.9		2.9		12.7		11.2		10.9	
Post Advisory	48,955,270	3.0	3.1	40	3.1	40	12.7	50	11.5	41	11.0	49
KDP	16,601,064	1.0	2.0	90	2.0	90	9.2	90	9.6	89		
Barclays High Yield	. ,		2.9	52	2.9	52	13.1	42	11.2	51	11.6	29
BofA Merrill Lynch US High Yield BB-B Rated			2.4	78	2.4	78	12.5	55	10.7	71	10.1	71

Wellington DAS Custom Benchmark tracked the BC Agg from 5/2002 through 2/2011, and the CG US Treasury STRIPS from 7/11 through present. The benchmark change coincided with the switch in collateral position.



## Total Fund Performance Detail

	Market Value (\$)	% of Portfolio	2013 Q1 (%)	Rank	YTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank
Global Fixed Income Comp	44,261,126	2.7	-3.9	94	-3.9	94	-2.0	98	5.3	67	5.4	47
Citigroup WGBI			-2.8	89	-2.8	89	-0.7	95	3.9	91	2.8	91
eA All Global Fixed Inc Gross Median			-0.3		-0.3		5.6		6.2		5.2	
Mondrian GFI	44,261,126	2.7	-3.9	94	-3.9	94	-2.0	98	3.8	91	4.2	69
Citigroup WGBI			-2.8	89	-2.8	89	-0.7	95	3.9	91	2.8	91
Emerging Market Debt	77,939,221	4.8										
Wellington Opportunistic EMD	77,939,221	4.8	-0.8	70	-0.8	70	12.3	27	11.6	15		
JP Morgan EMBI Global TR			-2.3	99	-2.3	99	10.4	59	10.6	40	9.8	53
eA All Emg Mkts Fixed Inc Gross Median			-0.1		-0.1		11.1		9.8		9.9	
TIPS	45,622,329	2.8										
BlackRock TIPS	45,622,329	2.8	-0.4		-0.4		5.7		8.6		-	
Barclays US TIPS			-0.4		-0.4		5.7		8.6		5.9	
Total Real Estate	81,725,214	5.1	2.3	99	2.3	99					-	
Morgan Stanley Prime Property	35,000,403	2.2	2.8		2.8		12.4		15.4		-0.8	
UBS Trumbull	31,977,212	2.0	1.7		1.7		8.7		13.3		1.0	
RREEF America REIT III	14,351,918	0.9	3.0		3.0		23.1		32.6		-14.5	
Transwestern / Aslan III	395,681	0.0	0.0		0.0		13.8		-3.3		-44.3	
NCREIF Property Index			2.6		2.6		10.5		13.3		2.3	-
NCREIF ODCE			2.7		2.7		10.8		15.1		-0.8	
Hedge Fund Comp	80,308,570	5.0	4.8	19	4.8	19	9.7	15			-	
eA HFN FOF - Multi-Strategy Net Median			3.4		3.4		5.7		2.8		1.5	
Grosvenor	31,798,775	2.0	4.7	20	4.7	20	9.0	21			-	
GAM	16,159,308	1.0	4.5	26	4.5	26	8.6	24				
Permal	32,350,488	2.0	5.0	15	5.0	15	10.9	6				
HFRI Fund of Funds Composite Index			3.3	51	3.3	51	4.7	59	2.1	63	-0.2	76

Wellington Opportunistic EMD was transitioned from Wellington EMD on October 3, 2011. Past performance has been linked to the current account.



## Total Fund Performance Detail

	Market Value (\$)	% of Portfolio	2013 Q1 (%)	Rank	YTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank
GAA Comp	328,866,350	20.3	3.0	40	3.0	40	11.5	7	10.9	11	7.1	21
eA Global TAA Gross Median			1.7		1.7		5.2		6.8		4.8	
Mellon Global Expanded Alpha	33,169,113	2.1	4.6	13	4.6	13	9.6	22	9.6	21	4.4	58
Mellon CF GEA Index			1.4	56	1.4	56	5.6	48	5.4	63	1.8	79
AQR Global Risk Premium	134,834,614	8.3	4.5	13	4.5	13	15.2	1	15.4	3	-	
60% MSCI World / 40% CITI WGBI			3.5	34	3.5	34	7.3	33	7.3	32	3.3	65
PIMCO All Asset	95,850,375	5.9	1.1	61	1.1	61	10.6	14	10.7	13	8.0	6
PIMCO All Asset Index			1.0	65	1.0	65	6.4	43	7.6	31	6.5	26
CPI + 5%			1.8	50	1.8	50	6.5	36	7.3	32	6.8	23
Wellington OIF	65,012,248	4.0	2.0	49	2.0	49	6.2	47	4.8	70	-	
65% MSCI ACWI (Net) / 35% BC Agg			4.2	17	4.2	17	8.4	29	7.4	32	3.8	62
Commodities	62,541,068	3.9										
Schroder	62,541,068	3.9	-2.1		-2.1		-4.8		3.5			
Dow Jones-UBS Commodity Index TR			-1.1		-1.1		-3.0		1.4		-7.1	
eA Commodities Gross Median												
Cash	285,547	0.0										
Vermont Cash	285,547	0.0	0.0		0.0		0.0		0.2		0.5	
91 Day T-Bills			0.0		0.0		0.1		0.1		0.2	
Private Equity	4,563,926	0.3	0.0		0.0				-			
Harbourvest Partners IX Credit Opportunities	284,042	0.0	0.0		0.0				-		-	
Harbourvest Partners IX Venture Fund	924,278	0.1	0.0		0.0							
Harbourvest Partners IX Buyout Fund	1,606,545	0.1	0.0		0.0		-	-	-	-	-	

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

Transwestern market value as of 12/31/2012.

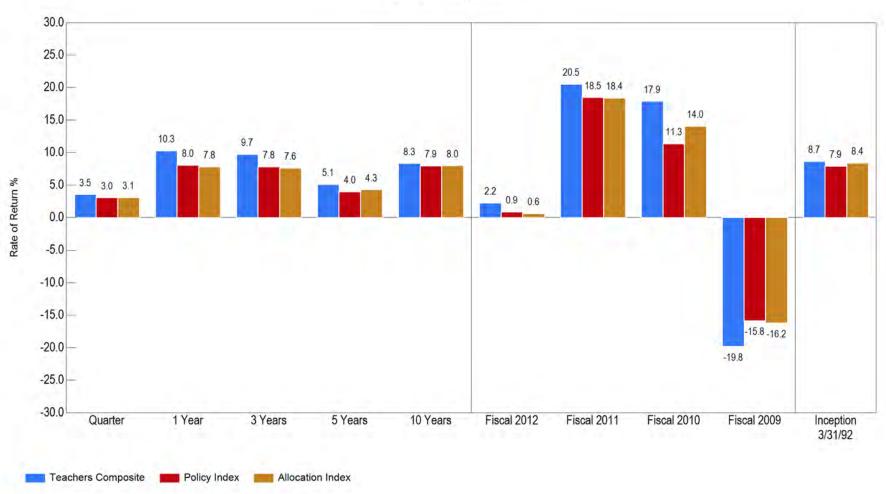
PIMCO All Asset Index: 40% BC Agg / 30% TIPS / 10% S&P500 / 10% BC HY / 10% JPM EMBI+  $\,$ 

Mellon CF GEA Index: 50% MSCI ACWI / 25% CITI WGBI H/H / 10% BC Global Inflation Linked H/H /5% BC US Interm. Credit / 5% DJ-UBS Commodity / 5% R2000.



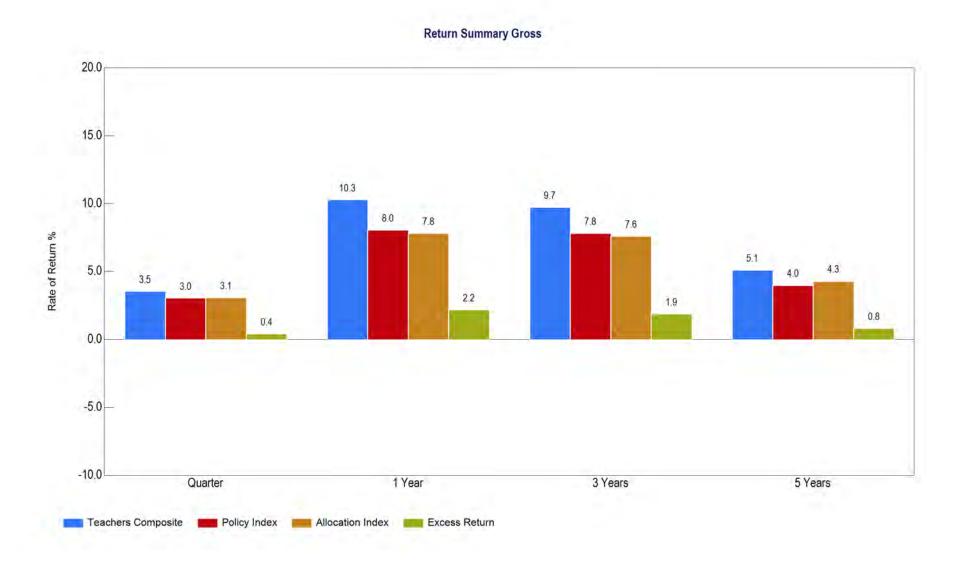
### Total Fund Return Summary





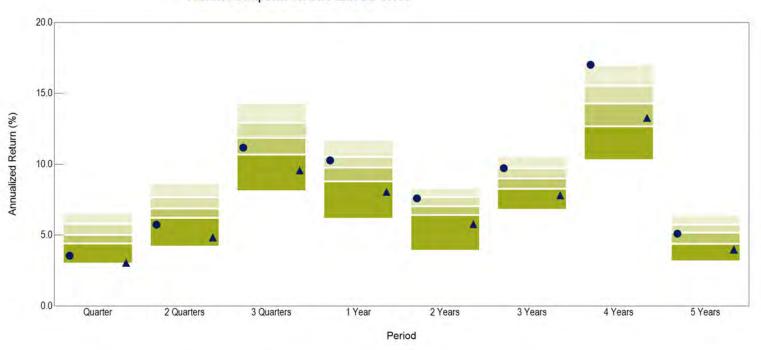


## Total Fund Return Summary





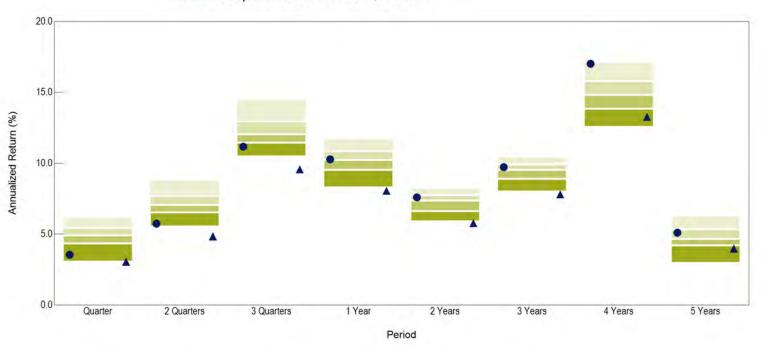
#### Teachers Composite vs. IFx Public DB Gross



	Return (Rank	)														
5th Percentile	6.6		8.7		14.3		11.7		8.3		10.6		17.0		6.4	
25th Percentile	5.8		7.7		12.9		10.5		7.7		9.7		15.5		5.8	
Median	5.0		6.9		11.9		9.8		7.0		9.0		14.3		5.2	
75th Percentile	4.4		6.2		10.7		8.8		6.4		8.3		12.7		4.4	
95th Percentile	3.0		4.2		8.1		6.2		3.9		6.8		10.3		3.1	
# of Portfolios	203		203		202		200		182		173		167		164	
Teachers Composite	3.5	(90)	5.7	(87)	11.2	(66)	10.3	(37)	7.6	(30)	9.7	(26)	17.0	(5)	5.1	(55)
Policy Index	3.0	(95)	4.8	(93)	9.6	(90)	8.0	(87)	5.8	(86)	7.8	(83)	13.3	(69)	4.0	(86)



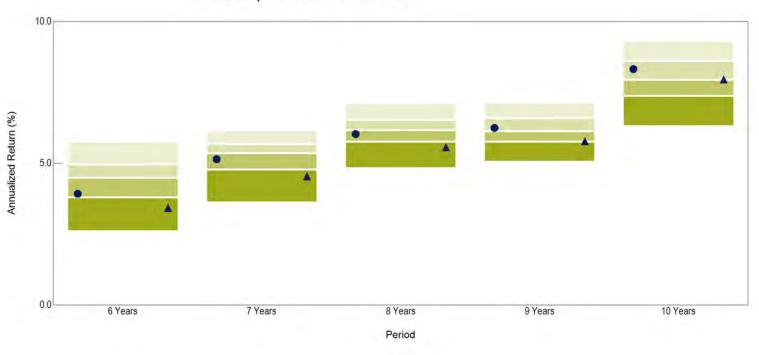
#### Teachers Composite vs. IFx Public DB > \$1B Gross



	Return (Rank	()														
5th Percentile	6.2		8.8		14.5		11.8		8.2		10.5		17.1		6.3	
25th Percentile	5.4		7.7		12.9		10.9		7.8		9.9		15.8		5.3	
Median	4.9		7.1		12.1		10.2		7.4		9.5		14.8		4.7	
75th Percentile	4.4		6.5		11.5		9.5		6.6		8.9		13.9		4.2	
95th Percentile	3.1		5.6		10.5		8.3		5.9		8.0		12.6		3.0	
# of Portfolios	61		61		61		60		57		57		57		57	
Teachers Composite	3.5	(89)	5.7	(94)	11.2	(84)	10.3	(49)	7.6	(33)	9.7	(37)	17.0	(8)	5.1	(38)
Policy Index	3.0	(96)	4.8	(98)	9.6	(98)	8.0	(97)	5.8	(97)	7.8	(96)	13.3	(87)	4.0	(82)



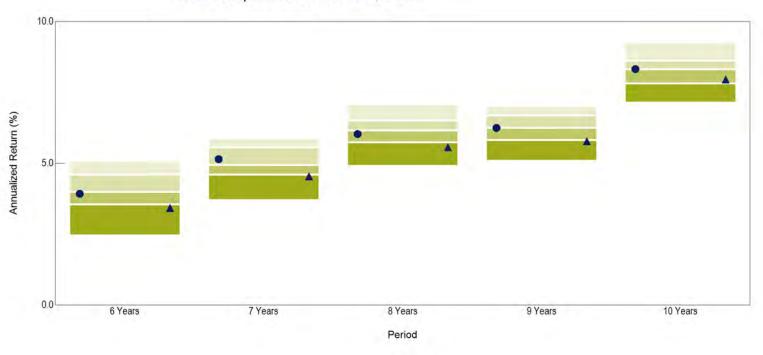
#### Teachers Composite vs. IFx Public DB Gross



	Return (Rank)									
5th Percentile	5.8		6.2		7.1		7.1		9.3	
25th Percentile	5.0		5.7		6.5		6.6		8.6	
Median	4.5		5.4		6.2		6.1		7.9	
75th Percentile	3.8		4.8		5.8		5.8		7.4	
95th Percentile	2.6		3.6		4.8		5.1		6.3	
# of Portfolios	157		152		138		134		131	
Teachers Composite	3.9	(72)	5.1	(59)	6.0	(58)	6.2	(45)	8.3	(39)
Policy Index	3.4	(87)	4.5	(85)	5.6	(86)	5.8	(75)	7.9	(50)



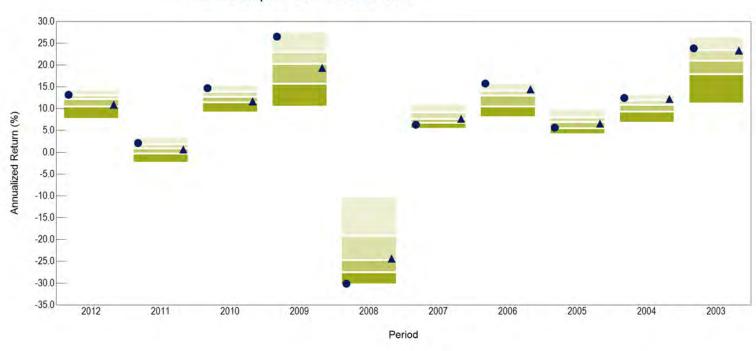
#### Teachers Composite vs. IFx Public DB > \$1B Gross



	Return (Rank)									
5th Percentile	5.1		5.9		7.1		7.0		9.3	
25th Percentile	4.6		5.6		6.5		6.7		8.6	
Median	4.0		4.9		6.2		6.3		8.3	
75th Percentile	3.5		4.6		5.7		5.8		7.8	
95th Percentile	2.5		3.7		4.9		5.1		7.1	
# of Portfolios	55		55		49		47		47	
Teachers Composite	3.9	(54)	5.1	(45)	6.0	(59)	6.2	(52)	8.3	(50)
Policy Index	3.4	(81)	4.5	(81)	5.6	(84)	5.8	(81)	7.9	(61)



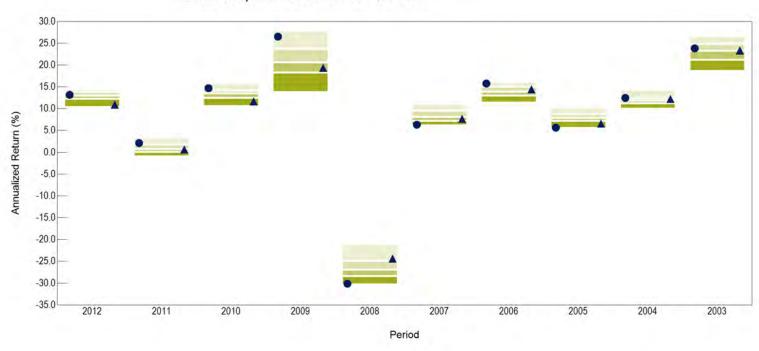
#### Teachers Composite vs. IFx Public DB Gross



	Return (Ra	ank)																		
5th Percentile	14.3		3.4		15.5		27.6		-10.2		11.1		15.8		9.9		13.2		26.5	
25th Percentile	13.1		1.9		13.9		23.0		-19.2		9.1		14.2		8.1		12.0		23.4	
Median	12.2		0.9		12.8		20.3		-24.7		7.7		13.0		6.9		10.9		21.0	
75th Percentile	10.5		-0.3		11.5		15.7		-27.4		6.8		10.5		5.5		9.4		17.9	
95th Percentile	7.7		-2.4		9.2		10.4		-30.2		5.4		8.0		4.2		6.8		11.2	
# of Portfolios	192		162		154		152		149		146		136		131		125		119	
Teachers Composite	13.2	(24)	2.1	(20)	14.7	(13)	26.5	(8)	-30.1	(94)	6.3	(83)	15.7	(6)	5.6	(73)	12.4	(14)	23.8	(21)
Policy Index	10.9	(71)	0.6	(62)	11.7	(72)	19.3	(55)	-24.3	(49)	7.6	(52)	14.4	(20)	6.6	(57)	12.2	(21)	23.3	(28)



#### Teachers Composite vs. IFx Public DB > \$1B Gross

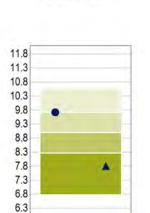


Return (R	ank)																		
14.4		3.3		15.7		27.8		-21.2		11.1		16.1		10.4		14.3		26.7	
13.8		1.8		14.2		23.7		-24.9		9.6		15.1		8.8		12.4		24.8	
13.0		0.8		13.5		20.7		-26.8		8.1		13.9		7.9		11.8		23.3	
12.3		0.1		12.5		18.3		-28.3		7.2		13.0		7.2		11.3		21.2	
10.4		-0.9		10.6		13.9		-30.2		6.2		11.4		5.6		10.0		18.6	
51		49		49		49		48		47		41		41		39		39	
13.2	(40)	2.1	(17)	14.7	(15)	26.5	(13)	-30.1	(94)	6.3	(92)	15.7	(13)	5.6	(96)	12.4	(22)	23.8	(37)
10.9	(93)	0.6	(52)	11.7	(88)	19.3	(59)	-24.3	(21)	7.6	(64)	14.4	(40)	6.6	(88)	12.2	(40)	23.3	(50)
	14.4 13.8 13.0 12.3 10.4 51	13.8 13.0 12.3 10.4 51 13.2 (40)	14.4 3.3 13.8 1.8 13.0 0.8 12.3 0.1 10.4 -0.9 51 49 13.2 (40) 2.1	14.4 3.3 13.8 1.8 13.0 0.8 12.3 0.1 10.4 -0.9 51 49 13.2 (40) 2.1 (17)	14.4 3.3 15.7 13.8 1.8 14.2 13.0 0.8 13.5 12.3 0.1 12.5 10.4 -0.9 10.6 51 49 49 13.2 (40) 2.1 (17) 14.7	14.4 3.3 15.7 13.8 1.8 14.2 13.0 0.8 13.5 12.3 0.1 12.5 10.4 -0.9 10.6 51 49 49 13.2 (40) 2.1 (17) 14.7 (15)	14.4     3.3     15.7     27.8       13.8     1.8     14.2     23.7       13.0     0.8     13.5     20.7       12.3     0.1     12.5     18.3       10.4     -0.9     10.6     13.9       51     49     49     49       13.2     (40)     2.1     (17)     14.7     (15)     26.5	14.4     3.3     15.7     27.8       13.8     1.8     14.2     23.7       13.0     0.8     13.5     20.7       12.3     0.1     12.5     18.3       10.4     -0.9     10.6     13.9       51     49     49     49       13.2     (40)     2.1     (17)     14.7     (15)     26.5     (13)	14.4     3.3     15.7     27.8     -21.2       13.8     1.8     14.2     23.7     -24.9       13.0     0.8     13.5     20.7     -26.8       12.3     0.1     12.5     18.3     -28.3       10.4     -0.9     10.6     13.9     -30.2       51     49     49     49     48       13.2     (40)     2.1     (17)     14.7     (15)     26.5     (13)     -30.1	14.4     3.3     15.7     27.8     -21.2       13.8     1.8     14.2     23.7     -24.9       13.0     0.8     13.5     20.7     -26.8       12.3     0.1     12.5     18.3     -28.3       10.4     -0.9     10.6     13.9     -30.2       51     49     49     49     48       13.2     (40)     2.1     (17)     14.7     (15)     26.5     (13)     -30.1     (94)	14.4     3.3     15.7     27.8     -21.2     11.1       13.8     1.8     14.2     23.7     -24.9     9.6       13.0     0.8     13.5     20.7     -26.8     8.1       12.3     0.1     12.5     18.3     -28.3     7.2       10.4     -0.9     10.6     13.9     -30.2     6.2       51     49     49     49     48     47       13.2     (40)     2.1     (17)     14.7     (15)     26.5     (13)     -30.1     (94)     6.3	14.4     3.3     15.7     27.8     -21.2     11.1       13.8     1.8     14.2     23.7     -24.9     9.6       13.0     0.8     13.5     20.7     -26.8     8.1       12.3     0.1     12.5     18.3     -28.3     7.2       10.4     -0.9     10.6     13.9     -30.2     6.2       51     49     49     49     48     47       13.2     (40)     2.1     (17)     14.7     (15)     26.5     (13)     -30.1     (94)     6.3     (92)	14.4     3.3     15.7     27.8     -21.2     11.1     16.1       13.8     1.8     14.2     23.7     -24.9     9.6     15.1       13.0     0.8     13.5     20.7     -26.8     8.1     13.9       12.3     0.1     12.5     18.3     -28.3     7.2     13.0       10.4     -0.9     10.6     13.9     -30.2     6.2     11.4       51     49     49     49     48     47     41       13.2     (40)     2.1     (17)     14.7     (15)     26.5     (13)     -30.1     (94)     6.3     (92)     15.7	14.4     3.3     15.7     27.8     -21.2     11.1     16.1       13.8     1.8     14.2     23.7     -24.9     9.6     15.1       13.0     0.8     13.5     20.7     -26.8     8.1     13.9       12.3     0.1     12.5     18.3     -28.3     7.2     13.0       10.4     -0.9     10.6     13.9     -30.2     6.2     11.4       51     49     49     48     47     41       13.2     (40)     2.1     (17)     14.7     (15)     26.5     (13)     -30.1     (94)     6.3     (92)     15.7     (13)	14.4     3.3     15.7     27.8     -21.2     11.1     16.1     10.4       13.8     1.8     14.2     23.7     -24.9     9.6     15.1     8.8       13.0     0.8     13.5     20.7     -26.8     8.1     13.9     7.9       12.3     0.1     12.5     18.3     -28.3     7.2     13.0     7.2       10.4     -0.9     10.6     13.9     -30.2     6.2     11.4     5.6       51     49     49     49     48     47     41     41       13.2     (40)     2.1     (17)     14.7     (15)     26.5     (13)     -30.1     (94)     6.3     (92)     15.7     (13)     5.6	14.4     3.3     15.7     27.8     -21.2     11.1     16.1     10.4       13.8     1.8     14.2     23.7     -24.9     9.6     15.1     8.8       13.0     0.8     13.5     20.7     -26.8     8.1     13.9     7.9       12.3     0.1     12.5     18.3     -28.3     7.2     13.0     7.2       10.4     -0.9     10.6     13.9     -30.2     6.2     11.4     5.6       51     49     49     48     47     41     41       13.2     (40)     2.1     (17)     14.7     (15)     26.5     (13)     -30.1     (94)     6.3     (92)     15.7     (13)     5.6     (96)	14.4     3.3     15.7     27.8     -21.2     11.1     16.1     10.4     14.3       13.8     1.8     14.2     23.7     -24.9     9.6     15.1     8.8     12.4       13.0     0.8     13.5     20.7     -26.8     8.1     13.9     7.9     11.8       12.3     0.1     12.5     18.3     -28.3     7.2     13.0     7.2     11.3       10.4     -0.9     10.6     13.9     -30.2     6.2     11.4     5.6     10.0       51     49     49     49     48     47     41     41     39       13.2     (40)     2.1     (17)     14.7     (15)     26.5     (13)     -30.1     (94)     6.3     (92)     15.7     (13)     5.6     (96)     12.4	14.4     3.3     15.7     27.8     -21.2     11.1     16.1     10.4     14.3       13.8     1.8     14.2     23.7     -24.9     9.6     15.1     8.8     12.4       13.0     0.8     13.5     20.7     -26.8     8.1     13.9     7.9     11.8       12.3     0.1     12.5     18.3     -28.3     7.2     13.0     7.2     11.3       10.4     -0.9     10.6     13.9     -30.2     6.2     11.4     5.6     10.0       51     49     49     49     48     47     41     41     39       13.2     (40)     2.1     (17)     14.7     (15)     26.5     (13)     -30.1     (94)     6.3     (92)     15.7     (13)     5.6     (96)     12.4     (22)	14.4     3.3     15.7     27.8     -21.2     11.1     16.1     10.4     14.3     26.7       13.8     1.8     14.2     23.7     -24.9     9.6     15.1     8.8     12.4     24.8       13.0     0.8     13.5     20.7     -26.8     8.1     13.9     7.9     11.8     23.3       12.3     0.1     12.5     18.3     -28.3     7.2     13.0     7.2     11.3     21.2       10.4     -0.9     10.6     13.9     -30.2     6.2     11.4     5.6     10.0     18.6       51     49     49     48     47     41     41     39     39       13.2     (40)     2.1     (17)     14.7     (15)     26.5     (13)     -30.1     (94)     6.3     (92)     15.7     (13)     5.6     (96)     12.4     (22)     23.8

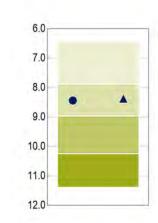


# Teachers Composite vs. IFx Public DB Gross 3 Years

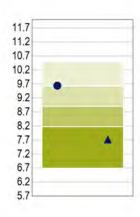
Ann Excess RF Return

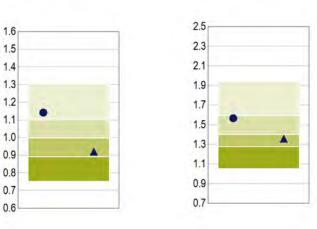


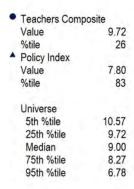
Anizd Return



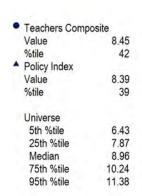
**Anizd Standard Deviation** 







5.8



Value	9.64
%tile	26
Policy Index	
Value	7.72
%tile	83
Universe	
5th %tile	10.48
25th %tile	9.64
Median	8.92
75th %tile	8.19
95th %tile	6.70

Value	1.14
%tile	18
Policy Index	
Value	0.92
%tile	70
Universe	
5th %tile	1.31
25th %tile	1.10
Median	1.00
75th %tile	0.89
95th %tile	0.75

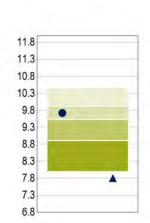
Sharpe Ratio

<ul> <li>Teachers Comp</li> </ul>	osite
Value	1.57
%tile	30
Policy Index	
Value	1.36
%tile	62
Universe	
5th %tile	1.94
25th %tile	1.60
Median	1.40
75th %tile	1.28
95th %tile	1.05

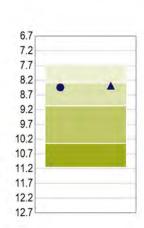
Sortino Ratio RF

# Teachers Composite vs. IFx Public DB > \$1B Gross 3 Years

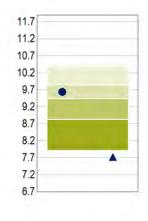
Ann Excess RF Return

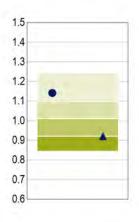


Anizd Return

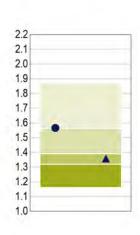


**Anizd Standard Deviation** 



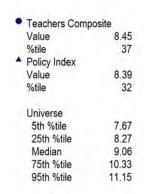


Sharpe Ratio



Sortino Ratio RF

<ul> <li>Teachers Comp</li> </ul>	osite
Value	9.72
%tile	37
Policy Index	
Value	7.80
%tile	96
Universe	
5th %tile	10.47
25th %tile	9.93
Median	9.53
75th %tile	8.91
95th %tile	8.00



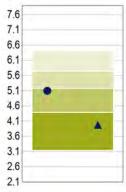
Value	9.64
%tile	37
Policy Index	
Value	7.72
%tile	96
Universe	
5th %tile	10.39
25th %tile	9.85
Median	9.45
75th %tile	8.83
95th %tile	7.92

<ul> <li>Teachers Comp</li> </ul>	posite
Value	1.14
%tile	17
Policy Index	
Value	0.92
%tile	78
Universe	
5th %tile	1.24
25th %tile	1.10
Median	1.01
75th %tile	0.92
95th %tile	0.85

<ul> <li>Teachers Comp</li> </ul>	osite
Value	1.57
%tile	25
Policy Index	
Value	1.36
%tile	62
Universe	
5th %tile	1.87
25th %tile	1.56
Median	1.39
75th %tile	1.32
95th %tile	1.16

# Teachers Composite vs. IFx Public DB Gross 5 Years

#### Anizd Return

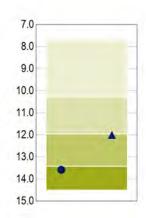




4.40

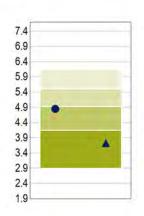
3.15

#### **Anizd Standard Deviation**



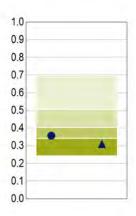
<ul> <li>Teachers Co</li> </ul>	mposite
Value	13.59
%tile	81
Policy Index	
Value	12.01
%tile	52
Universe	
5th %tile	7.69
25th %tile	10.27
Median	11.95
75th %tile	13.41
95th %tile	14.50

#### Ann Excess RF Return



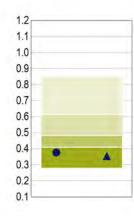
<ul> <li>Teachers Comp</li> </ul>	osite
Value	4.85
%tile	55
Policy Index	
Value	3.72
%tile	86
Universe	
5th %tile	6.16
25th %tile	5.51
Median	4.93
75th %tile	4.15
95th %tile	2.90

#### Sharpe Ratio





#### Sortino Ratio RF



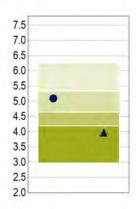
<ul> <li>Teachers Comp</li> </ul>	osite
Value	0.38
%tile	81
Policy Index	
Value	0.35
%tile	87
Universe	
5th %tile	0.85
25th %tile	0.62
Median	0.49
75th %tile	0.41
95th %tile	0.28

75th %tile

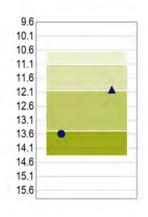
95th %tile

#### Teachers Composite vs. IFx Public DB > \$1B Gross 5 Years

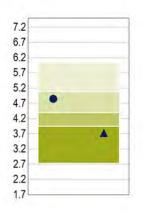
#### Anizd Return



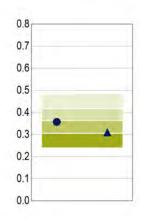
#### **Anizd Standard Deviation**



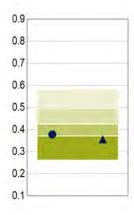
#### Ann Excess RF Return



#### Sharpe Ratio



#### Sortino Ratio RF



<ul> <li>Teachers Compo</li> </ul>	site
Value	5.10
%tile	38
Policy Index	

2.99

Value	3.97
%tile	82
Universe	
5th %tile	6.28
25th %tile	5.35
Median	4.66
75th %tile	4.21

95th %tile

<ul> <li>Teachers Con</li> </ul>	nposite
Value	13.59

	84
y Index	
9	12.01
	47
erse	
%tile	10.64
%tile	11.10
dian	12.04
1 %tile	13.48
	y Index e erse %tile n %tile dian n %tile

14.36

95th %tile

•	<b>Teachers Composite</b>	
	Value	

%tile	38
Policy Index	
Value	3.72
%tile	82
Universe	
5th %tile	6.03
25th %tile	5.10
Median	4.41
75th %tile	3.96

95th %tile

2.74

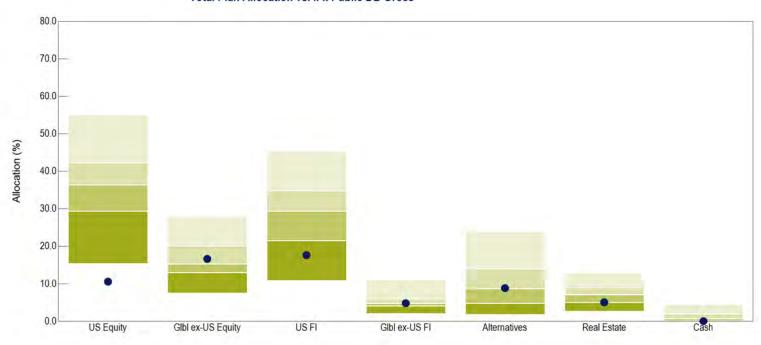
Value	0.36
%tile	60
Policy Index	
Value	0.31
%tile	74
Universe	
5th %tile	0.49
25th %tile	0.42
Median	0.37
75th %tile	0.31
95th %tile	0.24

•	Teachers	Composite	
	Value		

Value	0.38
%tile	68
Policy Index	
Value	0.35
%tile	80
Universe	
5th %tile	0.58
25th %tile	0.50
Median	0.43
75th %tile	0.37
95th %tile	0.26

## Total Fund Allocations vs. Peer Universe

#### Total Plan Allocation vs. IFx Public DB Gross



5th Percentile 25th Percentile Median 75th Percentile 95th Percentile # of Portfolios

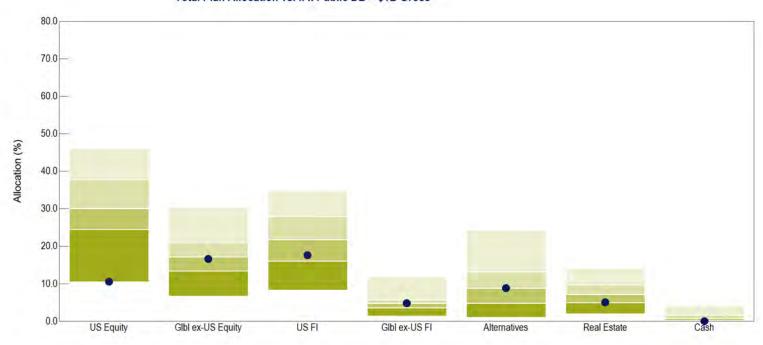
Teachers Composite

ocation (Rank	()												
55.1		27.9		45.3		11.2		23.9		12.9		4.5	
42.3		20.2		34.9		6.0		14.0		9.0		2.0	
36.4		15.4		29.4		4.8		8.8		7.1		0.8	
29.5		13.1		21.6		4.2		4.8		5.1		0.2	
15.5		7.6		10.9		2.1		1.9		2.7		0.0	
120		112		96		15		60		74		81	
10.6	(99)	16.6	(42)	17.6	(85)	4.8	(58)	8.8	(50)	5.1	(76)	0.0	(97)



## Total Fund Allocations vs. Peer Universe

#### Total Plan Allocation vs. IFx Public DB > \$1B Gross



5th Percentile	
25th Percentile	
Median	
75th Percentile	
95th Percentile	
# of Portfolios	

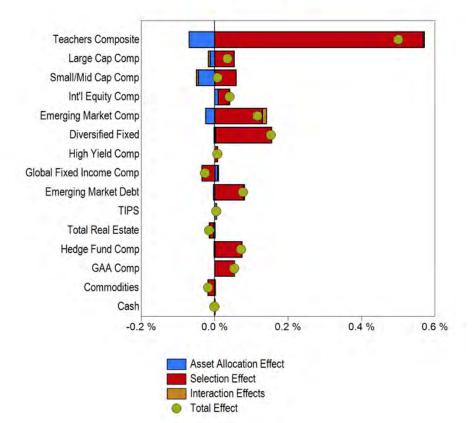
Teachers Composite

location (Rank	()												
46.1		30.3		34.8		11.9		24.4		14.2		4.1	
37.8		20.9		28.0		5.8		13.2		9.8		1.8	
30.1		17.2		21.8		4.8		8.8		7.3		0.8	
24.6		13.5		16.1		3.6 4.8		4.8	5.0			0.3	
10.6		6.8		8.3		1.4		1.1		2.0		0.0	
41		41		31		9		37		33		30	
10.6	(96)	16.6	(61)	17.6	(67)	4.8	(51)	8.8	(51)	5.1	(75)	0.0	(97)



### Total Fund Attribution Analysis

Attribution Effects Relative to Policy Index 3 Months Ending March 31, 2013

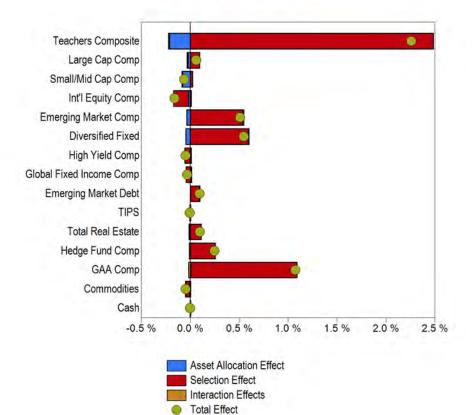


# Attribution Summary 3 Months Ending March 31, 2013

	Actual Return	Target Return	Relative Return	Selection Effect	Asset Allocation Effect	Interaction Effects	Total Effects
Large Cap Comp	11.1%	10.6%	0.5%	0.1%	0.0%	0.0%	0.0%
Small/Mid Cap Comp	13.3%	12.4%	1.0%	0.1%	0.0%	0.0%	0.0%
Int'l Equity Comp	5.4%	5.1%	0.3%	0.0%	0.0%	0.0%	0.0%
<b>Emerging Market Comp</b>	0.5%	-1.6%	2.1%	0.1%	0.0%	0.0%	0.1%
Diversified Fixed	0.7%	-0.1%	0.8%	0.2%	0.0%	0.0%	0.2%
High Yield Comp	3.0%	2.9%	0.1%	0.0%	0.0%	0.0%	0.0%
Global Fixed Income Comp	-3.9%	-2.8%	-1.1%	0.0%	0.0%	0.0%	0.0%
Emerging Market Debt	-0.8%	-2.3%	1.5%	0.1%	0.0%	0.0%	0.1%
TIPS	-0.4%	-0.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Real Estate	2.3%	2.6%	-0.2%	0.0%	0.0%	0.0%	0.0%
Hedge Fund Comp	4.8%	3.3%	1.5%	0.1%	0.0%	0.0%	0.1%
GAA Comp	3.0%	2.7%	0.3%	0.1%	0.0%	0.0%	0.1%
Commodities	-2.0%	-1.1%	-0.9%	0.0%	0.0%	0.0%	0.0%
Cash	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	3.6%	3.0%	0.5%	0.6%	-0.1%	0.0%	0.5%

### Total Fund Attribution Analysis

Attribution Effects Relative to Policy Index 1 Year Ending March 31, 2013



#### Attribution Summary 1 Year Ending March 31, 2013

	Actual Return	Target Return	Relative Return	Selection Effect	Asset Allocation Effect	Interaction Effects	Total Effects
Large Cap Comp	14.8%	14.0%	0.8%	0.1%	0.0%	0.0%	0.1%
Small/Mid Cap Comp	16.6%	16.3%	0.3%	0.0%	-0.1%	0.0%	-0.1%
Int'l Equity Comp	9.8%	11.3%	-1.4%	-0.1%	0.0%	0.0%	-0.2%
Emerging Market Comp	10.6%	2.0%	8.6%	0.5%	0.0%	0.0%	0.5%
Diversified Fixed	6.9%	3.8%	3.1%	0.6%	0.0%	0.0%	0.5%
High Yield Comp	12.2%	13.1%	-0.9%	-0.1%	0.0%	0.0%	0.0%
Global Fixed Income Comp	-2.0%	-0.7%	-1.3%	0.0%	0.0%	0.0%	0.0%
Emerging Market Debt	12.3%	10.4%	1.9%	0.1%	0.0%	0.0%	0.1%
TIPS	5.7%	5.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Real Estate	12.7%	10.5%	2.2%	0.1%	0.0%	0.0%	0.1%
Hedge Fund Comp	9.7%	4.7%	4.9%	0.3%	0.0%	0.0%	0.2%
GAA Comp	11.5%	6.1%	5.4%	1.1%	0.0%	0.0%	1.1%
Commodities	-4.7%	-3.0%	-1.7%	0.0%	0.0%	0.0%	0.0%
Cash	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	10.2%	7.9%	2.3%	2.5%	-0.2%	0.0%	2.3%

## Total Fund Attribution Analysis

#### **Performance Attribution**

	Last 3 Mo.	YTD	Fiscal YTD	1 Yr
Teachers Composite Return	3.6%	3.6%	11.1%	10.2%
Policy Benchmark *	3.0%	3.0%	9.7%	7.9%
Excess Return	0.5%	0.5%	1.4%	2.3%
Selection Effect	0.6%	0.6%	1.5%	2.5%
Asset Allocation Effect	-0.1%	-0.1%	-0.1%	-0.2%
Interaction Effect	0.0%	0.0%	0.0%	0.0%
Asset Class Returns				
Teachers Composite	3.5%	3.5%	11.2%	10.3%
Large Cap Comp	11.1%	11.1%	18.8%	14.8%
Small/Mid Cap Comp	13.3%	13.3%	20.7%	16.6%
Int'l Equity Comp	5.4%	5.4%	17.8%	9.8%
Emerging Market Comp	0.5%	0.5%	15.6%	10.6%
Diversified Fixed	0.7%	0.7%	3.1%	6.9%
High Yield Comp	3.0%	3.0%	10.6%	12.2%
Global Fixed Income Comp	-3.9%	-3.9%	-3.6%	-2.0%
Emerging Market Debt	-0.8%	-0.8%	10.0%	12.3%
TIPS	-0.4%	-0.4%	2.4%	5.7%
Total Real Estate	2.3%	2.3%	8.8%	12.7%
Hedge Fund Comp	4.8%	4.8%	10.9%	9.7%
GAA Comp	3.0%	3.0%	12.8%	11.5%
Commodities	-2.0%	-2.0%	1.8%	-4.7%
Cash	0.0%	0.0%	0.0%	0.0%
Private Equity	0.0%	0.0%		



## Total Fund Risk Statistics

#### 3 Years Ending March 31, 2013

	5 Tears Enturing March 51, 2015												
	% of Tot	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Anlzd AJ	Rank	Sharpe Ratio	Rank	Sortino Ratio RF	Rank	Tracking Error	Rank
Teachers Composite	100.00%	9.72%	26	8.45%	42	1.89%	18	1.14	18	1.57	30	0.73%	2
Policy Index	-	7.80%	83	8.39%	39	0.00%	72	0.92	70	1.36	62	0.00%	1
Large Cap Comp	10.56%	12.97%	35	15.90%	55	-0.43%	44	0.81	42	1.29	40	1.25%	1
S&P 500		12.67%	40	15.01%	32	0.00%	37	0.84	36	1.35	32	0.00%	1
Small/Mid Cap Comp	6.27%	15.44%	35	17.80%	33	3.58%	36	0.86	35	1.43	29	3.07%	2
Russell 2000		13.45%	70	20.10%	77	0.00%	80	0.67	76	1.08	68	0.00%	1
Int'l Equity Comp	10.21%	5.87%	70	17.83%	22	1.27%	64	0.32	64	0.45	65	2.30%	9
MSCI EAFE		5.00%	82	19.35%	58	0.00%	83	0.25	83	0.37	82	0.00%	1
Emerging Market Comp	6.41%												
MSCI Emerging Markets											-		
Diversified Fixed	17.62%	7.48%	35	2.90%	64	2.31%	33	2.56	39	6.74	22	1.81%	44
Barclays Aggregate		5.52%	62	2.42%	51	0.00%	86	2.25	60	4.32	56	0.00%	1
High Yield Comp	4.05%	11.22%	51	5.82%	26	2.04%	25	1.91	26	2.90	27	1.58%	57
Barclays High Yield		11.24%	51	7.05%	67	0.00%	75	1.58	72	2.29	68	0.00%	1
Global Fixed Income Comp	2.74%	5.27%	67	6.27%	63	1.26%	78	0.83	75	1.46	52	2.26%	19
Citigroup WGBI		3.86%	91	5.63%	46	0.00%	92	0.67	85	0.97	81	0.00%	1
Emerging Market Debt	4.82%												
JP Morgan EMBI Global TR													
TIPS	2.82%												
Barclays US TIPS													
Total Real Estate	5.05%												
NCREIF Property Index													
Hedge Fund Comp	4.96%												
HFRI Fund of Funds Composite Index	-										-		
GAA Comp	20.33%	10.85%	11	8.83%	38	5.94%	12	1.22	14	1.71	15	3.90%	24
60% MSCI ACWI (Net)/40% CITI WGBI	-	6.51%	54	11.18%	62	0.00%	70	0.57	63	0.82	65	0.00%	1
Commodities	3.87%												
Dow Jones-UBS Commodity Index TR	-	-	-				-						
Cash	0.02%												
91 Day T-Bills	-								-		-		



### **Vermont State Teachers**

# Total Fund Risk Statistics

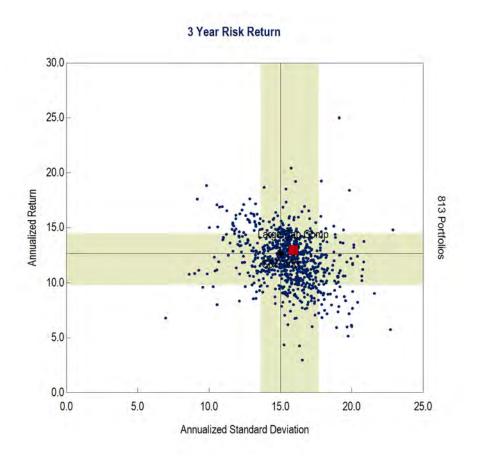
5 Years Ending March 31, 2013													
	% of Tot	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Anlzd AJ	Rank	Sharpe Ratio	Rank	Sortino Ratio RF	Rank	Tracking Error	Rank
Teachers Composite	100.00%	5.10%	55	13.59%	81	0.67%	71	0.36	71	0.38	81	2.36%	20
Policy Index		3.97%	86	12.01%	52	0.00%	85	0.31	83	0.35	87	0.00%	1
Large Cap Comp	10.56%	7.32%	30	20.94%	84	0.95%	43	0.34	43	0.43	46	2.82%	10
S&P 500		5.81%	60	18.92%	45	0.00%	60	0.29	57	0.39	57	0.00%	1
Small/Mid Cap Comp	6.27%	10.34%	41	22.98%	54	2.62%	42	0.44	42	0.60	42	2.99%	1
Russell 2000	-	8.24%	71	24.42%	74	0.00%	78	0.33	75	0.46	70	0.00%	1
Int'l Equity Comp	10.21%	-0.96%	86	21.63%	18	-0.16%	86	-0.06	86	-0.07	86	2.44%	7
MSCI EAFE		-0.89%	85	23.21%	48	0.00%	84	-0.05	84	-0.07	85	0.00%	1
Emerging Market Comp	6.41%												
MSCI Emerging Markets													
Diversified Fixed	17.62%	6.34%	45	6.59%	74	-0.50%	90	0.92	84	0.81	90	4.95%	73
Barclays Aggregate		5.47%	65	3.53%	44	0.00%	85	1.48	51	2.39	34	0.00%	1
High Yield Comp	4.05%	10.84%	53	10.12%	19	2.67%	19	1.05	15	0.82	56	5.13%	70
Barclays High Yield	-	11.65%	29	13.98%	89	0.00%	84	0.82	75	0.77	68	0.00%	1
Global Fixed Income Comp	2.74%	5.41%	47	8.32%	60	2.73%	54	0.62	53	0.98	35	4.16%	33
Citigroup WGBI	-	2.77%	91	7.48%	39	0.00%	92	0.34	88	0.51	81	0.00%	1
Emerging Market Debt	4.82%												
JP Morgan EMBI Global TR													
TIPS	2.82%												
Barclays US TIPS													
Total Real Estate	5.05%												
NCREIF Property Index													
Hedge Fund Comp	4.96%												
HFRI Fund of Funds Composite Index													
GAA Comp	20.33%	7.07%	21	13.62%	52	4.43%	30	0.50	35	0.52	42	3.98%	15
60% MSCI ACWI (Net)/40% CITI WGBI	-	2.85%	77	14.17%	59	0.00%	72	0.18	71	0.24	71	0.00%	1
Commodities	3.87%												
Dow Jones-UBS Commodity Index TR	-				-						-		
Cash	0.02%												
91 Day T-Bills	-	-			-	=	-	-		-		=	



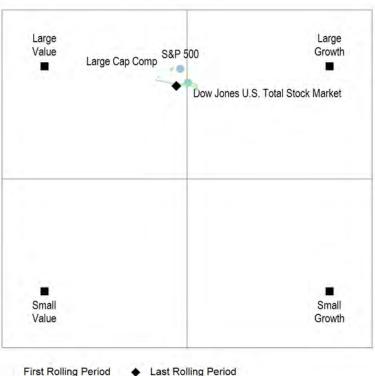
@Uf[Y'7Ud'8ca Ygh]W9ei]hm

	% of Tot	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Anlzd AJ	Rank	Sharpe Ratio	Rank	Sortino Ratio RF	Rank	Tracking Error	Rank
Large Cap Comp	10.56%	12.97%	35	15.90%	55	-0.43%	44	0.81	42	1.29	40	1.25%	1
S&P 500		12.67%	40	15.01%	32	0.00%	37	0.84	36	1.35	32	0.00%	1
T. Rowe	3.21%	12.38%	46	15.33%	40	-0.54%	47	0.80	44	1.26	43	0.94%	1
S&P 500		12.67%	40	15.01%	32	0.00%	37	0.84	36	1.35	32	0.00%	1
SSgA S&P 500 Cap-Wgt	4.36%												
S&P 500													
SSgA S&P 500 Equal-Wgt	2.99%	14.11%	18	17.10%	81	-0.26%	43	0.82	40	1.32	37	0.31%	1
S&P 500 Equal Weighted		14.25%	16	16.95%	78	0.00%	38	0.84	36	1.32	37	0.00%	1

	% of Tot	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Anlzd AJ	Rank	Sharpe Ratio	Rank	Sortino Ratio RF	Rank	Tracking Error	Rank
Large Cap Comp	10.56%	7.32%	30	20.94%	84	0.95%	43	0.34	43	0.43	46	2.82%	10
S&P 500		5.81%	60	18.92%	45	0.00%	60	0.29	57	0.39	57	0.00%	1
T. Rowe	3.21%	6.50%	45	19.01%	48	0.68%	48	0.33	46	0.44	43	1.15%	1
S&P 500		5.81%	60	18.92%	45	0.00%	60	0.29	57	0.39	57	0.00%	1
SSgA S&P 500 Cap-Wgt	4.36%												
S&P 500													
SSgA S&P 500 Equal-Wgt	2.99%	8.92%	10	23.38%	96	-0.46%	38	0.37	32	0.49	32	1.08%	1
S&P 500 Equal Weighted		9.24%	9	23.00%	95	0.00%	30	0.39	26	0.52	26	0.00%	1



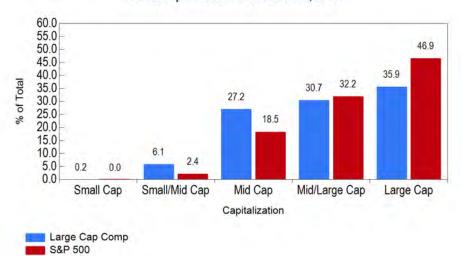
### 3 Year Style Analysis



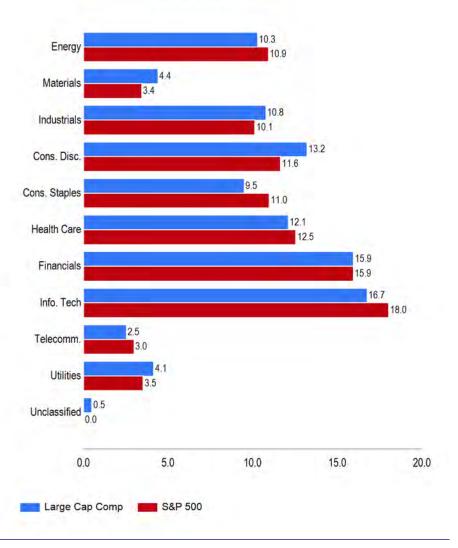
#### **Equity Characteristics**

	Portfolio	S&P 500
Number of Holdings	527	500
Weighted Avg. Market Cap. (\$B)	82.1	102.9
Median Market Cap. (\$B)	14.9	14.0
Price To Earnings	19.8	18.6
Price To Book	3.6	3.4
Price To Sales	2.3	2.1
Return on Equity (%)	20.0	18.4
Yield (%)	2.0	2.1
Beta	1.1	1.0
R-Squared	1.0	1.0

#### Market Capitalization As Of March 31, 2013









### **Top Positive Contributors**

### **Top Negative Contributors**

Top Ten Holdings									
APPLE	2.3%								
EXXON MOBIL	2.2%								
MICROSOFT	1.3%								
GENERAL ELECTRIC	1.3%								
CHEVRON	1.3%								
PROCTER & GAMBLE	1.2%								
GOOGLE 'A'	1.2%								
JP MORGAN CHASE & CO.	1.2%								
PFIZER	1.2%								
JOHNSON & JOHNSON	1.2%								

	Relative	
	Contribution %	Return %
APPLE	0.2%	-16.3%
DELL	0.1%	42.1%
BEST BUY	0.0%	88.3%
AVON PRODUCTS	0.0%	44.8%
MICRON TECHNOLOGY	0.0%	57.3%
NETFLIX	0.0%	104.4%
XL GROUP	0.0%	21.5%
ABBVIE	0.0%	20.9%
AES	0.0%	17.9%
ALLSTATE	0.0%	22.8%

	Relative	
	Contribution %	Return %
BERKSHIRE HATHAWAY 'B'	-0.1%	16.2%
JOHNSON & JOHNSON	-0.1%	17.2%
PHILIP MORRIS INTL.	-0.1%	11.9%
INTERNATIONAL BUS.MCHS.	-0.1%	11.8%
GENERAL ELECTRIC	-0.1%	11.0%
PFIZER	-0.1%	16.1%
BRISTOL MYERS SQUIBB	-0.1%	27.7%
VERIZON COMMUNICATIONS	-0.1%	14.9%
ABBOTT LABORATORIES	0.0%	13.2%
CHEVRON	0.0%	10.7%

### **Equity Sector Attribution**

			Attribution Effects		F	Returns	Sector Weights		
	Total	Selection	Allocation	Interaction					
	Effects	Effect	Effect	Effects	Portfolio	Benchmark	Portfolio	Benchmark	
Energy	0.1%	0.1%	0.0%	0.0%	11.3%	10.2%	10.2%	11.0%	
Materials	-0.1%	0.0%	-0.1%	0.0%	4.9%	4.8%	4.6%	3.6%	
Industrials	0.1%	0.1%	0.0%	0.0%	11.3%	10.7%	10.8%	10.1%	
Cons. Disc.	0.0%	0.0%	0.0%	0.0%	12.2%	12.3%	13.2%	11.4%	
Cons. Staples	0.1%	0.1%	-0.1%	0.0%	15.8%	14.6%	9.2%	10.6%	
Health Care	-0.1%	-0.1%	0.0%	0.0%	15.0%	15.6%	11.4%	12.0%	
Financials	0.1%	0.1%	0.0%	0.0%	12.2%	11.4%	15.9%	15.7%	
Info. Tech	0.3%	0.2%	0.1%	0.0%	6.0%	4.7%	17.3%	19.0%	
Telecomm.	0.0%	0.0%	0.0%	0.0%	8.4%	9.5%	2.5%	3.1%	
Utilities	0.0%	0.0%	0.0%	0.0%	13.0%	13.0%	4.1%	3.4%	
Cash	-0.1%	0.0%	-0.1%	0.0%	0.0%		0.7%	0.0%	
Portfolio	0.5%	= 0.6%	+ -0.1%	+ 0.0%	11.1%	10.6%	100.0%	100.0%	

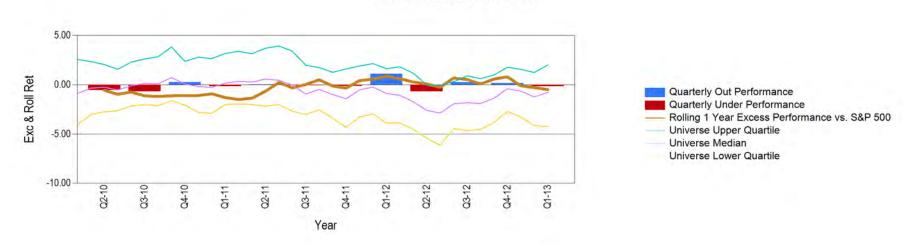


### T. Rowe

T. Rowe Price employs a fundamental, bottom-up approach to investing in equity assets. The strategy delivers a research portfolio managed by the firm's industry analysts and representing their best ideas. The Structured Research Strategy seeks to provide superior long-term returns and capture the style of the S&P 500 Stock Index by combining analyst-driven research and security selection with the benefits of disciplined portfolio construction. T. Rowe Price's approach results in an industry and sector neutral portfolio that aims to consistently and reliably provide alpha through bottom-up, fundamental research and stock selection, consistent excess returns, index like return volatility, low tracking error (below 175bps), and a high information ratio.



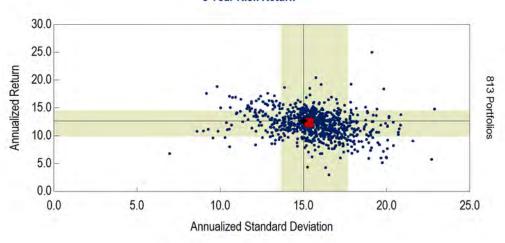
#### Annualized Excess Performance





### T. Rowe



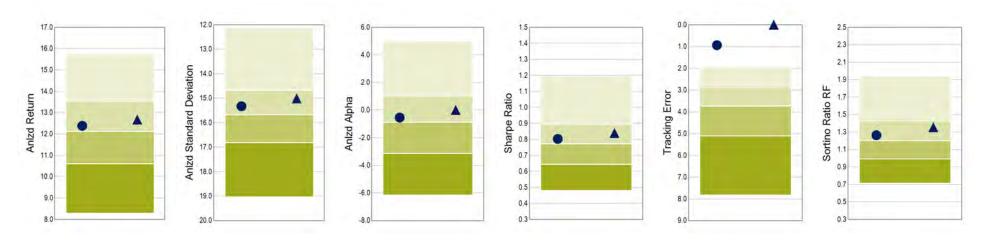


- T. Rowe
- S&P 500
- 68% Confidence Interval
- eA US Large Cap Equity Gross

### **Characteristics**

	Portfolio	S&P 500
Number of Holdings	256	500
Weighted Avg. Market Cap. (\$B)	104.3	102.9
Median Market Cap. (\$B)	20.5	14.0
Price To Earnings	20.2	18.6
Price To Book	3.7	3.4
Price To Sales	2.4	2.1
Return on Equity (%)	21.0	18.4
Yield (%)	2.0	2.1
Beta	1.0	1.0
R-Squared	1.0	1.0

### **3 Year Risk Statistics**





### 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.

#### **Characteristics**

	Portfolio	S&P 500
Number of Holdings	503	500
Weighted Avg. Market Cap. (\$B)	103.0	102.9
Median Market Cap. (\$B)	13.8	14.0
Price To Earnings	19.6	18.6
Price To Book	3.6	3.4
Price To Sales	2.4	2.1
Return on Equity (%)	21.3	18.4
Yield (%)	2.1	2.1
Beta		1.0
R-Squared		1.0

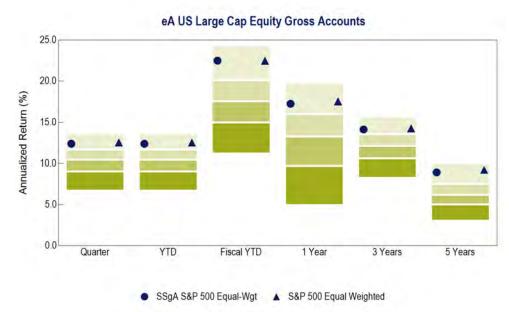
### eA US Large Cap Equity Gross Accounts



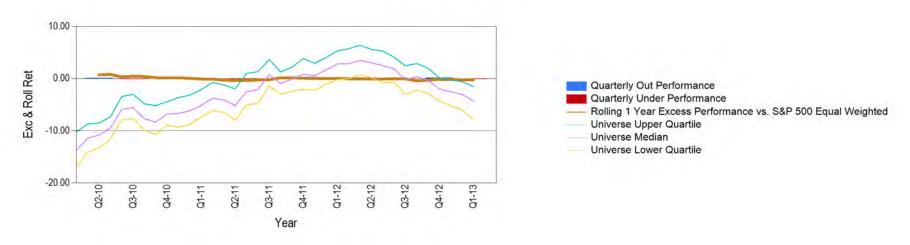


### SSgA S&P 500 Equal-Wgt

The Strategy is managed using a "passive" or "indexing" investment approach, by which SSgA attempts to match, before expenses, the performance of the Index. SSqA 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.



#### **Annualized Excess Performance**





### SSgA S&P 500 Equal-Wgt

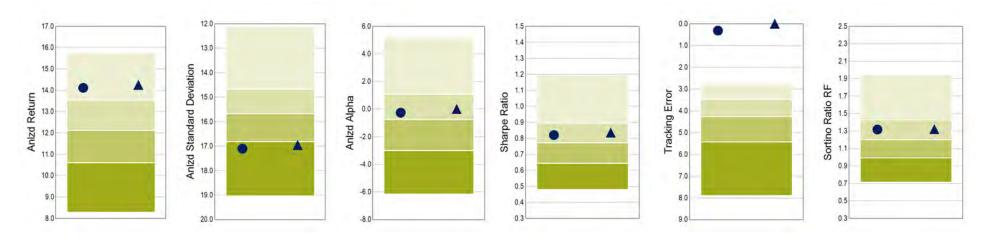


· eA US Large Cap Equity Gross

#### **Characteristics**

Portfolio	S&P 500
495	500
28.4	102.9
13.5	14.0
19.8	18.6
3.3	3.4
2.1	2.1
16.9	18.4
1.9	2.1
1.1	1.0
1.0	1.0
	495 28.4 13.5 19.8 3.3 2.1 16.9 1.9

### **3 Year Risk Statistics**



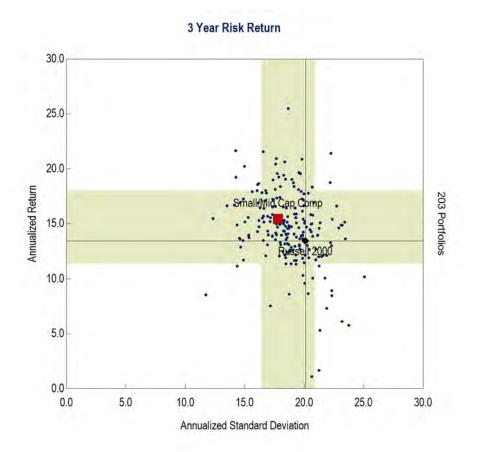


# Ga U``'7Ud'8ca Ygh]W9ei ]hm

	% of Tot	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Anlzd AJ	Rank	Sharpe Ratio	Rank	Sortino Ratio RF	Rank	Tracking Error	Rank
Small/Mid Cap Comp	6.27%	15.44%	35	17.80%	33	3.58%	36	0.86	35	1.43	29	3.07%	2
Russell 2000		13.45%	70	20.10%	77	0.00%	80	0.67	76	1.08	68	0.00%	1
SSgA S&P 400	0.61%	16.43%	17	18.16%	60	1.26%	33	0.90	33	1.28	50	2.30%	2
S&P 400 MidCap		15.12%	37	17.95%	57	0.00%	48	0.84	46	1.26	51	0.00%	1
Champlain	2.18%	15.77%	25	15.25%	14	4.36%	14	1.03	13	1.84	10	5.59%	76
Russell 2500		14.59%	44	18.93%	74	0.00%	63	0.77	62	1.18	61	0.00%	1
Wellington	2.10%	15.63%	26	17.65%	20	4.93%	22	0.88	20	1.34	22	3.60%	26
Russell 2000 Value		12.12%	81	19.76%	64	0.00%	83	0.61	82	0.93	81	0.00%	1
SSgA Russell 2000 Growth	1.38%	14.70%	66	20.65%	64	-0.04%	71	0.71	69	1.23	58	0.18%	1
Russell 2000 Growth		14.75%	64	20.65%	64	0.00%	71	0.71	69	1.22	59	0.00%	1



	% of Tot	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Anlzd AJ	Rank	Sharpe Ratio	Rank	Sortino Ratio RF	Rank	Tracking Error	Rank
Small/Mid Cap Comp	6.27%	10.34%	41	22.98%	54	2.62%	42	0.44	42	0.60	42	2.99%	1
Russell 2000		8.24%	71	24.42%	74	0.00%	78	0.33	75	0.46	70	0.00%	1
SSgA S&P 400	0.61%	10.05%	29	23.19%	76	0.06%	41	0.42	39	0.54	46	2.88%	1
S&P 400 MidCap		9.85%	32	22.68%	66	0.00%	42	0.42	39	0.55	43	0.00%	1
Champlain	2.18%												
Russell 2500													
Wellington	2.10%	12.25%	17	23.36%	43	5.47%	15	0.51	12	0.66	22	4.47%	18
Russell 2000 Value		7.29%	87	24.79%	64	0.00%	88	0.28	86	0.38	87	0.00%	1
SSgA Russell 2000 Growth	1.38%	9.04%	57	24.53%	72	0.01%	62	0.36	60	0.51	59	0.20%	1
Russell 2000 Growth		9.04%	57	24.56%	72	0.00%	62	0.36	60	0.51	59	0.00%	1



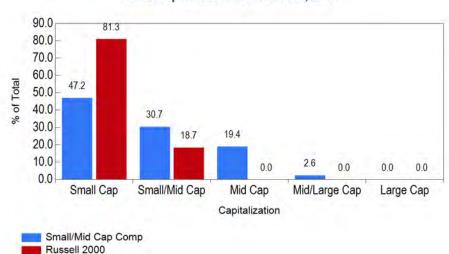
### 3 Year Style Analysis



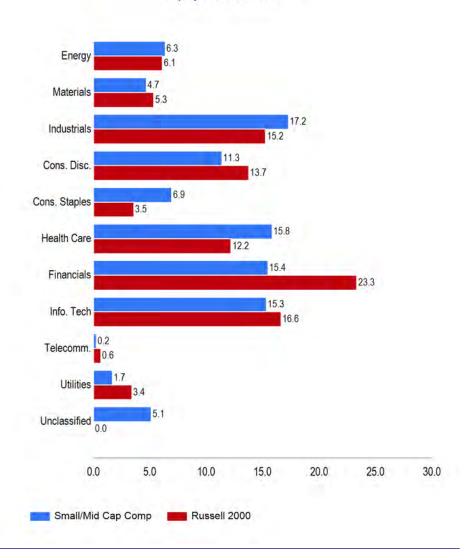
#### **Equity Characteristics**

	Portfolio	Russell 2000
Number of Holdings	1,462	1,952
Weighted Avg. Market Cap. (\$B)	4.3	1.5
Median Market Cap. (\$B)	1.2	0.6
Price To Earnings	20.5	17.2
Price To Book	3.5	2.6
Price To Sales	2.5	2.3
Return on Equity (%)	13.6	10.1
Yield (%)	1.2	1.1
Beta	0.9	1.0
R-Squared	1.0	1.0

#### Market Capitalization As Of March 31, 2013



### **Equity Sector Allocation**



### **Top Positive Contributors**

### **Top Negative Contributors**

Top Ten Holdings	
CASH - USD	2.3%
JPMORGAN PRIME MONEY MARKET FUND AGENCY CLASS	1.2%
WILLIS GROUP HOLDINGS	1.0%
CHAS.RVR.LABS.INTL.	0.9%
DOVER	0.9%
CAREFUSION	0.9%
NORTHERN TRUST	0.8%
DENBURY RES.	0.8%
UNITED STATIONERS	0.8%
MUELLER INDS.	0.8%

	Relative	
	Contribution %	Return %
LIFE TECHNOLOGIES	0.3%	31.8%
CARLISLE COS.	0.2%	15.7%
FLOWERS FOODS	0.2%	42.4%
HJ HEINZ	0.2%	26.2%
TUPPERWARE BRANDS	0.2%	28.5%
ENERGIZER HDG.	0.2%	25.2%
CAREFUSION	0.2%	22.4%
AVON PRODUCTS	0.2%	44.8%
WILLIS GROUP HOLDINGS	0.2%	18.6%
G & K SVS.'A'	0.2%	33.9%

	Relative	
	Contribution %	Return %
CATO 'A'	-0.1%	-11.8%
ALASKA AIR GROUP	-0.1%	48.4%
PHARMACYCLICS	-0.1%	39.2%
FIFTH & PACIFIC COS.	-0.1%	51.6%
SEATTLE GENETC.	-0.1%	53.2%
AXIALL	0.0%	50.8%
VALUECLICK	0.0%	52.3%
ACCO BRANDS	0.0%	-9.0%
AVIS BUDGET GROUP	0.0%	40.4%
ATHENAHEALTH	0.0%	32.4%

### **Equity Sector Attribution**

			Attribution Effects		F	Sector Weights			
	Total	Selection	Allocation	Interaction					
	Effects	Effect	Effect	Effects	Portfolio	Benchmark	Portfolio	Benchmark	
Energy	0.3%	0.3%	0.0%	0.0%	16.2%	11.8%	7.1%	6.1%	
Materials	0.2%	0.2%	0.0%	0.0%	12.1%	9.0%	4.7%	5.3%	
Industrials	0.0%	0.0%	0.1%	0.0%	13.8%	14.1%	18.7%	15.2%	
Cons. Disc.	-0.4%	-0.5%	0.0%	0.0%	9.2%	12.4%	12.9%	13.9%	
Cons. Staples	0.8%	0.4%	0.0%	0.4%	22.0%	11.5%	7.5%	3.7%	
Health Care	0.0%	-0.1%	0.1%	0.0%	13.8%	14.3%	16.1%	12.0%	
Financials	0.2%	0.4%	-0.1%	-0.1%	14.8%	13.2%	16.0%	23.0%	
Info. Tech	0.1%	0.1%	0.0%	0.0%	11.1%	10.7%	14.4%	16.7%	
Telecomm.	0.1%	0.0%	0.1%	0.0%	3.1%	1.2%	0.2%	0.7%	
Utilities	0.1%	0.2%	0.0%	-0.1%	15.9%	10.4%	1.7%	3.4%	
Cash	-0.1%	0.0%	-0.1%	0.0%	0.0%		0.5%	0.0%	
Portfolio	1.2%	= 0.9%	+ 0.1%	+ 0.2%	13.6%	12.4%	100.0%	100.0%	



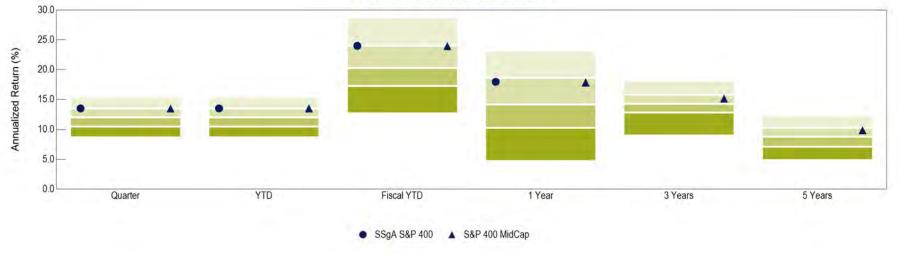
### SSgA S&P 400

The Strategy is managed using a "passive" or "indexing" investment approach, by which SSqA 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.

#### **Characteristics**

	Portfolio	S&P 400 MidCap
Number of Holdings	402	400
Weighted Avg. Market Cap. (\$B)	4.7	4.7
Median Market Cap. (\$B)	3.1	3.1
Price To Earnings	23.9	23.6
Price To Book	3.5	2.9
Price To Sales	2.6	2.2
Return on Equity (%)	15.3	13.3
Yield (%)	1.4	1.4
Beta		1.0
R-Squared		1.0





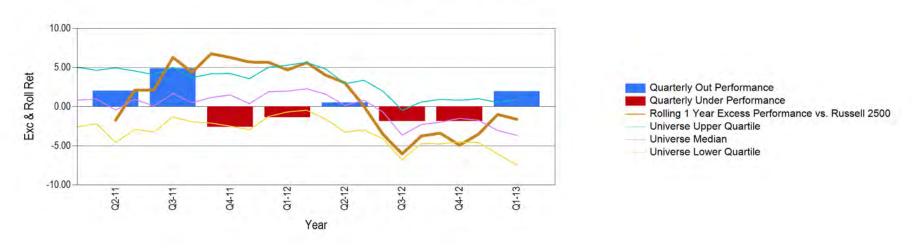


### Champlain

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 quidelines 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.

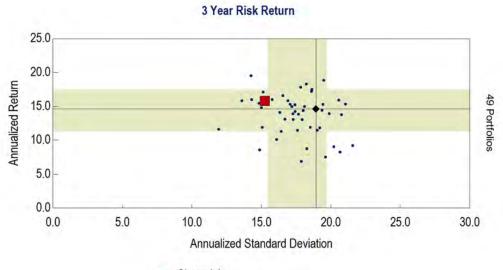


#### **Annualized Excess Performance**





### Champlain



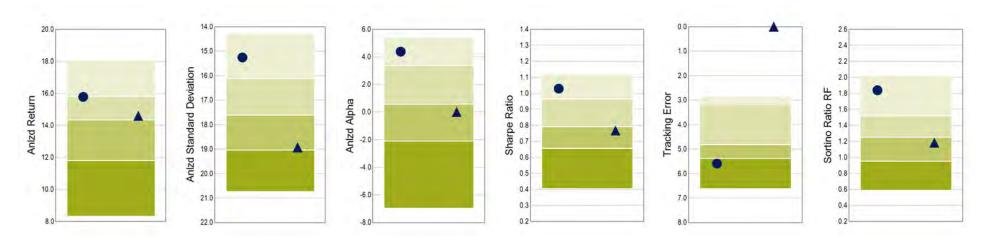
### **Characteristics**

	Portfolio	Russell 2500
Number of Holdings	70	2,449
Weighted Avg. Market Cap. (\$B)	8.4	3.4
Median Market Cap. (\$B)	6.9	0.8
Price To Earnings	22.9	18.3
Price To Book	3.6	2.7
Price To Sales	2.7	2.2
Return on Equity (%)	15.9	11.9
Yield (%)	1.2	1.3
Beta		1.0
R-Squared		1.0

#### Champlain

- · Russell 2500
- 68% Confidence Interval
- · eA US Mid Cap Core Equity Gross

### **3 Year Risk Statistics**



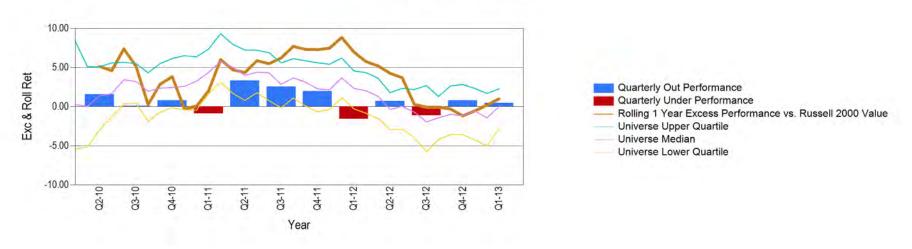


### Wellington

Wellington's investment objective is to seek long-term total returns in excess of the Russell 2000 Value Index by investing in conservatively-valued securities of high-quality, small cap companies. Wellington employ a bottom-up stock selection process that utilizes Wellington Management's proprietary, fundamental research to identify undervalued companies that have the potential for significant longer-term rewards. The investment universe consists of all stocks generally between US\$100 million and US\$2 billion in market capitalization. These stocks are reviewed for certain financial and valuation requirements that correspond with our investment process and philosophy. The Small Cap Value Team conducts their own proprietary research and leverages the broader research of the firm as appropriate. The Portfolio is expected to have a lower P/E ratio and other value-oriented characteristics relative to the overall small cap market, with a similar market capitalization. The return on equity is expected to be higher than the small cap value indexes, consistent with the high-quality focus.

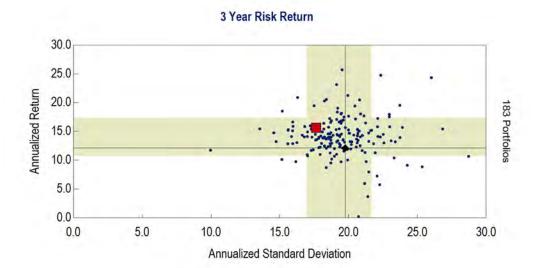


#### **Annualized Excess Performance**





### Wellington

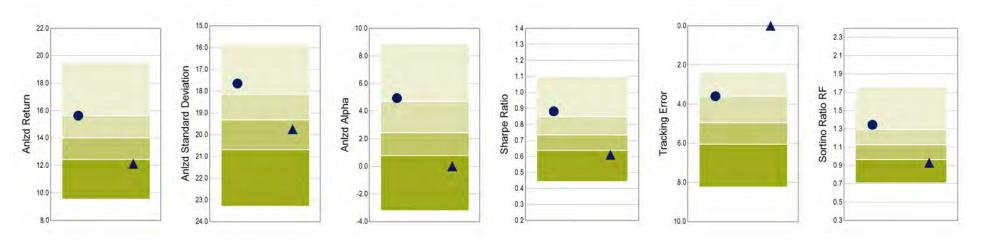


#### **Characteristics**

	Portfolio 2	Russell 2000 Value
Number of Holdings	80	1,403
Weighted Avg. Market Cap. (\$B)	1.7	1.3
Median Market Cap. (\$B)	1.4	0.5
Price To Earnings	16.9	14.0
Price To Book	2.2	1.7
Price To Sales	1.5	1.9
Return on Equity (%)	11.8	6.8
Yield (%)	1.4	1.7
Beta		1.0
R-Squared		1.0

- Wellington
- Russell 2000 Value
- 68% Confidence Interval
- eA US Small Cap Value Equity Gross

#### 3 Year Risk Statistics



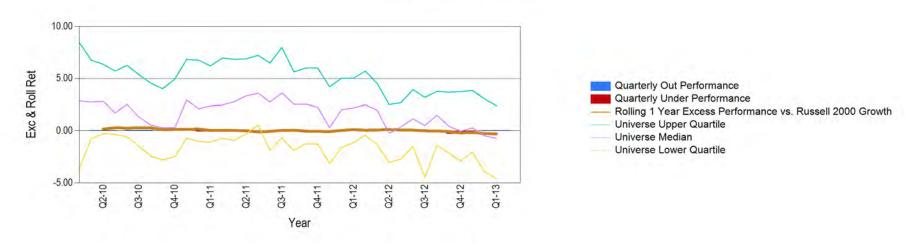


### SSgA Russell 2000 Growth

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, SSqA 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.

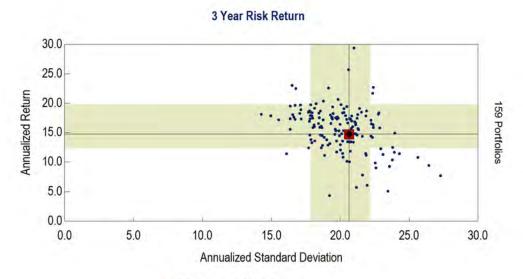


#### **Annualized Excess Performance**





### SSgA Russell 2000 Growth

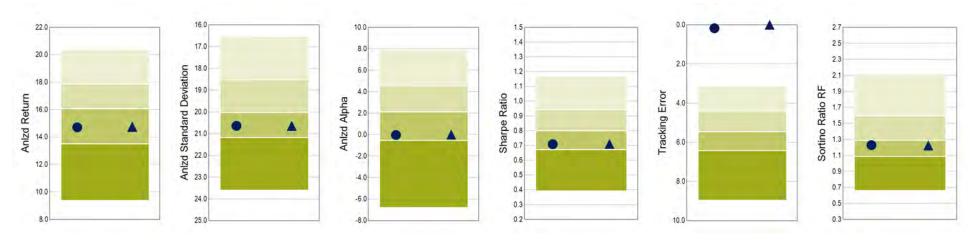


### **Characteristics**

	Portfolio	Russell 2000 Growth
Number of Holdings	1,052	1,104
Weighted Avg. Market Cap. (\$B)	1.7	1.8
Median Market Cap. (\$B)	0.7	0.7
Price To Earnings	20.2	20.3
Price To Book	4.8	4.3
Price To Sales	3.2	2.7
Return on Equity (%)	11.7	14.8
Yield (%)	0.7	0.5
Beta		1.0
R-Squared		1.0

- SSgA Russell 2000 Growth
- · Russell 2000 Growth
- 68% Confidence Interval
- eA US Small Cap Growth Equity Gross

#### 3 Year Risk Statistics

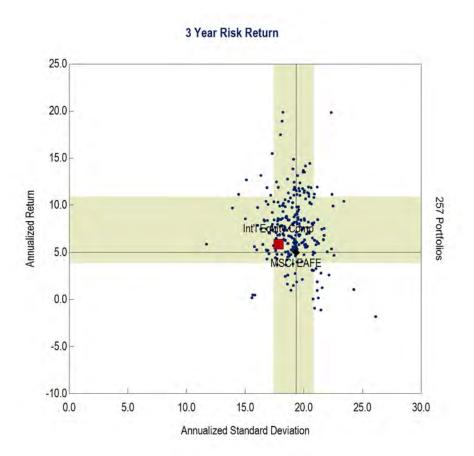






	% of Tot	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Anlzd AJ	Rank	Tracking Error	Rank	Sortino Ratio RF	Rank	Down Mkt Cap Ratio	Rank
Int'l Equity Comp	10.21%	5.87%	70	17.83%	22	1.27%	64	2.30%	9	0.45	65	90.68%	42
MSCI EAFE	-	5.00%	82	19.35%	58	0.00%	83	0.00%	1	0.37	82	100.00%	78
Acadian	4.01%	6.76%	58	18.70%	41	2.01%	56	3.64%	38	0.46	63	90.53%	41
MSCI EAFE		5.00%	82	19.35%	58	0.00%	83	0.00%	1	0.37	82	100.00%	78
Mondrian	4.08%	5.25%	79	17.20%	12	0.92%	71	4.78%	59	0.45	65	89.06%	35
MSCI EAFE		5.00%	82	19.35%	58	0.00%	83	0.00%	1	0.37	82	100.00%	78
SSgA ACWI Ex US	2.12%												
MSCI ACWI ex USA													

	% of Tot	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Anlzd AJ	Rank	Tracking Error	Rank	Sortino Ratio RF	Rank	Down Mkt Cap Ratio	Rank
Int'l Equity Comp	10.21%	-0.96%	86	21.63%	18	-0.16%	86	2.44%	7	-0.07	86	96.81%	40
MSCI EAFE	-	-0.89%	85	23.21%	48	0.00%	84	0.00%	1	-0.07	85	100.00%	71
Acadian	4.01%	-1.99%	92	23.96%	63	-1.09%	92	4.15%	35	-0.11	92	100.16%	73
MSCI EAFE	-	-0.89%	85	23.21%	48	0.00%	84	0.00%	1	-0.07	85	100.00%	71
Mondrian	4.08%	-0.48%	78	20.29%	9	0.25%	80	5.00%	49	-0.05	80	94.10%	22
MSCI EAFE		-0.89%	85	23.21%	48	0.00%	84	0.00%	1	-0.07	85	100.00%	71
SSgA ACWI Ex US	2.12%												
MSCI ACWI ex USA													



### 3 Year Style Analysis



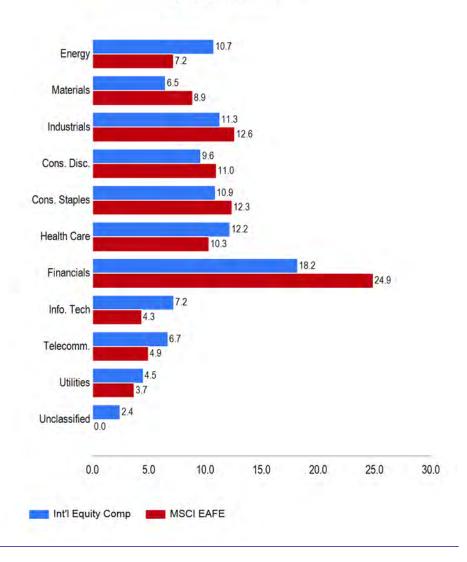
### **Equity Characteristics**

	Portfolio	MSCI EAFE
Number of Holdings	2,163	909
Weighted Avg. Market Cap. (\$B)	47.1	55.6
Median Market Cap. (\$B)	5.7	7.8
Price To Earnings	15.6	17.2
Price To Book	2.2	2.1
Price To Sales	1.3	1.6
Return on Equity (%)	14.3	13.4
Yield (%)	3.4	3.1
Beta	0.9	1.0
R-Squared	1.0	1.0

### **Regional Allocation**

	Int'l Equity Comp	MSCI EAFE
Region Weighting		
North America ex U.S.	2.40	0.00
United States	2.56	0.00
Europe Ex U.K.	38.09	41.82
United Kingdom	17.16	22.05
Pacific Basin Ex Japan	9.31	14.32
Japan	21.20	21.28
Emerging Markets	8.17	0.00
Other	1.09	0.54

### **Equity Sector Allocation**



### **Top Positive Contributors**

### **Top Negative Contributors**

Top Ten Holdings	
ZIFF DAVIS HLDGS INC RESTR	2.4%
ROYAL DUTCH SHELL A	2.0%
SANOFI	1.9%
TOTAL	1.7%
BP	1.6%
NATIONAL GRID	1.4%
NOVARTIS 'R'	1.4%
CANON	1.3%
GLAXOSMITHKLINE	1.3%
TESCO	1.3%

	Relative	
	Contribution %	Return %
AMCOR	0.2%	17.9%
KAO	0.2%	25.9%
ASTELLAS PHARMA	0.2%	21.6%
EADS	0.2%	31.1%
TAKEDA PHARMACEUTICAL	0.2%	22.1%
SEVEN & I HDG.	0.1%	19.0%
AHOLD KON.	0.1%	14.9%
QBE INSURANCE GROUP	0.1%	25.4%
MONDI	0.1%	24.7%
BHP BILLITON	0.1%	-9.9%

	Relative	
	Contribution %	Return %
NESTLE 'R'	-0.2%	11.3%
ROCHE HOLDING	-0.1%	20.1%
IBERDROLA	-0.1%	-12.6%
WESTPAC BANKING	-0.1%	18.6%
NATIONAL AUS.BANK	-0.1%	23.9%
SAINT GOBAIN	-0.1%	-12.6%
COMMONWEALTH BK.OF AUS.	-0.1%	12.6%
ROYAL DUTCH SHELL A	-0.1%	-4.3%
RWE	-0.1%	-8.8%
KGHM	-0.1%	-21.0%

### **Equity Sector Attribution**

			Attribution Effects Returns		Sector Weights			
	Total	Selection	Allocation	Interaction				
	Effects	Effect	Effect	Effects	Portfolio	Benchmark	Portfolio	Benchmark
Energy	-0.3%	-0.2%	-0.1%	0.0%	-2.6%	-1.6%	9.5%	7.7%
Materials	0.6%	0.2%	0.3%	0.1%	-2.1%	-4.7%	7.0%	9.8%
Industrials	0.1%	-0.1%	0.0%	0.1%	6.1%	5.8%	11.8%	12.5%
Cons. Disc.	0.3%	0.3%	-0.1%	0.0%	9.9%	7.4%	8.8%	10.7%
Cons. Staples	0.2%	0.3%	-0.2%	0.0%	13.3%	11.1%	9.2%	11.7%
Health Care	0.3%	0.2%	0.1%	-0.1%	14.5%	12.5%	11.5%	9.8%
Financials	0.5%	0.1%	0.1%	0.3%	6.2%	5.2%	18.5%	24.7%
Info. Tech	-0.4%	-0.1%	0.0%	-0.3%	1.8%	5.2%	7.7%	4.3%
Telecomm.	-0.3%	-0.2%	0.0%	-0.1%	2.8%	6.2%	6.5%	4.9%
Utilities	-0.3%	-0.2%	-0.1%	-0.1%	-5.2%	-0.9%	4.8%	3.9%
Cash	-0.5%	0.0%	-0.5%	0.0%	0.0%		4.7%	0.0%
Portfolio	0.1%	= 0.4%	+ -0.3%	+ 0.0%	5.3%	5.2%	100.0%	100.0%



#### **Country Allocation**

#### Manager Index Manager Index Allocation (USD) Allocation (USD) Return (USD) Return (USD) **Americas** Brazil\* 0.8% 0.0% 2.2% -0.8% Canada 2.6% 0.0% 0.5% 0.9% Chile\* 0.1% 0.0% 4.5% 4.4% Colombia\* 0.1% 0.0% -6.5% -6.6% Mexico\* 0.3% 0.0% 5.7% 6.1% Peru\* 0.0% -2.5% -2.5% 0.0% 10.5% **United States** 0.0% 0.0% 16.3% **Total-Americas** 0.0% 1.2% 3.8% Europe Austria 0.3% 0.3% 15.1% -4.6% Belgium 1.0% 1.2% 13.6% 8.9% Czech Republic\* 0.0% 0.0% -14.1% -14.1% 0.9% Denmark 1.2% 3.5% 4.3% Finland 0.4% 0.8% -3.5% 3.0% 9.6% France 10.9% 0.6% 0.1% 8.6% 8.8% 0.8% 0.5% Germany 0.0% 0.1% 31.8% 14.0% Greece Hungary\* 0.0% 0.0% -6.6% -6.6% Ireland 0.0% 0.3% 18.3% 12.9% Italy 2.5% 2.3% -6.3% -9.8% 0.0% 0.0% 5.2% Luxembourg 1.5% 2.5% Netherlands 4.8% 5.3% 2.6% 0.9% 0.9% -1.0% 0.4% Norway Poland\* 0.5% 0.0% -17.2% -11.5% Portugal 0.0% 0.2% 7.3% -0.3% Russia\* 0.3% 0.0% -4.8% -3.2% Spain 3.2% 3.0% -8.1% -5.4% Sweden 2.0% 3.2% 15.2% 9.8% 8.7% Switzerland 6.0% 11.6% 11.7% United Kingdom 12.0% 22.6% 4.8% 2.5%

54.4%

65.4%

### **Country Allocation** Versus MSCI EAFE - Quarter Ending March 31, 2013

Philippines\*

Singapore

Taiwan\*

Thailand\*

Cash

2.9%

2.9%

	Manager Allocation (USD)	Index Allocation (USD)	Manager Return (USD)	Index Return (USD)
AsiaPacific				
Australia	5.4%	8.9%	13.2%	9.1%
China*	0.9%	0.0%	-4.5%	-4.5%
Hong Kong	0.8%	3.1%	9.5%	3.5%
India*	0.3%	0.0%	-2.5%	-2.6%
Indonesia*	0.2%	0.0%	16.8%	13.4%
Japan	20.7%	20.0%	12.9%	11.6%
Korea*	2.1%	0.0%	-2.5%	-3.4%
Malaysia*	0.2%	0.0%	-1.0%	-0.9%
New Zealand	0.0%	0.1%	11.0%	11.0%

0.0%

3.2%

1.2%

0.5%

0.0%

1.9%

0.0%

0.0%

19.0%

5.6%

-1.9%

17.1%

0.0%

18.6%

2.9%

-0.2%

10.1%

Total-AsiaPacific	35.6%	34.1%	10.2%	9.7%
Other				
Egypt*	0.0%	0.0%	-12.7%	-10.8%
Israel	0.9%	0.5%	7.1%	7.2%
Morocco*	0.0%	0.0%	-2.9%	-3.0%
South Africa*	0.5%	0.0%	-9.9%	-9.0%
Turkey*	0.2%	0.0%	9.4%	8.2%
Total-Other	1.5%	0.5%	1.9%	7.2%
Totals				
Developed	87.1%	100.0%	6.2%	5.2%
Emerging*	8.2%	0.0%	-1.3%	
Other	0.0%			

4.7%

**Total-Europe** 

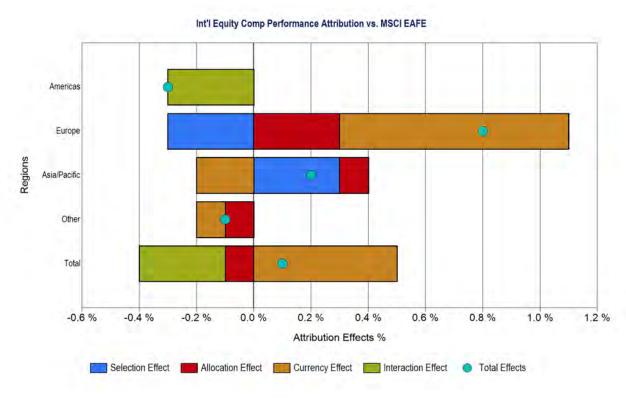
### **International Equity Performance Attribution**

	international Equity Performance Attribution								
	R	leturns an	d Weights			Attri	bution Effe	cts	
	Manager	Index	Manager	Index	Selection	Allocation	Currency I	nteraction	Total
	Return	Return	Weight	Weight	Effect	Effect	Effect	Effect	Effects
Europe									
Austria	15.1%	-4.6%	0.3%	0.3%	0.1%	0.0%	0.0%	0.0%	0.1%
Belgium	13.6%	8.9%	1.0%	1.2%	0.1%	0.0%	0.0%	0.0%	0.1%
Czech Republic*	-14.1%	-14.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Denmark	3.5%	4.3%	0.9%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Finland	-3.5%	3.0%	0.4%	0.8%	-0.1%	0.0%	0.0%	0.0%	0.0%
France	0.1%	0.6%	10.9%	9.6%	0.0%	-0.1%	0.0%	0.0%	-0.2%
Germany	0.8%	0.5%	8.6%	8.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Greece	31.8%	14.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Hungary*	-6.6%	-6.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Ireland	18.3%	12.9%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Italy	-6.3%	-9.8%	2.5%	2.3%	0.1%	0.0%	0.0%	0.0%	0.0%
Netherlands	5.3%	2.6%	4.8%	2.5%	0.1%	-0.1%	-0.1%	0.1%	0.0%
Norway	-1.0%	0.4%	0.9%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%
Poland*	-17.2%	-11.5%	0.5%	0.0%	0.0%	-0.1%	0.0%	0.0%	-0.1%
Portugal	7.3%	-0.3%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Russia*	-4.8%	-3.2%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Spain	-8.1%	-5.4%	3.2%	3.0%	-0.1%	0.0%	0.0%	0.0%	-0.1%
Sweden	15.2%	9.8%	2.0%	3.2%	0.2%	0.0%	0.0%	-0.1%	0.1%
Switzerland	11.6%	11.7%	6.0%	8.7%	0.0%	-0.2%	0.1%	0.0%	-0.1%
United Kingdom	4.8%	2.5%	12.0%	22.6%	0.6%	0.0%	0.7%	-0.3%	1.1%
Americas									
Brazil*	2.2%	-0.8%	0.8%	0.0%	0.0%	-0.1%	0.0%	0.0%	-0.1%
Canada	0.5%	0.9%	2.6%	0.0%	0.0%	-0.2%	0.0%	0.0%	-0.2%
Chile*	4.5%	4.4%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colombia*	-6.5%	-6.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Mexico*	5.7%	6.1%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Peru*	-2.5%	-2.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
United States	16.3%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

### **International Equity Performance Attribution**

	R	eturns an	d Weights	s Attribution Effects					
	Manager Return	Index Return	Manager Weight	Index Weight	Selection Effect	Allocation Effect	Currency II Effect	nteraction Effect	Total Effects
AsiaPacific									
Australia	13.2%	9.1%	5.4%	8.9%	0.4%	0.0%	0.0%	-0.1%	0.3%
China*	-4.5%	-4.5%	0.9%	0.0%	0.0%	-0.1%	0.0%	0.0%	-0.1%
Hong Kong	9.5%	3.5%	0.8%	3.1%	0.2%	0.1%	0.0%	-0.1%	0.2%
India*	-2.5%	-2.6%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Indonesia*	16.8%	13.4%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Japan	12.9%	11.6%	20.7%	20.0%	0.3%	0.1%	-0.1%	0.0%	0.3%
Korea*	-2.5%	-3.4%	2.1%	0.0%	0.0%	-0.2%	-0.1%	0.0%	-0.3%
Malaysia*	-1.0%	-0.9%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
New Zealand	11.0%	11.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Philippines*	19.0%	18.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Singapore	5.6%	2.9%	3.2%	1.9%	0.0%	-0.1%	0.0%	0.0%	0.0%
Taiwan*	-1.9%	-0.2%	1.2%	0.0%	0.0%	-0.1%	0.0%	0.0%	-0.1%
Thailand*	17.1%	10.1%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other									
Egypt*	-12.7%	-10.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Israel	7.1%	7.2%	0.9%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Morocco*	-2.9%	-3.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Africa*	-9.9%	-9.0%	0.5%	0.0%	0.0%	-0.1%	0.0%	0.0%	-0.1%
Turkey*	9.4%	8.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Countries*		0.0%		0.0%					
Totals									
Developed	6.2%	5.2%	87.1%	100.0%	1.0%	0.0%	0.6%	-0.1%	1.5%
Emerging*	-1.3%		8.2%	0.0%	0.0%	0.0%	-0.1%	-0.8%	-0.9%
Cash	0.0%		4.7%	0.0%	0.0%	-0.5%	0.0%	0.0%	-0.5%



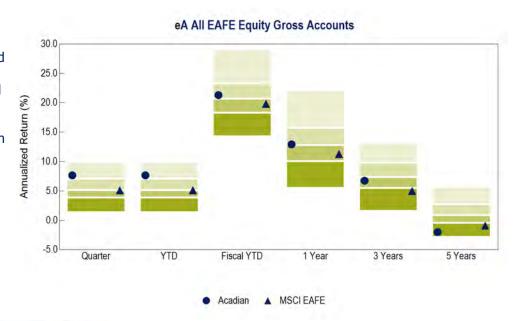


	Returns and Weights					Attribution Effects			
	Manager	Index	Manager	Index	Selection	Allocation	Currency	Interaction	Total
	Return	Return	Weight	Weight	Effect	Effect	Effect	Effect	Effects
Totals									
Americas	1.2%		3.8%	0.0%	0.0%	0.0%	0.0%	-0.3%	-0.3%
Europe	2.9%	2.9%	54.4%	65.4%	-0.3%	0.3%	0.8%	0.0%	0.8%
Asia/Pacific	10.2%	9.7%	35.6%	34.1%	0.3%	0.1%	-0.2%	0.0%	0.2%
Other	1.9%	7.2%	1.5%	0.5%	0.0%	-0.1%	-0.1%	0.0%	-0.1%
Cash	0.0%		4.7%	0.0%	0.0%	-0.5%	0.0%	0.0%	-0.5%
Total	5.3%	5.2%	100.0%	100.0%	0.0%	-0.1%	0.5%	-0.3%	0.1%
Totals									
Developed	6.2%	5.2%	87.1%	100.0%	1.0%	0.0%	0.6%	-0.1%	1.5%
Emerging*	-1.3%		8.2%	0.0%	0.0%	0.0%	-0.1%	-0.8%	-0.9%

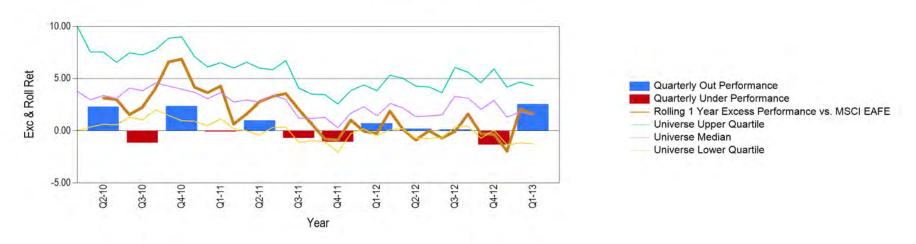


### Acadian

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.

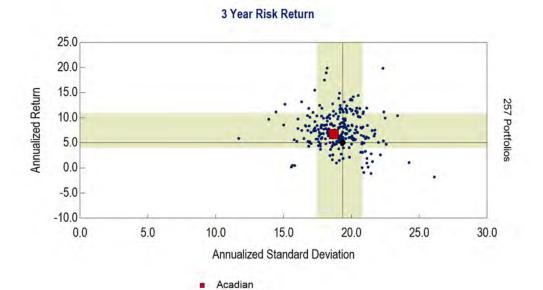


#### Annualized Excess Performance





### Acadian



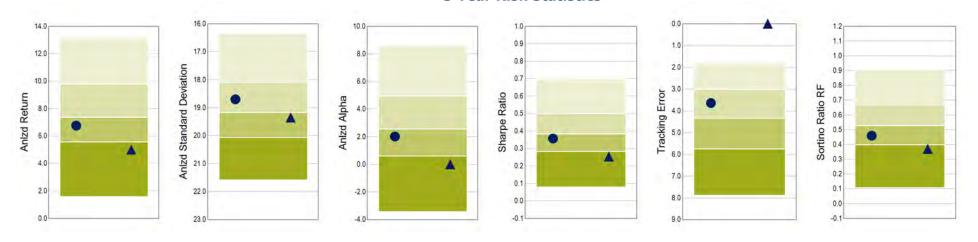
MSCI EAFE

68% Confidence Interval eA All EAFE Equity Gross

### Characteristics

	Portfolio	MSCI EAFE
Number of Holdings	378	909
Weighted Avg. Market Cap. (\$B)	35.9	55.6
Median Market Cap. (\$B)	0.7	7.8
Price To Earnings	14.2	17.2
Price To Book	1.8	2.1
Price To Sales	0.9	1.6
Return on Equity (%)	14.3	13.4
Yield (%)	2.8	3.1
Beta		1.0
R-Squared		1.0

### 3 Year Risk Statistics



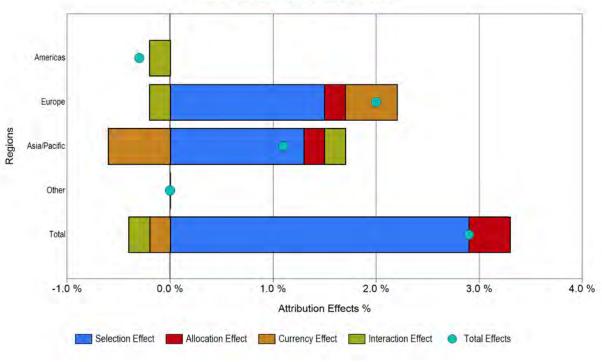


# Acadian

	Country Allocation  Manager Index Manager Index					Country Alloca Manager	ition Index	Manager	Index
	Allocation (USD) Allocation	on (USD)	Return (USD)	Return (USD)		Allocation (USD) Alloca	ition (USD)	Return (USD)	Return (USD)
Americas					AsiaPacific				
Brazil*	0.5%	0.0%	11.4%	-0.8%	Australia	5.3%	8.9%	3.6%	9.1%
Canada	2.5%	0.0%	-0.2%	0.9%	China*	0.0%	0.0%		
Chile*	0.0%	0.0%			Hong Kong	0.9%	3.1%	12.9%	3.4%
Colombia*	0.0%	0.0%			India*	0.0%	0.0%		
Mexico*	0.0%	0.0%	-0.6%	6.1%	Indonesia*	0.2%	0.0%	6.8%	2.2%
Peru*	0.0%	0.0%			Japan	23.9%	20.0%	6.0%	11.6%
United States	0.0%	0.0%	16.7%	10.5%	Korea*	3.3%	0.0%	-4.7%	-3.8%
Total-Americas	3.1%	0.0%	1.8%		Malaysia*	0.1%	0.0%	-5.9%	-4.8%
Europe					New Zealand	0.0%	0.1%	-	11.0%
Austria	0.7%	0.3%	18.1%	-4.6%	Philippines*	0.0%	0.0%		
Belgium	2.1%	1.2%	14.4%	8.9%	Singapore	3.0%	1.9%	2.4%	3.0%
Czech Republic*	0.0%	0.0%			Taiwan*	0.6%	0.0%	-1.5%	0.2%
Denmark	1.7%	1.2%	3.3%	4.3%	Thailand*	0.9%	0.0%	0.9%	5.8%
Finland	0.6%	0.8%	-6.4%	3.0%	Total-AsiaPacific	38.2%	34.1%	4.3%	9.7%
France	7.5%	9.6%	7.1%	0.6%	Other				
Germany	12.0%	8.8%	4.5%	0.5%	Egypt*	0.0%	0.0%		
Greece	0.0%	0.1%	51.2%	14.0%	Israel	0.0%	0.5%		7.2%
Hungary*	0.0%	0.0%			Morocco*	0.0%	0.0%		
Ireland	0.0%	0.3%	22.8%	12.9%	South Africa*	0.2%	0.0%	-6.4%	-5.6%
Italy	1.7%	2.3%	1.8%	-9.8%	Turkey*	0.2%	0.0%	6.7%	1.7%
Netherlands	4.8%	2.5%	1.5%	2.6%	Total-Other	0.4%	0.5%	-1.4%	7.2%
Norway	1.9%	0.9%	-1.3%	0.4%	Totals				
Poland*	1.1%	0.0%	-18.2%	-11.5%	Developed	92.9%	100.0%	6.3%	5.2%
Portugal	0.0%	0.2%	20.7%	-0.3%	Emerging*	7.1%	0.0%	-1.5%	
Russia*	0.0%	0.0%			Other	0.0%			
Spain	0.1%	3.0%	-4.8%	-5.4%	Cash	0.0%			
Sweden	3.9%	3.2%	16.6%	9.8%					
Switzerland	4.2%	8.7%	11.7%	11.7%					
United Kingdom	16.0%	22.6%	4.1%	2.5%					
Total-Europe	58.4%	65.4%	5.5%	2.9%					





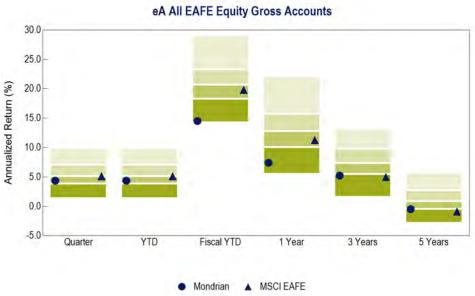


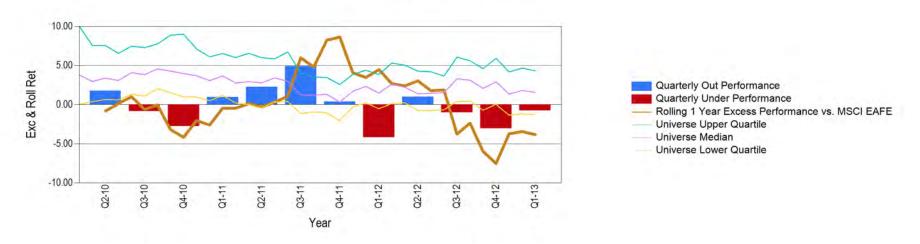
		Returns and	Weights			Attribution Effects						
	Manager	Index	Manager	Index	Selection	Allocation	Currency	Interaction	Total			
	Return	Return	Weight	Weight	Effect	Effect	Effect	Effect	Effects			
Totals												
Americas	1.8%		3.1%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.3%			
Europe	5.5%	2.9%	58.4%	65.4%	1.5%	0.2%	0.5%	-0.2%	2.0%			
Asia/Pacific	12.7%	9.7%	38.1%	34.1%	1.3%	0.2%	-0.6%	0.2%	1.1%			
Other	-4.0%	7.2%	0.4%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%			
Total	8.1%	5.2%	100.0%	100.0%	2.9%	0.4%	-0.2%	-0.2%	2.9%			
Totals												
Developed	8.8%	5.2%	92.9%	100.0%	3.9%	0.0%	0.0%	-0.3%	3.6%			
Emerging*	-0.9%		7.1%	0.0%	0.0%	0.0%	-0.2%	-0.6%	-0.8%			



## Mondrian

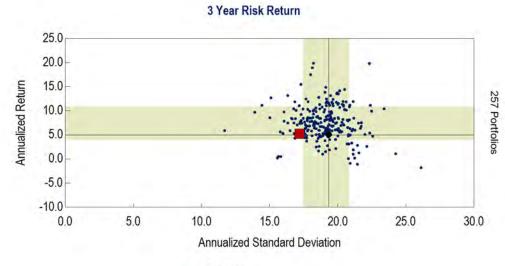
The firm is an active value-oriented defensive manager. The firm's value driven investment philosophy is based on the belief that investments need to be evaluated in terms of their fundamental long-term value. The firm believes that the value of a company lies in its future income stream as dividends 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 of 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.







## Mondrian

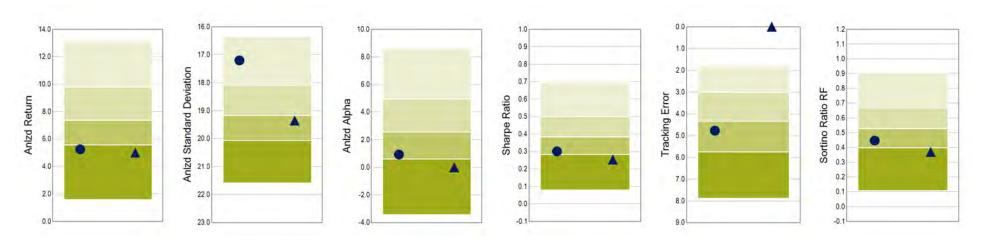


#### **Characteristics**

	Portfolio	MSCI EAFE
Number of Holdings	36	909
Weighted Avg. Market Cap. (\$B)		55.6
Median Market Cap. (\$B)		7.8
Price To Earnings		17.2
Price To Book		2.1
Price To Sales		1.6
Return on Equity (%)		13.4
Yield (%)		3.1
Beta		1.0
R-Squared		1.0

- Mondrian
- MSCI EAFE
- 68% Confidence Interval
- eA All EAFE Equity Gross

#### **3 Year Risk Statistics**

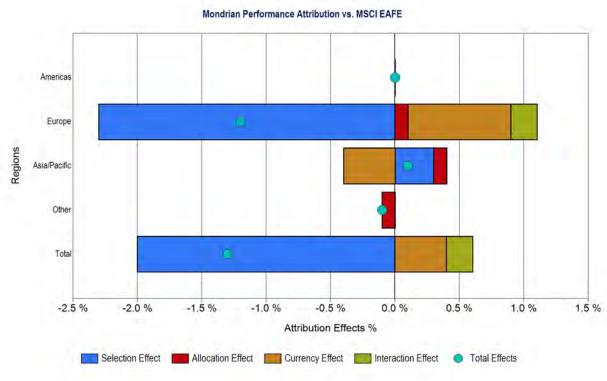




# Mondrian

	Country All	ocation				Country A	Allocation		
	Manager	Index	Manager	Index		Manager	Index	Manager	Index
	Allocation (USD) A	llocation (USD)	Return (USD)	Return (USD)		Allocation (USD)	Allocation (USD)	Return (USD)	Return (USD)
Americas					AsiaPacific				
Brazil*	0.0%	0.0%			Australia	5.8%	8.9%	17.2%	9.1%
Canada	0.0%	0.0%			China*	0.0%	0.0%		
Chile*	0.0%	0.0%			Hong Kong	0.0%	3.1%		3.5%
Colombia*	0.0%	0.0%			India*	0.0%	0.0%		
Mexico*	0.0%	0.0%			Indonesia*	0.0%	0.0%		
Peru*	0.0%	0.0%			Japan	23.7%	20.0%	9.8%	11.6%
United States	0.0%	0.0%			Korea*	0.0%	0.0%		
Total-Americas	0.0%	0.0%			Malaysia*	0.0%	0.0%		
Europe					New Zealand	0.0%	0.1%		11.0%
Austria	0.0%	0.3%	-	-4.6%	Philippines*	0.0%	0.0%		
Belgium	0.0%	1.2%		8.9%	Singapore	4.9%	1.9%	4.9%	2.9%
Czech Republic*	0.0%	0.0%	-		Taiwan*	1.4%	0.0%	0.2%	-0.2%
Denmark	0.0%	1.2%		4.3%	Thailand*	0.0%	0.0%	-	
Finland	0.0%	0.8%		3.0%	Total-AsiaPacific	35.7%	34.1%	10.0%	9.7%
France	18.5%	9.6%	-3.2%	0.6%	Other				
Germany	7.2%	8.8%	-6.3%	0.5%	Egypt*	0.0%	0.0%	-	
Greece	0.0%	0.1%		14.0%	Israel	2.3%	0.5%	7.1%	7.2%
Hungary*	0.0%	0.0%	-		Morocco*	0.0%	0.0%	-	
Ireland	0.0%	0.3%		12.9%	South Africa*	0.0%	0.0%		
Italy	4.2%	2.3%	-9.4%	-9.8%	Turkey*	0.0%	0.0%		
Netherlands	7.1%	2.5%	8.7%	2.6%	Total-Other	2.3%	0.5%	7.1%	7.2%
Norway	0.0%	0.9%		0.4%	Totals				
Poland*	0.0%	0.0%			Developed	97.1%	100.0%	4.0%	5.2%
Portugal	0.0%	0.2%	-	-0.3%	Emerging*	1.4%	0.0%	0.2%	
Russia*	0.0%	0.0%			Other	0.0%			
Spain	7.8%	3.0%	-8.5%	-5.4%	Cash	1.5%		0.0%	
Sweden	0.0%	3.2%		9.8%					
Switzerland	8.8%	8.7%	11.5%	11.7%					
United Kingdom	7.0%	22.6%	9.2%	2.5%					
Total-Europe	60.5%	65.4%	0.3%	2.9%					



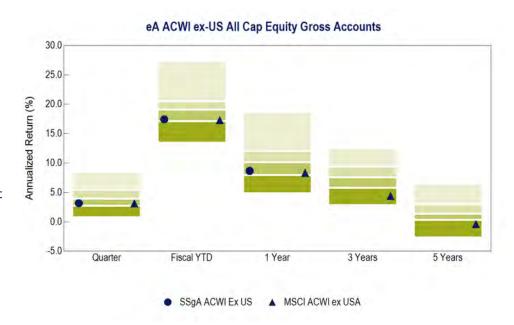


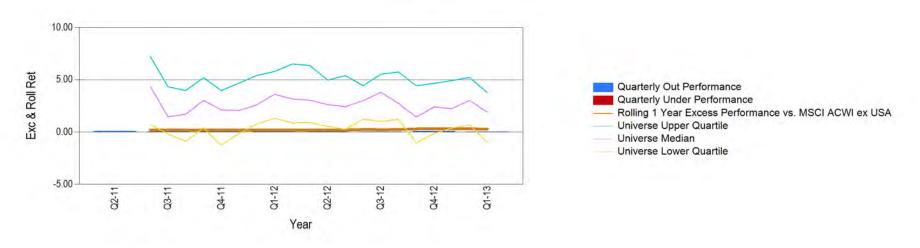
		Returns and	Weights			Attribution Effects						
	Manager Return	Index Return	Manager Weight	Index Weight	Selection Effect	Allocation Effect	Currency Effect	Interaction Effect	Total Effects			
Totals												
Americas				0.0%		0.0%	0.0%		0.0%			
Europe	0.3%	2.9%	60.5%	65.4%	-2.3%	0.1%	0.8%	0.2%	-1.2%			
Asia/Pacific	10.0%	9.7%	35.7%	34.1%	0.3%	0.1%	-0.4%	0.0%	0.1%			
Other	7.1%	7.2%	2.3%	0.5%	0.0%	-0.1%	0.0%	0.0%	-0.1%			
Cash	0.0%		1.5%	0.0%	0.0%	-0.1%	0.0%	0.0%	-0.1%			
Total	3.9%	5.2%	100.0%	100.0%	-2.0%	0.0%	0.4%	0.2%	-1.3%			
Totals												
Developed	4.0%	5.2%	97.1%	100.0%	-1.5%	0.0%	0.4%	0.0%	-1.1%			
Emerging*	0.2%		1.4%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%			
Cash	0.0%		1.5%	0.0%	0.0%	-0.1%	0.0%	0.0%	-0.1%			



## SSgA ACWI Ex US

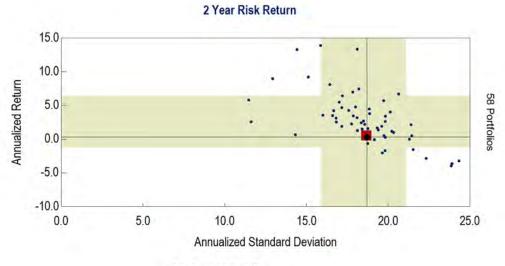
The MSCI ACWI ex US Index Strategy tends to hold each security that is held in the benchmark index, but the strategy will not be perfectly weighted in every index constituent on a daily basis. Holding securities in the perfect weights would require increased trading and therefore would incur costs. Thus, there will be securities in the fund that are either overor 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.







# SSgA ACWI Ex US

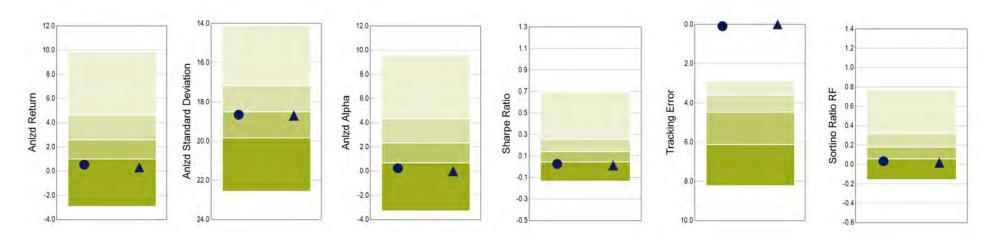


#### **Characteristics**

	Portfolio	MSCI ACWI ex USA
Number of Holdings	1,858	1,827
Weighted Avg. Market Cap. (\$B)	49.3	49.4
Median Market Cap. (\$B)	6.4	6.4
Price To Earnings	16.5	16.9
Price To Book	2.8	2.3
Price To Sales	2.0	1.8
Return on Equity (%)	16.0	15.1
Yield (%)	3.1	3.0
Beta		1.0
R-Squared		1.0

- SSgA ACWI Ex US MSCI ACWI ex USA
- 68% Confidence Interval
- eA ACWI ex-US All Cap Equity Gross

#### **2 Year Risk Statistics**





# SSgA ACWI Ex US

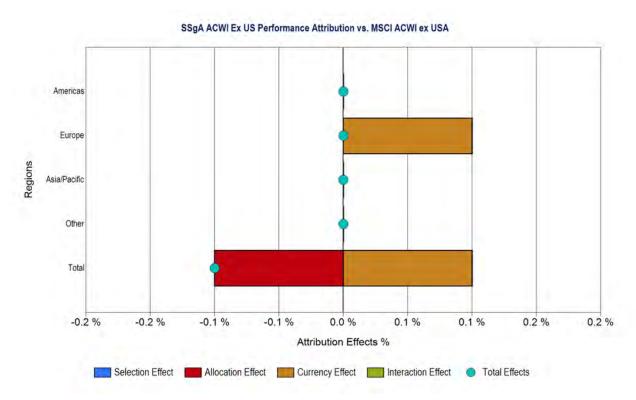
## **Country Allocation**

	Manager	Index	Manager	Index
	Allocation (USD)	Allocation (USD)	Return (USD)	Return (USD)
Americas				
Brazil*	3.0%	3.0%	-0.8%	-0.8%
Canada	7.5%	7.7%	0.9%	1.0%
Chile*	0.4%	0.4%	4.5%	4.5%
Colombia*	0.3%	0.3%	-6.5%	-6.5%
Mexico*	1.2%	1.2%	6.1%	6.1%
Peru*	0.1%	0.1%	-2.5%	-2.6%
United States	0.0%	0.0%	-8.7%	10.5%
Total-Americas	12.7%	12.8%	0.9%	1.0%
Europe				
Austria	0.2%	0.2%	-4.6%	-4.6%
Belgium	0.8%	0.8%	8.9%	8.9%
Czech Republic*	0.1%	0.1%	-14.1%	-14.1%
Denmark	0.8%	0.8%	4.3%	4.3%
Finland	0.5%	0.5%	3.0%	3.0%
France	6.3%	6.5%	0.6%	0.6%
Germany	5.9%	6.0%	0.5%	0.5%
Greece	0.1%	0.0%	14.0%	14.0%
Hungary*	0.1%	0.1%	-6.6%	-6.6%
Ireland	0.1%	0.2%	13.3%	12.9%
Italy	1.4%	1.5%	-10.1%	-9.8%
Luxembourg	0.1%	0.0%	1.5%	3.2%
Netherlands	1.7%	1.7%	2.6%	2.6%
Norway	0.6%	0.6%	0.4%	0.4%
Poland*	0.4%	0.4%	-11.6%	-11.6%
Portugal	0.1%	0.1%	-0.3%	-0.3%
Russia*	1.4%	1.4%	-4.8%	-3.2%
Spain	2.0%	2.1%	-5.7%	-5.4%
Sweden	2.1%	2.1%	10.1%	9.8%
Switzerland	5.8%	5.9%	11.7%	11.7%
United Kingdom	15.1%	15.4%	2.6%	2.5%
Total-Europe	45.6%	46.5%	2.5%	2.5%

## **Country Allocation**

	Manager	Index	Manager	Index
	Allocation (USD)	Allocation (USD)	Return (USD)	Return (USD)
AsiaPacific				
Australia	6.0%	6.1%	9.1%	9.1%
China*	4.3%	4.4%	-4.5%	-4.5%
Hong Kong	2.2%	2.1%	3.4%	3.5%
India*	1.6%	1.6%	-2.5%	-2.5%
Indonesia*	0.6%	0.6%	13.4%	13.4%
Japan	13.4%	13.6%	11.6%	11.6%
Korea*	3.6%	3.7%	-4.1%	-4.1%
Malaysia*	0.8%	0.8%	-0.9%	-0.9%
New Zealand	0.1%	0.1%	11.0%	11.0%
Philippines*	0.2%	0.2%	19.0%	19.0%
Singapore	1.3%	1.3%	2.9%	2.9%
Taiwan*	2.5%	2.6%	-0.2%	-0.2%
Thailand*	0.6%	0.6%	13.4%	10.1%
Total-AsiaPacific	37.1%	37.8%	5.4%	5.4%
Other				
Egypt*	0.1%	0.1%	-12.7%	-12.7%
Israel	0.4%	0.4%	7.2%	7.2%
Morocco*	0.0%	0.0%	-2.9%	-3.0%
South Africa*	1.9%	1.9%	-8.9%	-8.9%
Turkey*	0.5%	0.5%	8.3%	8.3%
Total-Other	2.8%	2.8%	-3.9%	-3.9%
Totals				
Developed	74.4%	75.9%	4.8%	4.8%
Emerging*	23.8%	24.1%	-1.7%	-1.7%
Other	0.0%		-	
Cash	1.8%		0.0%	





		Returns and	Weights		Attribution Effects						
	Manager Return	Index Return	Manager Weight	Index Weight	Selection Effect	Allocation Effect	Currency Effect	Interaction Effect	Total Effects		
Totals											
Americas	0.9%	1.0%	12.7%	12.8%	0.0%	0.0%	0.0%	0.0%	0.0%		
Europe	2.5%	2.5%	45.6%	46.5%	0.0%	0.0%	0.1%	0.0%	0.0%		
Asia/Pacific	5.4%	5.4%	37.1%	37.8%	0.0%	0.0%	0.0%	0.0%	0.0%		
Other	-3.9%	-3.9%	2.8%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%		
Cash	0.0%		1.8%	0.0%	0.0%	-0.1%	0.0%	0.0%	-0.1%		
Total	3.2%	3.2%	100.0%	100.0%	0.0%	-0.1%	0.1%	0.0%	-0.1%		
Totals											
Developed	4.8%	4.8%	74.4%	75.9%	0.0%	0.0%	0.1%	0.0%	0.0%		
Emerging*	-1.7%	-1.7%	23.8%	24.1%	0.0%	0.0%	0.0%	0.0%	0.0%		
Cash	0.0%		1.8%	0.0%	0.0%	-0.1%	0.0%	0.0%	-0.1%		



# 9a Yf[]b['A Uf\_Yh'9ei ]hm



## 3 Years Ending March 31, 2013

	% of Tot	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Anlzd AJ	Rank	Tracking Error	Rank	Sortino Ratio RF	Rank	Down Mkt Cap Ratio	Rank
Emerging Market Comp	6.41%												
MSCI Emerging Markets													
Aberdeen	6.41%	11.67%	6	18.85%	13	8.81%	6	4.78%	57	0.90	5	74.85%	9
MSCI Emerging Markets		3.28%	68	21.12%	52	0.00%	69	0.00%	1	0.23	66	100.00%	63

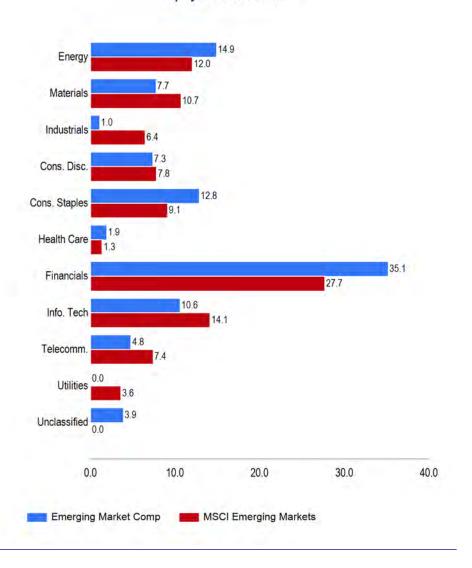
## 5 Years Ending March 31, 2013

	% of Tot	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Anlzd AJ	Rank	Tracking Error	Rank	Sortino Ratio RF	Rank	Down Mkt Cap Ratio	Rank
Emerging Market Comp	6.41%												
MSCI Emerging Markets													
Aberdeen	6.41%	10.61%	4	25.48%	8	9.61%	4	5.78%	68	0.54	3	87.39%	7
MSCI Emerging Markets		1.09%	70	28.19%	50	0.00%	70	0.00%	1	0.04	70	100.00%	62

#### **Equity Characteristics**

	Portfolio MS	CI Emerging Markets
Number of Holdings	67	823
Weighted Avg. Market Cap. (\$B)	35.2	36.1
Median Market Cap. (\$B)	19.5	4.6
Price To Earnings	18.4	15.9
Price To Book	3.3	2.5
Price To Sales	3.0	2.1
Return on Equity (%)	21.9	18.4
Yield (%)	2.6	2.7
Beta		1.0
R-Squared		1.0

#### **Equity Sector Allocation**





#### **Top Positive Contributors**

#### **Top Negative Contributors**

Top Ten Holdings	
SAMSUNG ELTN.PREF.	4.3%
CASH - USD	3.8%
CHINA MOBILE	3.6%
TAIWAN SEMICON.MNFG.	3.3%
PTRO.BRAO.ADR 1:2	3.2%
BNC.BRADESCO PF.SPN.ADR 1:1	3.2%
ASTRA INTERNATIONAL	3.1%
GRF.BANORTE 'O' (OTC)	3.0%
FOM.ECO.MEXNO.SAB DE CV SPN.ADR 1:10	3.0%
INFOSYS	2.9%

	Relative	
	Contribution %	Return %
GFNORTE 'O'	0.6%	24.7%
INFOSYS	0.5%	25.6%
AYALA LAND	0.4%	25.0%
FOM.ECO.MEXNO.SAB DE CV SPN.ADR 1:10	0.4%	12.7%
ULTRAPAR PARTP.ON NM	0.3%	13.5%
BNC.BRADESCO PF.SPN.ADR 1:1	0.3%	8.1%
GRUPO AEROPORTUARIO DEL SURESTE ADR 1:10	0.2%	19.9%
AIA GROUP	0.2%	12.2%
SABMILLER (JSE)	0.2%	15.3%
BANK OF THE PHILP.ISLE.	0.2%	16.5%

Top Hegative Cont	iibutois	
	Relative	
	Contribution %	Return %
VALE PREFERRED ADR 1:1	-0.6%	-18.5%
TRUWORTHS INTL.	-0.5%	-21.6%
HERO MOTOCORP	-0.3%	-18.2%
PTRO.BRAO.ADR 1:2	-0.2%	-6.0%
CHINA MOBILE	-0.2%	-9.1%
BANK POLSKA KASA OPIEKI	-0.2%	-10.8%
RICHTER GEDEON	-0.2%	-14.5%
PETROCHINA 'H'	-0.2%	-7.4%
LUKOIL OAO SPN.ADR 1:1	-0.1%	-4.4%
GRASIM INDUSTRIES	-0.1%	-10.5%

## **Equity Sector Attribution**

			Attribution Effects		F	Returns	Sect	ector Weights	
	Total Effects	Selection Effect			Portfolio	Benchmark	Portfolio	Benchmark	
	Liloto	Lilot	Lilott	Effects	1 Ortiono	Bonominan	1 01110110	Denominant	
Energy	0.5%	0.3%	-0.1%	0.3%	-1.6%	-5.9%	15.4%	12.5%	
Materials	0.6%	0.0%	0.4%	0.2%	-8.1%	-10.1%	7.4%	11.7%	
Industrials	0.3%	1.1%	0.0%	-0.8%	17.7%	17.7% -1.2%	1.4%	6.5%	
Cons. Disc.	-0.5%	-0.5%	0.0%	0.0%	-8.5%	-2.5%	-2.5% 8.3%	7.9%	
Cons. Staples	0.2%	0.3%	0.1%	-0.2%	2.8%	1.9%	12.0%	8.8%	
Health Care	-0.2%	-0.1%	0.0%	-0.1%	-9.5%	2.7%	2.1%	1.3%	
Financials	1.7%	0.8%	0.3%	0.5%	6.0%	1.9%	35.3%	26.5%	
Info. Tech	0.4%	0.6%	-0.1%	0.0%	5.5%	0.9%	10.2%	13.8%	
Telecomm.	-0.1%	-0.3%	0.1%	0.1%	-8.8%	-4.9%	5.0%	7.7%	
Utilities	-0.1%		-0.1%			2.0%	0.0%	3.4%	
Cash	0.0%	0.0%	0.0%	0.0%	0.0%		3.0%	0.0%	
Portfolio	2.8%	= 2.3%	+ 0.5%	+ 0.0%	1.1%	-1.7%	100.0%	100.0%	



## **Country Allocation**

	Manager	Index	Manager	Index
	Allocation (USD)	Allocation (USD)	Return (USD)	Return (USD)
Americas				
Brazil*	16.3%	12.6%	-1.4%	-0.8%
Canada	0.0%	0.0%		
Chile*	1.5%	1.8%	-0.1%	4.5%
Colombia*	0.0%	1.3%		-6.5%
Mexico*	8.3%	5.2%	17.2%	6.1%
Peru*	0.0%	0.6%		-2.6%
United States	0.0%	0.0%		
Total-Americas	26.0%	21.4%	4.6%	0.9%
Europe				
Austria	0.0%	0.0%		
Belgium	0.0%	0.0%		
Czech Republic*	0.0%	0.3%		-14.1%
Denmark	0.0%	0.0%		
Finland	0.0%	0.0%		
France	0.0%	0.0%		
Germany	0.0%	0.0%		
Greece	0.0%	0.0%		
Hungary*	1.5%	0.2%	-14.4%	-6.6%
Ireland	0.0%	0.0%		
Italy	0.0%	0.0%		
Luxembourg	2.3%	0.0%	-2.7%	-1.7%
Netherlands	0.0%	0.0%		
Norway	0.0%	0.0%		
Poland*	1.8%	1.5%	-10.8%	-11.6%
Portugal	0.0%	0.0%		
Russia*	3.0%	6.0%	-4.4%	-3.2%
Spain	0.0%	0.0%		
Sweden	0.0%	0.0%		
Switzerland	0.0%	0.0%		
United Kingdom	4.6%	0.0%	5.6%	2.5%
Total-Europe	13.2%	8.0%	-2.6%	-5.3%

# Country Allocation Versus MSCI Emerging Markets - Quarter Ending March 31, 2013

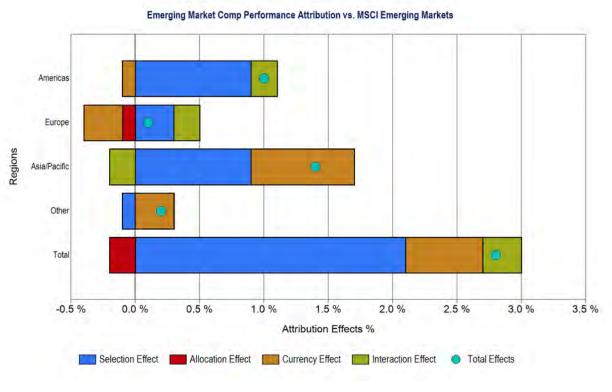
	Manager	Index	Manager	Index
	Allocation (USD)	Allocation (USD)		Return (USD)
AsiaPacific				
Australia	0.0%	0.0%		
China*	6.6%	18.3%	-8.4%	-4.5%
Hong Kong	6.8%	0.0%	4.8%	3.5%
India*	10.9%	6.6%	0.2%	-2.5%
Indonesia*	2.9%	2.6%	3.1%	13.4%
Japan	0.0%	0.0%		
Korea*	5.5%	15.3%	-2.8%	-4.1%
Malaysia*	2.4%	3.5%	-0.5%	-0.9%
New Zealand	0.0%	0.0%		
Philippines*	3.1%	0.9%	21.0%	19.0%
Singapore	0.0%	0.0%		
Sri Lanka*	0.4%	0.0%	9.1%	-1.7%
Taiwan*	4.5%	10.6%	-1.6%	-0.2%
Thailand*	5.5%	2.5%	4.9%	10.1%
Total-AsiaPacific	48.6%	60.4%	1.2%	-1.5%
Other				
Egypt*	0.0%	0.3%		-12.7%
Israel	0.0%	0.0%		
Morocco*	0.0%	0.1%		-3.0%
South Africa*	3.7%	7.7%	-16.4%	-8.9%
Turkey*	5.6%	2.0%	4.2%	8.3%
Total-Other	9.2%	10.1%	-4.0%	-5.6%
Totals				
Developed	13.7%	0.0%	3.8%	
Emerging*	83.3%	100.0%	0.7%	-1.7%
Other	0.0%		-	
Cash	3.0%		0.0%	

#### **International Equity Performance Attribution**

#### **International Equity Performance Attribution**

	_			quity Per	normanice At					international Equity Performance Attribution									
	R	eturns and	d Weights				bution Effec				R	eturns and	-			Attril	bution Effec	:ts	
	Manager	Index	Manager	Index	Selection A	llocation	Currency Ir	nteraction	Total		Manager	Index	Manager	Index	Selection A	Allocation	Currency Ir	iteraction	Total
	Return	Return	Weight	Weight	Effect	Effect	Effect	Effect	Effects		Return	Return	Weight	Weight	Effect	Effect	Effect	Effect	Effects
Europe										AsiaPacific									
Austria			0.0%	0.0%	-		0.0%		0.0%	Australia			0.0%	0.0%		-	0.0%		0.0%
Belgium			0.0%	0.0%			0.0%		0.0%	China*	-8.4%	-4.5%	6.6%	18.3%	-0.7%	0.4%	0.0%	0.5%	0.2%
Czech		-14.1%	0.0%	0.3%		0.0%	0.0%		0.0%	Hong Kong	4.8%	3.5%	6.8%	0.0%	0.0%	0.3%	0.0%	0.1%	0.4%
Republic*										India*	0.2%	-2.5%	10.9%	6.6%	0.2%	-0.1%	0.0%	0.1%	0.2%
Denmark			0.0%	0.0%			0.0%		0.0%	Indonesia*	3.1%	13.4%	2.9%	2.6%	-0.3%	0.0%	0.0%	0.0%	-0.3%
Finland			0.0%	0.0%	-		0.0%		0.0%	Japan			0.0%	0.0%			0.0%		0.0%
France			0.0%	0.0%			0.0%		0.0%	Korea*	-2.8%	-4.1%	5.5%	15.3%	0.2%	0.0%	0.4%	-0.1%	0.4%
Germany			0.0%	0.0%	-		0.0%		0.0%	Malaysia*	-0.5%	-0.9%	2.4%	3.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Greece			0.0%	0.0%			0.0%		0.0%	New Zealand			0.0%	0.0%			0.0%		0.0%
Hungary*	-14.4%	-6.6%	1.5%	0.2%	0.0%	0.0%	-0.1%	-0.1%	-0.2%	Philippines*	21.0%	19.0%	3.1%	0.9%	0.0%	0.4%	0.0%	0.0%	0.5%
Ireland			0.0%	0.0%			0.0%		0.0%	Singapore			0.0%	0.0%			0.0%		0.0%
Italy			0.0%	0.0%	-		0.0%		0.0%	Taiwan*	-1.6%	-0.2%	4.5%	10.6%	-0.1%	-0.2%	0.2%	0.1%	-0.1%
Netherlands			0.0%	0.0%			0.0%		0.0%	Thailand*	4.9%	10.1%	5.5%	2.5%	-0.1%	0.2%	0.1%	-0.1%	0.0%
Norway			0.0%	0.0%			0.0%		0.0%	Other									
Poland*	-10.8%	-11.6%	1.8%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	Egypt*		-12.7%	0.0%	0.3%		0.0%	0.0%		0.0%
Portugal	4 40/		0.0%	0.0%			0.0%		0.0%	Israel			0.0%	0.0%			0.0%		0.0%
Russia*	-4.4%	-3.2%	3.0%	6.0%	-0.2%	0.0%	0.1%	0.1%	0.0%	Morocco*		-3.0%	0.0%	0.1%		0.0%	0.0%		0.0%
Spain			0.0%	0.0%	-		0.0%		0.0%	South Africa*	-16.4%	-8.9%	3.7%	7.7%	-0.6%	0.0%	0.3%	0.3%	0.1%
Sweden			0.0%	0.0%			0.0%		0.0%	Turkey*	4.2%	8.3%	5.6%	2.0%	-0.1%	0.4%	-0.1%	-0.2%	0.1%
Switzerland			0.0%	0.0%			0.0%		0.0%	Other		0.0%		0.0%					
United Kingdom	5.6%	2.5%	4.6%	0.0%	0.0%	0.5%	-0.4%	0.2%	0.3%	Countries*									
Americas										Totals Developed	3.8%		13.7%	0.0%	0.0%	0.0%	-0.4%	1.0%	0.6%
Brazil*	-1.4%	-0.8%	16.3%	12.6%	0.0%	-0.1%	-0.1%	0.0%	-0.1%	Emerging*	0.7%	-1.7%	83.3%	100.0%	1.4%	0.0%	1.0%	-0.2%	2.1%
Canada			0.0%	0.0%			0.0%		0.0%	Cash	0.0%	-1.7 /0	3.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Chile*	-0.1%	4.5%	1.5%	1.8%	-0.1%	0.0%	0.0%	0.0%	-0.1%	Oddii	0.070		0.070	0.070	0.070	0.070	0.070	0.070	0.070
Colombia*		-6.5%	0.0%	1.3%		0.0%	0.0%		0.1%										
Mexico*	17.2%	6.1%	8.3%	5.2%	0.7%	0.0%	0.0%	0.4%	1.1%										
Peru*		-2.6%	0.0%	0.6%		0.0%	0.0%		0.0%										
United States			0.0%	0.0%			0.0%		0.0%										

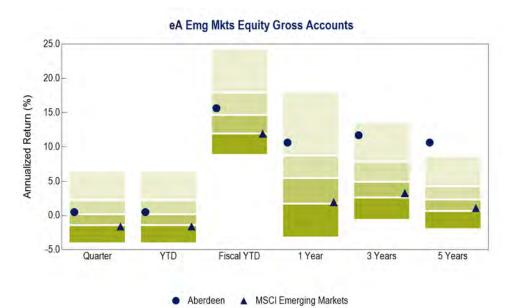


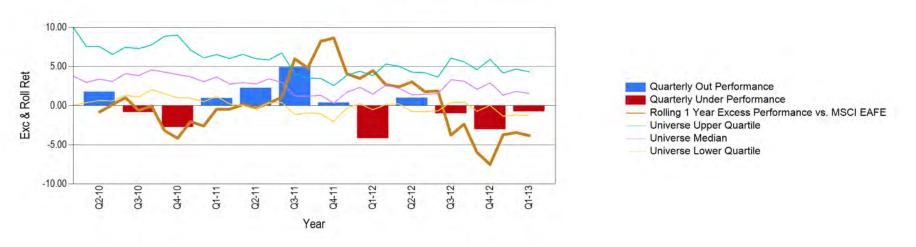


		Returns and \	Weights		Attribution Effects						
	Manager Return	Index Return	Manager Weight	Index Weight	Selection Effect	Allocation Effect	Currency Effect	Interaction Effect	Total Effects		
Totals											
Americas	4.6%	0.9%	26.0%	21.4%	0.9%	0.0%	-0.1%	0.2%	1.0%		
Europe	-2.6%	-5.3%	13.2%	8.0%	0.3%	-0.1%	-0.3%	0.2%	0.1%		
Asia/Pacific	1.2%	-1.5%	48.6%	60.4%	0.9%	0.0%	0.8%	-0.2%	1.4%		
Other	-4.0%	-5.6%	9.2%	10.1%	-0.1%	0.0%	0.3%	0.0%	0.2%		
Cash	0.0%		3.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		
Total	1.1%	-1.7%	100.0%	100.0%	2.1%	-0.2%	0.6%	0.3%	2.8%		
Totals											
Developed	3.8%		13.7%	0.0%	0.0%	0.0%	-0.4%	1.0%	0.6%		
Emerging*	0.7%	-1.7%	83.3%	100.0%	1.4%	0.0%	1.0%	-0.2%	2.1%		
Cash	0.0%		3.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		

## Aberdeen

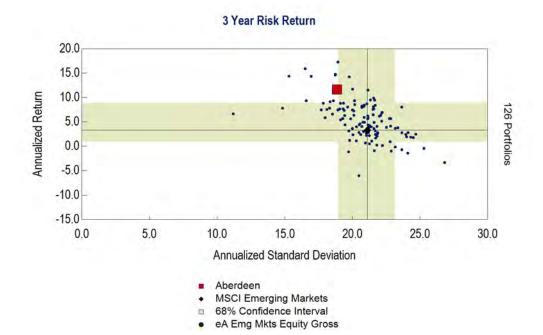
Aberdeen believes, given the inefficiency of markets, that competitive long-term returns are achieved by identifying high quality stocks at attractive valuations and holding for the long term. It is their belief that sound fundamentals drive stock prices over time. They employ a fundamental bottom-up 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.







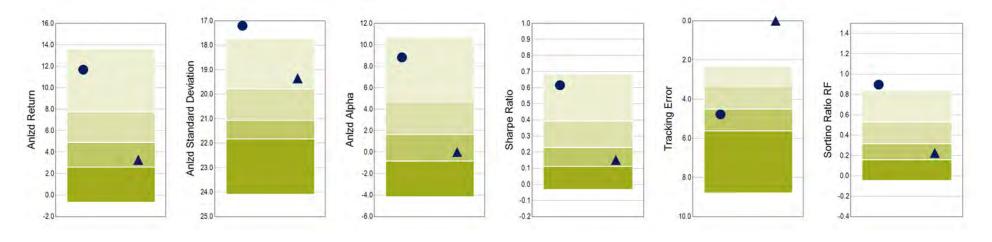
## Aberdeen



#### **Characteristics**

	Portfolio	MSCI Emerging Markets
Number of Holdings	66	823
Weighted Avg. Market Cap. (\$B)	35.2	36.1
Median Market Cap. (\$B)	19.5	4.6
Price To Earnings	18.4	15.9
Price To Book	3.3	2.5
Price To Sales	3.0	2.1
Return on Equity (%)	21.9	18.4
Yield (%)	2.6	2.7
Beta		1.0
R-Squared		1.0

#### **3 Year Risk Statistics**

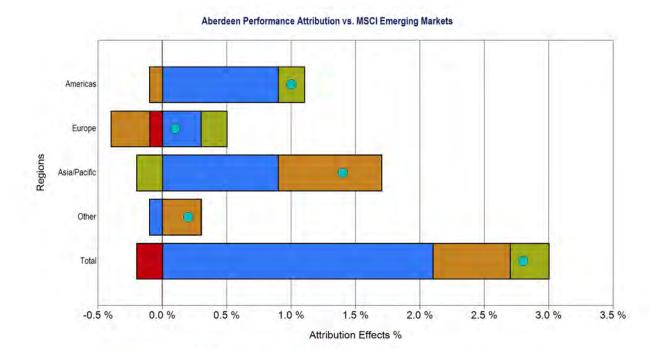




# Aberdeen

	Country Alloca Manager Allocation (USD) Alloca	Index	Manager Return (USD)	Index Return (USD)		Country Allo Manager Allocation (USD) Al	Index	Manager Return (USD)	Index Return (USD)
Americas		(		(3.2.)	AsiaPacific		(3.2.7)		( ,
Brazil*	16.3%	12.6%	-1.4%	-0.8%	Australia	0.0%	0.0%		
Canada	0.0%	0.0%			China*	6.6%	18.3%	-8.4%	-4.5%
Chile*	1.5%	1.8%	-0.1%	4.5%	Hong Kong	6.8%	0.0%	4.8%	3.5%
Colombia*	0.0%	1.3%		-6.5%	India*	10.9%	6.6%	0.2%	-2.5%
Mexico*	8.3%	5.2%	17.2%	6.1%	Indonesia*	2.9%	2.6%	3.1%	13.4%
Peru*	0.0%	0.6%		-2.6%	Japan	0.0%	0.0%		
United States	0.0%	0.0%			Korea*	5.5%	15.3%	-2.8%	-4.1%
Total-Americas	26.0%	21.4%	4.6%	0.9%	Malaysia*	2.4%	3.5%	-0.5%	-0.9%
Europe					New Zealand	0.0%	0.0%		
Austria	0.0%	0.0%			Philippines*	3.1%	0.9%	21.0%	19.0%
Belgium	0.0%	0.0%			Singapore	0.0%	0.0%		
Czech Republic*	0.0%	0.3%		-14.1%	Sri Lanka*	0.4%	0.0%	9.1%	-1.7%
Denmark	0.0%	0.0%			Taiwan*	4.5%	10.6%	-1.6%	-0.2%
Finland	0.0%	0.0%		-	Thailand*	5.5%	2.5%	4.9%	10.1%
France	0.0%	0.0%			Total-AsiaPacific	48.6%	60.4%	1.2%	-1.5%
Germany	0.0%	0.0%	-	-	Other				
Greece	0.0%	0.0%			Egypt*	0.0%	0.3%		-12.7%
Hungary*	1.5%	0.2%	-14.4%	-6.6%	Israel	0.0%	0.0%		
Ireland	0.0%	0.0%			Morocco*	0.0%	0.1%	-	-3.0%
Italy	0.0%	0.0%	-		South Africa*	3.7%	7.7%	-16.4%	-8.9%
Luxembourg	2.3%	0.0%	-2.7%	-1.7%	Turkey*	5.6%	2.0%	4.2%	8.3%
Netherlands	0.0%	0.0%			Total-Other	9.2%	10.1%	-4.0%	-5.6%
Norway	0.0%	0.0%			Totals				
Poland*	1.8%	1.5%	-10.8%	-11.6%	Developed	13.7%	0.0%	3.8%	
Portugal	0.0%	0.0%			Emerging*	83.3%	100.0%	0.7%	-1.7%
Russia*	3.0%	6.0%	-4.4%	-3.2%	Other	0.0%			
Spain	0.0%	0.0%			Cash	3.0%		0.0%	
Sweden	0.0%	0.0%							
Switzerland	0.0%	0.0%							
United Kingdom	4.6%	0.0%	5.6%	2.5%					
Total-Europe	13.2%	8.0%	-2.6%	-5.3%					





Selection Effect Allocation Effect Currency Effect Interaction Effect Total Effects

		Returns and	Weights		Attribution Effects						
	Manager Return	Index Return	Manager Weight	Index Weight	Selection Effect	Allocation Effect	Currency Effect	Interaction Effect	Total Effects		
Totals											
Americas	4.6%	0.9%	26.0%	21.4%	0.9%	0.0%	-0.1%	0.2%	1.0%		
Europe	-2.6%	-5.3%	13.2%	8.0%	0.3%	-0.1%	-0.3%	0.2%	0.1%		
Asia/Pacific	1.2%	-1.5%	48.6%	60.4%	0.9%	0.0%	0.8%	-0.2%	1.4%		
Other	-4.0%	-5.6%	9.2%	10.1%	-0.1%	0.0%	0.3%	0.0%	0.2%		
Cash	0.0%		3.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		
Total	1.1%	-1.7%	100.0%	100.0%	2.1%	-0.2%	0.6%	0.3%	2.8%		
Totals											
Developed	3.8%		13.7%	0.0%	0.0%	0.0%	-0.4%	1.0%	0.6%		
Emerging*	0.7%	-1.7%	83.3%	100.0%	1.4%	0.0%	1.0%	-0.2%	2.1%		
Cash	0.0%		3.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		



8]j Yfg]Z]YX': ]l YX'=bWta Y

## 3 Years Ending March 31, 2013

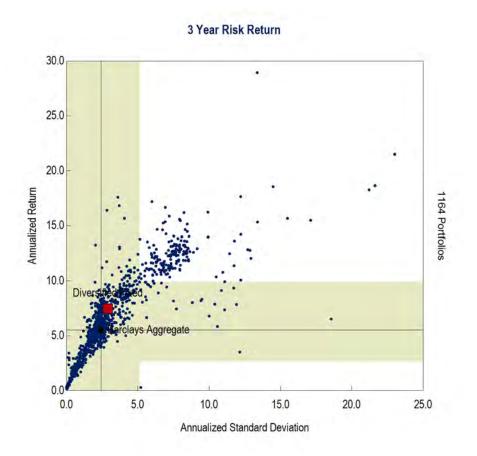
	% of Tot	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Anlzd AJ	Rank	Tracking Error	Rank	Sortino Ratio RF	Rank	Down Mkt Cap Ratio	Rank
Diversified Fixed	17.62%	7.48%	35	2.90%	64	2.31%	33	1.81%	44	6.74	22	77.32%	62
Barclays Aggregate		5.52%	62	2.42%	51	0.00%	86	0.00%	1	4.32	56	100.00%	77
Allianz Structured Alpha	2.41%	9.07%	2	10.97%	99	10.77%	1	13.75%	99	0.65	99	-30.65%	4
Citigroup 10 Year Treasury		9.12%	2	7.01%	99	0.00%	99	0.00%	1	2.60	99	100.00%	99
PIMCO Core Plus	6.40%	7.17%	17	2.67%	79	1.59%	34	1.07%	66	4.28	80	96.65%	68
Barclays Aggregate		5.52%	62	2.42%	51	0.00%	86	0.00%	1	4.32	56	100.00%	77
PIMCO Unconstrained	6.36%												
25% HY, 25% EMD, 50% BC Agg													
Wellington DAS	2.45%	10.82%	1	5.53%	99	5.62%	28	5.29%	1	5.21	58	33.46%	99
Wellington Custom Benchmark		10.05%	1	9.73%	99	0.00%	99	0.00%	1	2.51	99	100.00%	99



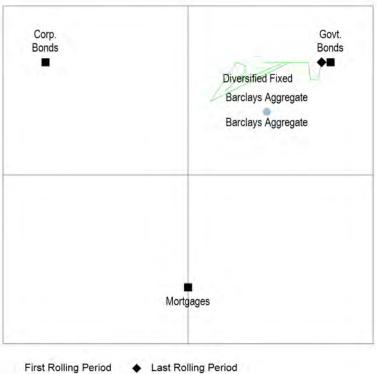
## 5 Years Ending March 31, 2013

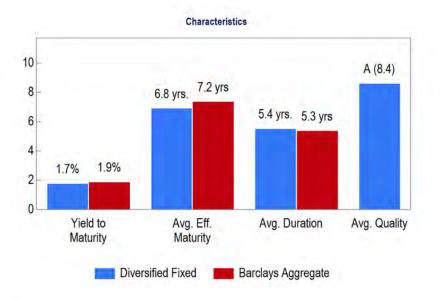
	% of Tot	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Anlzd AJ	Rank	Tracking Error	Rank	Sortino Ratio RF	Rank	Down Mkt Cap Ratio	Rank
Diversified Fixed	17.62%	6.34%	45	6.59%	74	-0.50%	90	4.95%	73	0.81	90	175.51%	89
Barclays Aggregate		5.47%	65	3.53%	44	0.00%	85	0.00%	1	2.39	34	100.00%	69
Allianz Structured Alpha	2.41%	7.46%	10	12.90%	99	6.31%	6	14.81%	99	0.42	99	9.78%	68
Citigroup 10 Year Treasury		6.11%	63	8.77%	99	0.00%	99	0.00%	1	1.22	95	100.00%	99
PIMCO Core Plus	6.40%												
Barclays Aggregate													
PIMCO Unconstrained	6.36%												
25% HY, 25% EMD, 50% BC Agg													
Wellington DAS	2.45%												
Wellington Custom Benchmark				-									

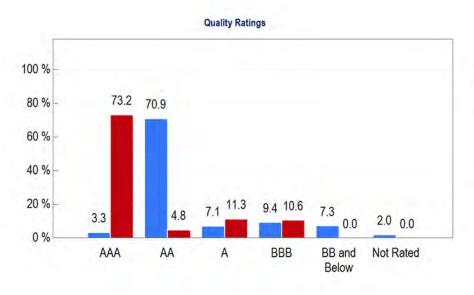


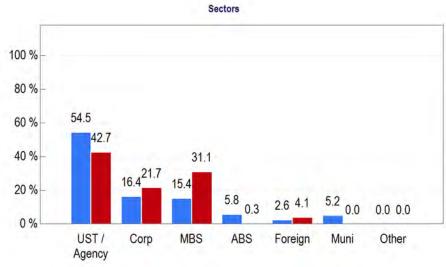


#### 3 Year Style Analysis



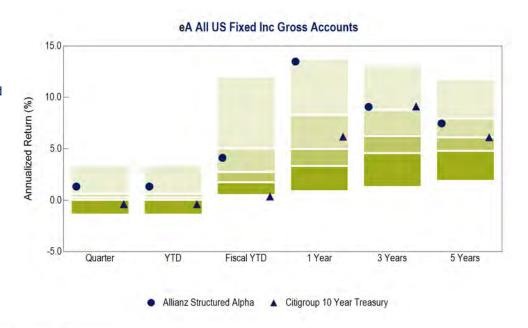


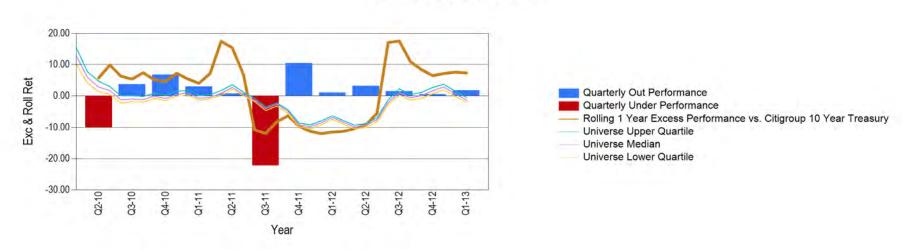




## Allianz Structured Alpha

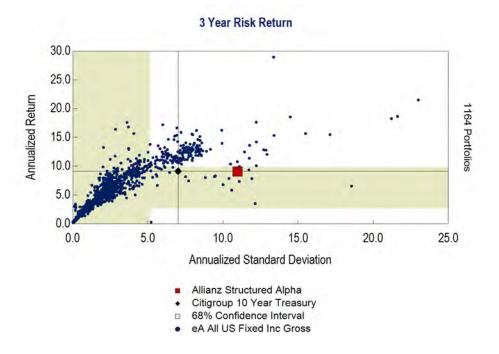
Allianz uses an alpha enhancement strategy that targets a return stream with low or no correlation with the underlying BC Aggregate benchmark. The objective of the fund seeks to deliver 5% net of fees annually on top of the benchmark with a tracking error of 2-4%. The strategy analyzes historical behavior of the S&P 500 Index and develops a distribution of expected returns, then the fund constructions profit zones using puts and calls which at expiration the underlying ends up in the profit zone. Strategies containing the buying or selling of options may produce losses and profits similar to leverage and may exposure the account to risk related to the underlying security and the option itself.



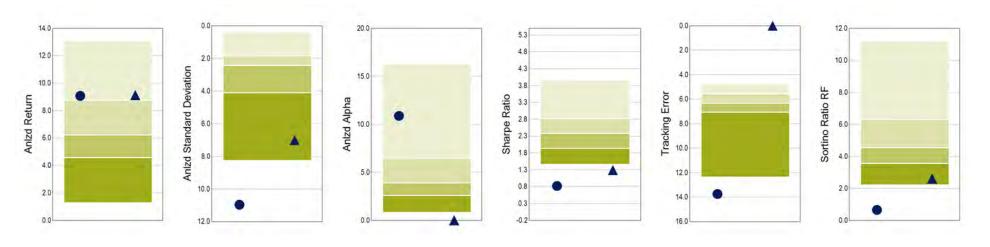




# Allianz Structured Alpha



#### 3 Year Risk Statistics

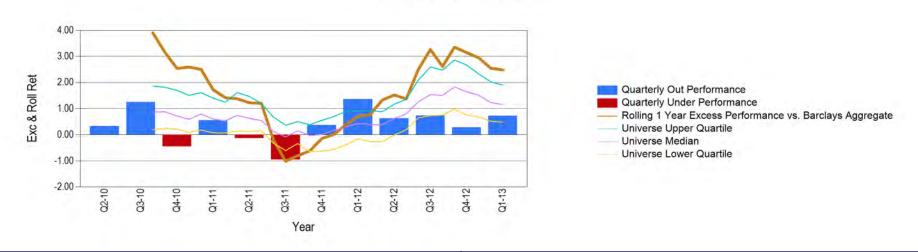




## PIMCO Core Plus

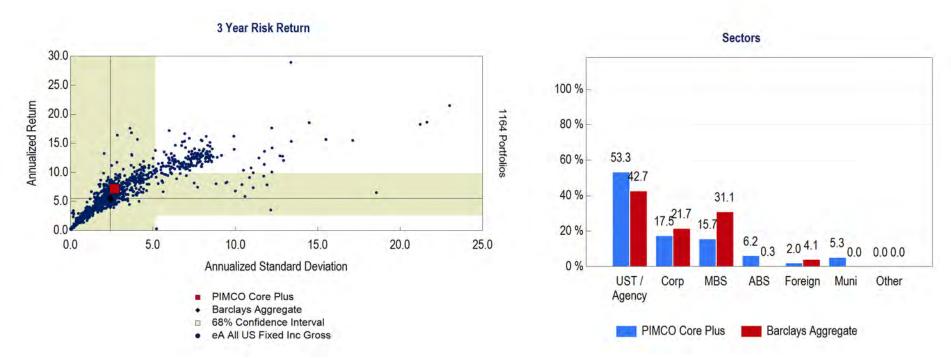
PIMCO's investment process expects to generate above-benchmark returns by building diversified, risk-averse portfolios based upon their long-term secular outlook. This is achieved by analyzing fundamental global trends in such areas as political factors, inflation, volatility, growth, and currency, amongst 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.



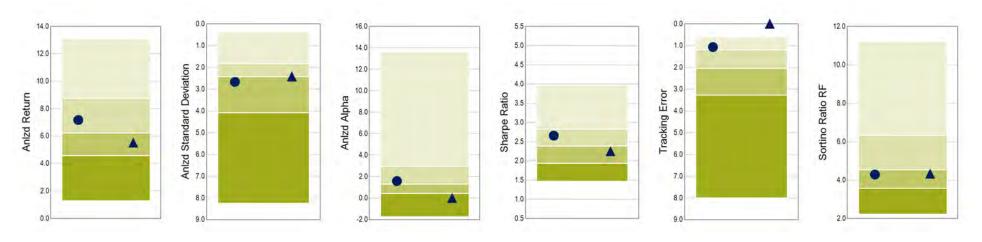




## PIMCO Core Plus



#### **3 Year Risk Statistics**

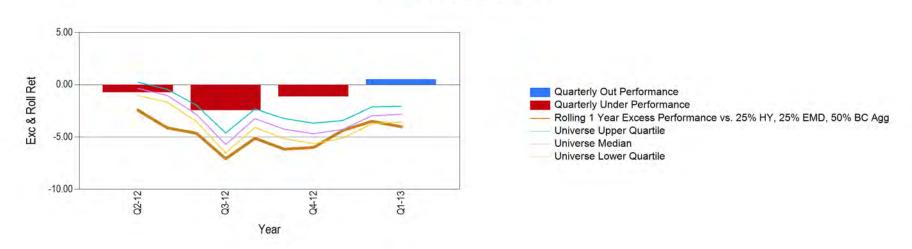




## PIMCO Unconstrained

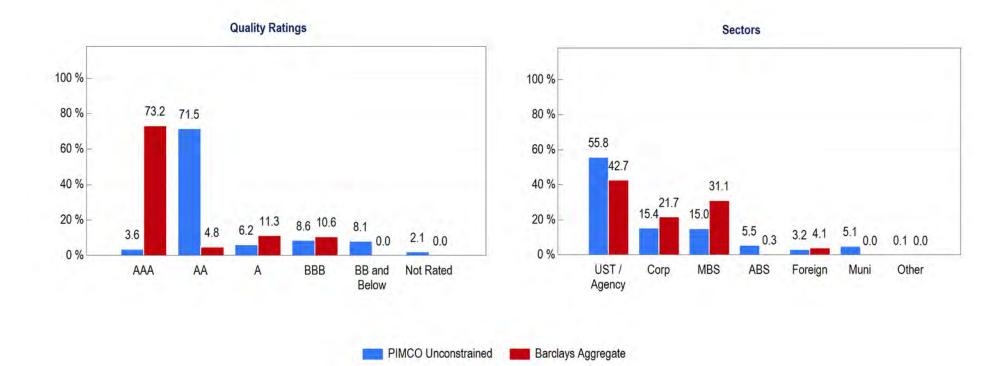
The PIMCO Unconstrained Bond Strategy is an absolute return-oriented, investment grade quality fixed income strategy that embodies PIMCO's secular thinking, global themes, and integrated investment process without the constraints of a benchmark or significant sector/instrument limitations. The strategy 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.







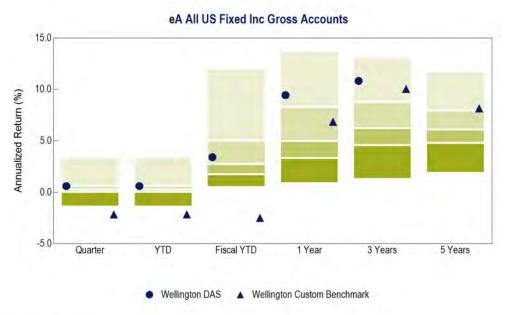
## PIMCO Unconstrained

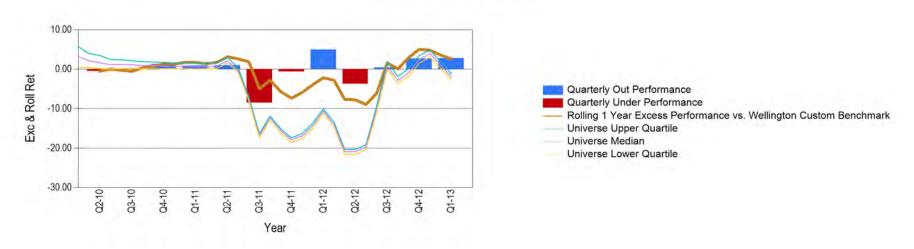




## Wellington DAS

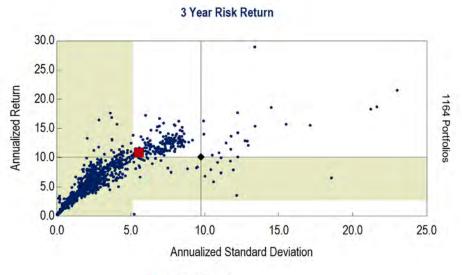
The objective of the Diversified Alpha Strategies - Absolute Return (DAS) Portfolio is to provide positive absolute returns over cash or other market exposure (beta) over rolling 3-year periods with expected volatility of 3 to 6%. The DAS Portfolio aims to provide consistent returns by investing in diverse, market-neutral alpha sources that have low or negative correlations with each other. The mix of alpha sources is rebalanced periodically, and the target mix may change over time. The DAS Portfolio can be combined with desired market (beta) exposure through the use of derivative instruments. Drawing on a diversified basket of alpha sources from across a broad investment universe, rather than a single alpha source, should increase the efficiency of the return/risk ratio and increase the likelihood of achieving consistent returns. For this reason, the DAS Portfolio includes a variety of alpha sources: market neutral equity and fixed income strategies, overlay strategies (currency, fixed income, asset allocation), and long-only equity strategies from which they try to remove structural market risk through short equity index future or swap positions. The allocation to each alpha source is determined in a contribution to risk framework in the context of the expected aggregate DAS Portfolio characteristics. The target weights of the underlying alpha sources have been set using risk budgeting, with a goal of achieving a balanced contribution to risk across the alpha sources, rather than focusing only on the absolute or percent cash allocation.





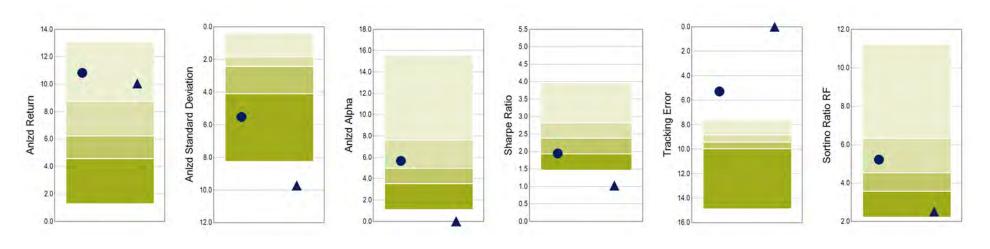


# Wellington DAS



- Wellington DAS
- Wellington Custom Benchmark
- 68% Confidence Interval
- · eA All US Fixed Inc Gross

#### **3 Year Risk Statistics**





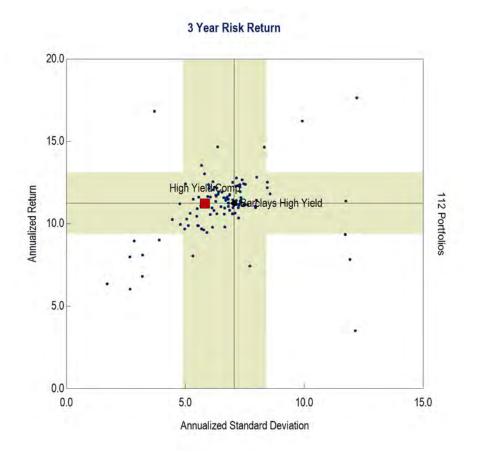


## 3 Years Ending March 31, 2013

	% of Tot	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Anlzd AJ	Rank	Tracking Error	Rank	Sortino Ratio RF	Rank	Down Mkt Cap Ratio	Rank
High Yield Comp	4.05%	11.22%	51	5.82%	26	2.04%	25	1.58%	57	2.90	27	75.90%	26
Barclays High Yield	-	11.24%	51	7.05%	67	0.00%	75	0.00%	1	2.29	68	100.00%	66
Post Advisory	3.03%	11.47%	41	5.78%	24	2.36%	20	1.66%	59	2.90	27	74.95%	25
Barclays High Yield	-	11.24%	51	7.05%	67	0.00%	75	0.00%	1	2.29	68	100.00%	66
KDP	1.03%	9.63%	89	6.16%	36	0.00%	75	1.62%	58	2.32	65	81.37%	36
Barclays High Yield		11.24%	51	7.05%	67	0.00%	75	0.00%	1	2.29	68	100.00%	66

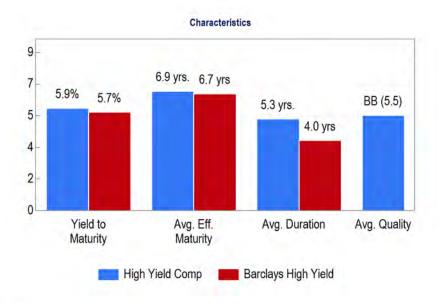
## 5 Years Ending March 31, 2013

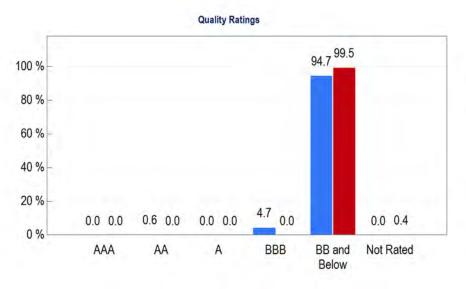
							,						
	% of Tot	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Anlzd AJ	Rank	Tracking Error	Rank	Sortino Ratio RF	Rank	Down Mkt Cap Ratio	Rank
High Yield Comp	4.05%	10.84%	53	10.12%	19	2.67%	19	5.13%	70	0.82	56	70.35%	16
Barclays High Yield	-	11.65%	29	13.98%	89	0.00%	84	0.00%	1	0.77	68	100.00%	86
Post Advisory	3.03%	11.05%	49	10.11%	19	2.89%	15	5.15%	70	0.83	53	70.09%	15
Barclays High Yield		11.65%	29	13.98%	89	0.00%	84	0.00%	1	0.77	68	100.00%	86
KDP	1.03%												
Barclays High Yield													

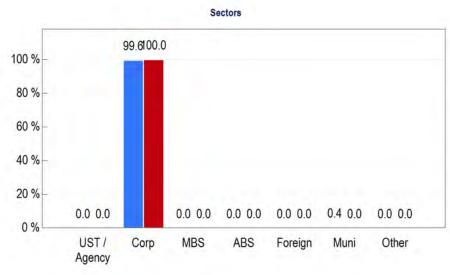


## 3 Year Style Analysis







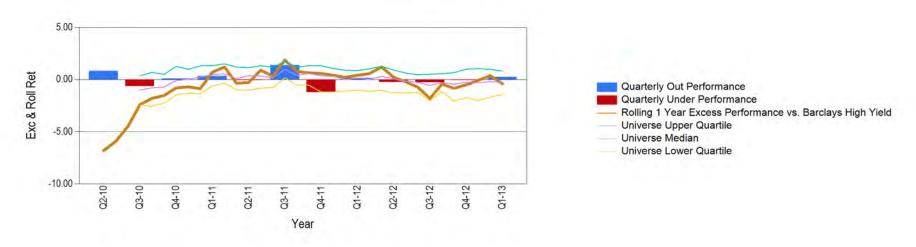


# Post Advisory

Post's team concentrate on under-followed and misunderstood credits as they believe that these securities have the highest probability of being mispriced by the consensus view. They also consider the downside protection afforded by a security. Post believe the downside risk is the most important factor to be aware of. It is through downside protection that they believe they avoid much of the volatility that exists in the high yield market. Their process is quantitative oriented. They generate ideas by looking for companies that are preferably not covered by Wall St. Having found a company they apply a value scoring model to review the issue. They look at both quantitative and qualitative factors, with the different factors being given different weights, although all factors apply across all industries to allow them to standardize. The most important quantitative factor is free cash flow and the most important qualitative factor is the management team and corporate structure. That said, the factors do gradually change over time, this is a result of constantly reviewing the model.



#### Annualized Excess Performance



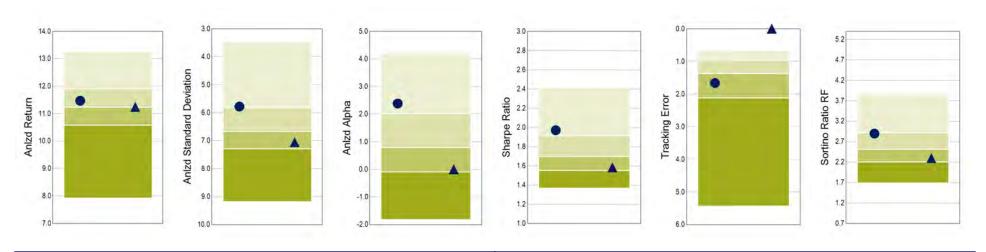


# Post Advisory



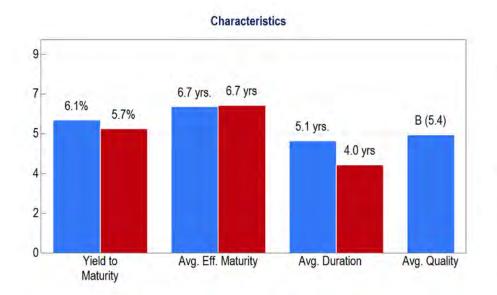
- 68% Confidence Interval
- eA US High Yield Fixed Inc Gross

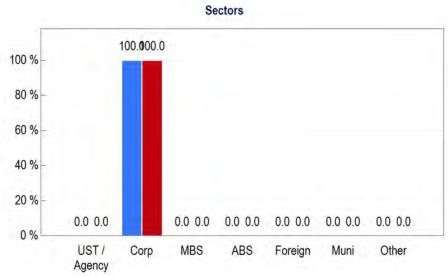
## **3 Year Risk Statistics**





# Post Advisory





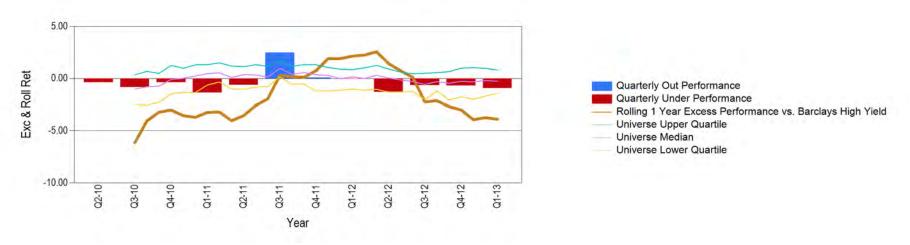


## **KDP**

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.

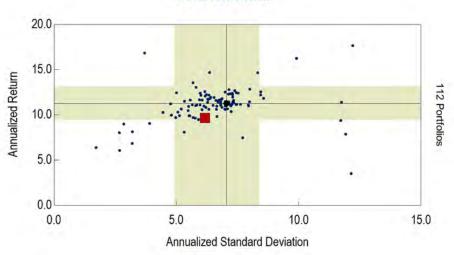


#### **Annualized Excess Performance**



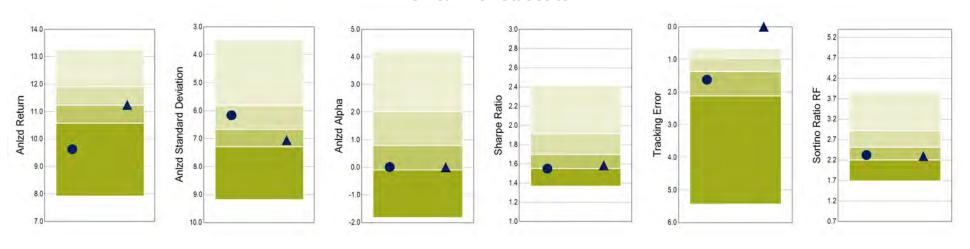


## 3 Year Risk Return

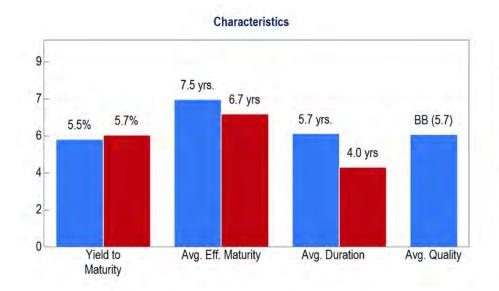


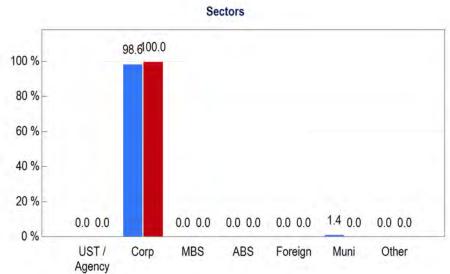
- KDP
- Barclays High Yield
- 68% Confidence Interval eA US High Yield Fixed Inc Gross

## **3 Year Risk Statistics**









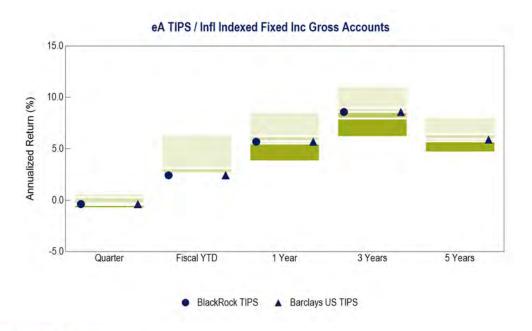
KDP Barclays High Yield



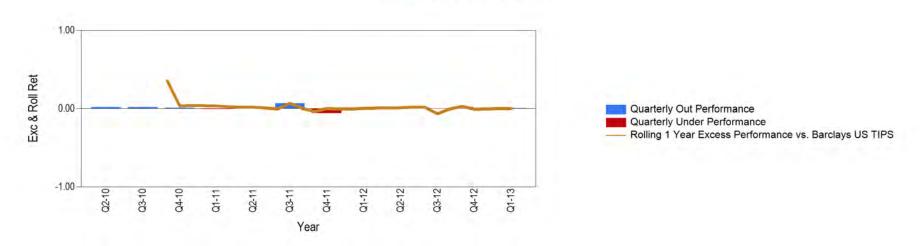


# BlackRock TIPS

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%.

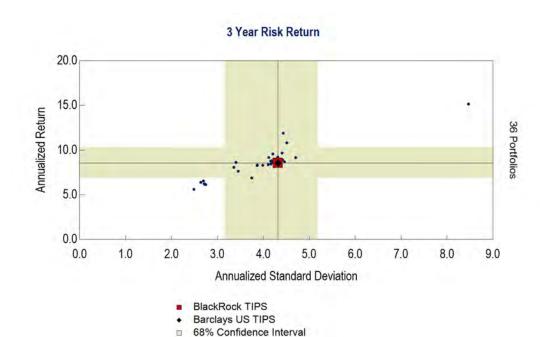


#### **Annualized Excess Performance**

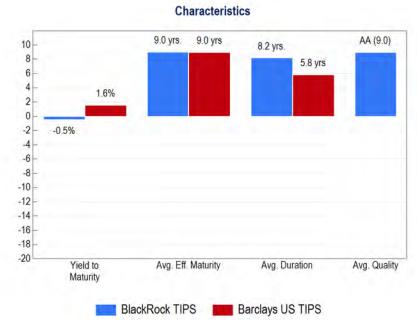


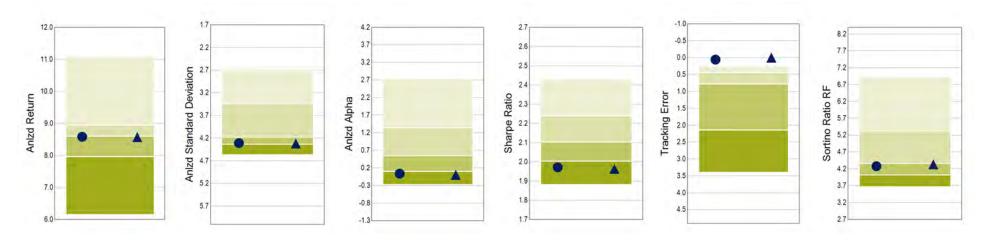


# BlackRock TIPS



eA TIPS / Infl Indexed Fixed Inc Gross





**3 Year Risk Statistics** 





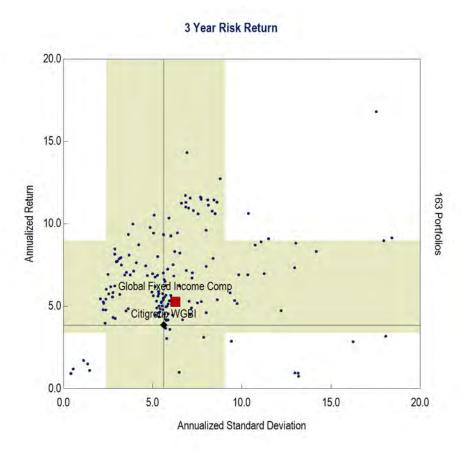
# 3 Years Ending March 31, 2013

	% of Tot	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Anlzd AJ	Rank	Tracking Error	Rank	Sortino Ratio RF	Rank	Down Mkt Cap Ratio	Rank
Global Fixed Income Comp	2.74%	5.27%	67	6.27%	63	1.26%	78	2.26%	19	1.46	52	104.57%	83
Citigroup WGBI	-	3.86%	91	5.63%	46	0.00%	92	0.00%	1	0.97	81	100.00%	82
Mondrian GFI	2.74%	3.81%	91	6.33%	63	-0.40%	94	1.58%	7	0.88	86	117.31%	87
Citiaroup WGBI		3.86%	91	5.63%	46	0.00%	92	0.00%	1	0.97	81	100.00%	82

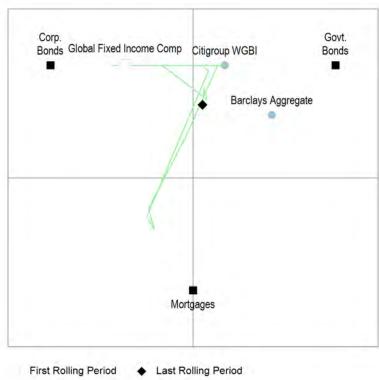
## 5 Years Ending March 31, 2013

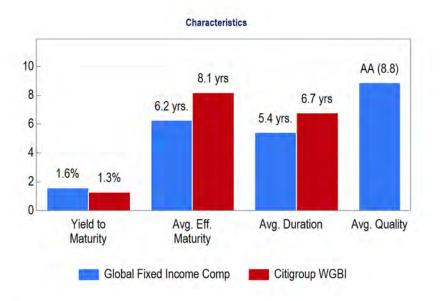
	% of Tot	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Anlzd AJ	Rank	Tracking Error	Rank	Sortino Ratio RF	Rank	Down Mkt Cap Ratio	Rank
Global Fixed Income Comp	2.74%	5.41%	47	8.32%	60	2.73%	54	4.16%	33	0.98	35	99.12%	81
Citigroup WGBI		2.77%	91	7.48%	39	0.00%	92	0.00%	1	0.51	81	100.00%	81
Mondrian GFI	2.74%	4.17%	69	7.56%	44	1.49%	72	2.28%	8	0.85	45	99.94%	81
Citiaroup WGBI		2.77%	91	7.48%	39	0.00%	92	0.00%	1	0.51	81	100.00%	81



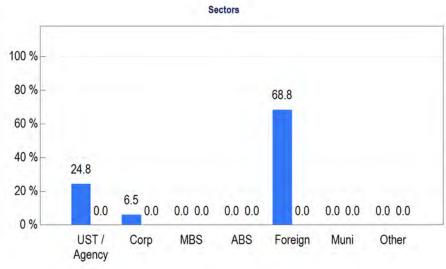


## 3 Year Style Analysis







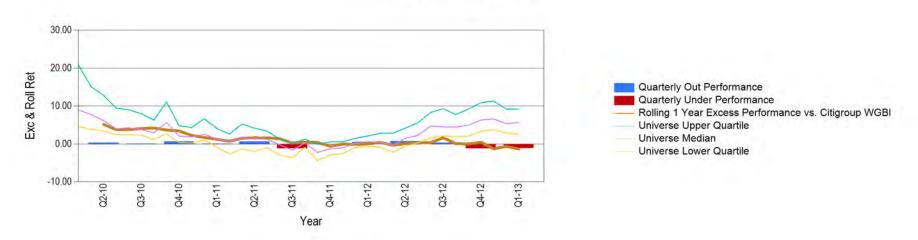


# Mondrian GFI

Bond yield for each market minus Mondrian's inflation forecast for that country. Mondrian will consider investing in the government debt of all countries within the Citigroup World Government Bond Index and other developed world bond markets. Within the emerging world most countries are researched and will include dollar denominated and local currency issuers. Mondrian's bond universe is constructed by selecting a range of bonds from the aforementioned regions at varying maturities, according to Mondrian's credit, liquidity and other specific criteria. A total of 150-200 issues are followed closely, although this list is not intended to be exhaustive. Mondrian bases its duration strategy on the size of potential long term "real" returns in a country's local market. This approach means that in practice, portfolio durations change gradually over time, and that Mondrian does not attempt to anticipate frequent interest rate changes. Mondrian's Credit Committee, chaired by John Kirk is responsible for sector recommendations in the various international markets. Each sector is assigned a prospective credit rating and current yield differentials where comparable government bonds are then assessed for their attractiveness. Mondrian seeks to add value through the use of non-governmental debt, although corporate bonds are a small part of the strategy and contribute a small portion to excess returns. Typically, sovereign and supranational issues comprise between 70% to 100% of a portfolio. High-quality foreign corporate debt is utilized, and may represent between 0% to 30% of a portfolio. In the case of corporate debt, the upper limit of 30% is strictly adhered to. A portfolio will typically hold between 30 and 40 securities.



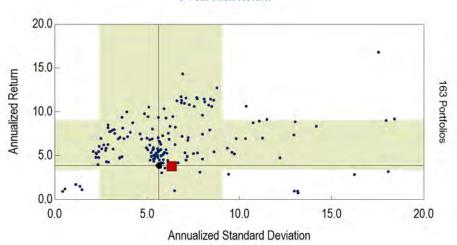
#### Annualized Excess Performance





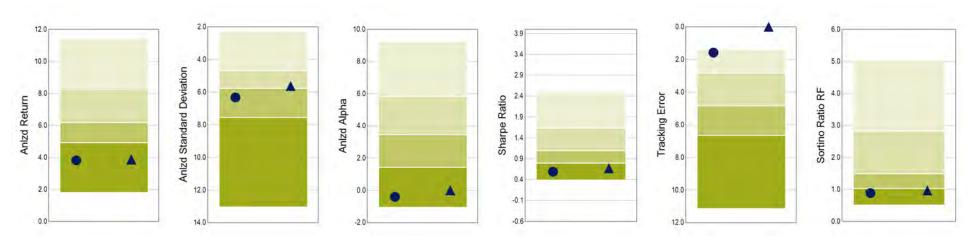
# Mondrian GFI





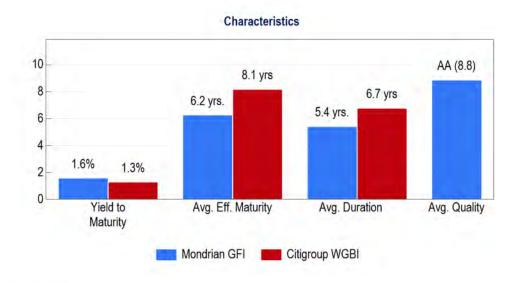
- Mondrian GFI Citigroup WGBI 68% Confidence Interval
- eA All Global Fixed Inc Gross

## **3 Year Risk Statistics**

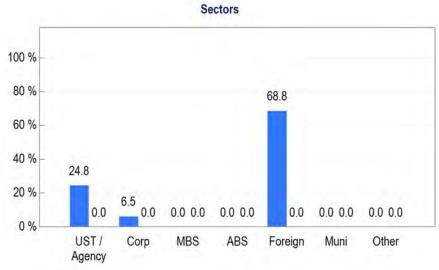




# Mondrian GFI









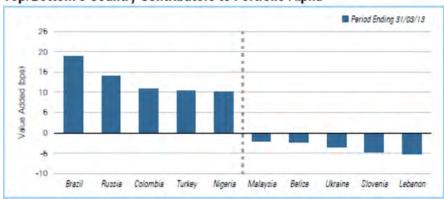
# 9a Yf[]b['A Uf\_Yh'8YVh

# Wellington Opportunistic Emerging Market Debt

#### **Portfolio Statistics**

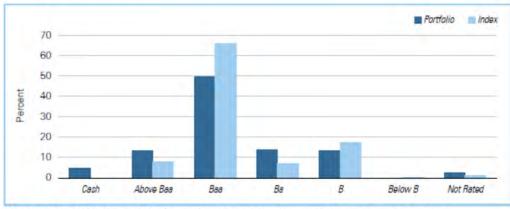
	Portfolio	Index
Yield	4.99%	4.64%
Effective Duration	6.91 Yrs	7.28 Yrs
Spread Duration	6.78 Yrs	7.27 Yrs
Corporate Exposure	20.36%	2
EM Local Market Exposure	13.48%	-
EM Currency Exposure	8.47%	
Average Quality	Baa2	Baa3

#### Top/Bottom 5 Country Contributors to Portfolio Alpha

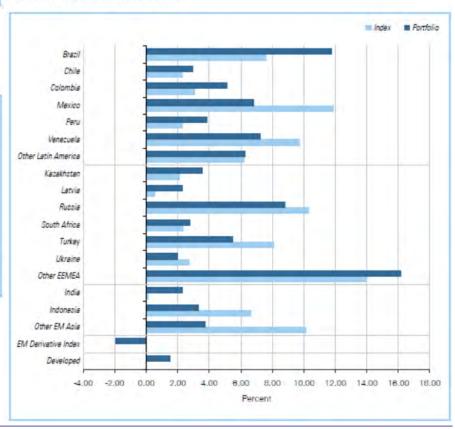


**Country Weights versus Index** 

## **Quality Distribution**



May not add to 100% due to derivative positions in portfolios that permit the use of such instruments. Quality ratings are based on the highest of Fitch, Moody or S&P.



Source: Wellington Management



# Wellington Opportunistic Emerging Market Debt

- -The Opportunistic Emerging Markets Debt investment approach seeks to generate attractive returns relative to an emerging markets debt benchmark such as the J.P. Morgan Emerging Markets Bond Index Global (EMBI Global), or similar, independent of traditional benchmark constraints.
- -Disciplined investment approach that integrates systematic research from both quantitative and fundamental perspective. Risk Management Due to the credit, currency, and local interest rate risks inherent in investing in these markets, and the structural complexity of some emerging markets debt instruments, a comprehensive system of risk controls is required to manage risks such as sovereign and corporate defaults, local currency volatility, and local debt yield curve inversions.
- -The investment process begins with a thorough assessment of global economic, liquidity, and market conditions. Wellington combines comprehensive top-down quantitative and macroeconomic analysis with bottom-up sovereign credit research to identify key global factors and to determine the potential impact on emerging markets debt. The resulting market outlook determines the overall risk level of the portfolio.
- -Opportunistic Emerging Markets Debt is an unconstrained, best ideas approach that takes advantage of investment opportunities in emerging markets sovereign, corporate, and local markets to generate attractive total returns. It is managed by the same team that has been responsible for the Emerging Markets Debt approach since its inception.





# Mellon Global Expanded Alpha I (Global Asset Allocation)

The core philosophy behind Mellon's Global Expanded Alpha strategy is that global capital markets are an orderly and mostly rational structure over the long term and that prices reflect expected returns based on fundamentals. However while equilibrium exists there are factors in the capital markets which cause prices to deviate from the equilibrium. Mellon seeks to diversify investment exposure across many asset classes. Global Stocks, Global Bonds and Currencies are the broad asset classes in which Global Alpha 1 is exposed. Mellon determines expected returns, risks, and correlations for each asset class in the twelve major capital markets (Australia, Canada, France, Germany, Hong Kong, Italy, Japan, the Netherlands, Spain, Switzerland, the U.K., and the U.S.) where they actively allocate assets. Model has been expanded to new alpha sources: emerging markets and commodities. Alpha in the emerging market is extracted through both emerging market equities and currencies. Emerging market equity and currency models rely on similar signals to those employed in developed equities and currencies models. Relative Valuation is the basis for asset class investment decisions. Investment instruments used include Futures, Forwards, Options and Asset Class Funds. Mellon is capable of taking Long/Short positions in any instruments but must be Net Long Stocks and Bonds.

#### Performance & Attribution – 1st Quarter 2013

Period	Strategy Return	Benchmark Return	Alpha	Global Stock/Bond	Equity Country	Bond Country	Currency	Benchmark Replication	Commodity Allocation	Misc.	Total Alpha
Jan-13	2.78%	2.57%	0.21%	69	-52	25	-17	-1	-7	4	21
Feb-13	0.07%	-0.02%	0.09%	0	-57	10	44	3	13	-4	9
Mar-13	1.69%	1.30%	0.39%	12	-35	-9	72	-5	7	-3	39

#### Performance & Attribution – Calendar Years & Annualized as of 3/31/2013

	Period	Strategy Return	Benchmark Return	Alpha	Global Stock/Bond	Equity Country	Bond Country	Currency	Benchmark Replication	Commodity Allocation	Misc.	Total Alpha
	YTD 2013	4.58%	3.88%	0.70%	80	-143	27	99	-4	13	-2	70
	2012	11.27%	11.45%	-0.17%	-24	-16	197	-214	10	18	12	-18
	2011	-0.13%	-1.60%	1.47%	-168	136	139	56	26	2	-43	147
(	(Partial) 2010	10.43%	5.72%	4.71%	-137	71	185	291	65	-6	2	471

Source: Mellon Capital Management
\*Index is 50% MSCI ACWI IMI (HH), 20% Citi WGBI GDP (HH), 10% BC Global Inflation Linked (HH), 5% BC US Intermediate Credit, 5% BC US Corp HY, 5% JPM GBI EM Local Debt, 5% DJ-UBS Commodity.



# Mellon Global Expanded Alpha I (Global Asset Allocation)

# **Market Exposures**

Equity Exposure			
Country	Mellon %	Index %	Over %
Australia	2.5%	1.7%	0.9%
Brazil	0.7%	0.0%	0.7%
Canada	0.5%	2.0%	-1.5%
China	1.0%	0.0%	1.0%
France	8.7%	1.6%	7.1%
Germany	10.4%	1.5%	9.0%
Hong Kong	0.3%	0.6%	-0.3%
India	-0.4%	0.0%	-0.4%
Italy	0.4%	0.4%	0.0%
Japan	-0.5%	4.0%	-4.5%
Mexico	-0.8%	0.0%	-0.8%
Netherlands	4.2%	0.4%	3.8%
Poland	-0.5%	0.0%	-0.5%
So. Africa	-0.1%	0.0%	-0.1%
So. Korea	1.1%	0.0%	1.1%
Spain	0.5%	0.5%	0.0%
Switzerland	-2.7%	1.5%	-4.2%
Taiwan	-1.5%	0.0%	-1.5%
Turkey	0.6%	0.0%	0.6%
United Kingdom	4.7%	4.0%	0.7%
United States	22.3%	23.9%	-1.6%
Emerging Markets	6.0%	6.0%	0.0%
GAA Passive	2.2%	2.1%	0.1%
Total	59.4%	50.0%	9.4%

Bond Exposure			
Country	Mellon %	Index %	Over %
Australia	7.5%	0.7%	6.8%
Canada	2.2%	0.8%	1.4%
Emerging Markets	5.1%	5.0%	0.1%
Europe ex UK	10.1%	6.5%	3.6%
International	10.0%	10.0%	0.0%
Japan	-4.8%	2.8%	-7.6%
United Kingdom	-30.5%	1.1%	-31.5%
United States	32.1%	17.2%	15.0%
GAA Passive	0.9%	1.0%	0.0%
Total	32.7%	45.0%	-12.3%

#### Commodity and Cash Exposure

	Mellon %	Index %	Over %
Commodity	4.9%	5.0%	-0.1%
Cash	2.8%	0.0%	2.8%
Total	7.7%	5.0%	2.7%

#### **Currency Exposure**

Country	Mellon %	Index %	Over %
Australia	16.3%	1.2%	15.1%
Brazil	0.9%	0.0%	0.9%
Canada	18.6%	1.6%	17.1%
Chile	-0.2%	0.0%	-0.2%
Denmark	0.4%	0.2%	0.2%
Euro	-12.3%	6.3%	-18.6%
Hong Kong	-0.1%	0.0%	-0.1%
India	0.7%	0.0%	0.7%
Indonesia	0.6%	0.0%	0.6%
Israel	-0.3%	0.0%	-0.3%
Japan	6.4%	3.5%	2.9%
Mexico	-0.5%	0.0%	-0.5%
New Zealand	4.8%	0.0%	4.8%
Norway	-4.0%	0.2%	-4.2%
Poland	-0.8%	0.0%	-0.8%
Russia	1.5%	0.0%	1.5%
So. Africa	0.4%	0.0%	0.4%
So. Korea	-0.9%	0.0%	-0.9%
Sweden	15.9%	0.5%	15.4%
Switzerland	0.9%	0.9%	0.0%
Taiwan	-0.4%	0.0%	-0.4%
Turkey	-1.1%	0.0%	-1.1%
United Kingdom	-24.3%	3.9%	-28.2%
United States	64.1%	69.6%	-5.5%
Emerging Markets	11.2%	11.0%	0.2%
GAA Passive	2.2%	1.1%	1.1%
Total	100.00%	100.00%	0.00%

Source: Mellon Capital Management



# PIMCO All Asset

Fund Number	736								
Fund Name	All Asset Fund								
otal Fund Net Assets (\$US MM)	34,158.8								
otal Fund Net Assets (\$03 MM)	9/30/2011	12/31/2011	3/31/2012	6/30/2012	9/30/2012	12/31/2012	1/31/2013	2/28/2013	3/31/201
hort-Term Strategies:	0.1%	0.1%	0.1%	0.1%	0.3%	0.0%	0.0%	0.0%	0.2%
Low Duration Fund	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%			
Short Term Fund	0.1%	0.0%	0.0%	0.1%	0.1%	0.0%			
Net Cash Equivalents	41316	29.9.2	0.070	-1	0.0%	0.0%			
S Core and Long Maturity Bond Strategies:	8.4%	8.2%	6.3%	5.2%	5.8%	10.8%	11.4%	11.4%	11.3%
GNMA Fund	1 0.476	0.276	0.5 /6	J.2 /6	3.076	10.076	11.470	11.470	11.576
Investment Grade Corporate Bond Fund	5.0%	5.0%	3.2%	2.0%	1.2%	2.8%			
Long Duration Total Return Fund	0.1%	0.1%	0.1%	0.1%	0.1%	1.8%			
	2000	20000		2.9%	2.00	3.7%			
Long Term Credit Fund	3.1%	3.0%	2.8%		2.8%				
Long-Term US Government Fund	0.1%	0.1%	0.0%	0.0%	0.0%	1.0%			
Mortgage-Backed Securities Fund	1.5	2.500	-	2.0	- E	200			
Total Return Fund	0.0%	0.0%	0.2%	0.1%	1.7%	1.5%			
M and Global Bond Strategies:	19.4%	24.1%	28.3%	31.0%	30.8%	28.7%	28.2%	27.3%	26.9%
Diversified Income Fund	4.2%	4.4%	4.1%	4.2%	4.4%	4.3%			
Emerging Local Bond Fund	4.1%	5.7%	7.0%	8.0%	7.9%	7.4%			
Emerging Markets Bond Fund	1.5%	2.7%	3.8%	4.5%	4.0%	3.4%			
Emerging Markets Corporate Bond Fund					0.4%	0.8%			
Emerging Markets Currency	6.5%	7.1%	7.7%	8.0%	8.0%	7.0%			1
Foreign Bond Fund (Unhedged)	0.7%	1.5%	2.5%	2.8%	2.9%	2.7%			
Global Advantage Strategy Bond Fund	2.4%	2.7%	3.2%	3.4%	3.3%	3.2%			
Global Bond Fund (Unhedged)	7727			4.5					
Credit Strategies:	28.9%	28.9%	28.2%	29.8%	30.4%	29.5%	29.2%	29.0%	29.1%
Convertible Fund	3.5%	3.4%	3.2%	3.0%	2.1%	0.7%	20.270	20.070	20.170
Floating Income Fund	7.7%	7.4%	6.9%	6.7%	6.7%	6.6%			
High Yield Fund	5.9%	6.5%	6.8%	7.9%	8.1%	6.2%			l
High Yield Spectrum Fund	1.6%	1.6%	1.9%	2.5%	2.6%	3.0%			l
	9.4%		8.6%	8.7%	8.8%	10.3%			
Income Fund		9.1%							
Senior Floating Rate Fund	0.9%	0.8%	0.7%	0.9%	2.1%	2.6%	0.10/	0.00/	
nflation Related Strategies:	17.3%	17.6%	17.0%	12.6%	8.0%	2.5%	2.1%	2.0%	2.0%
CommoditiesPLUS™ Strategy Fund	3.7%	4.5%	6.6%	6.3%	5.4%	2.4%			
CommodityRealReturn Strategy Fund®	3.8%	4.5%	2.5%	1.9%	1.8%	0.1%			
Global Advantage® Inflation-Linked Bond Exchange-Traded Fund	-	-	-	-		0.1%			
Real Return Asset Fund	7.3%	5.3%	4.5%	1.0%	0.0%	0.0%			
Real Return Fund	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
RealEstateRealReturn Strategy Fund	2.6%	3.3%	3.3%	3.5%	0.8%				
S Equity Strategies:	4.5%	1.3%	1.0%	1.0%	0.9%	0.9%	1.0%	1.0%	1.0%
Fundamental IndexPLUS®	-	-	-		-				
Fundamental IndexPLUS® AR	1.8%	0.2%	0.1%	0.1%	0.1%	0.1%			
Small Cap StocksPLUS® AR Strategy	0.4%	0.1%	0.1%	0.1%	0.1%	0.1%			
Small Company Fundamental IndexPLUS® AR Strategy	0.1%	0.6%	0.6%	0.6%	0.6%	0.6%			
StocksPLUS® Fund	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%			
StocksPLUS® Absolute Return Fund	0.7%	0.3%	0.1%	0.1%	0.1%	0.1%			
Global Equity Strategies:	12.3%	13.4%	14.8%	18.2%	18.4%	17.8%	18.0%	17.1%	16.8%
EM Fundamental IndexPLUS® AR Strategy Fund	8.2%	8.9%	9.4%	9.8%	10.1%	9.7%	10.076	17.170	10.076
	0.270	0.1%	0.1%	0.1%	0.1%	0.1%			
EqS Dividend Fund	0.20/								
EqS Emerging Markets Fund	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%			1
EqS Pathfinder Fund	2.3%	2.3%	2.0%	1.9%	1.8%	1.8%			1
International Fundamental IndexPLUS® AR Strategy Fund	0.1%	0.8%	2.2%	5.4%	5.4%	5.3%			
International StocksPLUS® AR Strategy Fund (U.S. Dollar Hedged)	0.4%	0.5%	0.2%	0.2%	0.2%	0.2%			
International StocksPLUS® AR Strategy Fund (Unhedged)	1.0%	0.6%	0.6%	0.5%	0.5%	0.6%			
Iternative Strategies:	9.0%	6.4%	4.4%	2.2%	5.4%	9.6%	10.1%	12.2%	12.7%
Credit Absolute Return Fund	0.3%	0.2%	0.2%	0.2%	0.2%	0.5%			
EqS Long/Short Fund	-		-	0.4%	0.4%	0.3%			
Fundamental Advantage Absolute Return Strategy Fund	5.7%	3.6%	2.0%	1.2%	2.8%	4.1%			
Unconstrained Bond Fund	3.1%	2.6%	2.1%	0.4%	2.0%	3.8%			
Worldwide Fundamental Advantage AR Strategy Fund					2.00	0.8%			
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: PIMCO



March 31, 2013

## PIMCO All Asset

- -PIMCO's All Asset Fund uses a Fund of Mutual Funds approach. Investment funds are continuously reallocated between various PIMCO Mutual funds base on strategic allocation decisions made by the advisor to the investment manager.
- Because both by policy and practice fixed income related securities tend to dominate the All Asset Funds asset allocation, and also because historical risk return measures correlate highly to core fixed income portfolio's. This investment may be categorized as either global asset allocation or core fixed income.
- -The underlying funds may at times invest in derivatives. Use of these instruments may involve risks such as liquidity risk, interest rate risk, market risk, credit risk, management risk and the risk that a fund could not close out a position when it would be most advantageous to do so. Portfolios investing in derivatives can lose more than the principal amount invested.
- -Shares of mutual funds that invest in Treasuries, TIPS and Government Bonds do not have the same guarantees as direct investments in these securities. Mortgage-backed securities are subject to prepayment risk. With corporate bonds there is no assurance that issuers will meet their obligations. An investment in high-yield securities generally involves greater risk to principal than an investment in higher-rated bonds. Investing in non-U.S. securities may entail risk as a result of non-U.S. economic and political developments, which may be increased when investing in emerging markets.
- -No single fund may exceed 50% of the portfolio. There is a maximum exposure of 50% to StocksPLUS, StocksPLUS Total Return and International StocksPLUS TR Strategy Funds combined. There is a maximum exposure of 75% to CommodityRealReturn Strategy, Real Return, Real Return II, Real Return Asset and RealEstateRealReturn Strategy Funds combined.
- -Leverage is permitted but is not expected to be used. Possible investment instruments are Stocks, Bonds, Currency, Commodities, Futures, Options, Options on Futures, and Swaps.
- -The Fund is expected to outperform the Lehman Brothers U.S. TIPS 1-10 Year Index and CPI + 5% over a market cycle. The PIMCO All Asset Fund is a daily valued commingled fund.

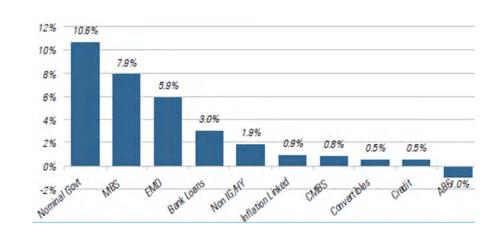


# Wellington OIF

#### Portfolio Characteristics

#### **Fixed Income Sector Distribution**

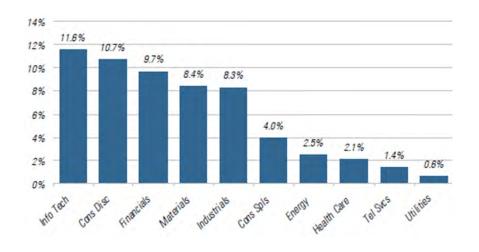
	Portfolio	Barclays Capital US Aggregate Bond
Duration	4.2 yrs	4.8 yrs
OAS	120 bps	48 bps
YTM	3.0%	1.9%



## **Top Relative Contributors and Detractors**

#### 200 150 Value Added (BP's) 50 -150 -200 Activist Terms of Valuation Risk Meaningful Structural Trade Reversal Governments in Core Fixed Improvement in European Equities Income EM Balance Reform Sheets

## **Equity Sector Distribution**



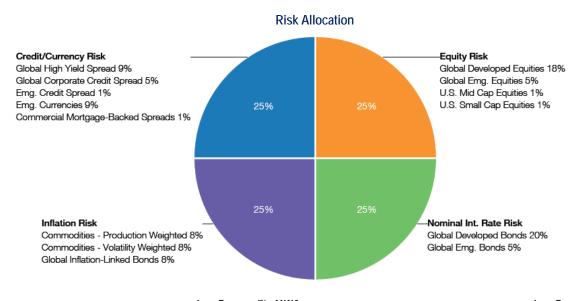


# Wellington OIF

- -The objective of the Opportunistic Investment Allocation approach is to outperform core markets by making timely investments in non-core areas that are attractively valued, have positive structural tailwinds, or are expected to benefit from the anticipated cyclical environment. Opportunistic Investment Allocation is an unconstrained, non-benchmark oriented investment approach.
- -The Opportunistic Investment Allocation approach provides exposure to a variety of investment approaches that focus on non-core areas, such as non-US small cap, emerging markets equity, and sector funds. Non-core areas are inherently interesting as they are typically less efficient sectors of the market where active managers have a history of strong value added. However, a drawback to these investment areas is their high level of volatility. One source of high volatility is structural change, which results in instability of long-term performance characteristics. When performance characteristics are unstable over time it is difficult to address the asset class in a static long-term asset allocation policy. Assuming that historical performance characteristics are representative of future results often leads institutional investors to either buy these niche areas at high valuations (after positive structural surprises) or ignore (sell) them when they are out of favor (after a negative structural surprise). For these reasons, Wellington believes that allocations to these areas should not be strategic, but opportunistic in nature.



# AQR Global Risk Premium Fund



	Long Exposure (% of NAV)
Equity Risk	
Global Developed Equities	21%
Global Emerging Equities	5%
U.S. Mid Cap Equities	1%
U.S. Small Cap Equities	1%
Total Equity Risk	28%
Iominal Interest Rate Risk	
Global Developed Bonds	97%
Global Emerging Bonds	21%
Total Nominal Interest Rate Risk	118%
nflation Risk	
Commodities - Production Weighted	13%
Commodities - Volatility Weighted	17%
Global Inflation-Linked Bonds	54%
Total Inflation Risk	83%
Credit/Currency Risk	
Global High Yield Spread	21%
Global Corporate Credit Spread	40%
Emerging Credit Spread	4%
Emerging Currencies	30%
Commercial Mortgage-Backed Spreads	1%
Total Credit/Currency Risk	96%
Total Fund Exposures	324%

	Long Exposure (% of NAV
Equity Market Exposures	
Americas	16%
Europe	6%
Asia ex-Japan	4%
Japan	2%
Total Equity Market Exposures	28%
Bond Market Exposures - Nominal and Inflation-	Linked
Americas	57%
Europe	70%
Asia	45%
Total Bond Market Exposures	172%
Emerging Currency Exposures	
Asia	8%
Europe	9%
Latin America	9%
Dollar Block ex-U.S.	4%
Total Emerging Currency Exposures	30%



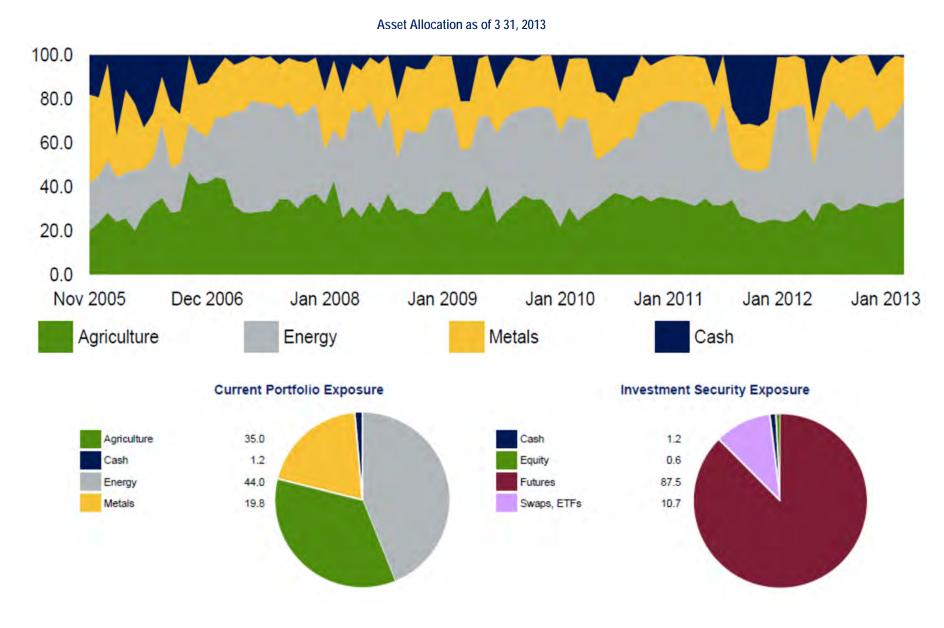
# AQR Global Risk Premium Fund

- -The AQR Global Risk Premium Fund is equally risk weighted between four major asset classes or risk exposures: equities, interest rates, inflation, and alternative risk exposures almost entirely spread/credit.
- -By diversifying broadly & globally across the broadest possible set of liquid risk-bearing assets, diversifying risk rather than capital avoiding risk concentration by sizing broad risk exposures equally, the strategy develops a an efficient portfolio that is likely to outperform traditional asset allocations.
- -Individual exposures are implemented through a variety of instruments, including: stock index futures and swaps, bond futures, interest rate swaps, global inflation-linked bonds, currency forwards, credit derivatives, and commodity futures & swaps.
- -Implementation decisions include capital usage, liquidity, transaction costs, and counterparty exposure. Since the strategy is levered, there is limited available capital; therefore, derivative instruments such as swaps and futures, will be preferred to physical investment in a market, all else being equal.
- -The majority of exposures are accessed synthetically generally, over 70% of the funds capital is invested in cash funds through SSgA and Dreyfus. These are money market funds meant to preserve capital, not meant to chase a spread above LIBOR as an additional source of return.
- -The fund attempts to maintain a healthy liquidity profile, both from a risk management standpoint and in order to fulfill the promise of monthly liquidity to investors.
- -Implementation with the most liquid instruments will be preferred and will help in limiting transaction costs.
- -Swap agreements and forwards take on counterparty risk. Counterparties are chosen based on analysis from a separate counterparty committee who determine approved counterparties across AQR's, limitations to exposures to each counterparty, as well as presenting AQR's credit worthiness to counterparties. Counterparty exposure is spread across several firms in order to minimize this risk.





# Schroder Commodities



Source: Schroder Investment Management.



# Schroder Commodities

- -The objective of the Schroders Commodities strategy is to provide investors with a diversified exposure to the Commodities asset class, through investments in commodity futures and commodity related equities.
- -The strategy is a beta or beta-plus product and aims to use active management to exploit the inefficiencies inherent in the asset class.
- -Schroders uses an active, long-only approach to commodities management. No leverage is used and all futures positions are fully collateralized through investments in T-bills of less than one year maturity. As a result of this policy, cash and cash collateral are not subject to any duration or credit risk.
- -The strategy is benchmark unconstrained meaning investments are made based on in-house analysis and implemented when that analysis indicates an attractive risk/reward opportunity. Commodities are not included as a result of their weighting in an index. The focus of Schroders' fundamental commodity analysis is the determination of supply and demand and supply/demand balances and most importantly, how these balances may change in the future.
- -Quantitative, technical and sentiment analyses support the fundamental analysis in terms of the timing and sizing of positions.
- -The investment horizon for the strategy is three to 12 months.
- -Schroders utilize strict diversification rules. Commodities are reviewed on an ongoing basis. A commodity will not be held unless the fundamental analysis is positive.
- -The Schroders universe is comprised of over 60 commodities.
- -Most exposures are held through futures positions although equities may be purchased; typically whereby a commodity does not have an associated futures contract.





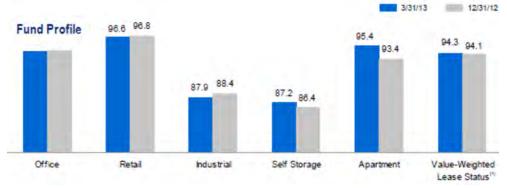
# Morgan Stanley Prime Property

- -The Sponsor, on behalf of the Prime Property Fund, will endeavor to maintain a diversified investment in core U.S. real estate that offers stable, highly predictable cash flow returns. The focus is on high quality office buildings, Class A multifamily communities, warehouse distribution and storage facilities, and top tier super regional malls and shopping centers in targeted primary markets. The Sponsor favors investing in major metropolitan markets and selectively invests in secondary markets that are expected to achieve above-average economic performance. The Sponsor believes that these cities offer better liquidity, more diverse tenant bases and stronger resilience to market cycles.
- -The Sponsor maintains a strong research orientation and utilizes research as a risk mitigation tool. Research is used to assist in market selection, product selection and disposition, and portfolio weightings.
- -Although the methodologies used to determine strategies have remained constant over time, the investment strategy guidelines developed for PRIME have been modified from time to time over the past five years to reflect changes in market conditions and future market expectations.
- -Employment of these strategies have helped PRIME deliver strong relative returns including outperforming the NFI-ODCE benchmark over the trailing 1-year, 3-year, 5-year and 10-year periods

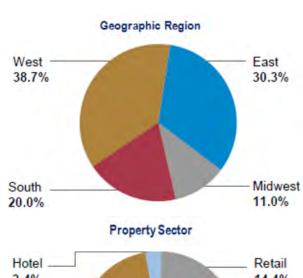
## Geographic Region Returns

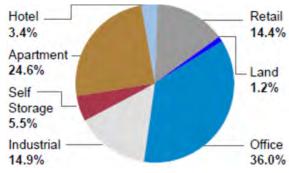
	4.000	First Quarter		
%	Income	Appreciation	Tota	
East	1.3	1.3	2.6	
Midwest	1.0	1.0	2.0	
South	1.4	1.8	3.2	
West	1.2	1.7	2.9	

Portfolio Lease Status (%)



Source: Morgan Stanley.



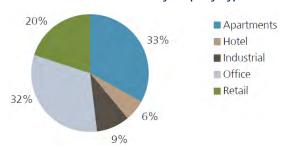




# **UBS Trumbull Property Fund**

The UBS Trumbull Property Fund (UBS-TPF) is an actively managed core portfolio of equity real estate. The Fund seeks to provide attractive returns while limiting downside risk. The Fund has both relative and real return objectives. Its relative performance objective is to outperform the NFI-ODCE index over any given three-to five-year period. The Fund's real return performance objective is to achieve at least a 5% real rate of return (i.e., inflation-adjusted return), before advisory fees, over any given three- to five-year period.

## Portfolio Distribution by Property Type



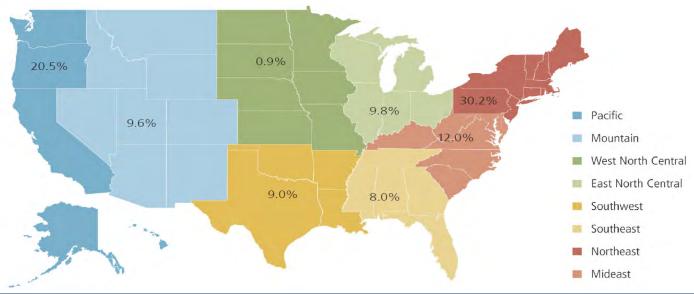
## **Key Statistics**

Gross asset value (GAV)	USD 15.0 bn	Quai
(GAV)		Inc
Net asset value (NAV)	USD 12.9 bn	Αŗ
Cash as a % of GAV	4.2%	То
Debt as % of GAV	12.5%	To
Number of	182	
investments	102	One
Number of investors	399	Inc
		A
Deposits <sup>2</sup>	USD 170.9 m	То
Redemptions <sup>2</sup>	USD 36.0 m	To

Quarterly returns	(%)
Income	1.23
Appreciation	0.43
Total (before fees)	1.66
Total (after fees)	1.40
One-year rolling returns	(%)
Income	5.27

# Appreciation 3.31 Total (before fees) 8.71 Total (after fees) 7.61

## Distribution by Geographic Division





# RREEF America REIT III

RREEF America III is an open-end, value-add fund with the objective of generating returns of 300-500 BPS above a core unlevered real estate portfolio. The fund aims to achieve these returns by upgrading the physical condition, occupancy and operating characteristics of the properties in which it invests. RREEF III will invest across all property types focusing on major metropolitan markets in the United States.

# **Investment Summary**

Net Asset ∀alue¹	\$933,377,720
Number of Shares Outstanding	16,109,897
Net Asset ∀alue Per Share	\$57.94
Cash Balance of Fund	\$132,436,472
Debt <sup>2</sup>	\$843,757,467
Inception Date <sup>3</sup>	March 31, 2003
Redemption Shares Outstanding	5,677,232
Institutional Investors	118

See "End Notes", "Performance Notes" and "Important Information" for further information.

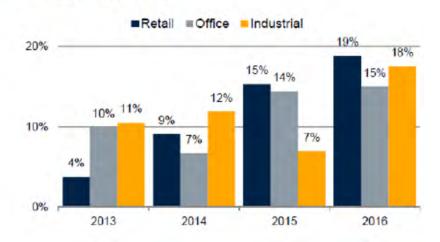
# **Property Information**

## Diversification/Occupancy

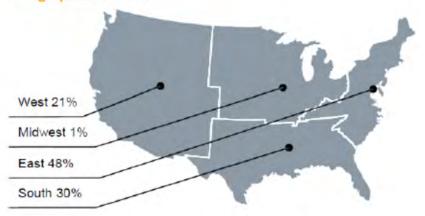
-	Real Estate Investments	Gross Real Estate Value (millions)	Percent of Value	Quarter-end Occupancy
Retail	4	\$149.3	9%	92%
Residential	3	560.1	33%	96%
Office	32	619.8	36%	79%
Industrial	21	213.5	13%	80%
Development/ Land/Other	6	152.9	9%	N/A
Total	66	\$1,695.6	100%	83%

Note: Property diversification by type and geographic location based on gross real estate value and primary use of assets.

## **Lease Maturities**



## Geographic Location



Source: RREEF. All graphics as of 3/31/2013.





## **Grosvenor Institutional Partners, LP**

Grosvenor Capital Management, LP



Benchmark 1 (BM1): HFRI Fund of Funds Composite Index

	ırk 1 (BM1	•			s Composit	te Index											
Benchma	ırk 2 (BM2	<u>2):</u>	S&P 500		Monthly P	erforman	ce (%) I	Net of Fe	es					Statistical Analysis	Fund	BM1	BM2
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Returns			
2013	2.5%	0.5%	1.4%	•	•								4.4%	Annualized Compound ROR	5.6%	3.6%	2.4%
2012	1.6%	1.8%	0.9%	-0.1%	-1.4%	0.4%	0.8%	1.2%	0.8%	0.5%	0.7%	1.2%	8.7%	3 Yr Return	4.3%	2.1%	12.7%
2011	0.9%	1.0%	0.0%	0.9%	-0.1%	-1.1%	-0.2%	-2.8%	-2.7%	1.7%	-0.7%	-0.6%	-3.7%	5 Yr Return	1.5%	-0.2%	5.8%
2010	0.7%	0.3%	1.6%	0.8%	-1.8%	-0.9%	0.7%	0.2%	1.7%	1.2%	0.5%	1.5%	6.5%	Best Month	2.7%	5.2%	10.9%
2009	1.2%	0.0%	-0.6%	0.1%	2.7%	0.9%	2.2%	1.8%	2.3%	0.7%	1.0%	1.0%	13.9%	Worst Month	-6.9%	-6.5%	-16.8%
2008	-2.4%	1.3%	-1.8%	0.2%	1.5%	-0.7%	-2.0%	-1.3%	-6.9%	-5.3%	-3.2%	-2.3%	-20.9%	% Positive Months	78.0%	64.2%	60.4%
2007	1.7%	0.8%	1.4%	1.4%	2.3%	0.4%	0.8%	-2.1%	1.2%	2.7%	-0.6%	0.5%	10.7%	Risk			
2006	1.9%	0.4%	1.5%	1.1%	-0.9%	-0.6%	0.0%	0.8%	0.5%	1.3%	1.7%	1.4%	9.4%	Standard Deviation	4.6%	5.4%	15.9%
2005	0.2%	1.2%	-0.3%	-1.0%	0.4%	1.2%	1.3%	0.9%	1.0%	-1.2%	1.3%	1.6%	6.8%	3 Yr Standard Deviation	4.2%	4.5%	15.0%
2004	1.5%	0.8%	0.4%	0.2%	-0.6%	0.1%	-0.5%	0.3%	0.8%	0.6%	1.8%	1.5%	6.9%	5 Yr Standard Deviation	6.1%	6.2%	18.9%
														Sharpe Ratio (3.5%)	0.5	0.0	0.0
														Sortino Ratio (7.0%)	-0.3	-0.7	-0.4
Outper	form BM	in Up M	larkets	Outper	form BM i	n Down I	<b>larkets</b>		Di	stributio	n of Ret	urns		Downside Deviation (7.0%)	4.0%	4.7%	12.4%
100%				100%				<sup>70</sup> ⊤						Max Drawdown	-21.0%	-22.2%	-50.9%
90%				90%										Months In Maximum Drawdown	14	14	16
80%				80%				60						Months To Recover	48		37
								50 —			<b>-⊪</b> -			Comparison To Benchmark(s)		0.20/	0.40/
70%				70%				S						Monthly Alpha		0.2% 3.0%	0.4%
60%				60%				Berlods						Annualized Alpha			5.2% 0.1
50%				50%				Monthly 20 —						Beta Correlation		0.7 0.9	0.5
40%				40%				M <sub>o</sub>						R-Squared		73.1%	24.5%
								20			╗			Annual Returns		73.1%	24.5%
30%				30%										2013-(YTD)	4.4%	3.4%	10.6%
20%				20%		_		10						2012	8.7%	4.8%	16.0%
10%				10%				0 1		اللحيد				2011	-3.7%	-5.7%	2.1%
0%				0%				100	to -8	to -4 to -2	to 0 to 2	3 to 4 5 to 6 7 to 8	to 10	2010	6.5%	5.7%	15.1%
	RI Fund of Fun Composite Inde		500 (TR)	Н	FRI Fund of Fund		00 (TR)	`	, 6, 1-	က် ယ်	÷ -	6 6 6	6	2009	13.9%	11.5%	26.5%
	,				Composite Index			_		Retu	ırn Range (%)			2008	-20.9%	-21.4%	-37.0%
Risk/	Return P	rofile						Underw	ater Dra	wdowns				Latest Returns			
														Last Month	1.4%	0.9%	3.8%
6%							0%	NV V	V		14.			Last 3 Months	4.4%	3.4%	10.6%
	-						<b>       </b>	• • • • • • • • • • • • • • • • • • •	•	• •	' <mark>(</mark> ()			Last Year	8.7%	4.8%	14.0%
5%				■Gros LP	venor Institutional F	artners,	-5% -				<b>V</b>		<b>"</b>	2-Year	3.6%	0.6%	11.2%
_				LF								lacksquare	<u>''</u>	3-Year	4.3%	2.1%	12.7%
%etri						Ę	-10% -						المما	4-Year	7.1%	4.6%	21.0%
Ized				, UEDI	Fund of Funds Con	oposito op							Wv 📗	5-Year	1.5%	-0.2%	5.8%
enuu <sub>v</sub> 3%				Inde		inposite in	-15% -					<b>/ *</b>		Drawdown Analysis			
Q 370												<b>/</b>		1	-21.0%	-22.2%	-50.9%
				<b>*</b>			-20% -				V.			2	-2.4%	-4.9%	-44.7%
2%				◆ S&P	500 (TR)						W			3	-2.1%	-2.7%	-6.8%
							-25%							4	-1.5%	-2.5%	-6.6%
1% L			2/ 400:	470			2000	2001 2002	2003 2004	2005 2006	2007 2008 2	2009 2010 20	11 2012	5	-1.2%	-2.2%	-5.0%
3%		9% 119 Standard Dev	% 13% 15% viation	% 17%				Grosvenor Instit	utional Partners,	LP			ex				
											219						

<sup>\*\*\*</sup>Past Performance is not indicative of future results. Ratios are calculated based on a risk-free rate of 3.5% Actual ratios may vary depending on the actual risk-free rate and life of the fund\*\*\*

# Grosvenor Institutional Partners, LP

-Generating consistent returns with low volatility and avoiding capital losses and headline risk, is the overall investment philosophy duly embedded in the business ethos of the firm. In enacting this philosophy, Grosvenor consciously pursues proven fundamentally driven strategies that are relatively liquid and have historically maintained a low correlation to traditional markets. However, Grosvenor avoids Macro/CTAs and some leveraged strategies. Low correlation and low volatility would necessarily imply a low equity beta (currently 0.2) Returns are targeted at T bills +5-10% with volatility in 6-7% range. It fears posting mediocre returns of 2-3% suggesting that Grosvenor values top line performance as much as managing volatility.

-Broadly speaking, the GIP portfolio can be visualized as 45% Long/Short equity, 40% fixed income and 15% opportunistic. Currently, the strategy allocation stands as: Equity Hedge 44%, Long/Short credit (incl. structured credit and distressed) 32%, Relative Value/Arbitrage 7%, Risk Arbitrage & Diversified Event 6%, Macro-oriented/vol. arbitrage and tail risk strategies 3%, Cash 8%.

-Grosvenor follows a conventional portfolio construction process which begins by setting investment objectives -returns, volatility and correlation estimatesand strategy constraints and manager limits. Concurrently, the investment committee outlines its broad investment themes in the context of a bigger opportunity set.

## Permal Fixed Income Holdings N.V.

Permal Group Ltd.



Benchmark 1 (BM1): HFRI Fund of Funds Composite Index

Benchma	-				s Composit	e Index											
Benchma	rk Z (BMZ	<u>2):</u>	S&P 500	` '	onthly P	erforman	ce (%) N	let of Fe	es					Statistical Analysis	Fund	BM1	BM2
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Returns			
2013	2.6%	0.4%	1.7%										4.8%	Annualized Compound ROR	7.4%	5.0%	6.6%
2012	2.3%	2.0%	0.1%	-0.2%	-1.1%	0.1%	1.2%	0.9%	1.5%	0.8%	0.2%	1.8%	10.2%	3 Yr Return	5.6%	2.1%	12.7%
2011	1.4%	1.3%	0.1%	1.2%	-0.2%	-1.4%	0.3%	-3.0%	-4.0%	1.9%	-0.9%	-1.0%	-4.5%	5 Yr Return	5.8%	-0.2%	5.8%
2010	1.2%	0.7%	2.4%	2.1%	-2.3%	-0.7%	1.0%	0.4%	1.9%	2.1%	0.1%	2.2%	11.5%	Best Month	5.9%	6.9%	10.9%
2009	1.1%	-0.8%	0.5%	2.8%	5.5%	2.9%	3.3%	2.9%	2.9%	1.2%	1.4%	2.0%	28.6%	Worst Month	-27.9%	-7.5%	-16.8%
2008	-0.7%	0.2%	-1.0%	0.5%	0.8%	0.3%	-1.8%	-1.1%	-4.0%	-7.4%	-2.8%	-2.0%	-17.5%	% Positive Months	73.3%	64.1%	62.1%
2007	1.5%	1.4%	0.6%	1.5%	0.9%	0.4%	0.7%	-1.8%	1.8%	2.2%	0.1%	0.0%	9.6%	Risk			
2006	2.3%	0.6%	1.0%	1.9%	-0.8%	-0.2%	0.7%	0.7%	0.3%	1.5%	1.4%	1.6%	11.6%	Standard Deviation	9.6%	6.2%	16.2%
2005	-0.2%	1.4%	-0.6%	-0.4%	0.4%	1.7%	1.4%	1.3%	1.4%	-1.0%	1.7%	1.5%	8.8%	3 Yr Standard Deviation	5.3%	4.5%	15.0%
2004	1.3%	0.8%	0.9%	-1.4%	-0.7%	1.0%	0.2%	1.2%	1.4%	1.5%	2.5%	1.5%	10.6%	5 Yr Standard Deviation	7.2%	6.2%	18.9%
														Sharpe Ratio (3.5%)	0.4	0.3	0.3
														Sortino Ratio (7.0%)	0.0	-0.4	0.0
Outper	form BM	in Up N	larkets	Outper	form BM i	n Down I	larkets		Di	stributio	n of Ret	urns		Downside Deviation (7.0%)	8.5%	4.9%	12.2%
100%				100%				60 T						Max Drawdown	-36.8% -	-22.2%	-50.9%
90%				90%			_							Months In Maximum Drawdown	5	14	16
80%				80%				50						Months To Recover	33		37
														Comparison To Benchmark(s)		0.10/	0.50/
70%				70%				₩ 40 +						Monthly Alpha		0.1% 1.8%	0.5%
60%				60%			-	Monthly Periods						Annualized Alpha Beta			5.6% 0.3
50%				50%				30 +						Correlation		1.1 0.7	0.5
40%				40%				≗ 20 -						R-Squared		54.6%	23.1%
				40%				20						Annual Returns		34.0%	23.170
30%				30%				10						2013-(YTD)	4.8%	3.4%	10.6%
20%				20%			-							2012	10.2%	4.8%	16.0%
10%			-	10%				0 =		اللاجات				2011	-4.5%	-5.7%	2.1%
0%				0%				90	to -8	to -4 to -2	1 to 0	3 to 4 5 to 6 7 to 8	to 10	2010	11.5%	5.7%	15.1%
	RI Fund of Fur Composite Inde		9 500 (TR)	HE	FRI Fund of Fund		00 (TR)	,	, 6 1-	က် ယ်	÷ =	7 22 3	6	2009	28.6%	11.5%	26.5%
	,			(	Composite Index			-		Retu	ırn Range (%)			2008	-17.5%	-21.4%	-37.0%
Risk/	Return P	rofile						Underw	ater Dra	wdowns				Latest Returns			
201						<u> </u>								Last Month	1.7%	0.9%	3.8%
8%							0%		WV	V	V W.			Last 3 Months	4.8%	3.4%	10.6%
							-5% -	\	,		•			Last Year	10.4%	4.8%	14.0%
7%		_		■ Perma	I Fixed Income Hold	lings N.V.	-10% -	<b>7</b>					<b>\</b> '' /	2-Year	3.5%	0.6%	11.2%
								V				<b>₩</b>	W	3-Year	5.6%	2.1%	12.7%
Return						Ę	-15% -							4-Year	11.9%	4.6%	21.0%
Pag 6%				A HERI I	Fund of Funds Comp	osite m	-20% -					V		5-Year	5.8%	-0.2%	5.8%
en uu				Index	and or runds domp	۵	-25% -							Drawdown Analysis			
∢							-30% -							1	-36.8%	-22.2%	-50.9%
5%	<u> </u>						-30%							2	-17.7%	-13.1%	-44.7%
				◆ S&P 5	00 (TR)		-35% -							3	-8.2%	-4.9%	-15.4%
							-40%							4 _	-3.0%	-2.7%	-6.8%
4%	70/ 0	0/ 110/	120/ 150/	170/			1997	1998 1999 200	0 2001 2002 2	003 2004 2005	2006 2007 20	08 2009 2010 :	2011 2012	5	-2.5%	-2.5%	-6.6%
5%		% 11% I Standard De	13% 15% viation	17%			_	Permal Fixed In	come Holdings N. <sup>1</sup>	/.	HFRI Fund of Fu	nds Composite Inc	ex				
											LL						

<sup>\*\*\*</sup>Past Performance is not indicative of future results. Ratios are calculated based on a risk-free rate of 3.5% Actual ratios may vary depending on the actual risk-free rate and life of the fund\*\*\*

# Permal Fixed Income Holdings

-PFIH is a global, multi-manager, multi-strategy diversified fixed income portfolio. Assets are invested in both credit (57%) and non-credit (41%) spread related strategies. Strategies in the credit spread portion are Developed Markets Fixed Income, Emerging Markets Fixed Income, and Hedged Fixed Income (managers that employ short positions). Strategies in the non-credit portion are Relative Value Arbitrage, Event-Driven, and Global Macro.

-The objective of PFIH is to deliver returns of 8-12% returns with 5-7% volatility. The fund typically invests with about 55-65 managers. Turnover is about 15%/year. This is lower (about 10%) within the group of established managers, and higher (30-35%) among new managers. Three of Permal's overriding philosophies are start small, diversify, and focus time and effort on existing positions.



## **GAM U.S. Institutional Diversity**

GAM London Limited



Benchmark 1 (BM1): HFRI Fund of Funds Composite Index

	rk 1 (BM1				s Composi	te Index											
Benchma	rk 2 (BM2	2):	S&P 500		Monthly P	erforman	ce (%) I	Net of Fe	95					Statistical Analysis	Fund	BM1	BM2
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Returns	runa	Divis	DITE
2013	2.8%	0.3%	0.6%	pi	riay	Juli	Jui	rag	ОСР	000	1101	500	3.7%	Annualized Compound ROR	7.6%	5.2%	7.1%
2012	1.9%	1.6%	0.2%	-0.7%	-1.0%	-0.2%	1.3%	0.5%	0.8%	0.4%	0.3%	1.2%	6.5%	3 Yr Return	1.1%	2.1%	12.7%
2011	-0.1%	0.9%	0.1%	0.8%	-0.9%	-1.0%	0.4%	-2.4%	-2.0%	0.7%	-0.4%	-0.1%	-4.0%	5 Yr Return	-0.8%	-0.2%	5.8%
2010	-0.6%	0.4%	0.8%	-0.1%	-2.5%	-3.3%	0.1%	-0.2%	1.2%	1.1%	0.1%	1.0%	-2.1%	Best Month	10.2%	6.9%	10.9%
2009	0.8%	0.1%	-0.1%	-0.4%	1.1%	-0.2%	1.0%	1.1%	1.3%	-0.3%	1.1%	-0.1%	5.5%	Worst Month	-7.9%	-7.5%	-16.8%
2008	-2.1%	1.1%	-2.2%	-0.1%	0.9%	-0.4%	-1.8%	-1.2%	-4.7%	-2.5%	-2.1%	-0.9%	-15.0%	% Positive Months	68.2%	64.7%	62.2%
2007	0.1%	2.6%	-0.6%	2.2%	1.3%	1.1%	-0.7%	-3.0%	2.4%	2.6%	-1.8%	0.2%	6.4%	Risk			
2006	3.8%	1.3%	1.3%	3.5%	-2.8%	-1.9%	1.2%	0.5%	0.6%	2.4%	1.6%	3.1%	15.3%	Standard Deviation	7.3%	6.1%	16.2%
2005	-0.4%	1.4%	-0.8%	-0.9%	-0.6%	1.4%	1.4%	1.1%	1.8%	-1.4%	2.9%	2.9%	9.1%	3 Yr Standard Deviation	4.3%	4.5%	15.0%
2004	2.0%	0.6%	0.2%	0.1%	-2.0%	-0.1%	-1.2%	-0.4%	1.0%	0.6%	2.7%	1.4%	4.8%	5 Yr Standard Deviation	4.6%	6.2%	18.9%
														Sharpe Ratio (3.5%)	0.6	0.3	0.3
														Sortino Ratio (7.0%)	0.1	-0.3	0.0
Outpe	rform BM	in Up N	larkets	Outper	form BM	n Down I	Markets		Di	stributio	on of Ret	urns		Downside Deviation (7.0%)	4.7%	4.8%	12.1%
100%				100%				70 T						Max Drawdown	-17.3%	-22.2%	-50.9%
90%				90%										Months In Maximum Drawdown	47	14	16
90%				90%				60						Months To Recover			37
80%				80% -				50						Comparison To Benchmark(s)			
70%				70% -		_								Monthly Alpha		0.2%	0.5%
60%				60%				Heriods			-Ш-			Annualized Alpha		2.1%	6.2%
50%														Beta		1.0	0.2
30%				50%				Monthly 30 -			┨╫╫┠╴			Correlation		0.9	0.4
40%			$\overline{}$	40%				20						R-Squared		75.7%	18.4%
30%				30%				20						Annual Returns			
20%				20%				10			HHHH			2013-(YTD)	3.7%	3.4%	10.6%
10%										_				2012	6.5%	4.8%	16.0%
10%				10%				0 +	e e e	4 4	to 0 2	to to 4 to 6 to 8	<b></b>	2011	-4.0%	-5.7%	2.1%
0% +	RI Fund of Fun	nds S&F	500 (TR)	0%			- (==)	,	-9 to	-5 to -3 to	-1 to	3 to 5 to 7 to	0	2010	-2.1%	5.7%	15.1%
	Composite Inde		,		FRI Fund of Fun Composite Index		00 (TR)			Reti	ırn Range (%)			2009	5.5%	11.5%	26.5%
								1						2008	-15.0%	-21.4%	-37.0%
Risk/	Return P	rofile						Underw	ater Dra	wdowns	;			Latest Returns			
8%							0% T							Last Month	0.6%	0.9%	3.8%
							· · · · · · · · · · · · · · · · · · ·		WYV	<b>V</b>	' V ' 🚺			Last 3 Months	3.7%	3.4%	10.6%
	_						EQ/		1	•	Y '			Last Year	6.6%	4.8%	14.0%
7%				■ GAM	U.S. Institutional	Diversity	-5% -				•			2-Year	2.5%	0.6%	11.2%
E								IJ						3-Year	1.1%	2.1%	12.7%
l Retu						I A	-10% -	V						4-Year	2.1%	4.6%	21.0%
alizec					Fund of Funds Co	mposite		V						5-Year	-0.8%	-0.2%	5.8%
Annu				Inde:	х		-15% -						7	Drawdown Analysis	47.20/	22.207	FC 00/
												17		1	-17.3%	-22.2%	-50.9%
5%	T				(==)		-20% -					V		2	-11.8%	-13.1%	-44.7%
				◆S&P	500 (TR)							W		3	-5.3%	-4.9%	-15.4%
							-25%	7 1000 1005	200 2001 201	2002 2004 55	25 2006 2005 -	000 2002 227	2011 2012	4 -	-5.0%	-2.7%	-6.8%
4% L	70/ 0	0/ 110/	13% 15%	1794			1996 19	av 1998 1999 20	JUU 2001 2002	2003 2004 200	J5 2006 2007 2	008 2009 2010	2011 2012	5	-4.6%	-2.5%	-6.6%
5%	Annualized	% 11% I Standard De	viation	1 / 70			_	GAM U.S. Instit	utional Diversity			ds Composite Inc	dex				
											223						

<sup>\*\*\*</sup>Past Performance is not indicative of future results. Ratios are calculated based on a risk-free rate of 3.5% Actual ratios may vary depending on the actual risk-free rate and life of the fund\*\*\*

# GAM U.S. Institutional Diversity

- -The GAM Diversity strategy aims seeks to achieve absolute returns with diversification of risk and low correlation to traditional asset classes such as equities and bonds. GAM strategy targets net returns of 9-13% net per annum with 5-7% volatility and 0.2-0.6 correlation to the S&P 500 and 0.0-0.2 correlation to the Barclays Capital US Aggregate Bond Index.
- -The GAM portfolio construction process combines the structural discipline of clear return and risk targets with the bottom-up assessment of opportunity and risk across markets and strategies within a unified portfolio construction framework. GAM would not deviate from the portfolio construction process unless GAM felt the returns and risk characteristics being generated were not meeting GAM's expectations. If this were to happen GAM would take steps to reevaluate the process and make adjustments.
- -Asset allocation for GAM Multi-Manager's portfolios allows each investment manager to draw on the synthesized views of the specialist investment teams and apply them to his or her own portfolios as appropriate. The views of the specialist investment teams are formed and captured on a quarterly basis, when all senior Multi-Manager investment managers gather for the three-day Quarterly Investment Meeting (QIM). The purpose of the QIM is to review formally the prior quarter's investment results, assess opportunities and consider changes to strategic and tactical views.



## Glossary of Investment Terminology

# Of Portfolios/Observations<sup>1</sup> – The total number of data points that make up a specified universe

**Allocation Index**<sup>3</sup> - The allocation index measures the value added (or subtracted) to each portfolio by active management. It is calculated monthly: The portfolio asset allocation to each category from the prior month-end is multiplied by a specified market index.

Asset Allocation Effect<sup>2</sup> - Measures an investment manager's ability to effectively allocate their portfolio's assets to various sectors. The allocation effect determines whether the overweighting or underweighting of sectors relative to a benchmark contributes positively or negatively to the overall portfolio return. Positive allocation occurs when the portfolio is over weighted in a sector that outperforms the benchmark and underweighted in a sector that underperforms the benchmark. Negative allocation occurs when the portfolio is over weighted in a sector that underperforms the benchmark and under weighted in a sector that outperforms the benchmark.

Agency Bonds (Agencies)<sup>3</sup> - The full faith and credit of the United States government is normally not pledged to payment of principal and interest on the majority of government agencies issuing these bonds, with maturities of up to ten years. Their yields, therefore, are normally higher than government and their marketability is good, thereby qualifying them as a low risk-high liquidity type of investment. They are eligible as security for advances to the member banks by the Federal Reserve, which attests to their standing.

Asset Backed Securities (ABS)<sup>3</sup> - Bonds which are similar to mortgage-backed securities but are collateralized by assets other than mortgages; commonly backed by credit card receivables, auto loans, or other types of consumer financing.

**Attribution**<sup>3</sup> - Attribution is an analytical technique that allows us to evaluate the performance of the portfolio relative to the benchmark. A proper attribution tells us where value was added or subtracted as a result of the manager's decisions.

**Average Effective Maturity**<sup>4</sup> - For a single bond, it is a measure of maturity that takes into account the possibility that a bond might be called back to the issuer.

For a portfolio of bonds, average effective maturity is the weighted average of the maturities of the underlying bonds. The measure is computed by weighing each bond's maturity by its market value with respect to the portfolio and the likelihood of any of the bonds being called. In a pool of mortgages, this would also account for the likelihood of prepayments on the mortgages.

**Batting Average**<sup>1</sup> - A measurement representing an investment manager's ability to meet or beat an index.

Formula: Divide the number of days (or months, quarters, etc.) in which the manager beats or matches the index by the total number of days (or months, quarters, etc.) in the period of question and multiply that factor by 100.

**Brinson Fachler (BF) Attribution**<sup>1</sup> - The BF methodology is a highly accepted industry standard for calculating the allocation, selection, and interaction effects within a portfolio that collectively explains a portfolio's underlying performance. The main advantage of the BF methodology is that rather than using the overall return of the benchmark, it goes a level deeper than BHB and measures whether the benchmark sector, country, etc. outperformed/or underperformed the overall benchmark.

**Brinson Hood Beebower (BHB) Attribution**<sup>1</sup> - The BHB methodology shows that excess return must be equal to the sum of all other factors (i.e., allocation effect, selection effect, interaction effect, etc.). The advantage to using the BHB methodology is that it is a highly accepted industry standard for calculating the allocation, selection, and interaction effects within a portfolio that collectively explains a portfolio's underlying performance.

Corporate Bond (Corp) <sup>4</sup> - A debt security issued by a corporation and sold to investors. The backing for the bond is usually the payment ability of the company, which is typically money to be earned from future operations. In some cases, the company's physical assets may be used as collateral for bonds.

**Correlation**<sup>1</sup> - A range of statistical relationships between two or more random variables or observed data values. A correlation is a single number that describes the degree of relationship between variables.

Data Source: <sup>1</sup>InvestorForce, <sup>2</sup>Interaction Effect Performance Attribution, <sup>3</sup>NEPC, LLC, <sup>4</sup>Investopedia, <sup>5</sup>Hedgeco.net

# Glossary of Investment Terminology

**Coupon**<sup>4</sup> – The interest rate stated on a bond when it is issued. The coupon is typically paid semiannually. This is also referred to as the "coupon rate" or "coupon percent rate."

**Currency Effect**<sup>1</sup> - Is the effect that changes in currency exchange rates over time affect excess performance.

**Derivative Instrument**<sup>3</sup> - A financial obligation that derives its precise value from the value of one or more other instruments (or assets) at the same point of time. For example, the relationship between the value of an S&P 500 futures contract (the derivative instrument in this case) is determined by the value of the S&P 500 Index and the value of a U.S. Treasury bill that matures at the expiration of the futures contract.

**Downside Deviation**<sup>1</sup> - Equals the standard deviation of negative return or the measure of downside risk focusing on the standard deviation of negative returns.

#### Formula:

Annualized Standard Deviation (Fund Return - Average Fund Return) where average fund return is greater than individual fund returns, monthly or quarterly.

**Duration**<sup>3</sup> - Duration is a measure of interest rate risk. The greater the duration of a bond, or a portfolio of bonds, the greater its price volatility will be in response to a change in interest rates. A bond's duration is inversely related to interest rates and directly related to time to maturity.

**Equity/Debt/Cash Ratio**<sup>1</sup> – The percentage of an investment or portfolio that is in Equity, Debt, and/or Cash (i.e. A 7/89/4 ratio represents an investment that is made up of 7% Equity, 89% Debt, and 4% Cash).

**Foreign Bond**<sup>3</sup> - A bond that is issued in a domestic market by a foreign entity, in the domestic market's currency. A foreign bond is most often issued by a foreign firm to raise capital in a domestic market that would be most interested in purchasing the firm's debt. For foreign firms doing a large amount of business in the domestic market, issuing foreign bonds is a common practice.

Hard Hurdle<sup>5</sup> – is a hurdle rate that once beaten allows a fund manager to charge a performance fee on only the funds above the specified hurdle rate.

**High-Water Mark**<sup>4</sup> - The highest peak in value that an investment fund/ account has reached. This term is often used in the context of fund manager compensation, which is performance based. Some performance-based fees only get paid when fund performance exceeds the high-water mark. The high-water mark ensures that the manager does not get paid large sums for poor performance.

**Hurdle Rate**<sup>4</sup> - The minimum rate of return on an investment required, in order for a manager to collect incentive fees from the investor, which is usually tied to a benchmark.

Interaction Effects<sup>2</sup> - The interaction effect measures the combined impact of an investment manager's selection and allocation decisions within a sector. For example, if an investment manager had superior selection and over weighted that particular sector, the interaction effect is positive. If an investment manager had superior selection, but underweighted that sector, the interaction effect is negative. In this case, the investment manager did not take advantage of the superior selection by allocating more assets to that sector. Since many investment managers consider the interaction effect to be part of the selection or the allocation, it is often combined with the either effect.

**Median**<sup>3</sup> - The value (rate of return, market sensitivity, etc.) that exceeds one-half of the values in the population and that is exceeded by one-half of the values. The median has a percentile rank of 50.

**Modified Duration**<sup>3</sup> - The percentage change in the price of a fixed income security that results from a change in yield.

Mortgage Backed Securities (MBS)<sup>3</sup> - Bonds which are a general obligation of the issuing institution but are also collateralized by a pool of mortgages.

**Municipal Bond (Muni)** <sup>4</sup> - A debt security issued by a state, municipality or county to finance its capital expenditures.

**Net Investment Change**<sup>1</sup> – Is the change in an investment after accounting for all Net Cash Flows.

**Performance Fee<sup>4</sup>** - A payment made to a fund manager for generating positive returns. The performance fee is generally calculated as a percentage of investment profits, often both realized and unrealized.

Data Source: <sup>1</sup>InvestorForce, <sup>2</sup>Interaction Effect Performance Attribution, <sup>3</sup>NEPC, LLC, <sup>4</sup>Investopedia, <sup>5</sup>Hedgeco.net

# Glossary of Investment Terminology

**Policy Index**<sup>3</sup> - A custom benchmark designed to indicate the returns that a passive investor would earn by consistently following the asset allocation targets set forth in this investment policy statement.

**Price to Book** (P/B)<sup>4</sup> - A ratio used to compare a stock's market value to its book value. It is calculated by dividing the current closing price of the stock by the latest quarter's book value per share, also known as the "price-equity ratio".

**Price to Earnings (P/E)**<sup>3</sup> - The weighted equity P/E is based on current price and trailing 12 months earnings per share (EPS).

**Price to Sales (P/S)**<sup>4</sup> - A ratio for valuing a stock relative to its own past performance, other companies, or the market itself. Price to sales is calculated by dividing a stock's current price by its revenue per share for the trailing 12 months.

**Return on Equity (ROE)**<sup>4</sup> - The amount of net income returned as a percentage of shareholders equity. Return on equity measures a corporation's profitability by revealing how much profit a company generates with the money shareholders have invested.

Selection (or Manager) Effect<sup>2</sup> - Measures the investment manager's ability to select securities within a given sector relative to a benchmark. The over or underperformance of the portfolio is weighted by the benchmark weight, therefore, selection is not affected by the manager's allocation to the sector. The weight of the sector in the portfolio determines the size of the effect—the larger the sector, the larger the effect is, positive or negative.

**Soft Hurdle rate**<sup>5</sup> – is a hurdle rate that once beaten allows a fund manager to charge a performance fee based on the entire annualized return.

**Tiered Fee<sup>1</sup>** – A fee structure that is paid to fund managers based on the size of the investment (i.e. 1.00% fee on the first \$10M invested, 0.90% on the next \$10M, and 0.80% on the remaining balance).

**Total Effects**<sup>2</sup> - The active management (total) effect is the sum of the selection, allocation, and interaction effects. It is also the difference between the total portfolio return and the total benchmark return. You can use the active management effect to determine the amount the investment manager has added to a portfolio's return.

**Total Return**<sup>1</sup> - The actual rate of return of an investment over a specified time period. Total return includes interest, capital gains, dividends, and distributions realized over a defined time period.

Universe<sup>3</sup> - The list of all assets eligible for inclusion in a portfolio.

**Upside Deviation**<sup>1</sup> – Standard Deviation of Positive Returns

**Weighted Avg. Market Cap.** <sup>4</sup> - A stock market index weighted by the market capitalization of each stock in the index. In such a weighting scheme, larger companies account for a greater portion of the index. Most indexes are constructed in this manner, with the best example being the S&P 500.

**Yield** (%)<sup>3</sup> - The current yield of a security is the current indicated annual dividend rate divided by current price.

**Yield to Maturity**<sup>3</sup> -The discount rate that equates the present value of cash flows, both principal and interest, to market price.

Data Source: 1 InvestorForce, 2 Interaction Effect Performance Attribution, 3 NEPC, LLC, 4 Investopedia, 5 Hedgeco.net



# Glossary of Investment Terminology—Risk Statistics

**Alpha** - Measures the relationship between the fund performance and the performance of another fund or benchmark index and equals the excess return while the other fund or benchmark index is zero.

**Alpha Jensen** - The average return on a portfolio over and above that predicted by the capital asset pricing model (CAPM), given the portfolio's beta and the average market return. Also known as the abnormal return or the risk adjusted excess return.

**Annualized Excess Return over Benchmark** - Annualized fund return minus the annualized benchmark return for the calculated return.

**Annualized Return** - A statistical technique whereby returns covering periods greater than one year are converted to cover a 12 month time span.

**Beta** - Measures the volatility or systematic risk and is equal to the change in the fund's performance in relation to the change in the assigned index's performance.

**Information Ratio** - A measure of the risk adjusted return of a financial security, asset, or portfolio.

#### Formula:

(Annualized Return of Portfolio - Annualized Return of Benchmark)/Annualized Standard Deviation(Period Portfolio Return – Period Benchmark Return). To annualize standard deviation, multiply the deviation by the square root of the number of periods per year where monthly returns per year equals 12 and quarterly returns is four periods per year.

**R-Squared** – Represents the percentage of a fund's movements that can be explained by movements in an index. R-Squared values range from 0 to 100. An R-Squared of 100 denotes that all movements of a fund are completely explained by movements in the index.

**Sharpe Ratio** - A measure of the excess return or risk premium per unit of risk in an investment asset or trading strategy.

**Sortino Ratio** - A method to differentiate between good and bad volatility in the Sharpe Ratio. The differentiation of up and down volatility allows the calculation to provide a risk adjusted measure of a security or fund's performance without upward price change penalties.

### Formula:

Calculation Average (X-Y)/Downside Deviation (X-Y) \* 2Where X=Return Series X Y = Return Series Y which is the risk free return (91 day T-bills) **Standard Deviation** - The standard deviation is a statistical term that describes the distribution of results. It is a commonly used measure of volatility of returns of a portfolio, asset class, or security. The higher the standard deviation the more volatile the returns are.

#### Formula:

(Annualized Return of Portfolio – Annualized Return of Risk Free) / Annualized Standard Deviation (Portfolio Returns)

**Tracking Error** - Tracking error, also known as residual risk, is a measure of the degree to which a portfolio tracks its benchmark. It is also a measure of consistency of excess returns. Tracking error is computed as the annualized standard deviation of the difference between a portfolio's return and that of its benchmark.

#### Formula:

Tracking Error = Standard Deviation  $(X-Y) * \sqrt{(\# of periods per year)}$ Where X = periods portfolio return and <math>Y = the period's benchmark returnFor monthly returns, the periods per year = 12 For quarterly returns, the periods per year = 4

**Treynor Ratio** - A risk-adjusted measure of return based on systematic risk. Similar to the Sharpe ratio with the difference being the Treynor ratio uses beta as the measurement of volatility.

#### Formula:

(Portfolio Average Return - Average Return of Risk-Free Rate)/Portfolio Beta

**Up/Down Capture Ratio** - A measure of what percentage of a market's returns is "captured" by a portfolio. For example, if the market declines 10% over some period, and the manager declines only 9%, then his or her capture ratio is 90%. In down markets, it is advantageous for a manager to have as low a capture ratio as possible. For up markets, the higher the capture ratio the better. Looking at capture ratios can provide insight into how a manager achieves excess returns. A value manager might typically have a lower capture ratio in both up and down markets, achieving excess returns by protecting on the downside, whereas a growth manager might fall more than the overall market in down markets, but achieve above-market returns in a rising market.

UpsideCapture = TotalReturn(FundReturns)/TotalReturns(BMReturn) when Period Benchmark Return is > = 0

DownsideCapture = TotalReturn(FundReturns)/TotalReturns(BMReturn) when Benchmark <0



# Information Disclaimer

- Past performance is no guarantee of future results.
- NEPC relies on the plan's custodian bank for portfolio pricing, calculation of accruals, and transaction information. Information on market indices and security characteristics is received from other sources external to NEPC. While NEPC has exercised reasonable professional care in preparing this report, we cannot guarantee the accuracy of all source information contained within.
- This report is provided as a management aid for the client's internal use only. Performance contained in this report does not constitute a recommendation by NEPC.
- This report may contain confidential or proprietary information and may not be copied or redistributed.