

Investment Performance Review
Period Ending December 31, 2017

Sunrise Police Retirement Plan



Table Of Contents

1	Compliance Report	Page 4
2	Asset Allocation Compliance Account Based	Page 6
3	Asset Allocation Compliance Segment Based	Page 8
4	Asset Allocation Pie Chart	Page 9
5	Comparative Performance Trailing Returns	Page 11
6	Comparative Performance Calendar Year	Page 14
7	Financial Reconciliation Quarter to Date	Page 17
8	Schedule of Investable Assets With Full Table	Page 18
9	Total Fund Composite Returns Based Analysis	Page 23
10	Historical Risk Statistics Total Equity	Page 29
11	Historical Risk Statistics Total Fixed Income	Page 30
12	Ceredex Returns Based Analysis	Page 31
13	Mutual of Americal Returns Based Analysis	Page 35
14	New Amsterdam Returns Based Analysis	Page 39
15	Vanguard International Returns Based Analysis	Page 41
16	JPM Intl Returns Based Analysis	Page 45
17	GHA A+ Returns Based Analysis	Page 47
18	GHA EXCL A+ Fixed Inc Returns Based Analysis	Page 51
19	Benchmark History	Page 55
20	Disclosures	Page 66
21	Definitions & Disclosure Pages	Page 67



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

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

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

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

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

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

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

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



Mike Welker, CFA®
President/CEO





MANAGEMENT

Mike Welker, CFA
President/CEO

Bryan Bakardjiev, CFA
Executive Director

Troy Brown, CFA
Executive Director

Steve Gordon
Executive Director

Kim Spurlin, CPA
Executive Director

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Domestic

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Head of Real Asset

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Asset Strategies

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Asset Strategies

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Associate

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Al DiCristofaro

Amy Heyel

Paul Murray

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Director of Client Solutions

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Nicole Hampton

Kim Hummel

Mary Ann Johnson

Rosemarie Kieskowski

Yoon Lee-Choi

Annie Lopez

Grace Niebrzydowski

Beth Porzelt

Jeff Pruniski

Albert Sauerland

Donna Sullivan

Brooke Wilson

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Jason Purdy
Director of IT

Jamie Utt
IT Systems Administrator

Jerry Camel
Director of Software Development

Tim Linger
Software Developer

Brandie Rivera
Controller

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Kim Goodearl
Head of RFP Team

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Meghan Haines
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Bonnie Burgess
Office Administrator

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Chief Compliance Officer

Sara Searle
Compliance Officer

INVESTMENT COMMITTEE

Matt DeConcini, Esq.
Chief Compliance Officer (Moderator)

Jack Evatt
Director/Senior Consultant

Jeff Gabrione, CFA
Director of Research

Dan Johnson
Director/Senior Consultant

Ian Jones
Senior Consultant

Jacob Peacock
Director of Retirement Solutions

 **87**
EMPLOYEES

29 ADVANCED DEGREES

20 CFA



6 CAIA



3 CIPM



Total Fund Compliance:	Yes	No
The total plan return equaled or exceeded the total plan benchmark over the trailing three and five year periods.		•
The three and five year total plan returns rank in the top 40% of the Fund's peers.	•	
The total plan return equaled or exceeded the 8% target rate of return over the trailing three year period.		•
The total plan return equaled or exceeded the 8% target rate of return over the trailing five year period.	•	
Equity Compliance:		
Ceredex Large Cap Value		
	Yes	No
The return equaled or exceeded its benchmark over the trailing three and five year periods.	•	
The five year return ranks in the top 40% of its peers.	•	
The amount invested in any one issuing company is less than or equal to 5% of the Manager's total fund.	•	
The aggregate investment in any one company is less than or equal to 5% of the outstanding shares of the company.	•	
Mutual of America		
	Yes	No
The return equaled or exceeded its benchmark over the trailing three and five year periods.		•
The three and five year return ranks in the top 40% of its peers.	•	
The amount invested in any one issuing company is less than or equal to 5% of the Manager's total fund.	•	
The aggregate investment in any one company is less than or equal to 5% of the outstanding shares of the company.	•	
New Amsterdam SMID Equity		
	Yes	No
The return equaled or exceeded its benchmark over the trailing three and five year periods. *		•
The three year return ranks in the top 40% of its peers.*		•
The amount invested in any one issuing company is less than or equal to 5% of the Manager's total fund.	•	
The aggregate investment in any one company is less than or equal to 5% of the outstanding shares of the company.	•	



Vanguard International Equity	Yes	No
The return equaled or exceeded its benchmark over the trailing three and five year periods. *	•	
The three and five year return ranks in the top 40% of its peers. *	•	
The amount invested in any one issuing company is less than or equal to 5% of the Manager's total fund.	•	
The aggregate investment in any one company is less than or equal to 5% of the outstanding shares of the company.	•	

JPM International Equity	Yes	No
The return equaled or exceeded its benchmark over the trailing three and five year periods. **	•	
The three and five year return ranks in the top 40% of its peers. **		•
The amount invested in any one issuing company is less than or equal to 5% of the Manager's total fund.	•	
The aggregate investment in any one company is less than or equal to 5% of the outstanding shares of the company.	•	

Fixed Income Compliance:

GHA Fixed Income BCAB A+	Yes	No
The return equaled or exceeded its benchmark over the trailing three and five year periods.	•	
The three and five year return ranks in the top 40% of its peers.		•
The amount invested in any one issuing company is less than or equal to 5% of the Manager's total fund.	•	
Are all the fixed income securities ranked in the top "3" categories by Standard & Poor's or Moody's.	•	

GHA Fixed Income BCIGC	Yes	No
The return equaled or exceeded its benchmark over the trailing three and five year periods.	•	
The three and five year return ranks in the top 40% of its peers.	•	
The amount invested in any one issuing company is less than or equal to 5% of the Manager's total fund.	•	
Are all the fixed income securities ranked in the top "3" categories by Standard & Poor's or Moody's.	•	

* Only 3 years available

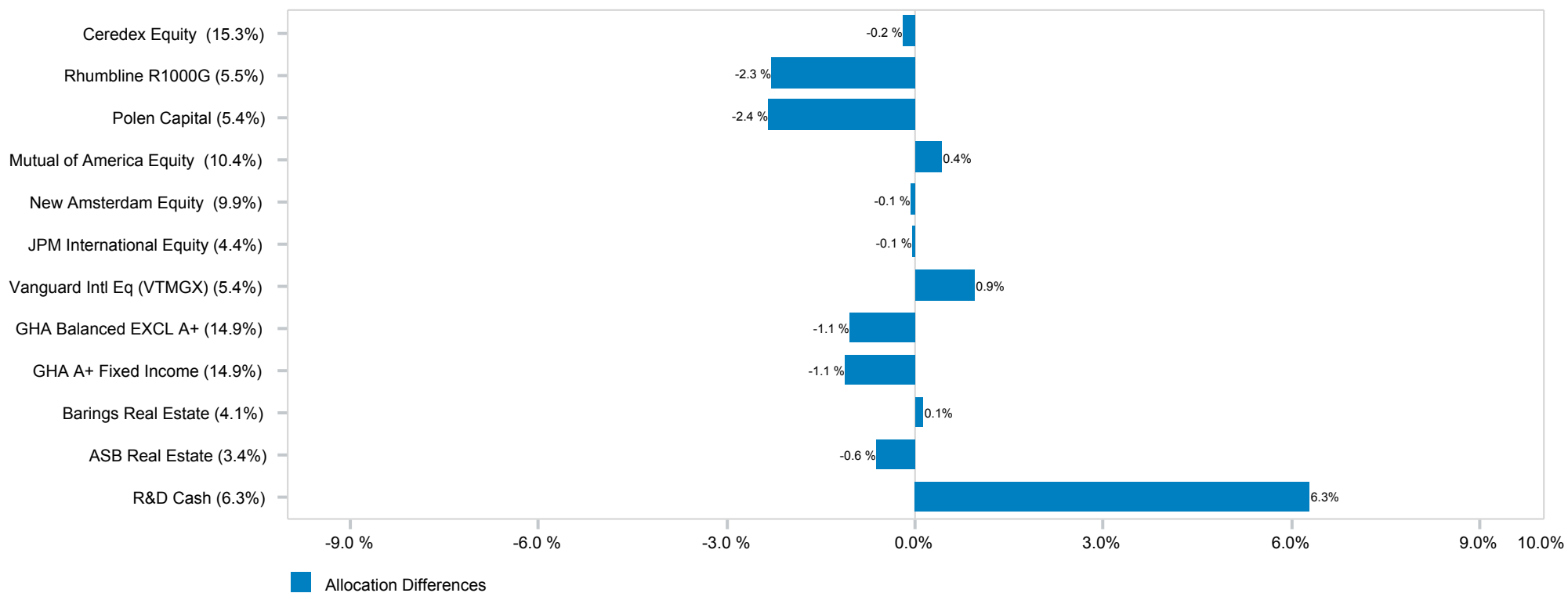
** Since Inception

Net performance used when available

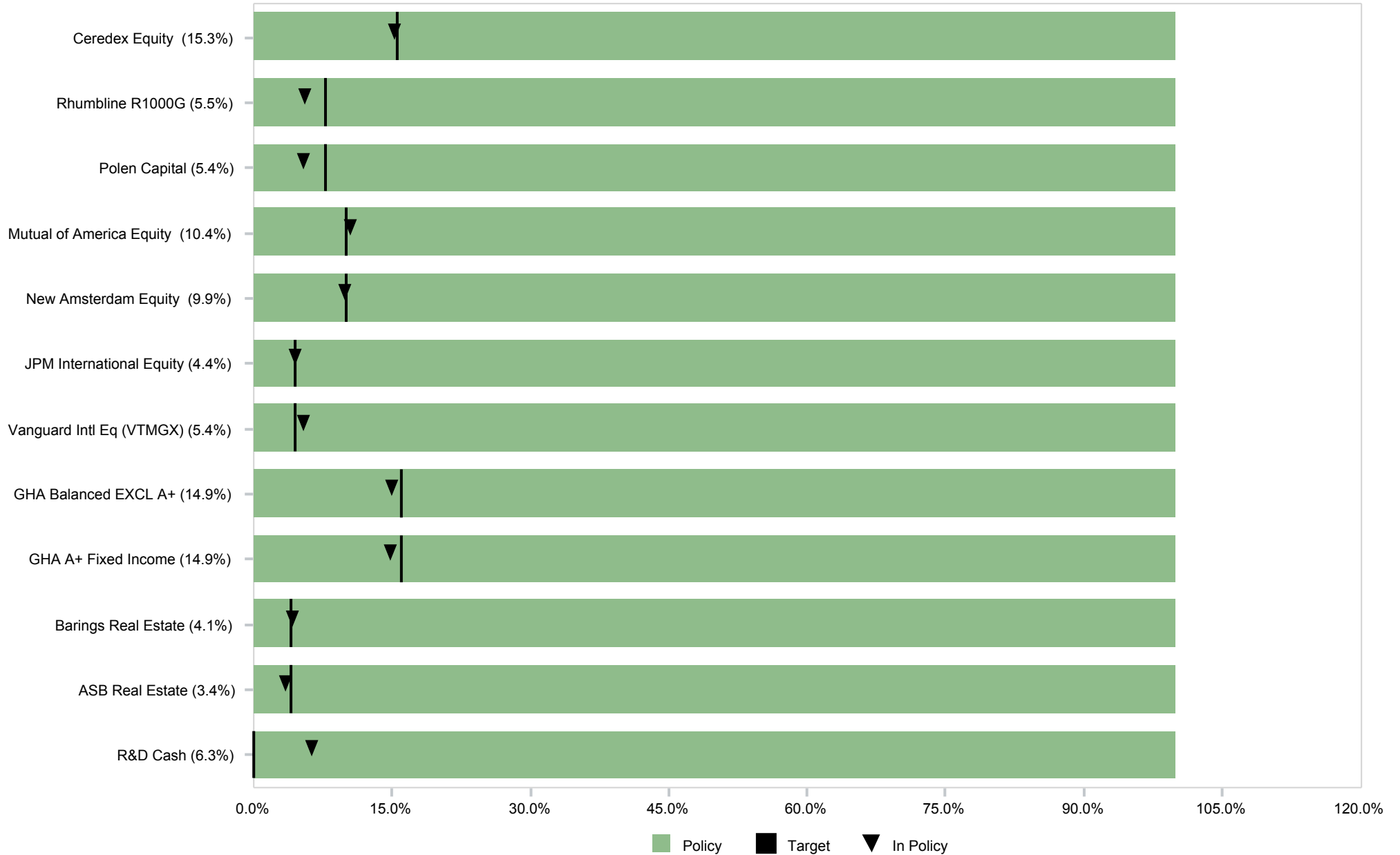


Asset Allocation Compliance

	Asset Allocation \$	Current Allocation (%)	Target Allocation (%)	Differences (%)	Target Rebal. (\$000)
Total Fund Composite	151,068,658	100.0	100.0	0.0	-
Ceredex Equity	23,106,332	15.3	15.5	-0.2	309,310
Rhumblin R1000G	8,253,838	5.5	7.8	-2.3	3,453,983
Polen Capital	8,149,337	5.4	7.8	-2.4	3,558,484
Mutual of America Equity	15,750,200	10.4	10.0	0.4	-643,334
New Amsterdam Equity	14,977,105	9.9	10.0	-0.1	129,761
JPM International Equity	6,721,312	4.4	4.5	-0.1	76,778
Vanguard Intl Eq (VTMGX)	8,216,914	5.4	4.5	0.9	-1,418,824
GHA Balanced EXCL A+	22,571,162	14.9	16.0	-1.1	1,599,823
GHA A+ Fixed Income	22,489,056	14.9	16.0	-1.1	1,681,929
Barings Real Estate	6,219,245	4.1	4.0	0.1	-176,499
ASB Real Estate	5,111,143	3.4	4.0	-0.6	931,603
R&D Cash	9,503,014	6.3	0.0	6.3	-9,503,014

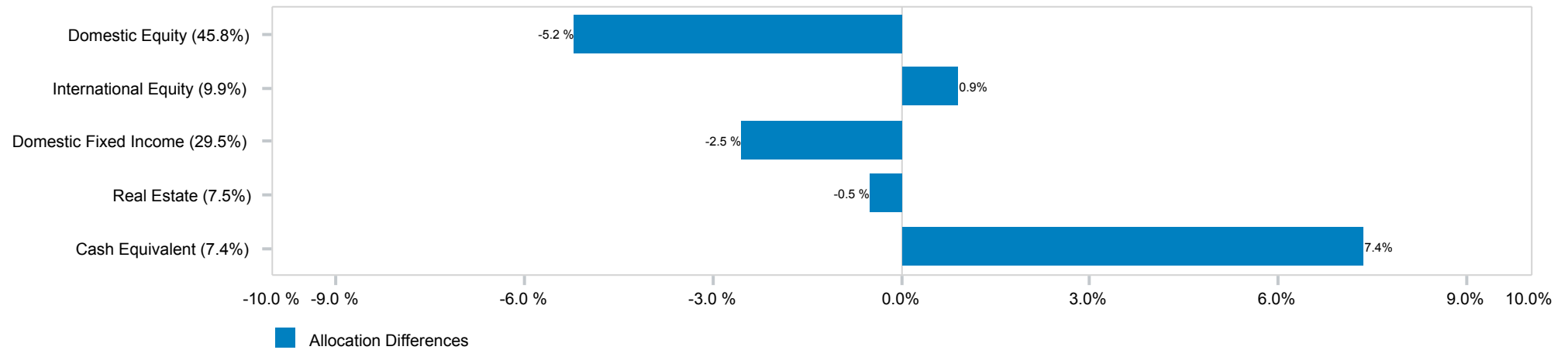


Executive Summary

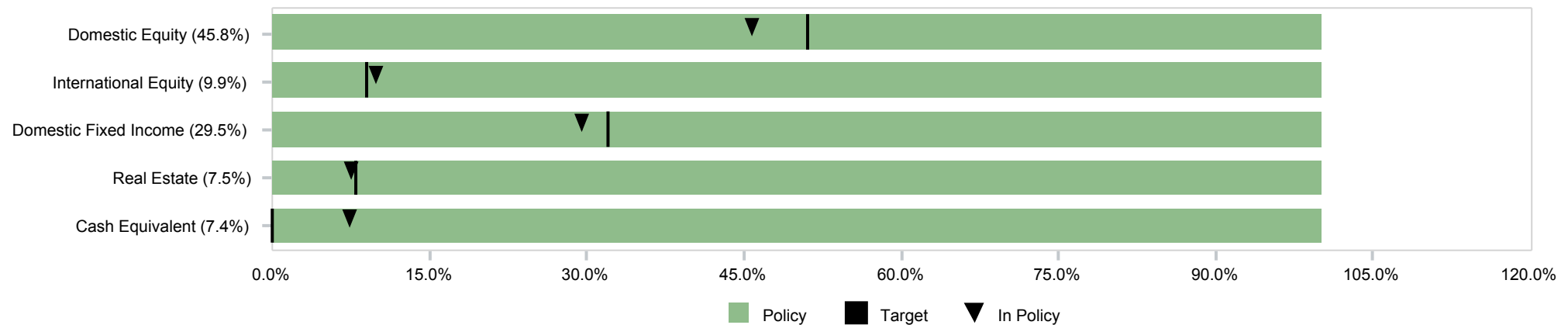


Asset Allocation Compliance

	Asset Allocation \$	Current Allocation (%)	Target Allocation (%)	Differences (%)	Target Rebal. (\$000)
Domestic Equity	69,183,813	45.8	51.0	-5.2	7,861,203
International Equity	14,938,226	9.9	9.0	0.9	-1,342,047
Domestic Fixed Income	44,504,569	29.5	32.0	-2.5	3,837,401
Real Estate	11,330,388	7.5	8.0	-0.5	755,105
Cash Equivalent	11,111,662	7.4	0.0	7.4	-11,111,662
Total Fund	151,068,658	100.0	100.0	0.0	-

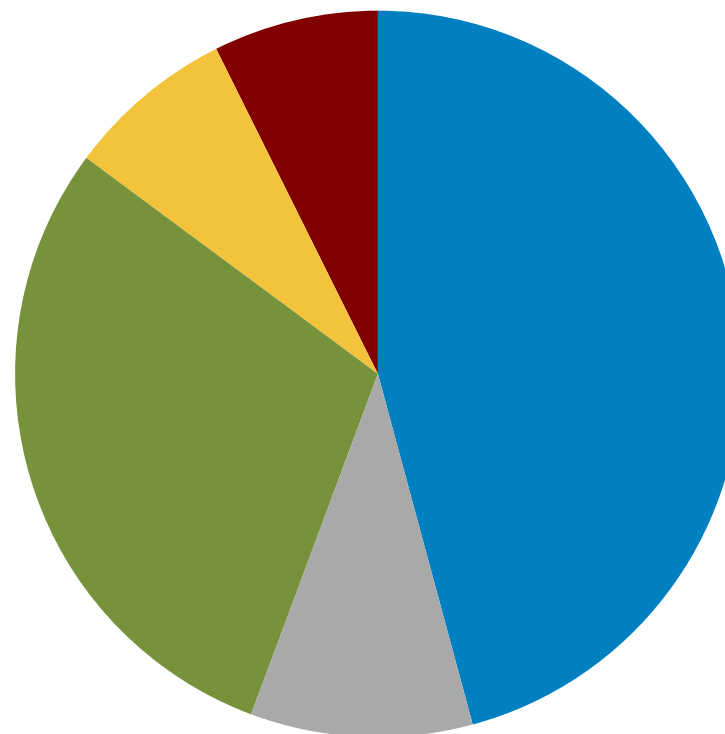
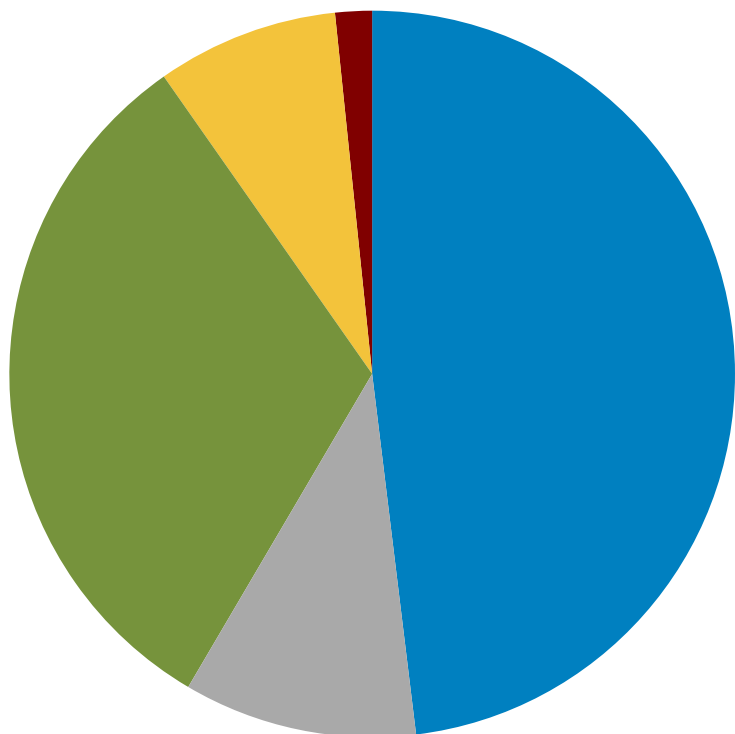


Executive Summary



Asset Allocation By Segment as of
 September 30, 2017 : \$137,781,854

Asset Allocation By Segment as of
 December 31, 2017 : \$151,068,658

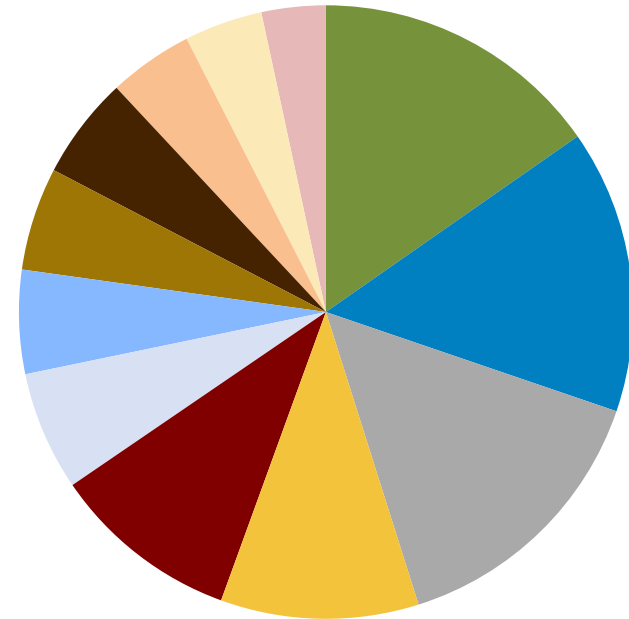
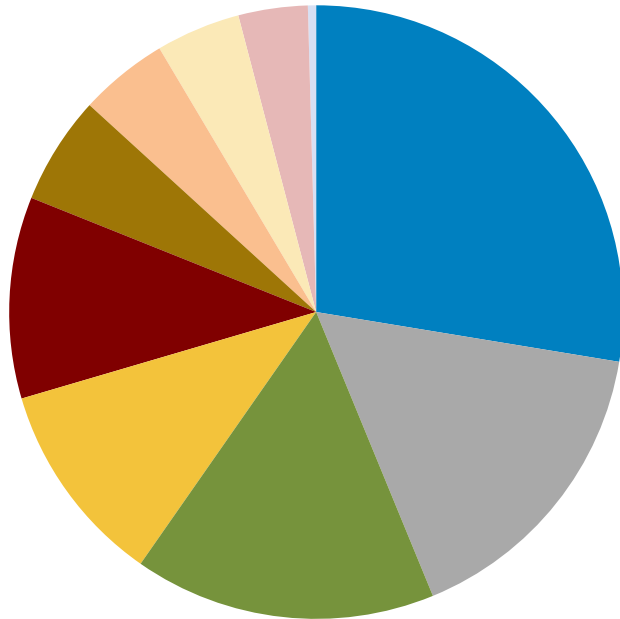


Allocation			Allocation		
Segments	Market Value	Allocation	Segments	Market Value	Allocation
■ Domestic Equity	66,229,307	48.1	■ Domestic Equity	69,183,813	45.8
■ International Equity	14,321,024	10.4	■ International Equity	14,938,226	9.9
■ Domestic Fixed Income	43,819,739	31.8	■ Domestic Fixed Income	44,504,569	29.5
■ Real Estate	11,154,742	8.1	■ Real Estate	11,330,388	7.5
■ Cash Equivalent	2,257,042	1.6	■ Cash Equivalent	11,111,662	7.4

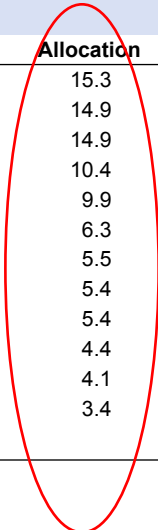


Asset Allocation By Manager as of
 September 30, 2017 : \$137,781,854

Asset Allocation By Manager as of
 December 31, 2017 : \$151,068,658



Allocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
GHA Balanced EXCL A+	38,017,866	27.6	Ceredex Equity	23,106,332	15.3
GHA A+ Fixed Income	22,323,537	16.2	GHA Balanced EXCL A+	22,571,162	14.9
Ceredex Equity	21,900,955	15.9	GHA A+ Fixed Income	22,489,056	14.9
Mutual of America Equity	14,828,625	10.8	Mutual of America Equity	15,750,200	10.4
New Amsterdam Equity	14,633,525	10.6	New Amsterdam Equity	14,977,105	9.9
Vanguard Intl Eq (VTMGX)	7,866,640	5.7	R&D Cash	9,503,014	6.3
JPM International Equity	6,454,384	4.7	Rhumblin R1000G	8,253,838	5.5
Barings Real Estate	6,131,081	4.4	Vanguard Intl Eq (VTMGX)	8,216,914	5.4
ASB Real Estate	5,023,661	3.6	Polen Capital	8,149,337	5.4
R&D Cash	601,580	0.4	JPM International Equity	6,721,312	4.4
Polen Capital	-	0.0	Barings Real Estate	6,219,245	4.1
Rhumblin R1000G	-	0.0	ASB Real Estate	5,111,143	3.4



Comparative Performance Trailing Returns

	QTR	YTD	FYTD	1 YR	3 YR	5 YR	Inception	Inception Date
Total Fund Composite (Gross)	3.17 (89)	12.46 (93)	3.17 (89)	12.46 (93)	7.03 (62)	9.21 (50)	6.40 (66)	01/01/1998
Total Fund Policy Index	3.74 (51)	13.36 (85)	3.74 (51)	13.36 (85)	7.31 (48)	9.30 (47)	6.49 (62)	
Difference	-0.57	-0.90	-0.57	-0.90	-0.28	-0.09	-0.09	
All Public Plans-Total Fund Median	3.74	15.38	3.74	15.38	7.22	9.21	6.66	
Total Fund Composite (Net)	3.08	12.07	3.08	12.07	6.67	8.81	6.05	01/01/1998
Total Fund Policy Index	3.74	13.36	3.74	13.36	7.31	9.30	6.49	
Difference	-0.66	-1.29	-0.66	-1.29	-0.64	-0.49	-0.44	
Total Equity Composite (Gross)	5.20	19.23	5.20	19.23	10.34	13.85	6.27	01/01/1998
Total Equity Policy Index	5.97	20.59	5.97	20.59	10.65	14.31	7.09	
Difference	-0.77	-1.36	-0.77	-1.36	-0.31	-0.46	-0.82	
Total Domestic Equity								
Ceredex Equity (Gross)	6.14 (54)	17.01 (54)	6.14 (54)	17.01 (54)	9.49 (56)	14.74 (53)	15.15 (50)	01/01/2012
Russell 1000 Value Index	5.33 (74)	13.66 (88)	5.33 (74)	13.66 (88)	8.65 (74)	14.04 (68)	14.61 (62)	
Difference	0.81	3.35	0.81	3.35	0.84	0.70	0.54	
IM U.S. Large Cap Value Equity (SA+CF) Median	6.29	17.23	6.29	17.23	9.76	14.83	15.13	
Ceredex Equity (Net)	6.00	16.37	6.00	16.37	8.88	14.10	14.51	01/01/2012
Russell 1000 Value Index	5.33	13.66	5.33	13.66	8.65	14.04	14.61	
Difference	0.67	2.71	0.67	2.71	0.23	0.06	-0.10	
Polen Capital (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	01/01/2018
Russell 1000 Growth Index	7.86 (22)	30.21 (39)	7.86 (22)	30.21 (39)	13.79 (24)	17.33 (30)	N/A	
Difference	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
IM U.S. Large Cap Growth Equity (SA+CF) Median	6.94	28.33	6.94	28.33	12.15	16.55	N/A	
Polen Capital (Net)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	01/01/2018
Russell 1000 Growth Index	7.86	30.21	7.86	30.21	13.79	17.33	N/A	
Difference	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Rhumblin R1000G (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	01/01/2018
Russell 1000 Growth Index	7.86 (22)	30.21 (39)	7.86 (22)	30.21 (39)	13.79 (24)	17.33 (30)	N/A	
Difference	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
IM U.S. Large Cap Growth Equity (SA+CF) Median	6.94	28.33	6.94	28.33	12.15	16.55	N/A	
Rhumblin R1000G (Net)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	01/01/2018
Russell 1000 Growth Index	7.86 (22)	30.21 (39)	7.86 (22)	30.21 (39)	13.79 (24)	17.33 (30)	N/A	
Difference	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
IM U.S. Large Cap Growth Equity (SA+CF) Median	6.94	28.33	6.94	28.33	12.15	16.55	N/A	

Returns for periods greater than one year are annualized. Returns are expressed as percentages.



**Comparative Performance
Total Fund**

As of December 31, 2017

	QTR	YTD	FYTD	1 YR	3 YR	5 YR	Inception	Inception Date
Mutual of America Equity (Gross)	6.25 (29)	16.05 (61)	6.25 (29)	16.05 (61)	11.04 (17)	14.89 (22)	11.15 (10)	04/01/2008
S&P MidCap 400 Index	6.25 (29)	16.24 (60)	6.25 (29)	16.24 (60)	11.14 (16)	15.01 (20)	11.29 (7)	
Difference	0.00	-0.19	0.00	-0.19	-0.10	-0.12	-0.14	
IM U.S. Mid Cap Equity (MF) Median	5.55	18.71	5.55	18.71	8.83	13.48	9.34	
Mutual of America Equity (Net)	6.23	15.97	6.23	15.97	10.97	14.82	11.07	04/01/2008
S&P MidCap 400 Index	6.25	16.24	6.25	16.24	11.14	15.01	11.29	
Difference	-0.02	-0.27	-0.02	-0.27	-0.17	-0.19	-0.22	
New Amsterdam Equity (Gross)	2.48 (78)	9.88 (63)	2.48 (78)	9.88 (63)	10.37 (54)	N/A	10.37 (54)	01/01/2015
Russell 2500 Index	5.24 (23)	16.81 (16)	5.24 (23)	16.81 (16)	10.07 (57)	14.33 (56)	10.07 (57)	
Difference	-2.76	-6.93	-2.76	-6.93	0.30	N/A	0.30	
IM U.S. Small Cap Value Equity (SA+CF) Median	3.71	11.64	3.71	11.64	10.50	14.56	10.50	
New Amsterdam Equity (Net)	2.36	9.36	2.36	9.36	9.88	N/A	9.88	01/01/2015
Russell 2500 Index	5.24	16.81	5.24	16.81	10.07	14.33	10.07	
Difference	-2.88	-7.45	-2.88	-7.45	-0.19	N/A	-0.19	
Total International Equity								
Vanguard Intl Eq (VTMGX) (Net)	4.45 (54)	26.40 (65)	4.45 (54)	26.40 (65)	8.92 (40)	N/A	8.41 (36)	07/01/2013
MSCI EAFE Index	4.27 (58)	25.62 (69)	4.27 (58)	25.62 (69)	8.30 (52)	8.39 (29)	8.30 (38)	
Difference	0.18	0.78	0.18	0.78	0.62	N/A	0.11	
IM International Equity (MF) Median	4.67	28.78	4.67	28.78	8.35	7.13	7.67	
JPM International Equity (Net)	4.14 (75)	28.65 (61)	4.14 (75)	28.65 (61)	N/A	N/A	14.80 (67)	10/01/2015
MSCI EAFE Index	4.27 (72)	25.62 (77)	4.27 (72)	25.62 (77)	8.30 (72)	8.39 (58)	13.73 (76)	
Difference	-0.13	3.03	-0.13	3.03	N/A	N/A	1.07	
IM International Equity (SA+CF) Median	5.56	30.83	5.56	30.83	9.80	8.99	16.77	

Returns for periods greater than one year are annualized. Returns are expressed as percentages.



Comparative Performance

Total Fund

As of December 31, 2017

	QTR	YTD	FYTD	1 YR	3 YR	5 YR	Inception	Inception Date
Total Fixed Income Composite (Gross)	0.50	3.02	0.50	3.02	2.37	2.70	5.72	01/01/1998
Total Fixed Income Policy Index	0.03	2.54	0.03	2.54	1.85	1.68	4.42	
Difference	0.47	0.48	0.47	0.48	0.52	1.02	1.30	
GHA A+ Fixed Income (Gross)	0.82 (8)	3.74 (71)	0.82 (8)	3.74 (71)	2.48 (68)	2.95 (18)	5.81 (1)	01/01/2007
Blmbg. Barc. U.S. Aggregate: A+	0.26 (95)	2.94 (97)	0.26 (95)	2.94 (97)	1.95 (98)	1.86 (99)	4.02 (96)	
Difference	0.56	0.80	0.56	0.80	0.53	1.09	1.79	
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	0.52	4.04	0.52	4.04	2.62	2.50	4.75	
GHA A+ Fixed Income (Net)	0.76	3.48	0.76	3.48	2.23	2.69	5.55	01/01/2007
Blmbg. Barc. U.S. Aggregate: A+	0.26	2.94	0.26	2.94	1.95	1.86	4.02	
Difference	0.50	0.54	0.50	0.54	0.28	0.83	1.53	
GHA EXCL A+ Fixed Income (Gross)	0.17 (23)	2.24 (81)	0.17 (23)	2.24 (81)	2.24 (39)	2.41 (17)	5.46 (8)	01/01/1998
Bloomberg Barclays Intermediate US Govt/Credit Idx	-0.20 (94)	2.14 (85)	-0.20 (94)	2.14 (85)	1.76 (86)	1.50 (87)	4.53 (90)	
Difference	0.37	0.10	0.37	0.10	0.48	0.91	0.93	
IM U.S. Intermediate Duration (SA+CF) Median	0.01	2.57	0.01	2.57	2.12	1.87	4.90	
Total Real Estate (Gross)	1.87 (78)	N/A	1.87 (78)	N/A	N/A	N/A	3.60 (N/A)	06/01/2017
NCREIF Fund Index-Open End Diversified Core (EW)	2.12 (54)	7.76 (62)	2.12 (54)	7.76 (62)	10.69 (57)	11.53 (69)	5.83 (N/A)	
Difference	-0.25	N/A	-0.25	N/A	N/A	N/A	-2.23	
IM U.S. Open End Private Real Estate (SA+CF) Median	2.20	8.39	2.20	8.39	11.03	12.22	N/A	
Barings Real Estate (Gross)	1.71 (94)	N/A	1.71 (94)	N/A	N/A	N/A	4.21 (58)	07/01/2017
NCREIF Fund Index-Open End Diversified Core (EW)	2.12 (54)	7.76 (62)	2.12 (54)	7.76 (62)	10.69 (57)	11.53 (69)	4.05 (71)	
Difference	-0.41	N/A	-0.41	N/A	N/A	N/A	0.16	
IM U.S. Open End Private Real Estate (SA+CF) Median	2.20	8.39	2.20	8.39	11.03	12.22	4.27	
Barings Real Estate (Net)	1.44	N/A	1.44	N/A	N/A	N/A	3.65	07/01/2017
NCREIF Fund Index-Open End Diversified Core (EW)	2.12	7.76	2.12	7.76	10.69	11.53	4.05	
Difference	-0.68	N/A	-0.68	N/A	N/A	N/A	-0.40	
ASB Real Estate (Gross)	2.06 (63)	N/A	2.06 (63)	N/A	N/A	N/A	2.86 (N/A)	06/01/2017
NCREIF Fund Index-Open End Diversified Core (EW)	2.12 (54)	7.76 (62)	2.12 (54)	7.76 (62)	10.69 (57)	11.53 (69)	5.83 (N/A)	
Difference	-0.06	N/A	-0.06	N/A	N/A	N/A	-2.97	
IM U.S. Open End Private Real Estate (SA+CF) Median	2.20	8.39	2.20	8.39	11.03	12.22	N/A	
ASB Real Estate (Net)	1.74	N/A	1.74	N/A	N/A	N/A	2.22	06/01/2017
NCREIF Fund Index-Open End Diversified Core (EW)	2.12	7.76	2.12	7.76	10.69	11.53	5.83	
Difference	-0.38	N/A	-0.38	N/A	N/A	N/A	-3.61	

Returns for periods greater than one year are annualized. Returns are expressed as percentages.



Comparative Performance Fiscal Year to Date

	FYTD	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013	Oct-2011 To Sep-2012	Oct-2010 To Sep-2011	Oct-2009 To Sep-2010
Total Fund Composite (Gross)	3.17 (89)	11.66 (64)	9.56 (54)	0.60 (24)	9.19 (72)	13.87 (26)	18.40 (38)	1.31 (26)	9.86 (52)
Total Fund Policy Index	3.74 (51)	10.90 (78)	10.01 (39)	0.59 (24)	9.47 (65)	13.44 (35)	18.12 (46)	1.19 (27)	11.64 (14)
Difference	-0.57	0.76	-0.45	0.01	-0.28	0.43	0.28	0.12	-1.78
All Public Plans-Total Fund Median	3.74	12.18	9.67	-0.51	10.16	12.50	17.98	0.29	9.92
Total Fund Composite (Net)	3.08	11.28	9.25	0.22	8.71	13.36	17.84	0.85	9.28
Total Fund Policy Index	3.74	10.90	10.01	0.59	9.47	13.44	18.12	1.19	11.64
Difference	-0.66	0.38	-0.76	-0.37	-0.76	-0.08	-0.28	-0.34	-2.36
Total Equity Composite (Gross)	5.20	19.33	13.45	-1.15	12.14	23.86	25.54	-0.21	11.03
Total Equity Policy Index	5.97	18.53	13.79	-1.26	13.94	24.01	27.57	-1.42	13.35
Difference	-0.77	0.80	-0.34	0.11	-1.80	-0.15	-2.03	1.21	-2.32
Total Domestic Equity									
Ceredex Equity (Gross)	6.14 (54)	17.71 (55)	16.57 (23)	-5.35 (71)	17.16 (65)	26.65 (26)	N/A	N/A	N/A
Russell 1000 Value Index	5.33 (74)	15.12 (77)	16.19 (26)	-4.42 (65)	18.89 (42)	22.30 (61)	30.92 (26)	-1.89 (62)	8.90 (55)
Difference	0.81	2.59	0.38	-0.93	-1.73	4.35	N/A	N/A	N/A
IM U.S. Large Cap Value Equity (SA+CF) Median	6.29	17.99	13.21	-3.29	18.35	23.76	28.21	-0.99	9.29
Ceredex Equity (Net)	6.00	17.06	15.91	-5.89	16.50	25.93	N/A	N/A	N/A
Russell 1000 Value Index	5.33	15.12	16.19	-4.42	18.89	22.30	30.92	-1.89	8.90
Difference	0.67	1.94	-0.28	-1.47	-2.39	3.63	N/A	N/A	N/A
GHA LCG (Gross)	6.05 (72)	21.48 (41)	13.71 (23)	1.52 (72)	17.32 (59)	12.80 (99)	27.88 (49)	3.11 (35)	12.33 (37)
Russell 1000 Growth Index	7.86 (22)	21.94 (36)	13.76 (22)	3.17 (55)	19.15 (39)	19.27 (64)	29.19 (38)	3.78 (30)	12.65 (35)
Difference	-1.81	-0.46	-0.05	-1.65	-1.83	-6.47	-1.31	-0.67	-0.32
IM U.S. Large Cap Growth Equity (SA+CF) Median	6.94	20.81	11.69	3.61	18.11	20.26	27.64	1.37	11.27
Polen Capital (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Russell 1000 Growth Index	7.86 (22)	21.94 (36)	13.76 (22)	3.17 (55)	19.15 (39)	19.27 (64)	29.19 (38)	3.78 (30)	12.65 (35)
Difference	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IM U.S. Large Cap Growth Equity (SA+CF) Median	6.94	20.81	11.69	3.61	18.11	20.26	27.64	1.37	11.27
Polen Capital (Net)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Russell 1000 Growth Index	7.86 (22)	21.94 (36)	13.76 (22)	3.17 (55)	19.15 (39)	19.27 (64)	29.19 (38)	3.78 (30)	12.65 (35)
Difference	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IM U.S. Large Cap Growth Equity (SA+CF) Median	6.94	20.81	11.69	3.61	18.11	20.26	27.64	1.37	11.27

Returns for periods greater than one year are annualized. Returns are expressed as percentages.



Comparative Performance

Total Fund

As of December 31, 2017

	FYTD	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013	Oct-2011 To Sep-2012	Oct-2010 To Sep-2011	Oct-2009 To Sep-2010
Rhumblin R1000G (Gross)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Russell 1000 Growth Index	7.86 (22)	21.94 (36)	13.76 (22)	3.17 (55)	19.15 (39)	19.27 (64)	29.19 (38)	3.78 (30)	12.65 (35)
Difference	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IM U.S. Large Cap Growth Equity (SA+CF) Median	6.94	20.81	11.69	3.61	18.11	20.26	27.64	1.37	11.27
Rhumblin R1000G (Net)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Russell 1000 Growth Index	7.86 (22)	21.94 (36)	13.76 (22)	3.17 (55)	19.15 (39)	19.27 (64)	29.19 (38)	3.78 (30)	12.65 (35)
Difference	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IM U.S. Large Cap Growth Equity (SA+CF) Median	6.94	20.81	11.69	3.61	18.11	20.26	27.64	1.37	11.27
Mutual of America Equity (Gross)	6.25 (29)	17.31 (41)	15.25 (14)	1.41 (35)	11.52 (51)	27.64 (42)	28.61 (26)	-1.27 (39)	17.60 (25)
S&P MidCap 400 Index	6.25 (29)	17.52 (39)	15.33 (14)	1.40 (35)	11.82 (49)	27.68 (41)	28.54 (26)	-1.28 (39)	17.78 (23)
Difference	0.00	-0.21	-0.08	0.01	-0.30	-0.04	0.07	0.01	-0.18
IM U.S. Mid Cap Equity (MF) Median	5.55	16.49	10.55	-0.44	11.58	27.06	25.56	-2.51	15.33
Mutual of America Equity (Net)	6.23	17.23	15.17	1.35	11.48	27.55	28.54	-1.32	17.36
S&P MidCap 400 Index	6.25	17.52	15.33	1.40	11.82	27.68	28.54	-1.28	17.78
Difference	-0.02	-0.29	-0.16	-0.05	-0.34	-0.13	0.00	-0.04	-0.42
New Amsterdam Equity (Gross)	2.48 (78)	20.56 (49)	8.62 (94)	N/A	N/A	N/A	N/A	N/A	N/A
Russell 2500 Index	5.24 (23)	17.79 (76)	14.44 (61)	0.38 (54)	8.97 (32)	29.79 (64)	30.93 (52)	-2.22 (42)	15.92 (40)
Difference	-2.76	2.77	-5.82	N/A	N/A	N/A	N/A	N/A	N/A
IM U.S. Small Cap Value Equity (SA+CF) Median	3.71	20.45	15.68	0.72	7.04	30.97	31.08	-3.02	14.98
New Amsterdam Equity (Net)	2.36	19.99	8.11	N/A	N/A	N/A	N/A	N/A	N/A
Russell 2500 Index	5.24	17.79	14.44	0.38	8.97	29.79	30.93	-2.22	15.92
Difference	-2.88	2.20	-6.33	N/A	N/A	N/A	N/A	N/A	N/A
Total International Equity									
Vanguard Intl Eq (VTMGX) (Net)	4.45 (54)	19.25 (52)	8.03 (58)	-7.90 (43)	4.01 (54)	N/A	N/A	N/A	N/A
MSCI EAFE Index	4.27 (58)	19.65 (47)	7.06 (64)	-8.27 (45)	4.70 (44)	24.29 (19)	14.33 (66)	-8.94 (24)	3.71 (74)
Difference	0.18	-0.40	0.97	0.37	-0.69	N/A	N/A	N/A	N/A
IM International Equity (MF) Median	4.67	19.31	9.22	-9.18	4.25	17.79	16.18	-12.11	8.63
JPM International Equity (Net)	4.14 (75)	18.60 (70)	10.45 (56)	N/A	N/A	N/A	N/A	N/A	N/A
MSCI EAFE Index	4.27 (72)	19.65 (61)	7.06 (76)	-8.27 (50)	4.70 (62)	24.29 (33)	14.33 (72)	-8.94 (45)	3.71 (80)
Difference	-0.13	-1.05	3.39	N/A	N/A	N/A	N/A	N/A	N/A
IM International Equity (SA+CF) Median	5.56	21.00	11.48	-8.28	5.80	20.15	17.31	-9.58	9.60

Returns for periods greater than one year are annualized. Returns are expressed as percentages.



Comparative Performance

Total Fund

As of December 31, 2017

	FYTD	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013	Oct-2011 To Sep-2012	Oct-2010 To Sep-2011	Oct-2009 To Sep-2010
Total Fixed Income Composite (Gross)	0.50	0.36	4.79	3.51	5.32	0.01	10.47	3.21	9.38
Total Fixed Income Policy Index	0.03	-0.09	4.01	3.06	2.79	-1.09	4.40	4.35	7.68
Difference	0.47	0.45	0.78	0.45	2.53	1.10	6.07	-1.14	1.70
GHA A+ Fixed Income (Gross)	0.82 (8)	0.23 (71)	5.53 (61)	3.53 (12)	5.87 (10)	-0.17 (13)	10.68 (2)	4.02 (92)	9.90 (32)
Blmbg. Barc. U.S. Aggregate: A+	0.26 (95)	-0.42 (100)	4.50 (96)	3.44 (17)	3.39 (95)	-1.68 (80)	4.40 (98)	5.30 (47)	7.59 (94)
Difference	0.56	0.65	1.03	0.09	2.48	1.51	6.28	-1.28	2.31
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	0.52	0.61	5.66	3.02	4.49	-1.26	6.61	5.26	9.24
GHA A+ Fixed Income (Net)	0.76	-0.02	5.27	3.27	5.62	-0.43	10.42	3.77	9.62
Blmbg. Barc. U.S. Aggregate: A+	0.26	-0.42	4.50	3.44	3.39	-1.68	4.40	5.30	7.59
Difference	0.50	0.40	0.77	-0.17	2.23	1.25	6.02	-1.53	2.03
GHA EXCL A+ Fixed Income (Gross)	0.17 (23)	0.52 (68)	4.03 (42)	3.45 (8)	4.56 (11)	0.18 (27)	9.98 (3)	2.13 (96)	8.69 (33)
Bloomberg Barclays Intermediate US Govt/Credit Idx	-0.20 (94)	0.23 (88)	3.52 (76)	2.68 (52)	2.20 (84)	-0.50 (66)	4.40 (81)	3.40 (61)	7.77 (68)
Difference	0.37	0.29	0.51	0.77	2.36	0.68	5.58	-1.27	0.92
IM U.S. Intermediate Duration (SA+CF) Median	0.01	0.70	3.91	2.70	2.89	-0.27	5.56	3.61	8.26
Total Real Estate (Gross)	1.87 (78)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NCREIF Fund Index-Open End Diversified Core (EW)	2.12 (54)	7.81 (59)	10.62 (69)	14.71 (62)	12.39 (68)	12.47 (67)	11.77 (66)	18.03 (41)	6.14 (52)
Difference	-0.25	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IM U.S. Open End Private Real Estate (SA+CF) Median	2.20	8.17	11.32	15.45	12.78	13.18	12.90	16.62	6.39
Barings Real Estate (Gross)	1.71 (94)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NCREIF Fund Index-Open End Diversified Core (EW)	2.12 (54)	7.81 (59)	10.62 (69)	14.71 (62)	12.39 (68)	12.47 (67)	11.77 (66)	18.03 (41)	6.14 (52)
Difference	-0.41	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IM U.S. Open End Private Real Estate (SA+CF) Median	2.20	8.17	11.32	15.45	12.78	13.18	12.90	16.62	6.39
Barings Real Estate (Net)	1.44	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NCREIF Fund Index-Open End Diversified Core (EW)	2.12	7.81	10.62	14.71	12.39	12.47	11.77	18.03	6.14
Difference	-0.68	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ASB Real Estate (Gross)	2.06 (63)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NCREIF Fund Index-Open End Diversified Core (EW)	2.12 (54)	7.81 (59)	10.62 (69)	14.71 (62)	12.39 (68)	12.47 (67)	11.77 (66)	18.03 (41)	6.14 (52)
Difference	-0.06	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IM U.S. Open End Private Real Estate (SA+CF) Median	2.20	8.17	11.32	15.45	12.78	13.18	12.90	16.62	6.39
ASB Real Estate (Net)	1.74	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NCREIF Fund Index-Open End Diversified Core (EW)	2.12	7.81	10.62	14.71	12.39	12.47	11.77	18.03	6.14
Difference	-0.38	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Returns for periods greater than one year are annualized. Returns are expressed as percentages.

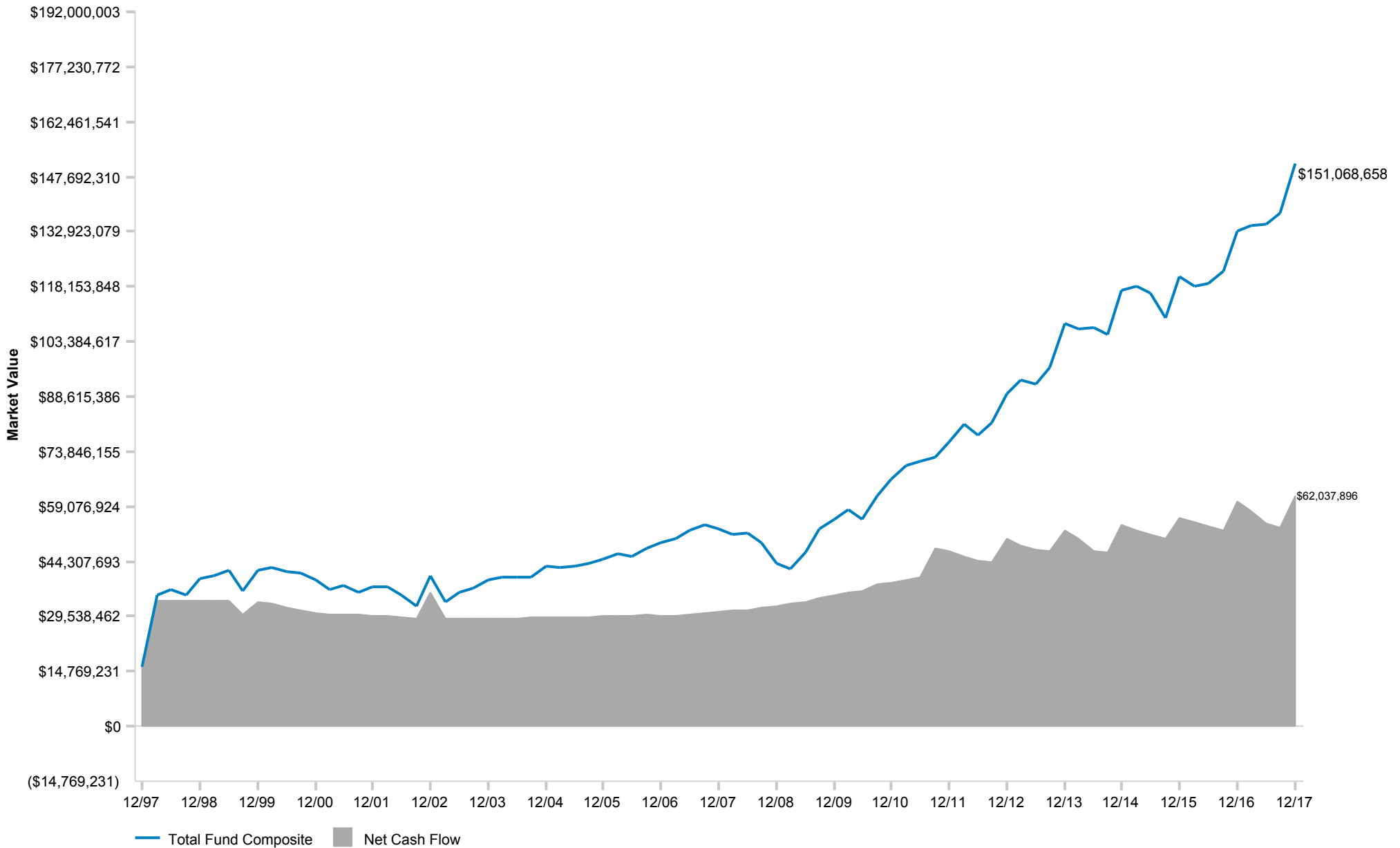


Financial Reconciliation
Total Fund
1 Quarter Ending December 31, 2017

Financial Reconciliation Quarter to Date					
	Market Value 10/01/2017	Apprec./ Deprec.	Income	Management Fees	Market Value 12/31/2017
Ceredex Equity	21,900,955	1,202,367	138,403	-30,180	23,106,332
Polen Capital	-	78,167	621	-	8,149,337
Rhumblin R1000G	-	-50,998	-	-	8,253,838
Mutual of America Equity	14,828,625	810,306	115,950	-2,512	15,750,200
New Amsterdam Equity	14,633,525	293,013	69,835	-17,128	14,977,105
Vanguard Intl Eq (VTMGX)	7,866,640	272,003	78,271	-	8,216,914
JPM International Equity	6,454,384	266,928	-	-	6,721,312
GHA A+ Fixed Income	22,323,537	46,399	136,345	-13,951	22,489,056
GHA Balanced EXCL A+	38,017,866	844,772	128,985	-39,384	22,571,162
Barings Real Estate	6,131,081	43,680	61,344	-16,860	6,219,245
ASB Real Estate	5,023,661	56,186	47,239	-15,943	5,111,143
R&D Cash	601,580	1	16,598	-	9,503,014
Total Fund Composite	137,781,854	3,862,823	793,591	-135,958	151,068,658



Schedule of Investable Assets



Schedule of Investable Assets
Total Fund
Since Inception Ending December 31, 2017

Schedule of Investable Assets

Periods Ending	Beginning Market Value \$	Contributions \$	Withdrawals \$	Net Cash Flow \$	Gain/Loss \$	Ending Market Value \$	%Return
Dec-1997	-	-	-	-	-	15,998,300	N/A
Mar-1998	15,998,300	17,675,917	-	17,675,917	1,591,809	35,266,026	9.95
Jun-1998	35,266,026	237,384	-	237,384	1,275,793	36,779,203	3.61
Sep-1998	36,779,203	-	34,946	-34,946	-1,362,667	35,381,590	-3.71
Dec-1998	35,381,590	-	84,404	-84,404	4,428,727	39,725,913	12.53
Mar-1999	39,725,913	45,809	-	45,809	571,996	40,343,718	1.44
Jun-1999	40,343,718	-	83,881	-83,881	1,732,162	41,991,999	4.30
Sep-1999	41,991,999	-	3,513,461	-3,513,461	-1,997,343	36,481,195	-4.88
Dec-1999	36,481,195	3,141,344	-	3,141,344	2,286,800	41,909,339	6.31
Mar-2000	41,909,339	-	531,269	-531,269	1,445,328	42,823,398	3.47
Jun-2000	42,823,398	-	986,106	-986,106	-362,829	41,474,463	-0.86
Sep-2000	41,474,463	-	690,560	-690,560	215,472	40,999,375	0.52
Dec-2000	40,999,375	-	577,326	-577,326	-951,616	39,470,433	-2.34
Mar-2001	39,470,433	-	393,550	-393,550	-2,158,027	36,918,856	-5.50
Jun-2001	36,918,856	-	225,319	-225,319	1,167,090	37,860,627	3.17
Sep-2001	37,860,627	40,297	-	40,297	-2,075,500	35,825,424	-5.47
Dec-2001	35,825,424	-	184,219	-184,219	1,729,006	37,370,211	4.84
Mar-2002	37,370,211	-	223,926	-223,926	278,998	37,425,283	0.75
Jun-2002	37,425,283	-	348,391	-348,391	-1,937,612	35,139,280	-5.21
Sep-2002	35,139,280	-	221,225	-221,225	-2,602,605	32,315,450	-7.44
Dec-2002	32,315,450	6,836,371	-	6,836,371	1,438,642	40,590,463	4.41
Mar-2003	40,590,463	-	6,795,099	-6,795,099	-410,557	33,384,807	-1.17
Jun-2003	33,384,807	-	197,693	-197,693	2,866,553	36,053,667	8.62
Sep-2003	36,053,667	252,293	-	252,293	741,955	37,047,915	2.05
Dec-2003	37,047,915	-	21,113	-21,113	2,460,444	39,487,246	6.67
Mar-2004	39,487,246	-	134,073	-134,073	822,971	40,176,144	2.09
Jun-2004	40,176,144	1,194	-	1,194	3,493	40,180,831	-0.01
Sep-2004	40,180,831	397,660	-	397,660	-339,911	40,238,580	-0.85
Dec-2004	40,238,580	54,577	-	54,577	2,802,548	43,095,705	6.96
Mar-2005	43,095,705	-	186,709	-186,709	-417,831	42,491,165	-0.98
Jun-2005	42,491,165	-	34,346	-34,346	731,050	43,187,869	1.72
Sep-2005	43,187,869	-	43,678	-43,678	503,689	43,647,880	1.17
Dec-2005	43,647,880	423,649	-	423,649	950,170	45,021,699	2.19
Mar-2006	45,021,699	51,421	-	51,421	1,403,105	46,476,225	3.11
Jun-2006	46,476,225	-	83,590	-83,590	-718,538	45,674,097	-1.55
Sep-2006	45,674,097	586,713	-	586,713	1,503,788	47,764,598	3.27
Dec-2006	47,764,598	-	322,499	-322,499	1,978,220	49,420,319	4.19
Mar-2007	49,420,319	45,644	-	45,644	895,483	50,361,446	1.82
Jun-2007	50,361,446	243,909	-	243,909	1,901,240	52,506,595	3.78
Sep-2007	52,506,595	400,316	-	400,316	1,166,875	54,073,786	2.20



Schedule of Investable Assets
Total Fund
Since Inception Ending December 31, 2017

Periods Ending	Beginning Market Value \$	Contributions \$	Withdrawals \$	Net Cash Flow \$	Gain/Loss \$	Ending Market Value \$	%Return
Dec-2007	54,073,786	190,416	-	190,416	-1,264,986	52,999,216	-2.33
Mar-2008	52,999,216	475,161	-	475,161	-1,773,644	51,700,733	-3.33
Jun-2008	51,700,733	157,090	-	157,090	19,456	51,877,279	0.06
Sep-2008	51,877,279	729,736	-	729,736	-3,090,400	49,516,615	-5.88
Dec-2008	49,516,615	272,688	-	272,688	-5,953,060	43,836,243	-12.10
Mar-2009	43,836,243	645,560	-	645,560	-2,154,563	42,327,240	-4.63
Jun-2009	42,327,240	466,248	-	466,248	4,028,207	46,821,695	9.51
Sep-2009	46,821,695	1,231,187	-	1,231,187	4,915,363	52,968,245	10.42
Dec-2009	52,968,245	728,073	-	728,073	2,085,980	55,782,298	3.90
Mar-2010	55,782,298	530,170	-	530,170	2,014,347	58,326,815	3.60
Jun-2010	58,326,815	495,784	-	495,784	-3,139,138	55,683,461	-5.38
Sep-2010	55,683,461	1,660,776	-	1,660,776	4,453,702	61,797,939	7.87
Dec-2010	61,797,939	651,202	-	651,202	4,073,218	66,522,359	6.59
Mar-2011	66,522,359	634,816	-	634,816	2,936,677	70,093,852	4.43
Jun-2011	70,093,852	665,257	-	665,257	532,225	71,291,334	0.76
Sep-2011	71,291,334	7,862,053	-	7,862,053	-6,957,257	72,196,130	-9.67
Dec-2011	72,196,130	-	654,876	-654,876	4,773,351	76,314,605	6.63
Mar-2012	76,314,605	-	1,466,628	-1,466,628	6,525,345	81,373,322	8.63
Jun-2012	81,373,322	-	1,210,329	-1,210,329	-1,962,942	78,200,051	-2.42
Sep-2012	78,200,051	-	328,909	-328,909	3,699,212	81,570,354	4.75
Dec-2012	81,570,354	6,149,365	-	6,149,365	1,463,069	89,182,788	1.61
Mar-2013	89,182,788	-	1,674,077	-1,674,077	5,563,247	93,071,958	6.29
Jun-2013	93,071,958	-	1,198,519	-1,198,519	117,987	91,991,426	0.15
Sep-2013	91,991,426	-	302,113	-302,113	4,852,470	96,541,783	5.28
Dec-2013	96,541,783	5,486,468	-	5,486,468	6,283,251	108,311,502	6.10
Mar-2014	108,311,502	-	2,359,425	-2,359,425	918,503	106,870,580	0.88
Jun-2014	106,870,580	-	3,191,614	-3,191,614	3,629,450	107,308,416	3.49
Sep-2014	107,308,416	-	452,620	-452,620	-1,543,346	105,312,450	-1.43
Dec-2014	105,312,450	7,621,833	-	7,621,833	4,031,767	116,966,050	3.57
Mar-2015	116,966,050	-	1,512,343	-1,512,343	2,856,300	118,310,007	2.46
Jun-2015	118,310,007	-	1,332,712	-1,332,712	-581,700	116,395,595	-0.50
Sep-2015	116,395,595	-	1,099,361	-1,099,361	-5,449,028	109,847,206	-4.72
Dec-2015	109,847,206	8,251,060	2,762,661	5,488,399	5,689,897	121,025,502	2.58
Mar-2016	121,025,502	7,589,316	8,599,372	-1,010,056	-1,803,617	118,211,829	1.44
Jun-2016	118,211,829	1,424,212	2,565,534	-1,141,322	2,049,990	119,120,498	1.74
Sep-2016	119,120,498	3,743,647	4,750,720	-1,007,073	4,157,724	122,271,148	3.49
Dec-2016	122,271,148	20,010,869	12,411,919	7,598,951	3,172,123	133,042,222	2.44
Mar-2017	133,042,222	3,994,591	6,390,328	-2,395,737	4,004,829	134,651,313	3.04
Jun-2017	134,651,313	12,268,921	15,569,852	-3,300,931	3,602,838	134,953,220	2.71
Sep-2017	134,953,220	15,754,188	16,964,685	-1,210,497	4,039,130	137,781,854	3.00
Dec-2017	137,781,854	34,723,496	26,093,106	8,630,390	4,656,414	151,068,658	3.17



Schedule of Investable Assets
Total Fund
Since Inception Ending December 31, 2017

Periods Ending	Beginning Market Value \$	Contributions \$	Withdrawals \$	Net Cash Flow \$	Gain/Loss \$	Ending Market Value \$	%Return
	15,998,300	174,848,681	128,809,086	46,039,596	89,030,762	151,068,658	6.40



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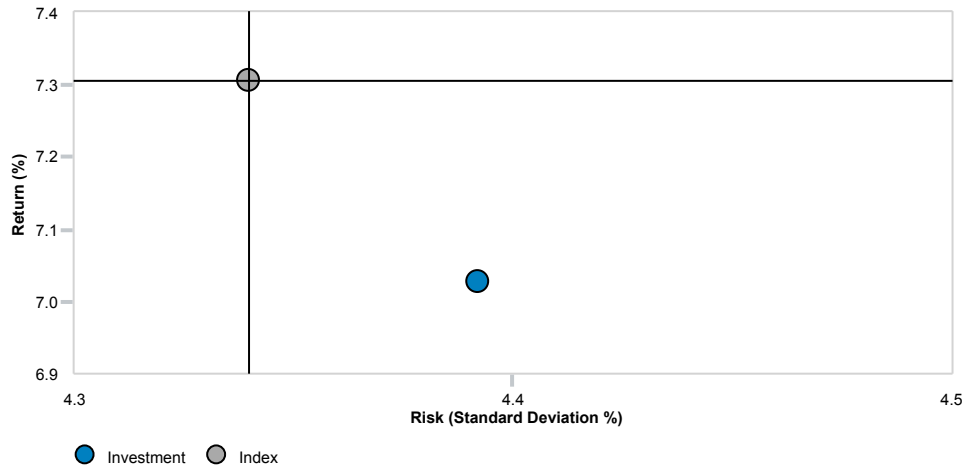
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	7.03	4.39	1.52	98.26	10	106.50	2
Index	7.31	4.34	1.60	100.00	10	100.00	2

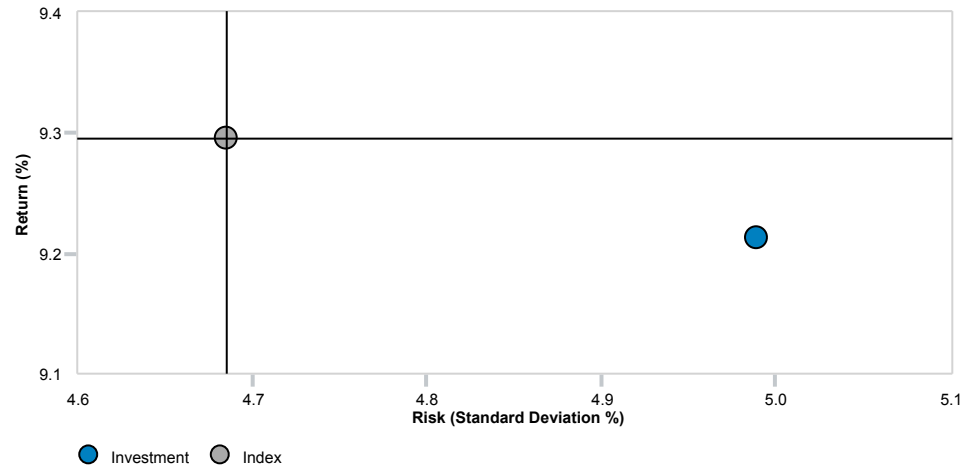
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	9.21	4.99	1.77	100.44	17	108.87	3
Index	9.30	4.69	1.90	100.00	17	100.00	3

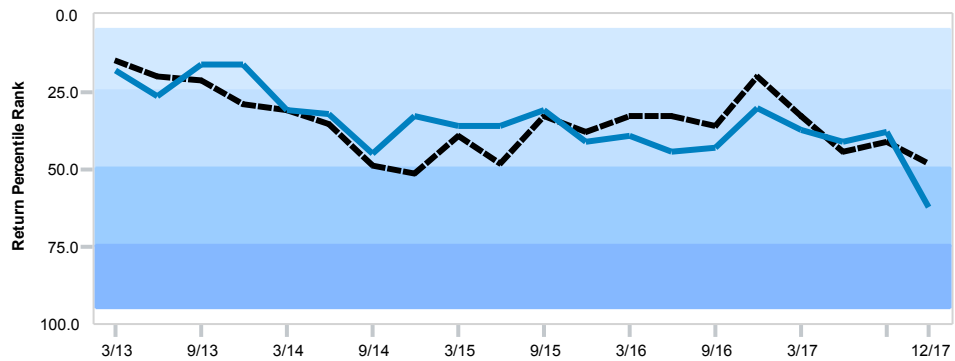
Risk and Return 3 Years



Risk and Return 5 Years

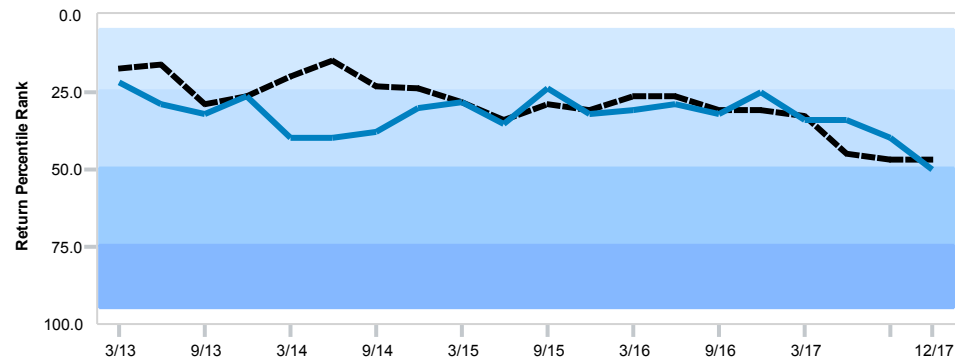


3 Year Rolling Percentile Rank All Public Plans-Total Fund



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	3 (15%)	16 (80%)	1 (5%)	0 (0%)
Index	20	4 (20%)	15 (75%)	1 (5%)	0 (0%)

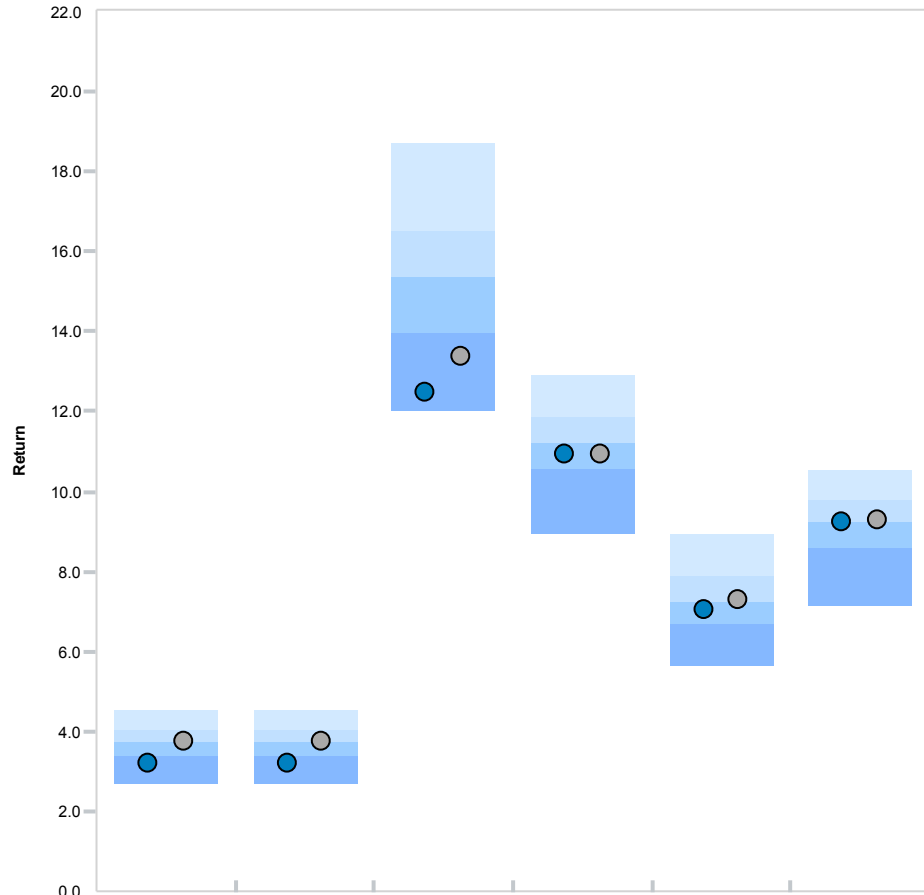
5 Year Rolling Percentile Rank All Public Plans-Total Fund



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	3 (15%)	17 (85%)	0 (0%)	0 (0%)
Index	20	6 (30%)	14 (70%)	0 (0%)	0 (0%)

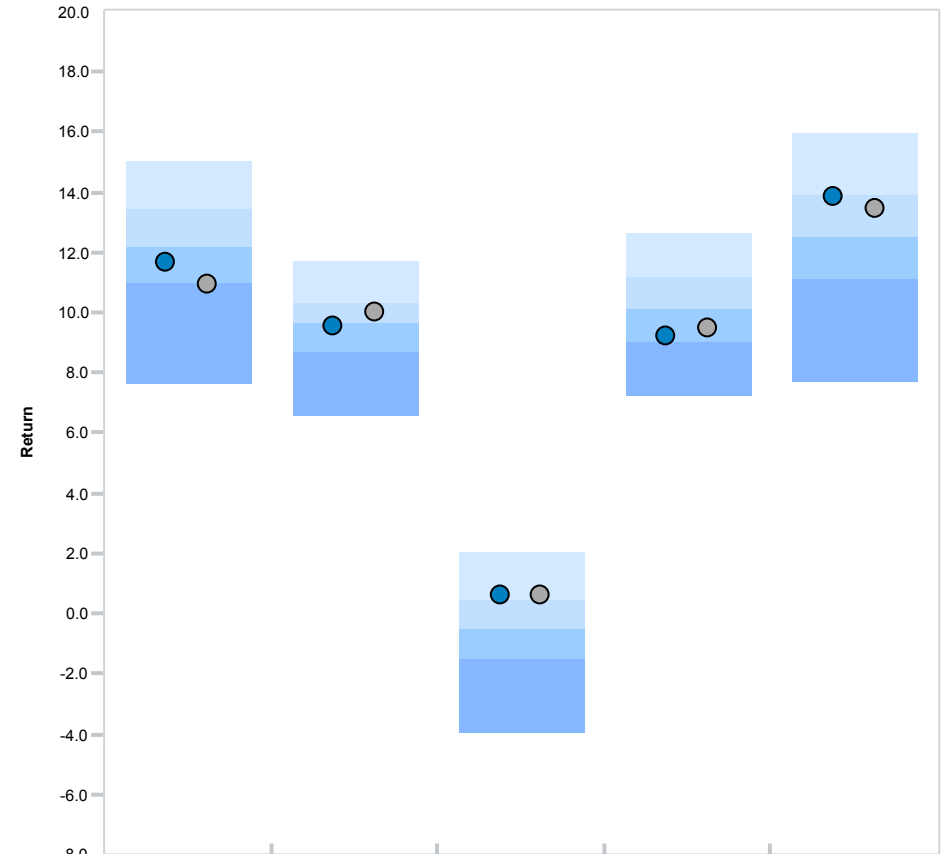


Plan Sponsor Peer Group Analysis vs. All Public Plans-Total Fund



	QTR	FYTD	1 YR	2 YR	3 YR	5 YR
● Investment	3.17 (89)	3.17 (89)	12.46 (93)	10.93 (64)	7.03 (62)	9.21 (50)
● Index	3.74 (51)	3.74 (51)	13.36 (85)	10.95 (62)	7.31 (48)	9.30 (47)
Median	3.74	3.74	15.38	11.23	7.22	9.21

Plan Sponsor Peer Group Analysis vs. All Public Plans-Total Fund



	4 Quarters Ending Sep-2017	4 Quarters Ending Sep-2016	4 Quarters Ending Sep-2015	4 Quarters Ending Sep-2014	4 Quarters Ending Sep-2013
● Investment	11.66 (64)	9.56 (54)	0.60 (24)	9.19 (72)	13.87 (26)
● Index	10.90 (78)	10.01 (39)	0.59 (24)	9.47 (65)	13.44 (35)
Median	12.18	9.67	-0.51	10.16	12.50

Comparative Performance

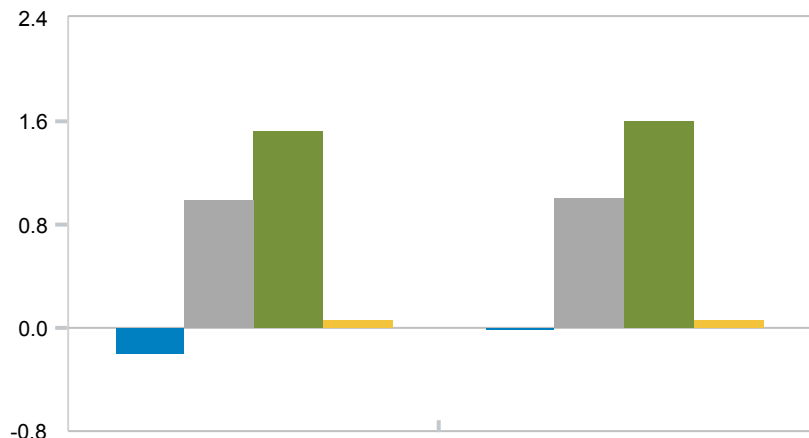
	1 Qtr Ending Sep-2017	1 Qtr Ending Jun-2017	1 Qtr Ending Mar-2017	1 Qtr Ending Dec-2016	1 Qtr Ending Sep-2016	1 Qtr Ending Jun-2016
Investment	3.00 (84)	2.71 (71)	3.04 (95)	2.44 (5)	3.49 (47)	1.74 (62)
Index	3.06 (81)	2.36 (87)	3.59 (88)	1.49 (20)	2.98 (71)	2.16 (33)
Median	3.45	2.99	4.44	0.79	3.40	1.90



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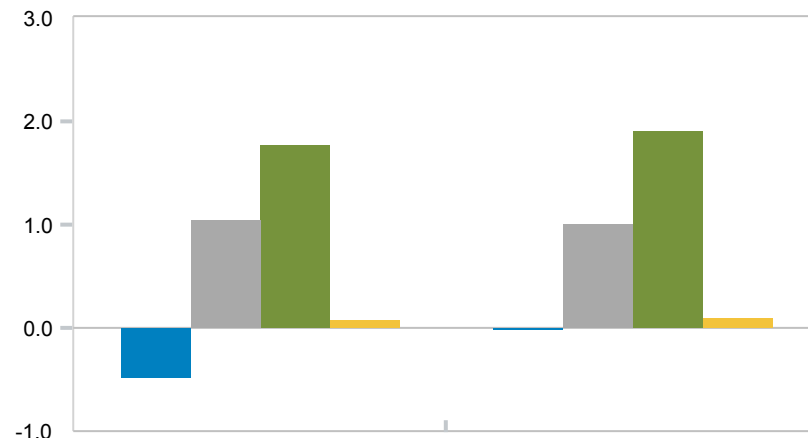


Risk / Reward Historical Statistics 3 Years Ending December 31, 2017



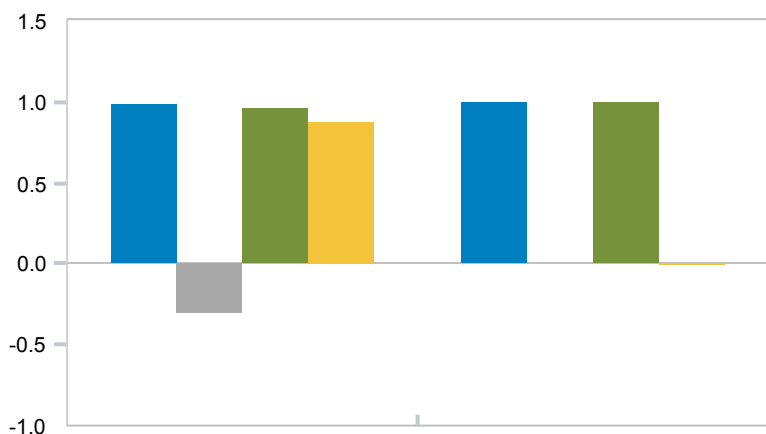
	Total Fund Composite	Total Fund Policy Index
Alpha	-0.20	0.00
Beta	0.99	1.00
Sharpe Ratio	1.52	1.60
Treynor Ratio	0.07	0.07

Risk / Reward Historical Statistics 5 Years Ending December 31, 2017



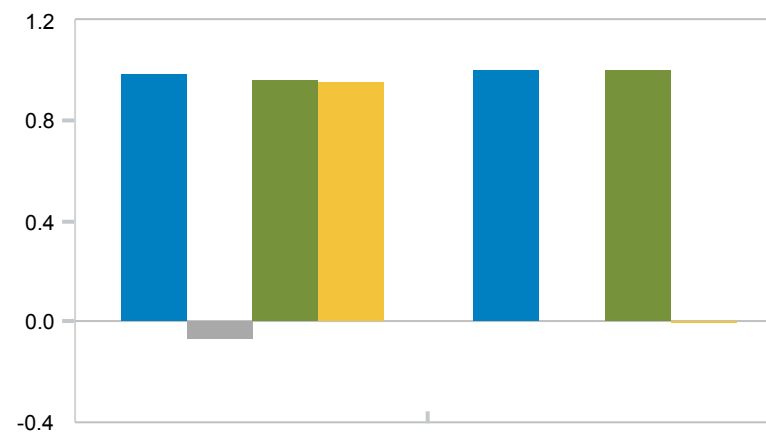
	Total Fund Composite	Total Fund Policy Index
Alpha	-0.48	0.00
Beta	1.05	1.00
Sharpe Ratio	1.77	1.90
Treynor Ratio	0.08	0.09

Benchmark Relative Historical Statistics 3 Years Ending December 31, 2017



	Total Fund Composite	Total Fund Policy Index
Actual Correlation	0.98	1.00
Information Ratio	-0.30	N/A
R-Squared	0.96	1.00
Tracking Error	0.87	0.00

Benchmark Relative Historical Statistics 5 Years Ending December 31, 2017

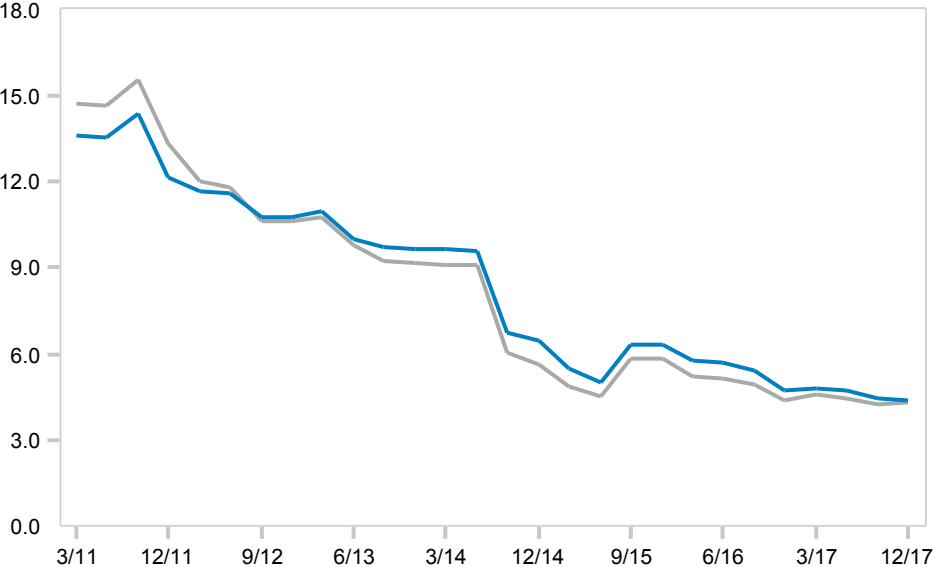


	Total Fund Composite	Total Fund Policy Index
Actual Correlation	0.98	1.00
Information Ratio	-0.07	N/A
R-Squared	0.97	1.00
Tracking Error	0.95	0.00

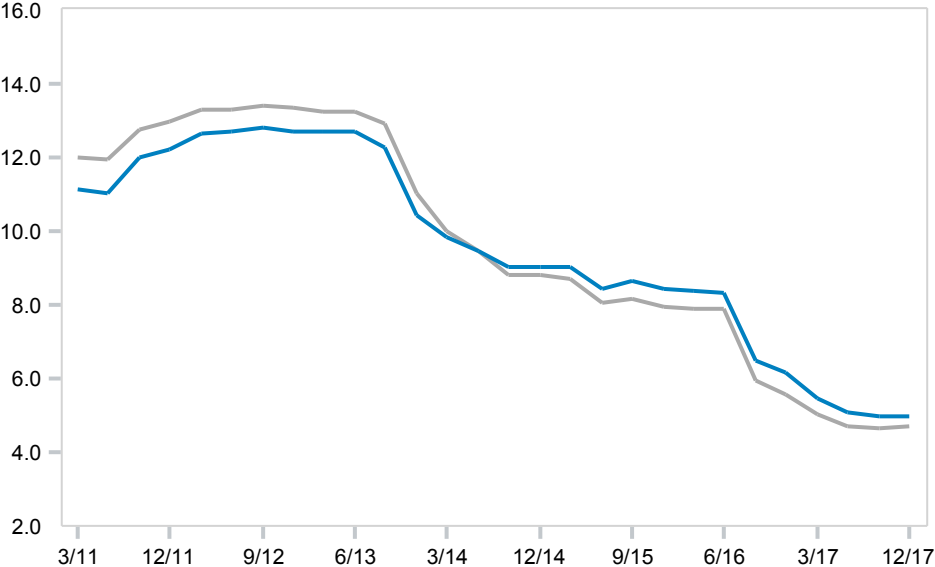
Benchmark: Total Fund Policy Index



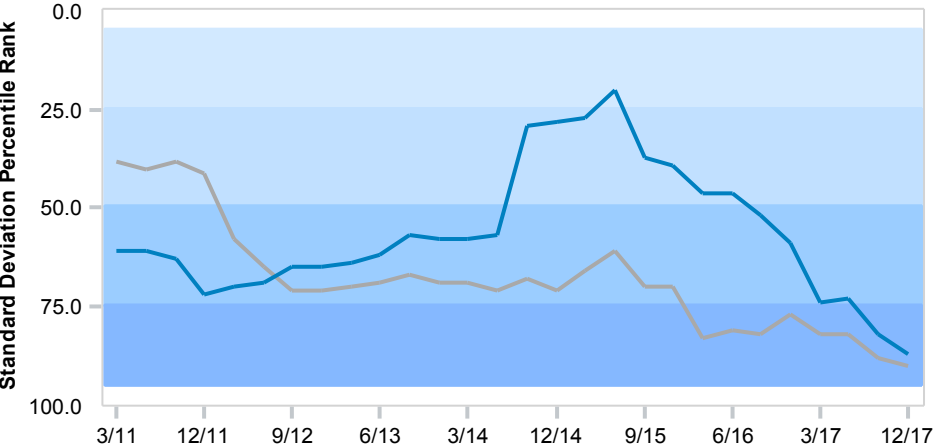
Standard Deviation 12 Quarters Rolling Periods As of December 31, 2017



Standard Deviation 20 Quarters Rolling Periods As of December 31, 2017

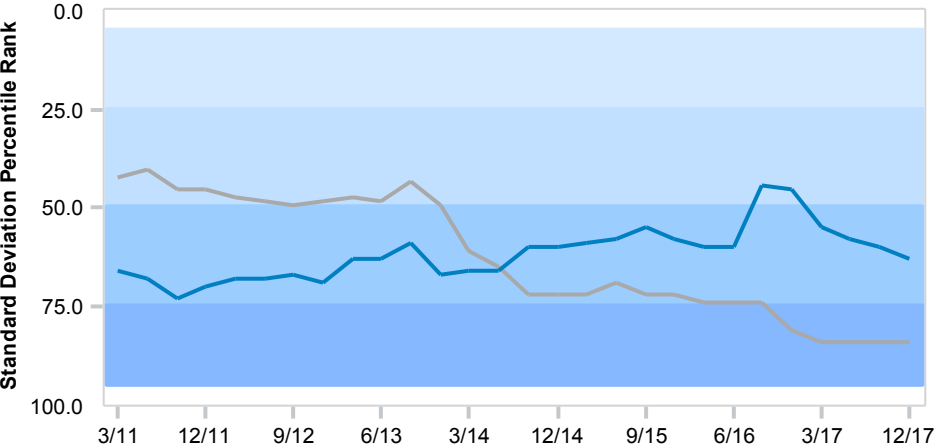


Rolling Percentile Ranking 12 Quarters Rolling Periods As of December 31, 2017



	Total Period	5-25 Count	25-50 Count	50-75 Count	75-95 Count
— Total Fund Composite	28	1 (4%)	7 (25%)	18 (64%)	2 (7%)
— Total Fund Policy Index	28	0 (0%)	4 (14%)	16 (57%)	8 (29%)

Rolling Percentile Ranking 20 Quarters Rolling Periods As of December 31, 2017



	Total Period	5-25 Count	25-50 Count	50-75 Count	75-95 Count
— Total Fund Composite	28	0 (0%)	2 (7%)	26 (93%)	0 (0%)
— Total Fund Policy Index	28	0 (0%)	12 (43%)	11 (39%)	5 (18%)

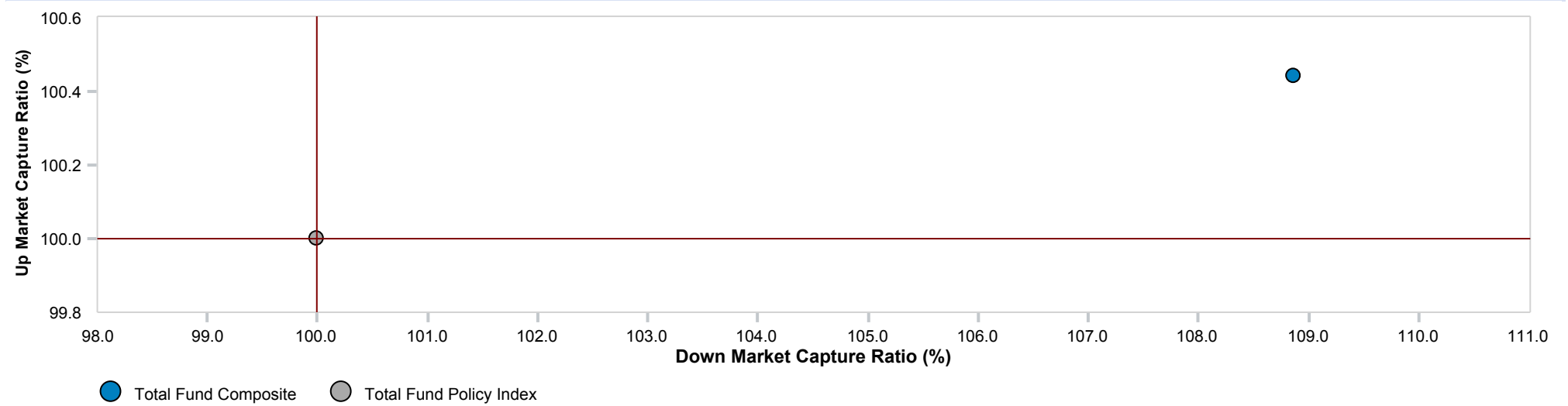
Peer: All Public Plans-Total Fund



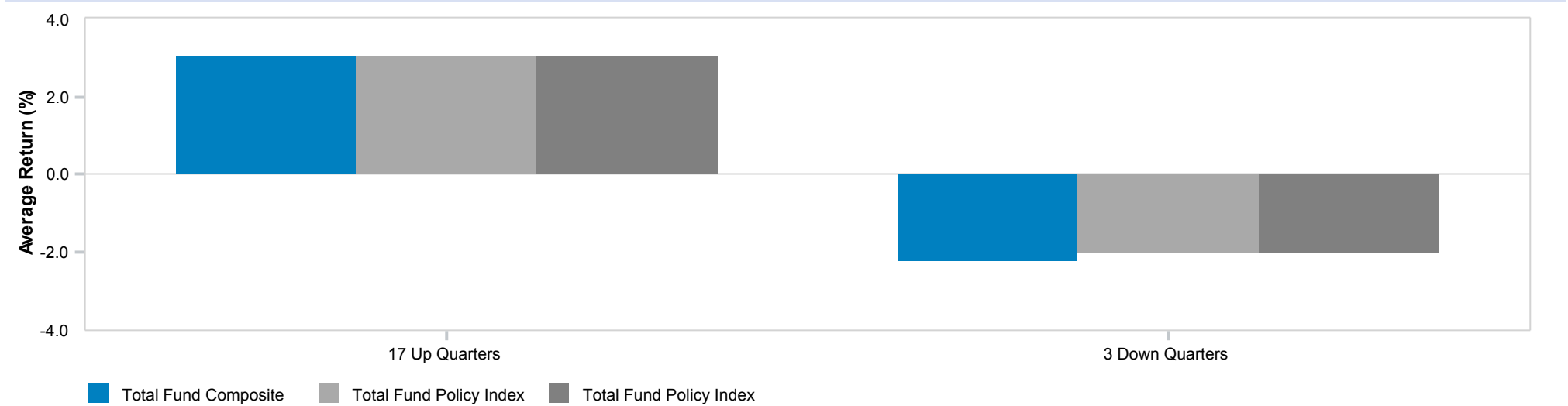
Up/Down Markets

	Full Period Return		Quarters Benchmark Up(17)				Quarters Benchmark Down(3)			
	Portfolio	Benchmark	Portfolio Ahead		Portfolio Behind		Portfolio Ahead		Portfolio Behind	
			No. Quarters	Avg Ahead	No. Quarters	Avg Behind	No. Quarters	Avg Ahead	No. Quarters	Avg Behind
Total Fund Composite	9.21	9.30	7	0.54	10	-0.35	0	0.00	3	-0.18
Total Fund Policy Index	9.30	9.30	17	0.00	0	0.00	3	0.00	0	0.00

Up/Down Markets



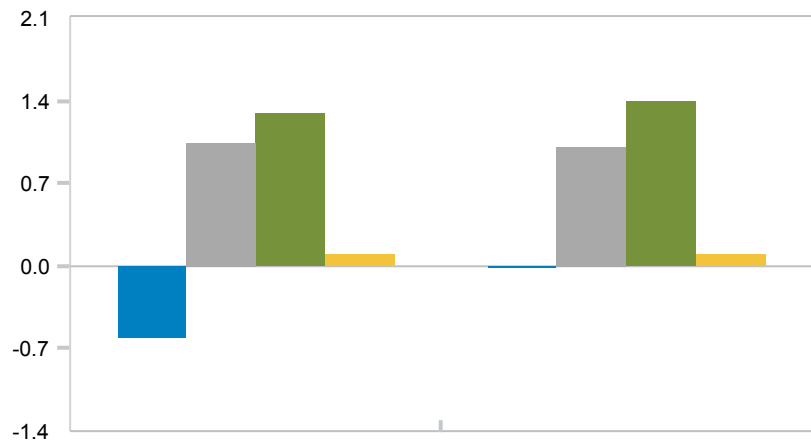
Up Down Market Bar Chart



Calculation based on quarterly periodicity.

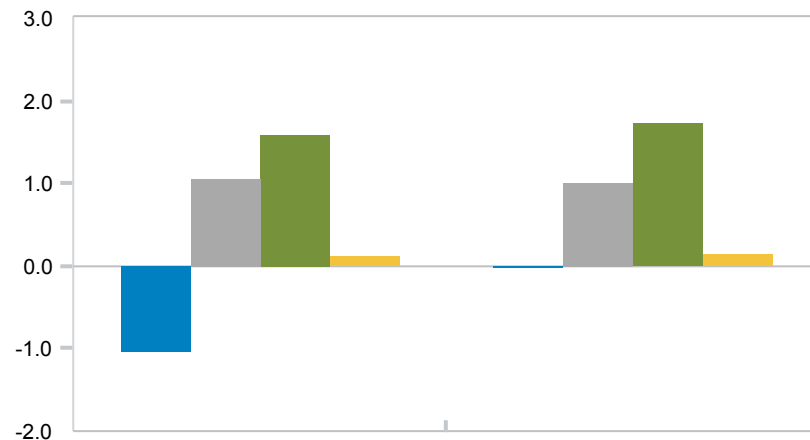


Risk / Reward Historical Statistics 3 Years Ending December 31, 2017



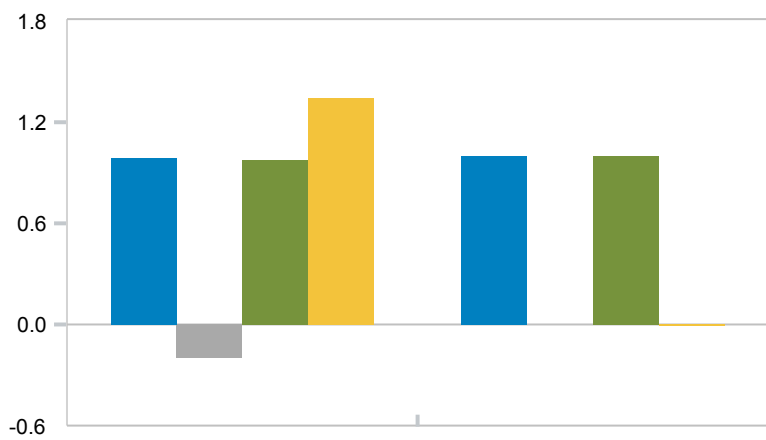
	Total Equity Composite	Total Equity Policy Index
Alpha	-0.60	0.00
Beta	1.03	1.00
Sharpe Ratio	1.29	1.39
Treynor Ratio	0.10	0.10

Risk / Reward Historical Statistics 5 Years Ending December 31, 2017



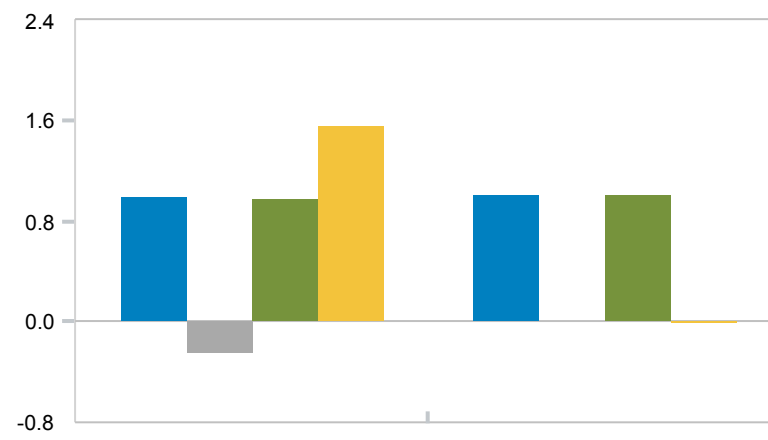
	Total Equity Composite	Total Equity Policy Index
Alpha	-1.04	0.00
Beta	1.05	1.00
Sharpe Ratio	1.58	1.74
Treynor Ratio	0.13	0.14

Benchmark Relative Historical Statistics 3 Years Ending December 31, 2017



	Total Equity Composite	Total Equity Policy Index
Actual Correlation	0.99	1.00
Information Ratio	-0.20	N/A
R-Squared	0.97	1.00
Tracking Error	1.34	0.00

Benchmark Relative Historical Statistics 5 Years Ending December 31, 2017

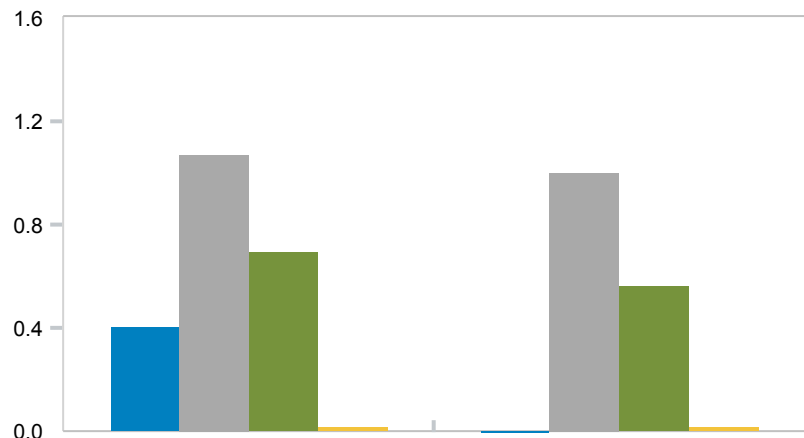


	Total Equity Composite	Total Equity Policy Index
Actual Correlation	0.98	1.00
Information Ratio	-0.24	N/A
R-Squared	0.97	1.00
Tracking Error	1.56	0.00

Benchmark: Total Equity Policy Index



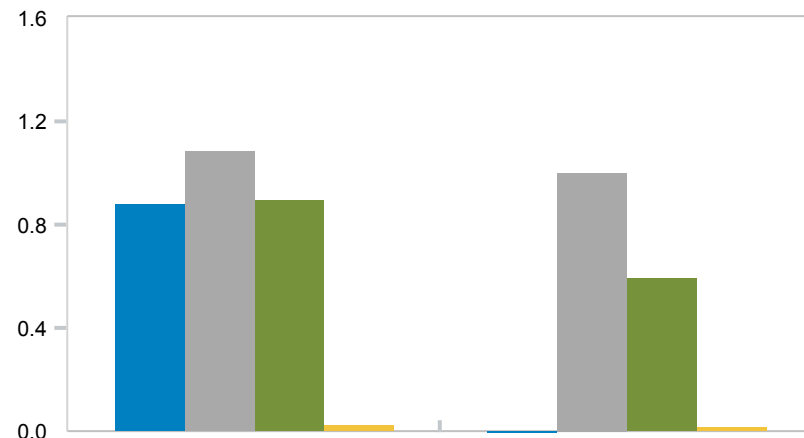
Risk / Reward Historical Statistics 3 Years Ending December 31, 2017



Total Fixed Income Composite Total Fixed Income Policy Index

Alpha	0.40	0.00
Beta	1.07	1.00
Sharpe Ratio	0.69	0.56
Treynor Ratio	0.02	0.01

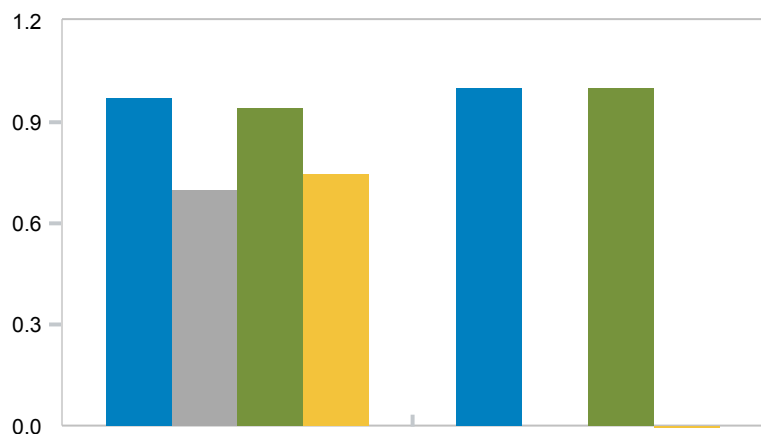
Risk / Reward Historical Statistics 5 Years Ending December 31, 2017



Total Fixed Income Composite Total Fixed Income Policy Index

Alpha	0.87	0.00
Beta	1.08	1.00
Sharpe Ratio	0.89	0.59
Treynor Ratio	0.02	0.01

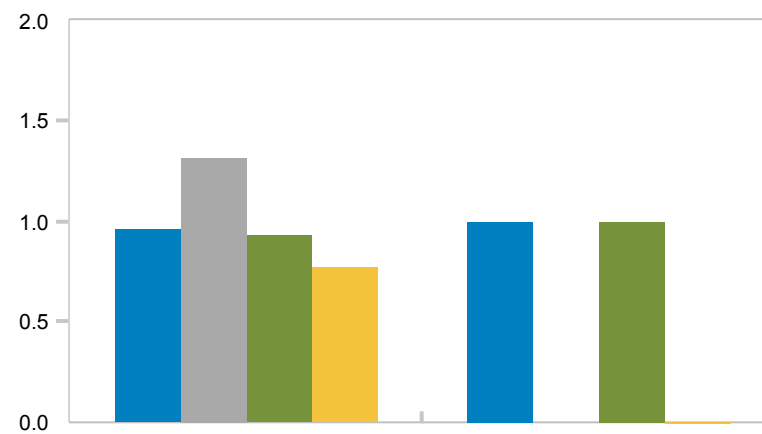
Benchmark Relative Historical Statistics 3 Years Ending December 31, 2017



Total Fixed Income Composite Total Fixed Income Policy Index

Actual Correlation	0.97	1.00
Information Ratio	0.70	N/A
R-Squared	0.94	1.00
Tracking Error	0.74	0.00

Benchmark Relative Historical Statistics 5 Years Ending December 31, 2017



Total Fixed Income Composite Total Fixed Income Policy Index

Actual Correlation	0.96	1.00
Information Ratio	1.32	N/A
R-Squared	0.93	1.00
Tracking Error	0.77	0.00

Benchmark: Total Fixed Income Policy Index



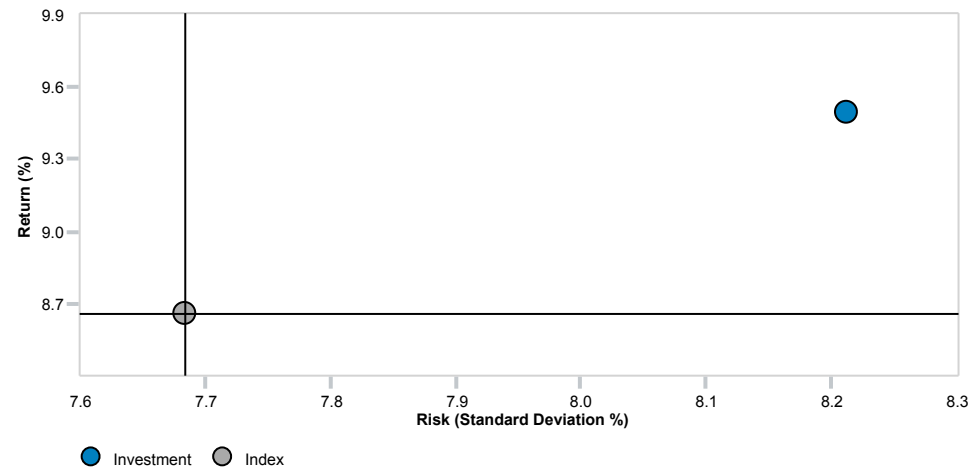
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	9.49	8.21	1.12	109.73	10	110.34	2
Index	8.65	7.68	1.09	100.00	10	100.00	2

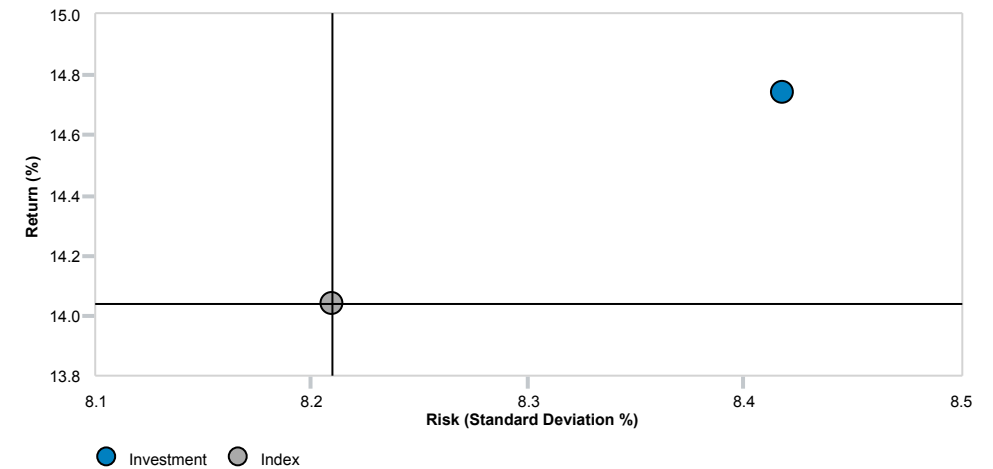
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	14.74	8.42	1.68	106.14	17	116.00	3
Index	14.04	8.21	1.64	100.00	17	100.00	3

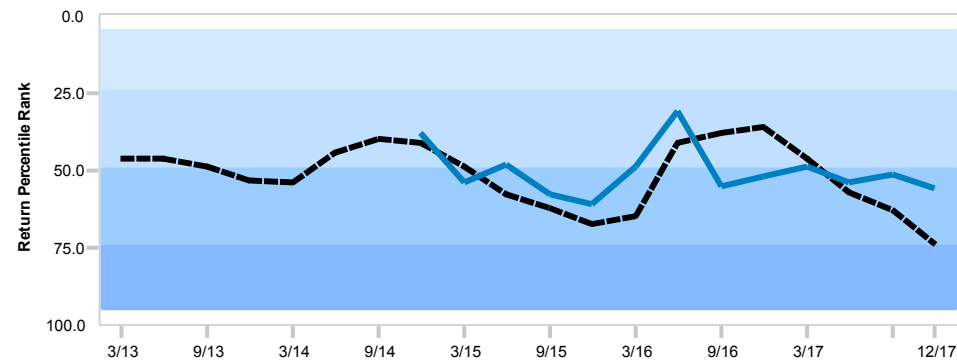
Risk and Return 3 Years



Risk and Return 5 Years

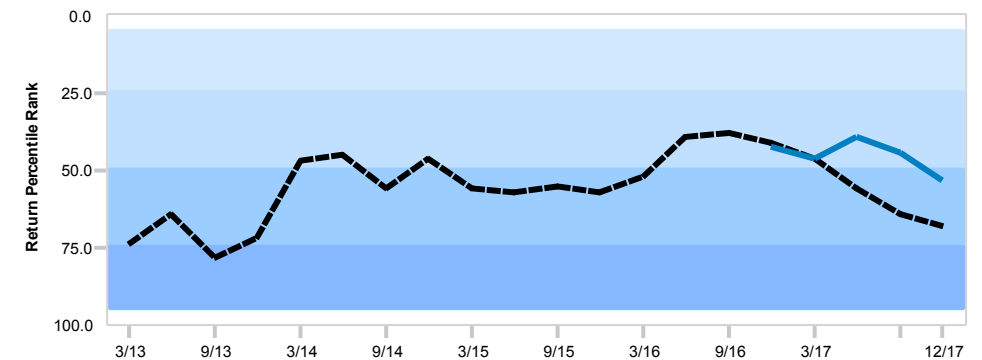


3 Year Rolling Percentile Rank IM U.S. Large Cap Value Equity (SA+CF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	13	0 (0%)	5 (38%)	8 (62%)	0 (0%)
Index	20	0 (0%)	11 (55%)	9 (45%)	0 (0%)

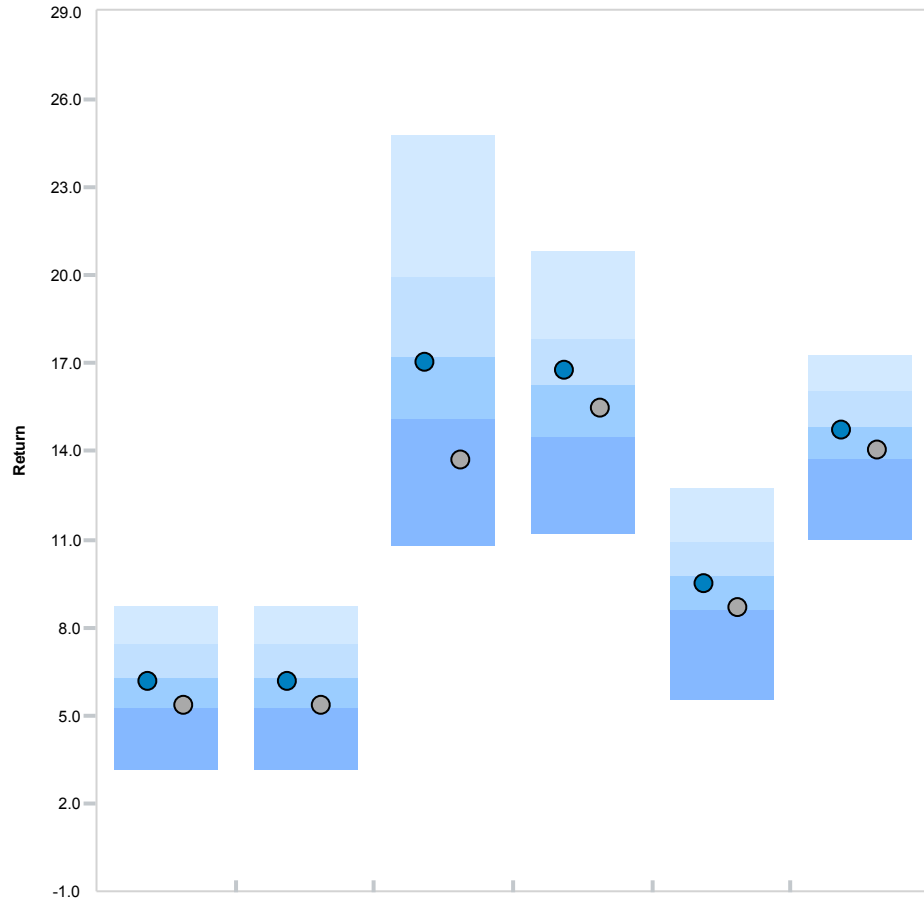
5 Year Rolling Percentile Rank IM U.S. Large Cap Value Equity (SA+CF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	5	0 (0%)	4 (80%)	1 (20%)	0 (0%)
Index	20	0 (0%)	7 (35%)	12 (60%)	1 (5%)

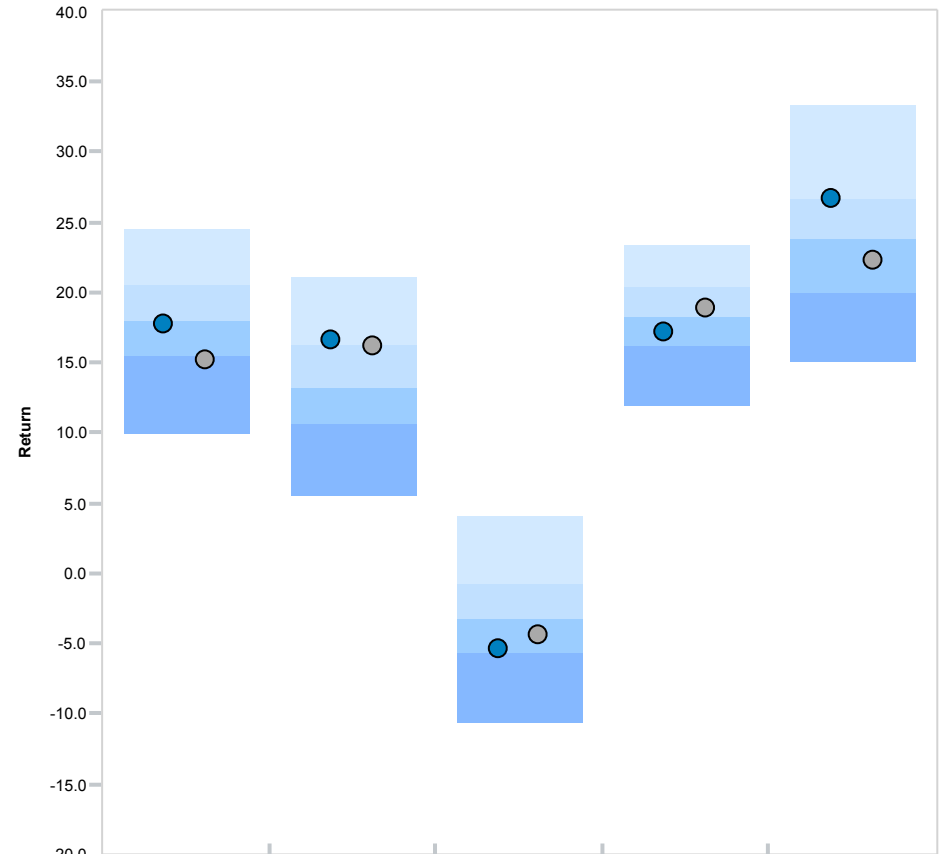


Plan Sponsor Peer Group Analysis vs. IM U.S. Large Cap Value Equity (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	5 YR
● Investment	6.14 (54)	6.14 (54)	17.01 (54)	16.75 (42)	9.49 (56)	14.74 (53)
● Index	5.33 (74)	5.33 (74)	13.66 (88)	15.49 (60)	8.65 (74)	14.04 (68)
Median	6.29	6.29	17.23	16.31	9.76	14.83

Plan Sponsor Peer Group Analysis vs. IM U.S. Large Cap Value Equity (SA+CF)



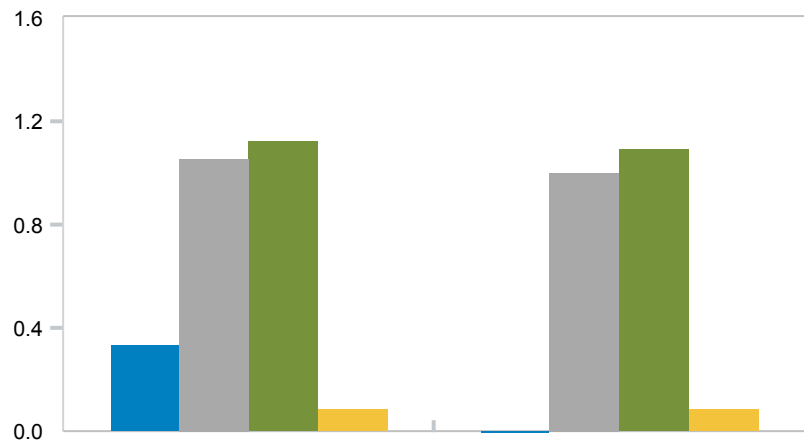
	4 Quarters Ending Sep-2017	4 Quarters Ending Sep-2016	4 Quarters Ending Sep-2015	4 Quarters Ending Sep-2014	4 Quarters Ending Sep-2013
● Investment	17.71 (55)	16.57 (23)	-5.35 (71)	17.16 (65)	26.65 (26)
● Index	15.12 (77)	16.19 (26)	-4.42 (65)	18.89 (42)	22.30 (61)
Median	17.99	13.21	-3.29	18.35	23.76

Comparative Performance

	1 Qtr Ending Sep-2017	1 Qtr Ending Jun-2017	1 Qtr Ending Mar-2017	1 Qtr Ending Dec-2016	1 Qtr Ending Sep-2016	1 Qtr Ending Jun-2016
Investment	3.82 (60)	2.53 (37)	3.56 (63)	6.78 (45)	3.35 (64)	4.52 (15)
Index	3.11 (80)	1.34 (73)	3.27 (70)	6.68 (46)	3.48 (61)	4.58 (14)
Median	4.10	2.06	3.98	6.46	4.06	2.36

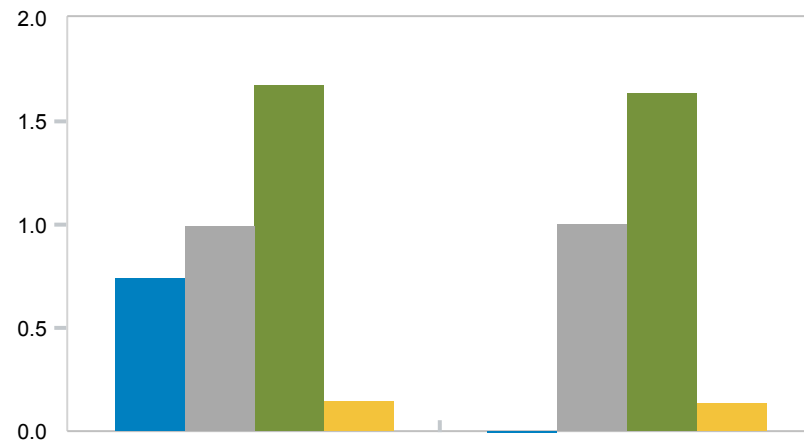


Risk / Reward Historical Statistics 3 Years Ending December 31, 2017



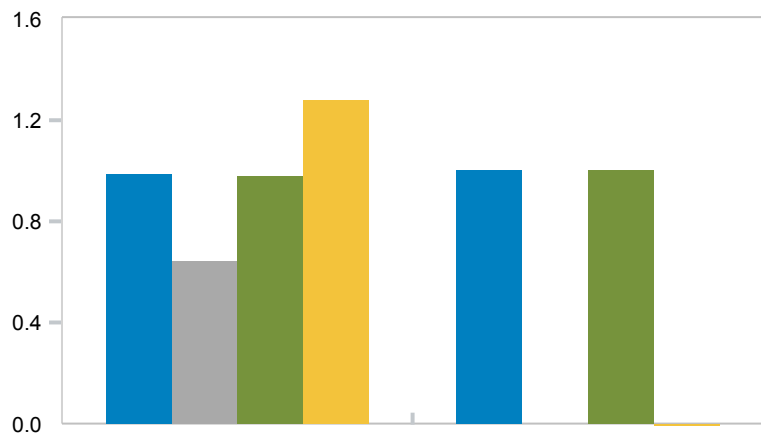
	Ceredex Equity	Russell 1000 Value Index
Alpha	0.33	0.00
Beta	1.06	1.00
Sharpe Ratio	1.12	1.09
Treynor Ratio	0.09	0.08

Risk / Reward Historical Statistics 5 Years Ending December 31, 2017



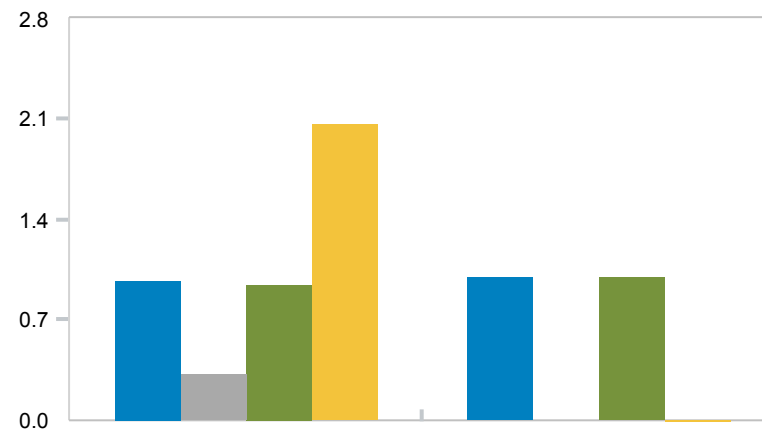
	Ceredex Equity	Russell 1000 Value Index
Alpha	0.74	0.00
Beta	0.99	1.00
Sharpe Ratio	1.68	1.64
Treynor Ratio	0.14	0.13

Benchmark Relative Historical Statistics 3 Years Ending December 31, 2017



	Ceredex Equity	Russell 1000 Value Index
Actual Correlation	0.99	1.00
Information Ratio	0.65	N/A
R-Squared	0.98	1.00
Tracking Error	1.28	0.00

Benchmark Relative Historical Statistics 5 Years Ending December 31, 2017



	Ceredex Equity	Russell 1000 Value Index
Actual Correlation	0.97	1.00
Information Ratio	0.32	N/A
R-Squared	0.94	1.00
Tracking Error	2.06	0.00

Benchmark: Russell 1000 Value Index



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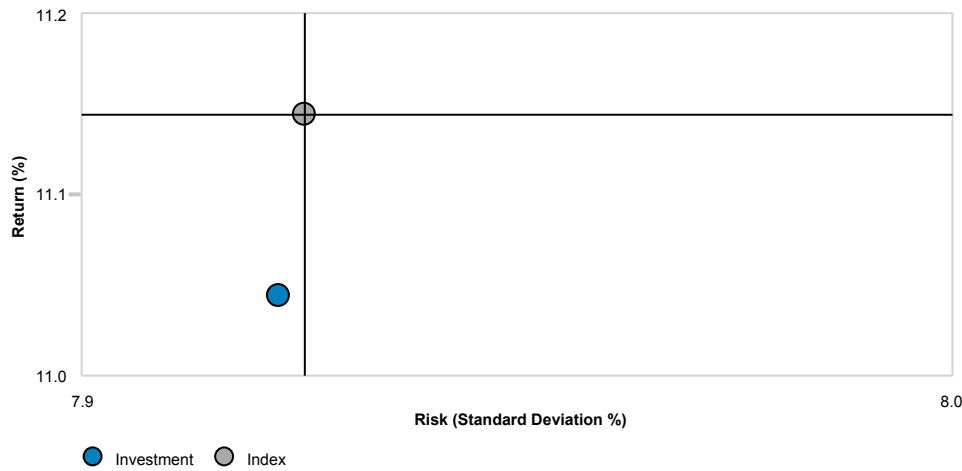
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	11.04	7.92	1.34	99.35	10	100.03	2
Index	11.14	7.93	1.35	100.00	10	100.00	2

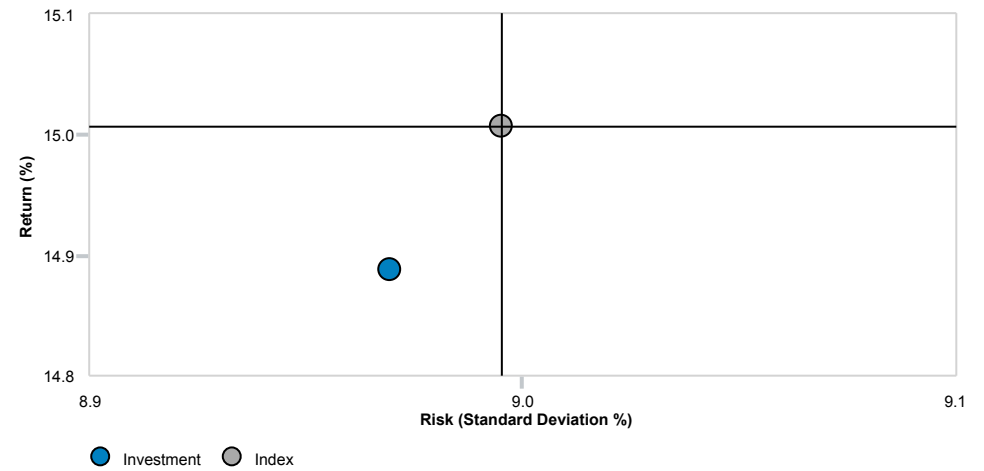
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	14.89	8.97	1.59	99.37	17	100.00	3
Index	15.01	9.00	1.60	100.00	17	100.00	3

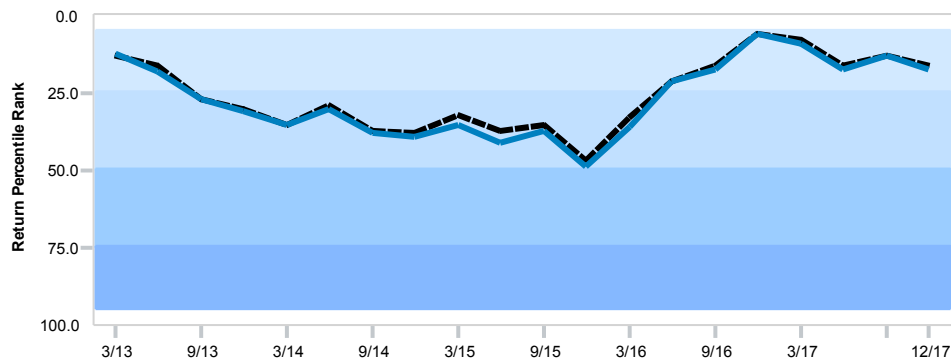
Risk and Return 3 Years



Risk and Return 5 Years

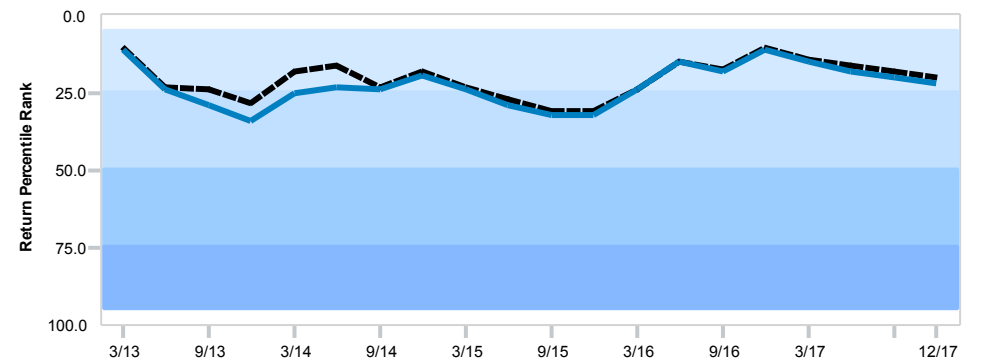


3 Year Rolling Percentile Rank IM U.S. Mid Cap Equity (MF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	9 (45%)	11 (55%)	0 (0%)	0 (0%)
Index	20	9 (45%)	11 (55%)	0 (0%)	0 (0%)

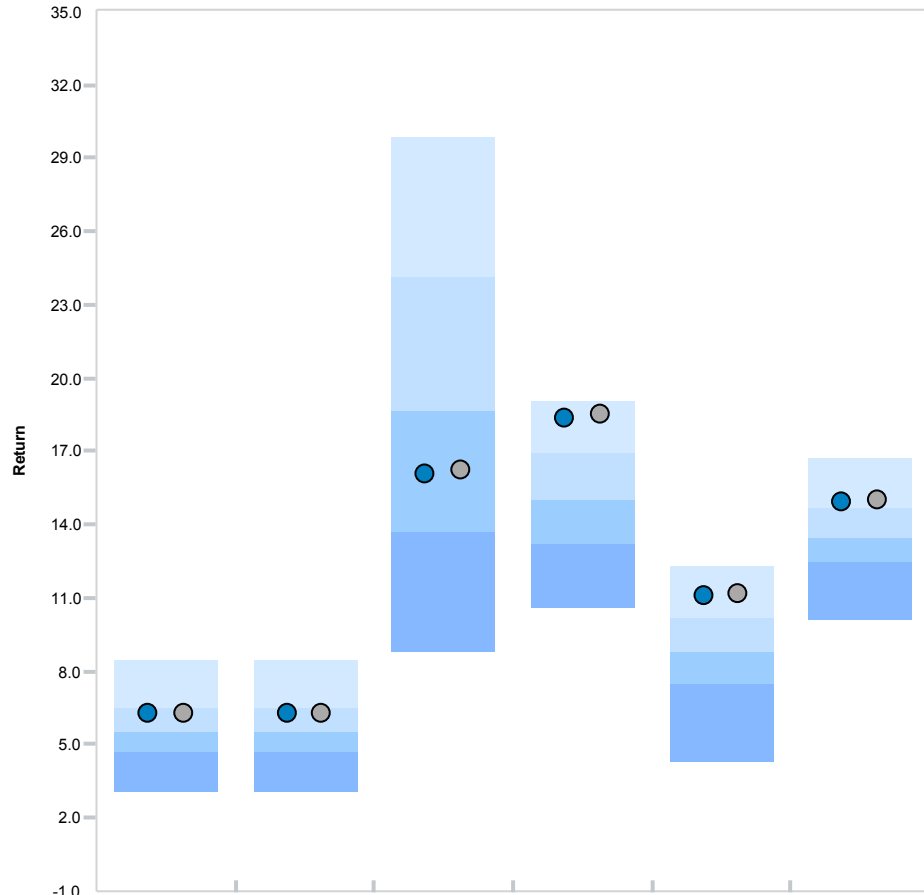
5 Year Rolling Percentile Rank IM U.S. Mid Cap Equity (MF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	15 (75%)	5 (25%)	0 (0%)	0 (0%)
Index	20	16 (80%)	4 (20%)	0 (0%)	0 (0%)

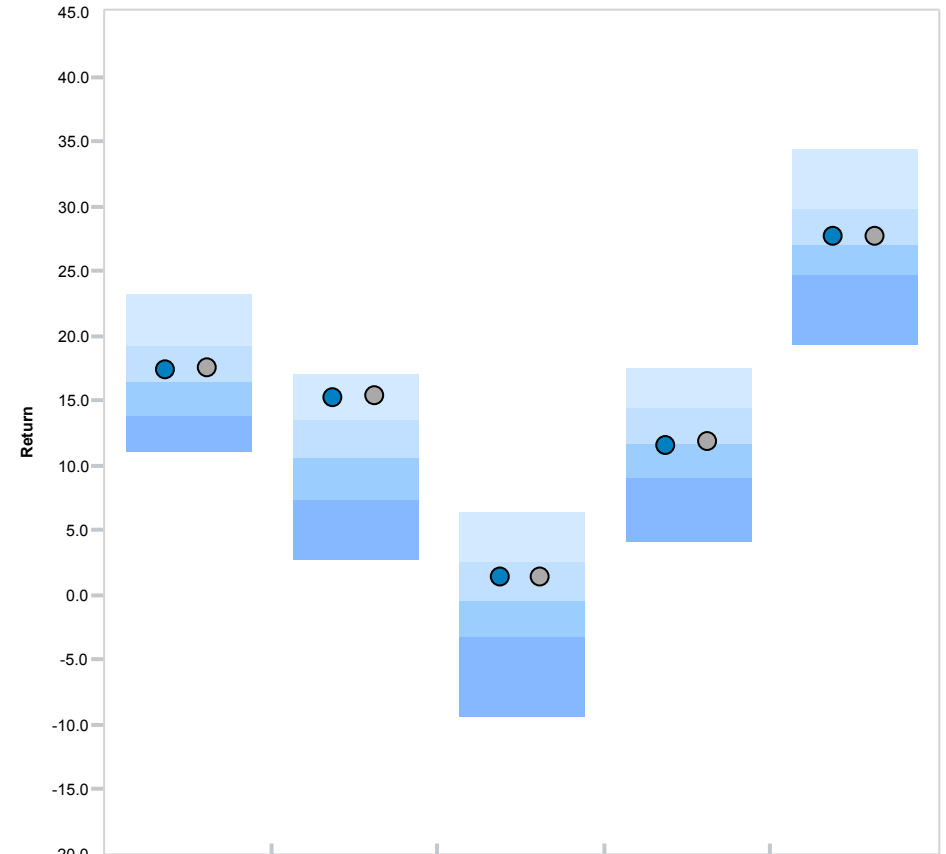


Plan Sponsor Peer Group Analysis vs. IM U.S. Mid Cap Equity (MF)



	QTR	FYTD	1 YR	2 YR	3 YR	5 YR
● Investment	6.25 (29)	6.25 (29)	16.05 (61)	18.34 (9)	11.04 (17)	14.89 (22)
● Index	6.25 (29)	6.25 (29)	16.24 (60)	18.47 (8)	11.14 (16)	15.01 (20)
Median	5.55	5.55	18.71	14.98	8.83	13.48

Plan Sponsor Peer Group Analysis vs. IM U.S. Mid Cap Equity (MF)



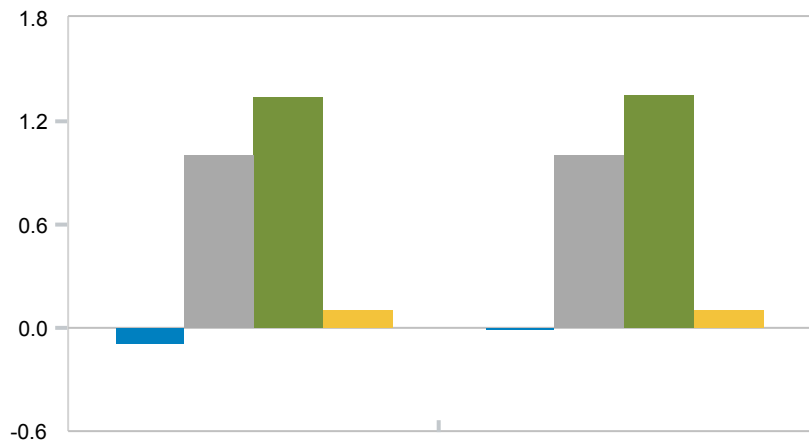
	4 Quarters Ending Sep-2017	4 Quarters Ending Sep-2016	4 Quarters Ending Sep-2015	4 Quarters Ending Sep-2014	4 Quarters Ending Sep-2013
● Investment	17.31 (41)	15.25 (14)	1.41 (35)	11.52 (51)	27.64 (42)
● Index	17.52 (39)	15.33 (14)	1.40 (35)	11.82 (49)	27.68 (41)
Median	16.49	10.55	-0.44	11.58	27.06

Comparative Performance

	1 Qtr Ending Sep-2017	1 Qtr Ending Jun-2017	1 Qtr Ending Mar-2017	1 Qtr Ending Dec-2016	1 Qtr Ending Sep-2016	1 Qtr Ending Jun-2016
Investment	3.20 (66)	1.84 (65)	3.92 (70)	7.41 (13)	4.14 (68)	3.98 (13)
Index	3.22 (65)	1.97 (63)	3.94 (69)	7.42 (13)	4.14 (68)	3.99 (13)
Median	3.79	2.69	5.18	3.88	4.60	2.35

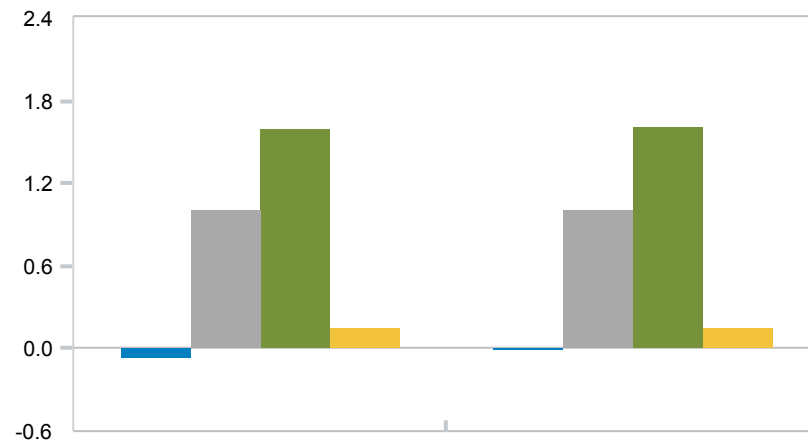


Risk / Reward Historical Statistics 3 Years Ending December 31, 2017



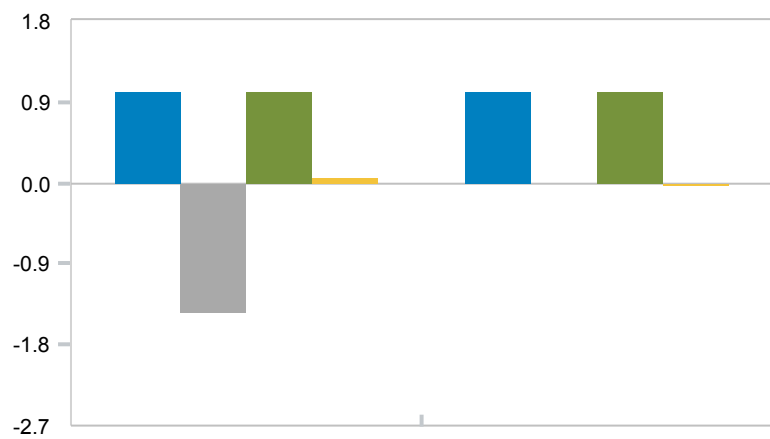
	Mutual of America Equity	S&P MidCap 400 Index
Alpha	-0.09	0.00
Beta	1.00	1.00
Sharpe Ratio	1.34	1.35
Treynor Ratio	0.11	0.11

Risk / Reward Historical Statistics 5 Years Ending December 31, 2017



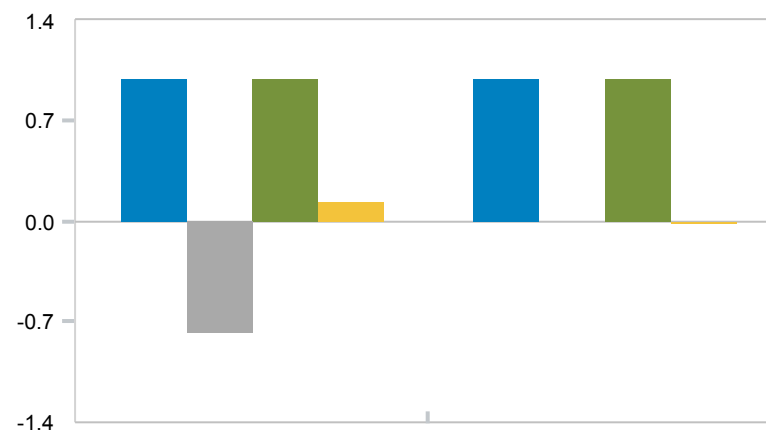
	Mutual of America Equity	S&P MidCap 400 Index
Alpha	-0.07	0.00
Beta	1.00	1.00
Sharpe Ratio	1.59	1.60
Treynor Ratio	0.14	0.14

Benchmark Relative Historical Statistics 3 Years Ending December 31, 2017



	Mutual of America Equity	S&P MidCap 400 Index
Actual Correlation	1.00	1.00
Information Ratio	-1.44	N/A
R-Squared	1.00	1.00
Tracking Error	0.06	0.00

Benchmark Relative Historical Statistics 5 Years Ending December 31, 2017



	Mutual of America Equity	S&P MidCap 400 Index
Actual Correlation	1.00	1.00
Information Ratio	-0.78	N/A
R-Squared	1.00	1.00
Tracking Error	0.14	0.00

Benchmark: S&P MidCap 400 Index



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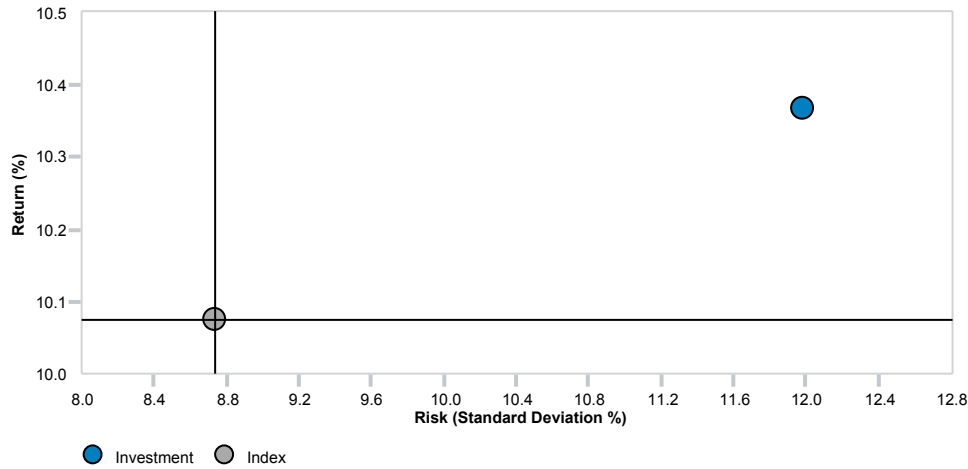
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	10.37	11.99	0.86	96.17	8	68.80	4
Index	10.07	8.74	1.12	100.00	10	100.00	2

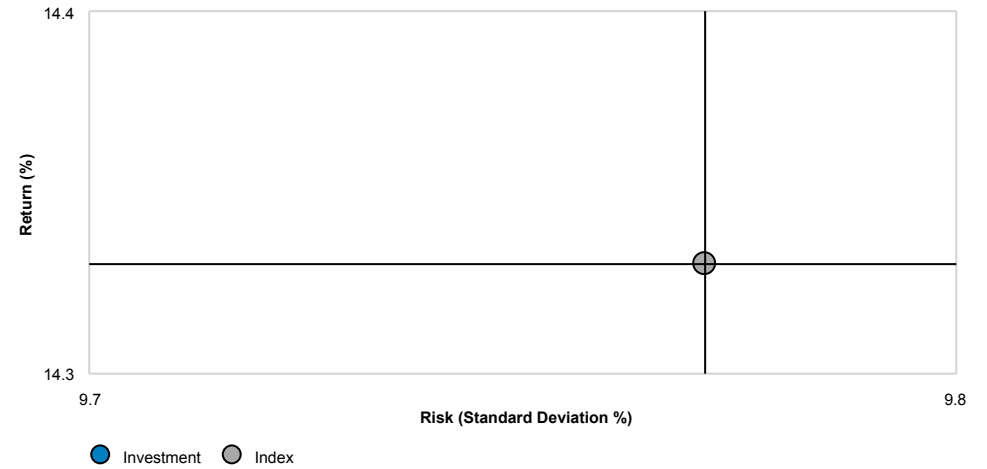
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Index	14.33	9.77	1.42	100.00	17	100.00	3

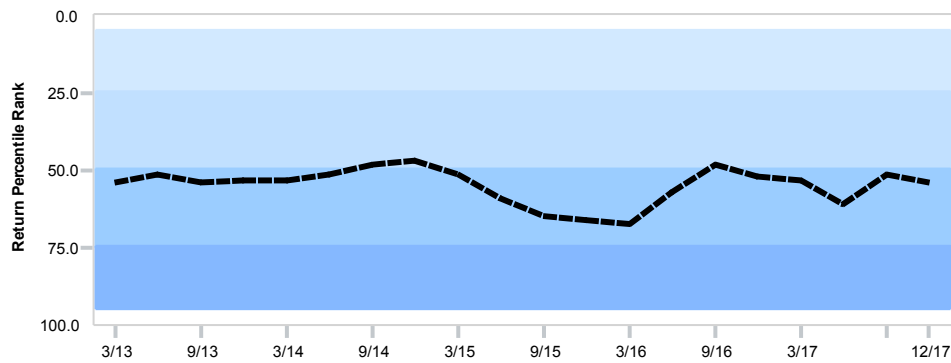
Risk and Return 3 Years



Risk and Return 5 Years

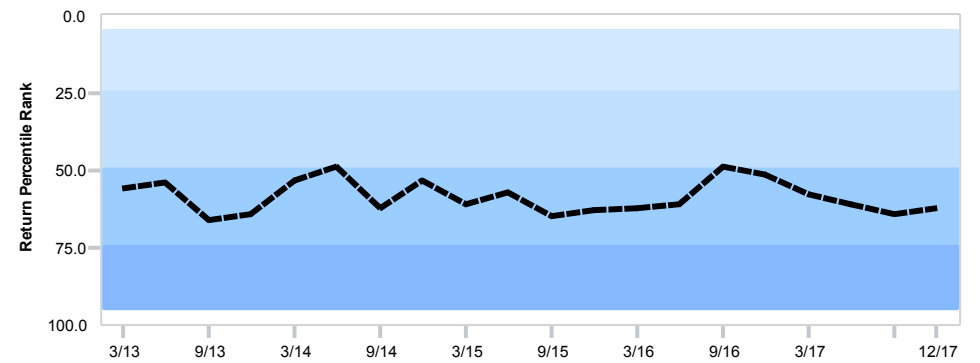


3 Year Rolling Percentile Rank IM U.S. SMID Cap Equity (SA+CF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	1	0 (0%)	1 (100%)	0 (0%)	0 (0%)
Index	20	0 (0%)	3 (15%)	17 (85%)	0 (0%)

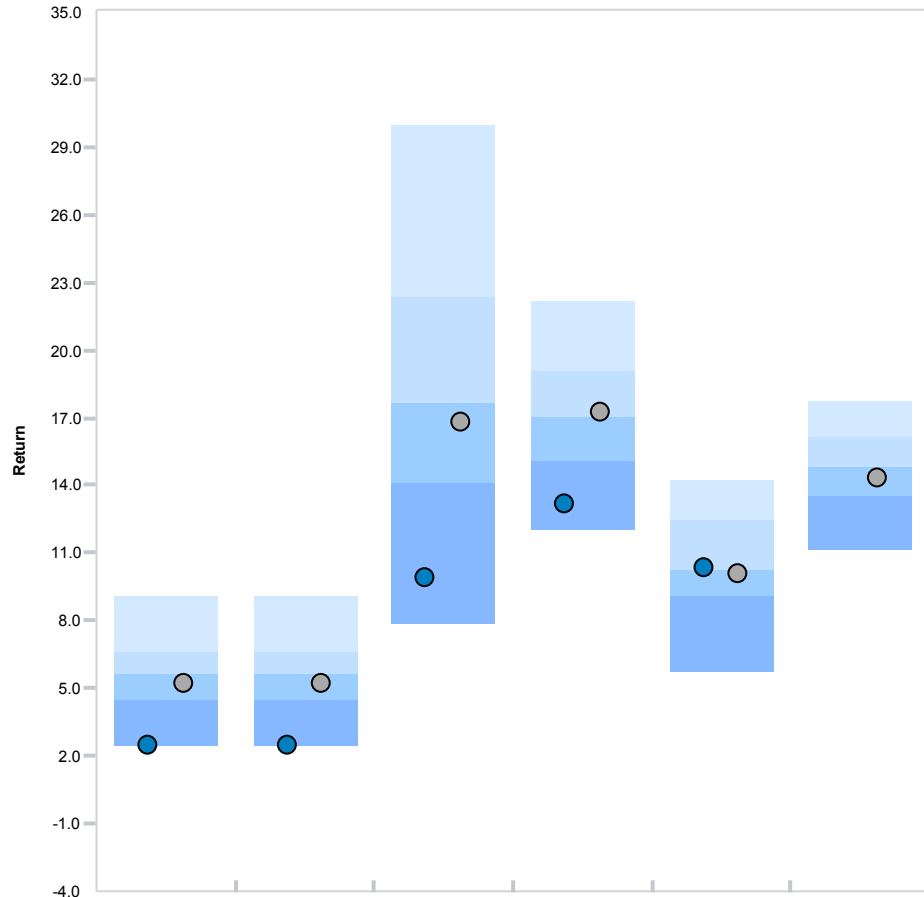
5 Year Rolling Percentile Rank IM U.S. SMID Cap Equity (SA+CF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	0	0	0	0	0
Index	20	0 (0%)	2 (10%)	18 (90%)	0 (0%)

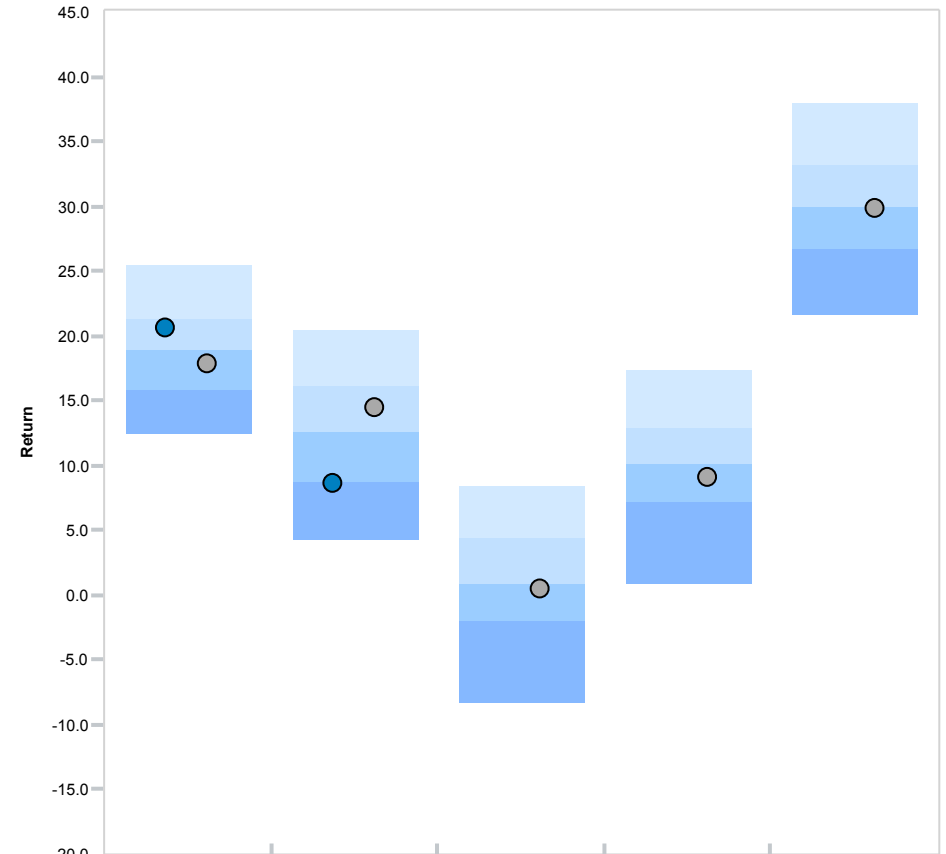


Plan Sponsor Peer Group Analysis vs. IM U.S. SMID Cap Equity (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	5 YR
● Investment	2.48 (96)	2.48 (96)	9.88 (93)	13.18 (91)	10.37 (46)	N/A
● Index	5.24 (61)	5.24 (61)	16.81 (59)	17.20 (44)	10.07 (54)	14.33 (62)
Median	5.60	5.60	17.69	17.04	10.24	14.85

Plan Sponsor Peer Group Analysis vs. IM U.S. SMID Cap Equity (SA+CF)



	4 Quarters Ending Sep-2017	4 Quarters Ending Sep-2016	4 Quarters Ending Sep-2015	4 Quarters Ending Sep-2014	4 Quarters Ending Sep-2013
● Investment	20.56 (31)	8.62 (76)	N/A	N/A	N/A
● Index	17.79 (61)	14.44 (36)	0.38 (57)	8.97 (60)	29.79 (53)
Median	18.87	12.61	0.96	10.11	30.00

Comparative Performance

	1 Qtr Ending Sep-2017	1 Qtr Ending Jun-2017	1 Qtr Ending Mar-2017	1 Qtr Ending Dec-2016	1 Qtr Ending Sep-2016	1 Qtr Ending Jun-2016
Investment	5.24 (29)	2.59 (47)	-0.69 (97)	12.43 (5)	10.74 (4)	-2.37 (98)
Index	4.74 (38)	2.13 (57)	3.76 (66)	6.12 (49)	6.56 (40)	3.57 (31)
Median	4.32	2.36	4.39	6.04	5.87	2.69



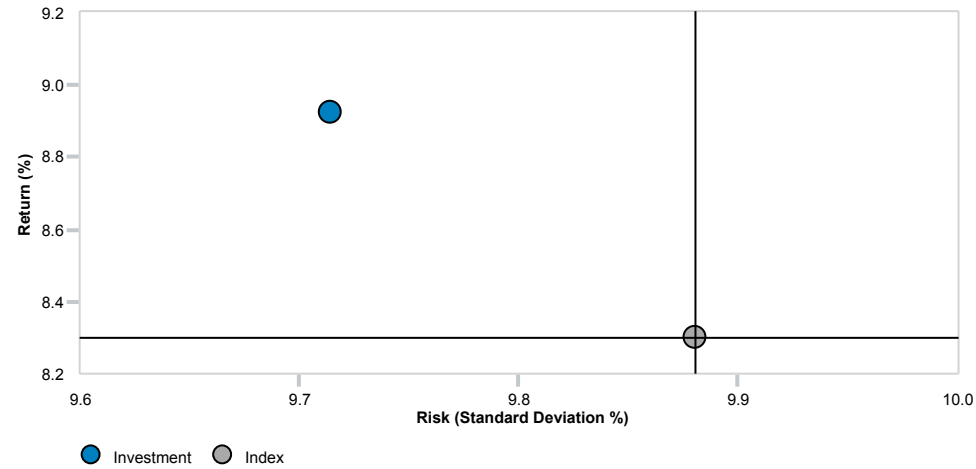
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	8.92	9.71	0.91	101.20	8	91.81	4
Index	8.30	9.88	0.83	100.00	8	100.00	4

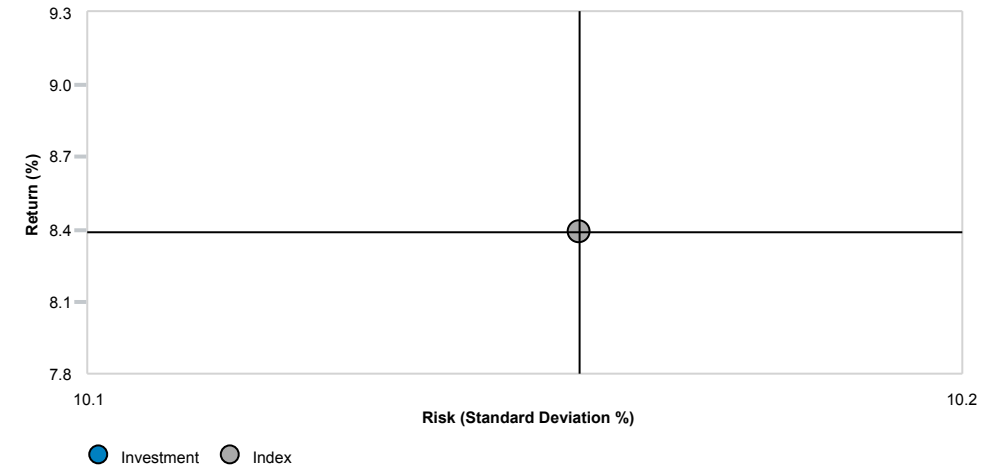
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Index	8.39	10.16	0.83	100.00	13	100.00	7

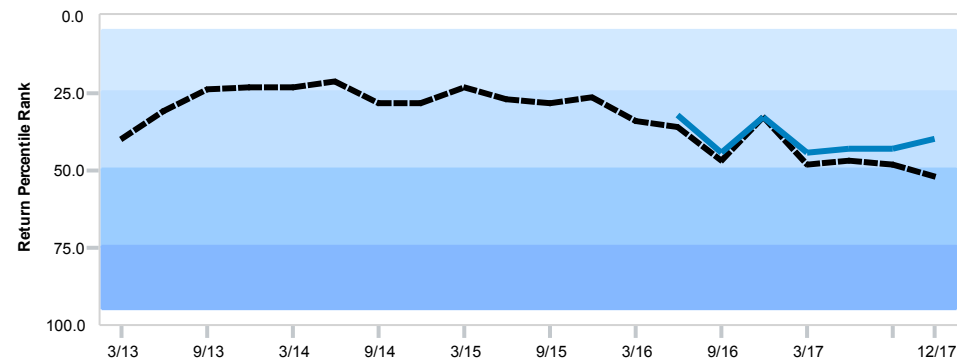
Risk and Return 3 Years



Risk and Return 5 Years

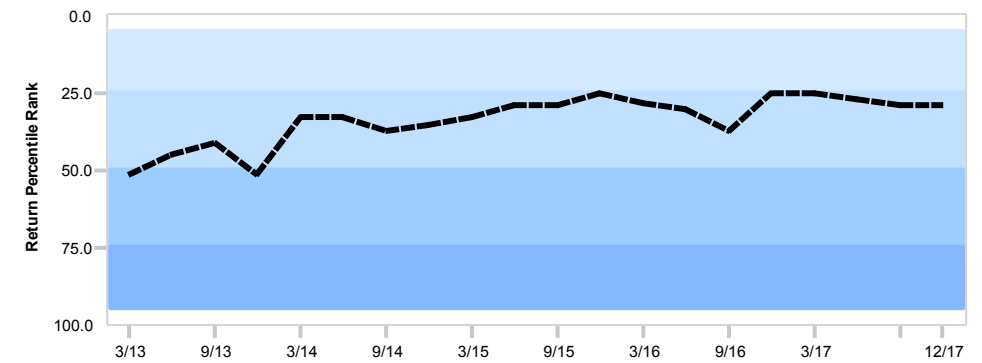


3 Year Rolling Percentile Rank IM International Equity (MF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	7	0 (0%)	7 (100%)	0 (0%)	0 (0%)
Index	20	5 (25%)	14 (70%)	1 (5%)	0 (0%)

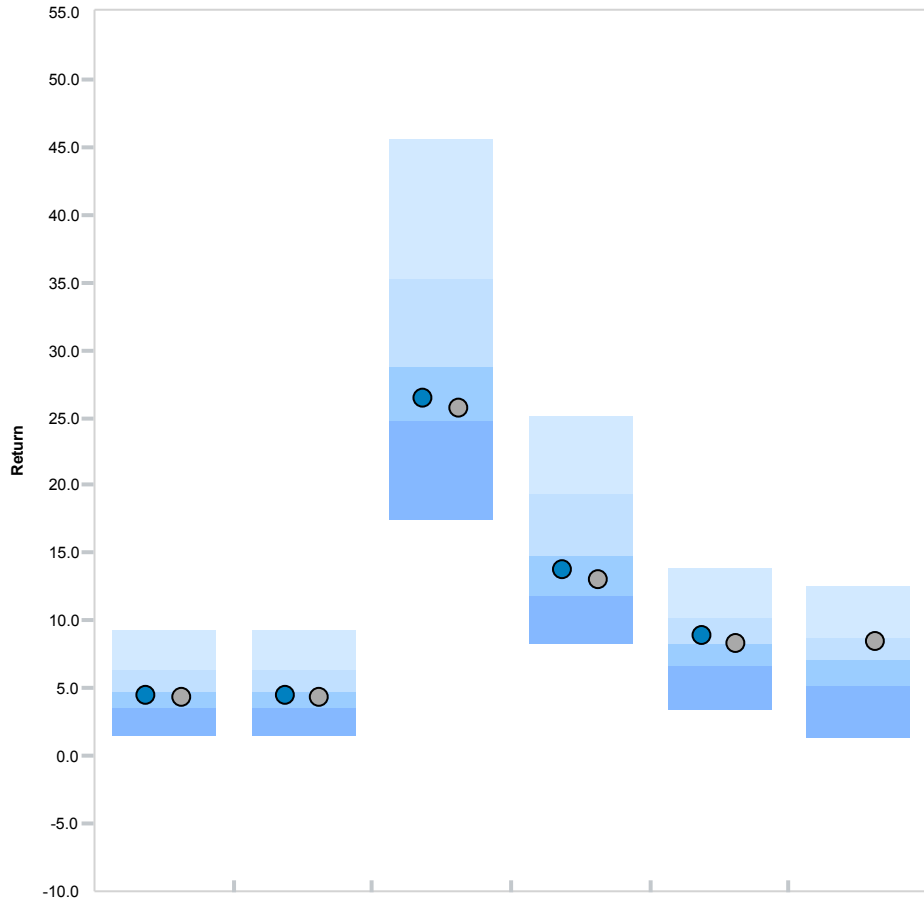
5 Year Rolling Percentile Rank IM International Equity (MF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	0	0	0	0	0
Index	20	3 (15%)	15 (75%)	2 (10%)	0 (0%)

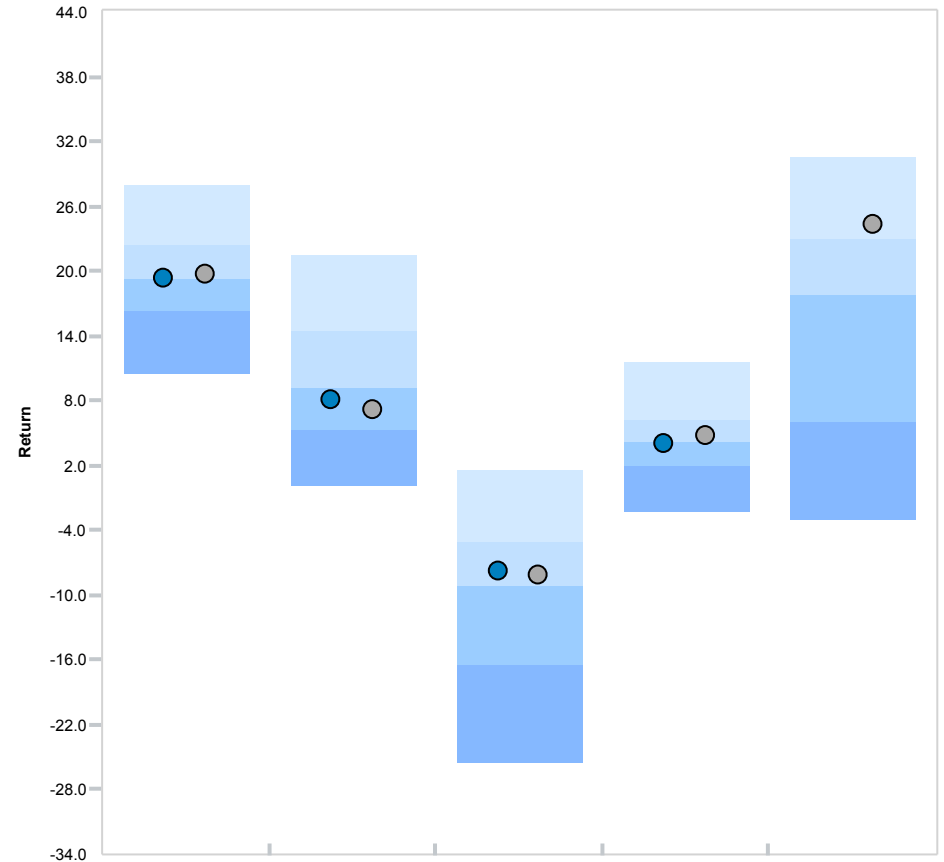


Plan Sponsor Peer Group Analysis vs. IM International Equity (MF)



	QTR	FYTD	1 YR	2 YR	3 YR	5 YR
● Investment	4.45 (54)	4.45 (54)	26.40 (65)	13.79 (58)	8.92 (40)	N/A
● Index	4.27 (58)	4.27 (58)	25.62 (69)	12.92 (65)	8.30 (52)	8.39 (29)
Median	4.67	4.67	28.78	14.70	8.35	7.13

Plan Sponsor Peer Group Analysis vs. IM International Equity (MF)



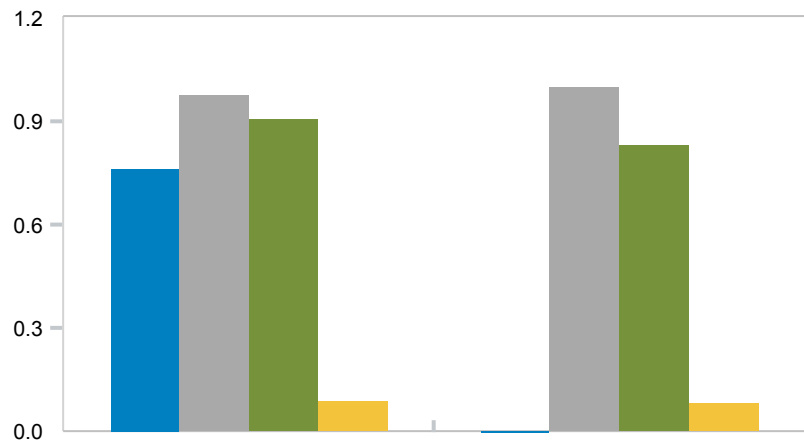
	4 Quarters Ending Sep-2017	4 Quarters Ending Sep-2016	4 Quarters Ending Sep-2015	4 Quarters Ending Sep-2014	4 Quarters Ending Sep-2013
● Investment	19.25 (52)	8.03 (58)	-7.90 (43)	4.01 (54)	N/A
● Index	19.65 (47)	7.06 (64)	-8.27 (45)	4.70 (44)	24.29 (19)
Median	19.31	9.22	-9.18	4.25	17.79

Comparative Performance

	1 Qtr Ending Sep-2017	1 Qtr Ending Jun-2017	1 Qtr Ending Mar-2017	1 Qtr Ending Dec-2016	1 Qtr Ending Sep-2016	1 Qtr Ending Jun-2016
Investment	5.49 (65)	6.39 (51)	7.82 (66)	-1.46 (26)	6.40 (56)	-0.30 (53)
Index	5.47 (65)	6.37 (51)	7.39 (76)	-0.68 (18)	6.50 (53)	-1.19 (67)
Median	6.22	6.40	8.68	-3.84	6.61	-0.13

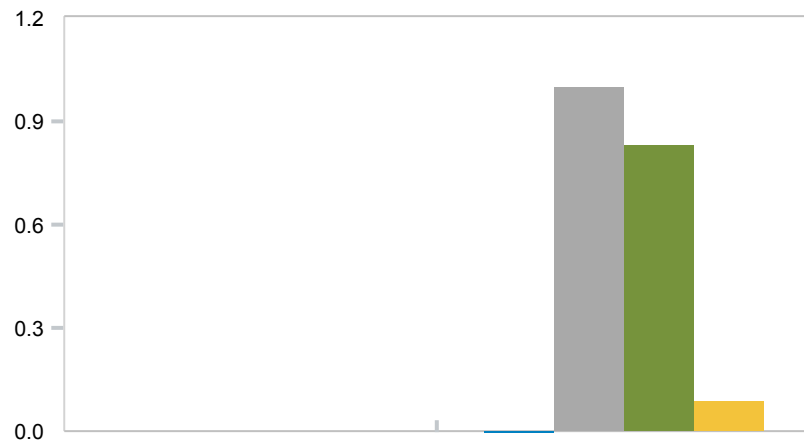


Risk / Reward Historical Statistics 3 Years Ending December 31, 2017



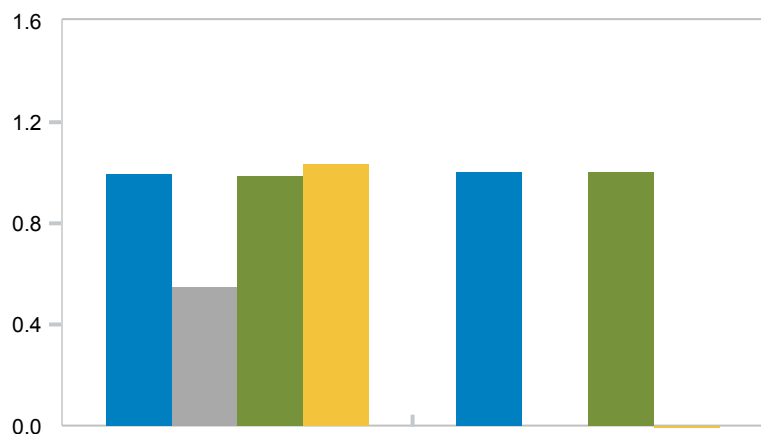
	Vanguard Intl Eq (VTMGX)	MSCI EAFE Index
Alpha	0.76	0.00
Beta	0.98	1.00
Sharpe Ratio	0.91	0.83
Treynor Ratio	0.09	0.08

Risk / Reward Historical Statistics 5 Years Ending December 31, 2017



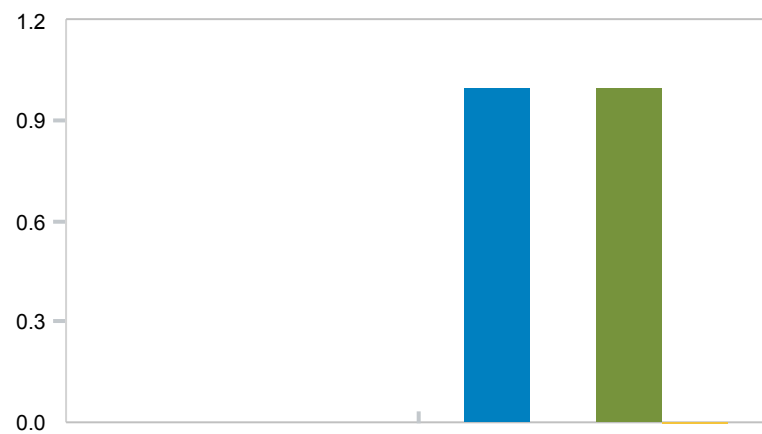
	Vanguard Intl Eq (VTMGX)	MSCI EAFE Index
Alpha	N/A	0.00
Beta	N/A	1.00
Sharpe Ratio	N/A	0.83
Treynor Ratio	N/A	0.08

Benchmark Relative Historical Statistics 3 Years Ending December 31, 2017



	Vanguard Intl Eq (VTMGX)	MSCI EAFE Index
Actual Correlation	0.99	1.00
Information Ratio	0.55	N/A
R-Squared	0.99	1.00
Tracking Error	1.04	0.00

Benchmark Relative Historical Statistics 5 Years Ending December 31, 2017



	Vanguard Intl Eq (VTMGX)	MSCI EAFE Index
Actual Correlation	N/A	1.00
Information Ratio	N/A	N/A
R-Squared	N/A	1.00
Tracking Error	N/A	0.00

Benchmark: MSCI EAFE Index



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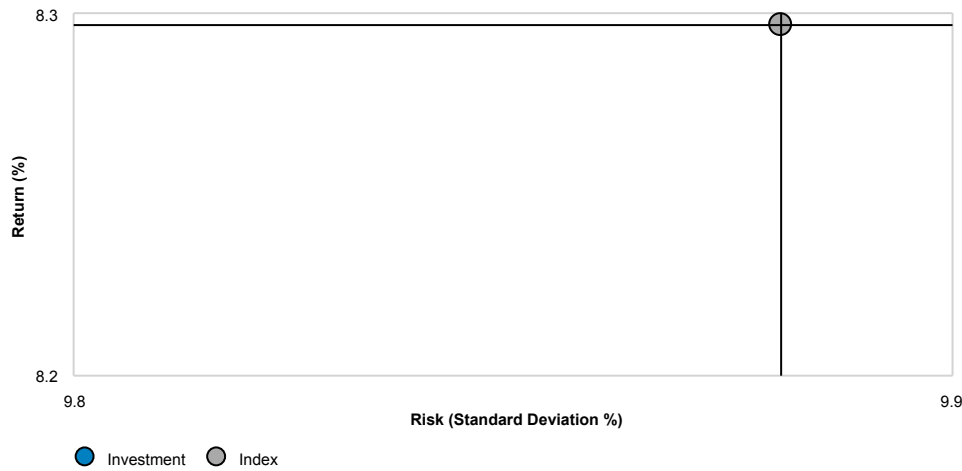
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Index	8.30	9.88	0.83	100.00	8	100.00	4

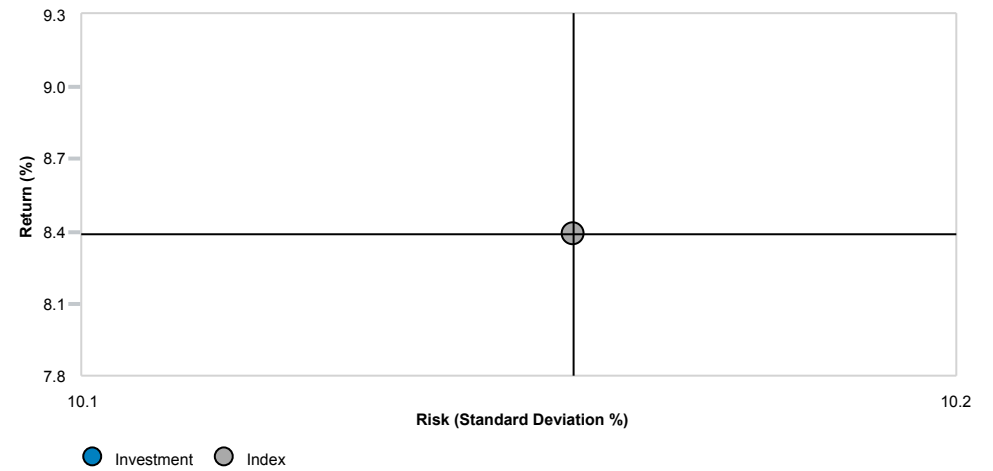
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Index	8.39	10.16	0.83	100.00	13	100.00	7

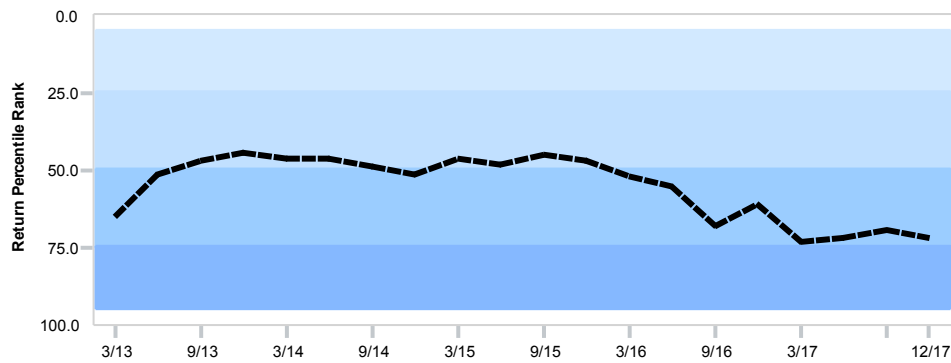
Risk and Return 3 Years



Risk and Return 5 Years

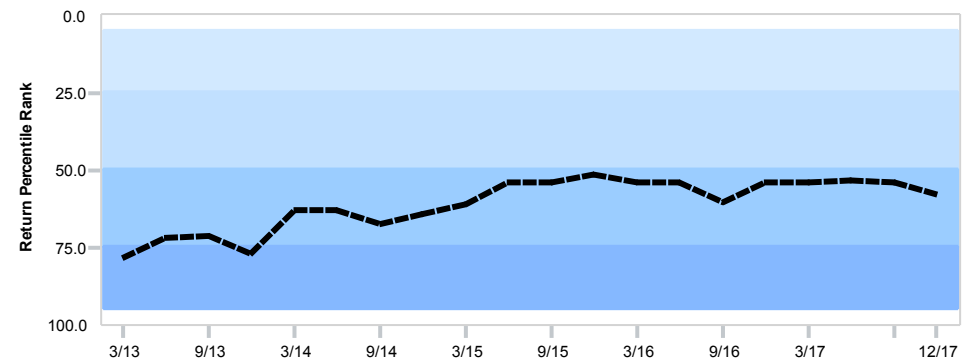


3 Year Rolling Percentile Rank IM International Equity (SA+CF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	0	0	0	0	0
Index	20	0 (0%)	9 (45%)	11 (55%)	0 (0%)

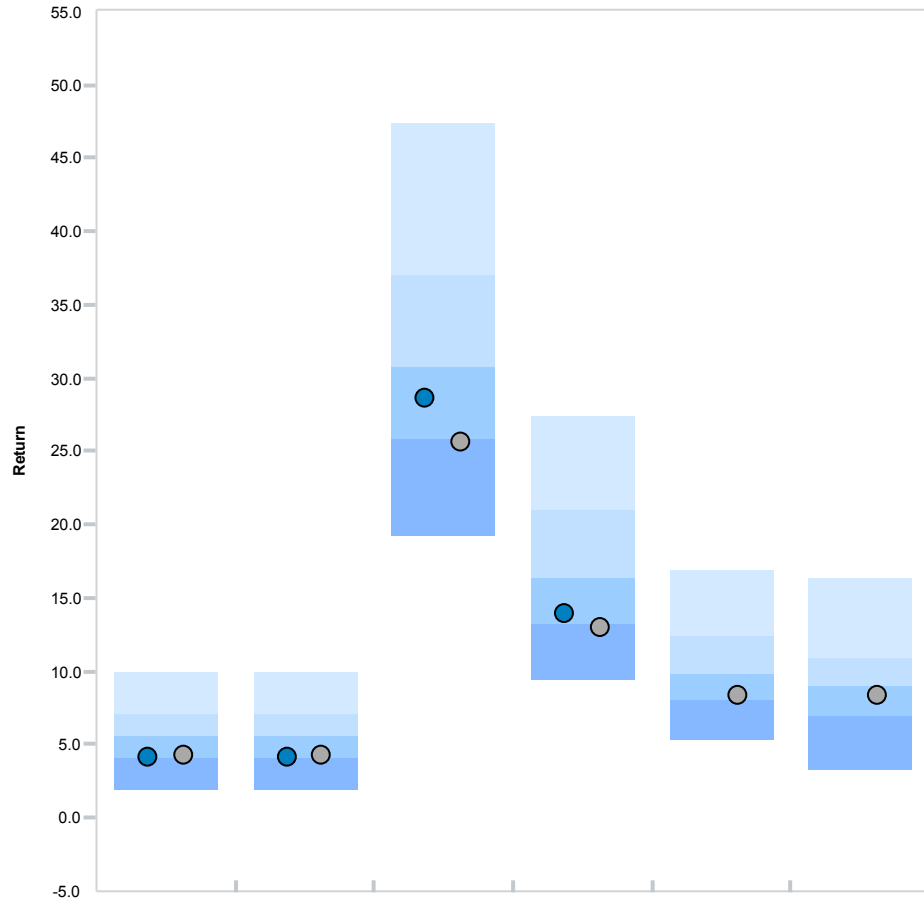
5 Year Rolling Percentile Rank IM International Equity (SA+CF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	0	0	0	0	0
Index	20	0 (0%)	0 (0%)	18 (90%)	2 (10%)

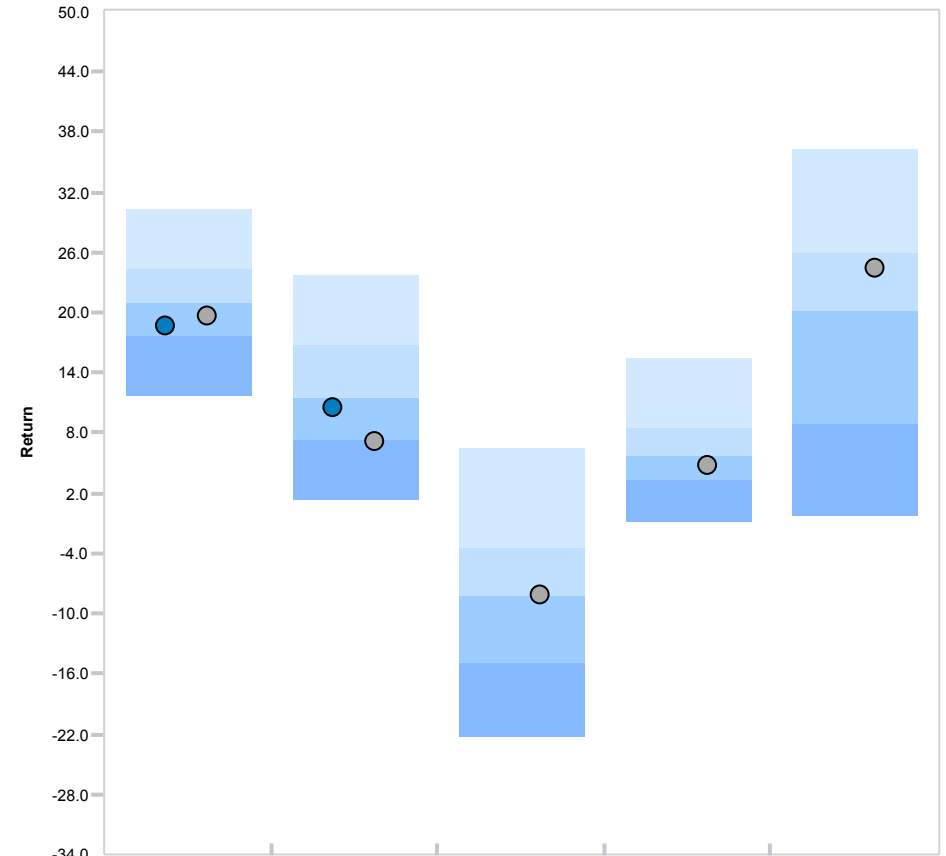


Plan Sponsor Peer Group Analysis vs. IM International Equity (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	5 YR
● Investment	4.14 (75)	4.14 (75)	28.65 (61)	13.86 (70)	N/A	N/A
● Index	4.27 (72)	4.27 (72)	25.62 (77)	12.92 (77)	8.30 (72)	8.39 (58)
Median	5.56	5.56	30.83	16.39	9.80	8.99

Plan Sponsor Peer Group Analysis vs. IM International Equity (SA+CF)



	4 Quarters Ending Sep-2017	4 Quarters Ending Sep-2016	4 Quarters Ending Sep-2015	4 Quarters Ending Sep-2014	4 Quarters Ending Sep-2013
● Investment	18.60 (70)	10.45 (56)	N/A	N/A	N/A
● Index	19.65 (61)	7.06 (76)	-8.27 (50)	4.70 (62)	24.29 (33)
Median	21.00	11.48	-8.28	5.80	20.15

Comparative Performance

	1 Qtr Ending Sep-2017	1 Qtr Ending Jun-2017	1 Qtr Ending Mar-2017	1 Qtr Ending Dec-2016	1 Qtr Ending Sep-2016	1 Qtr Ending Jun-2016
Investment	6.19 (54)	6.71 (51)	9.03 (48)	-4.00 (64)	8.19 (38)	-0.77 (60)
Index	5.47 (68)	6.37 (59)	7.39 (76)	-0.68 (28)	6.50 (65)	-1.19 (65)
Median	6.39	6.73	8.85	-2.88	7.36	-0.09



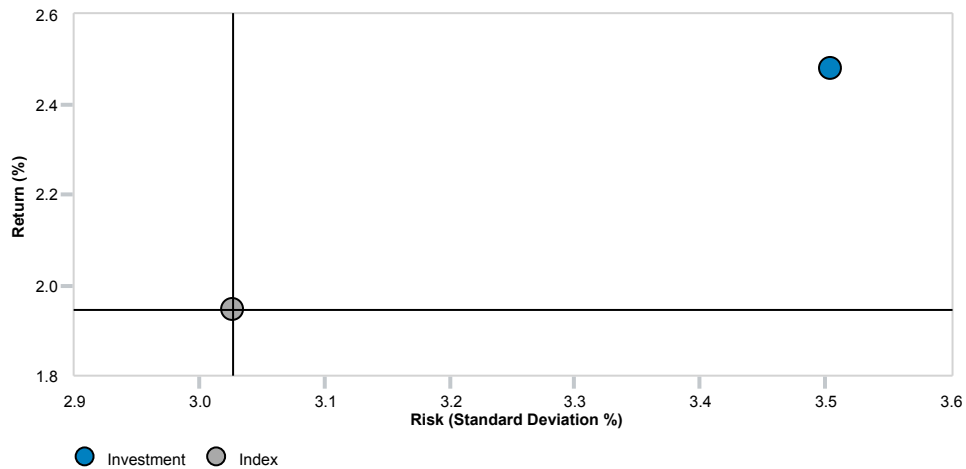
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	2.48	3.50	0.61	120.75	9	112.75	3
Index	1.95	3.03	0.53	100.00	9	100.00	3

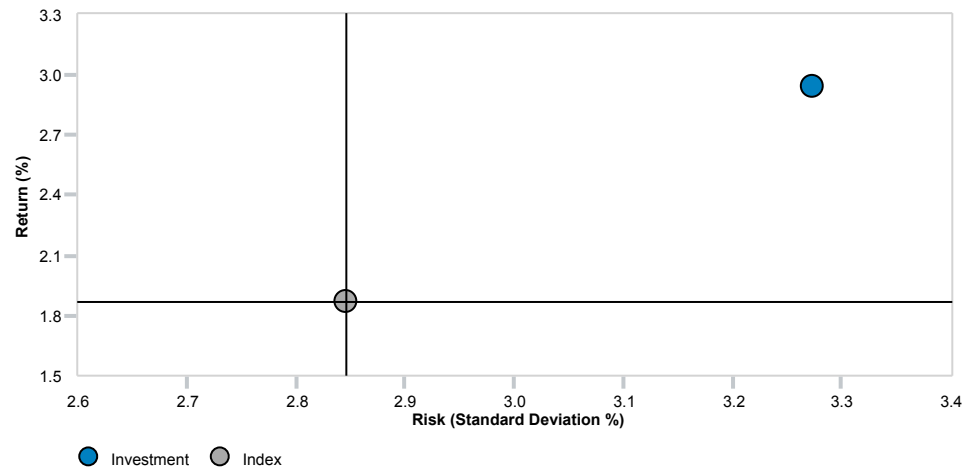
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	2.95	3.27	0.83	126.66	16	88.75	4
Index	1.86	2.85	0.58	100.00	14	100.00	6

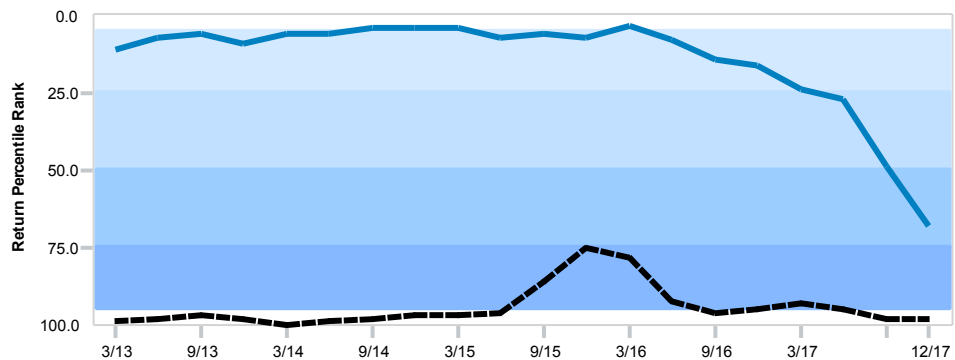
Risk and Return 3 Years



Risk and Return 5 Years

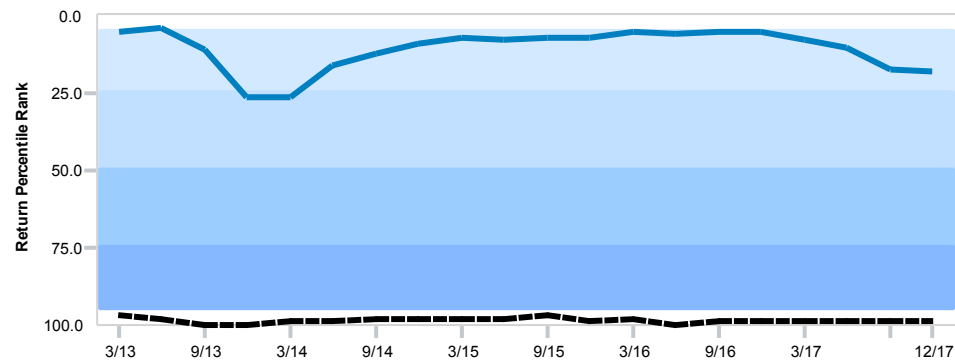


3 Year Rolling Percentile Rank IM U.S. Broad Market Core Fixed Income (SA+CF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	17 (85%)	2 (10%)	1 (5%)	0 (0%)
Index	20	0 (0%)	0 (0%)	1 (5%)	19 (95%)

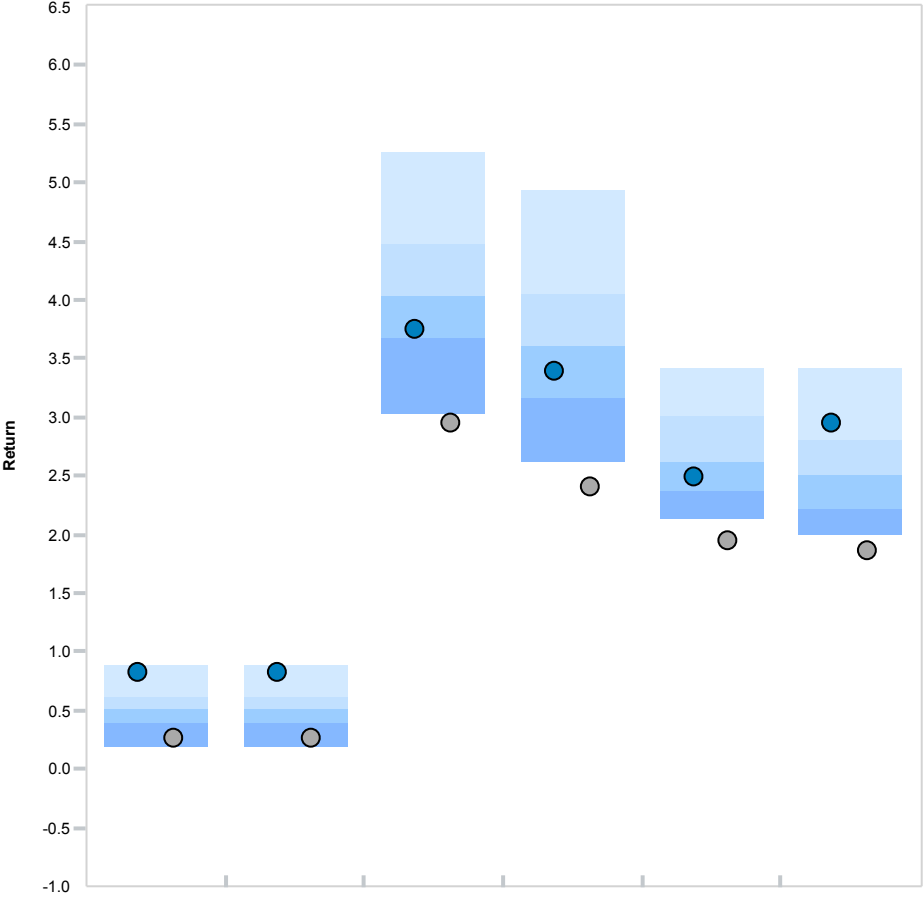
5 Year Rolling Percentile Rank IM U.S. Broad Market Core Fixed Income (SA+CF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	18 (90%)	2 (10%)	0 (0%)	0 (0%)
Index	20	0 (0%)	0 (0%)	0 (0%)	20 (100%)

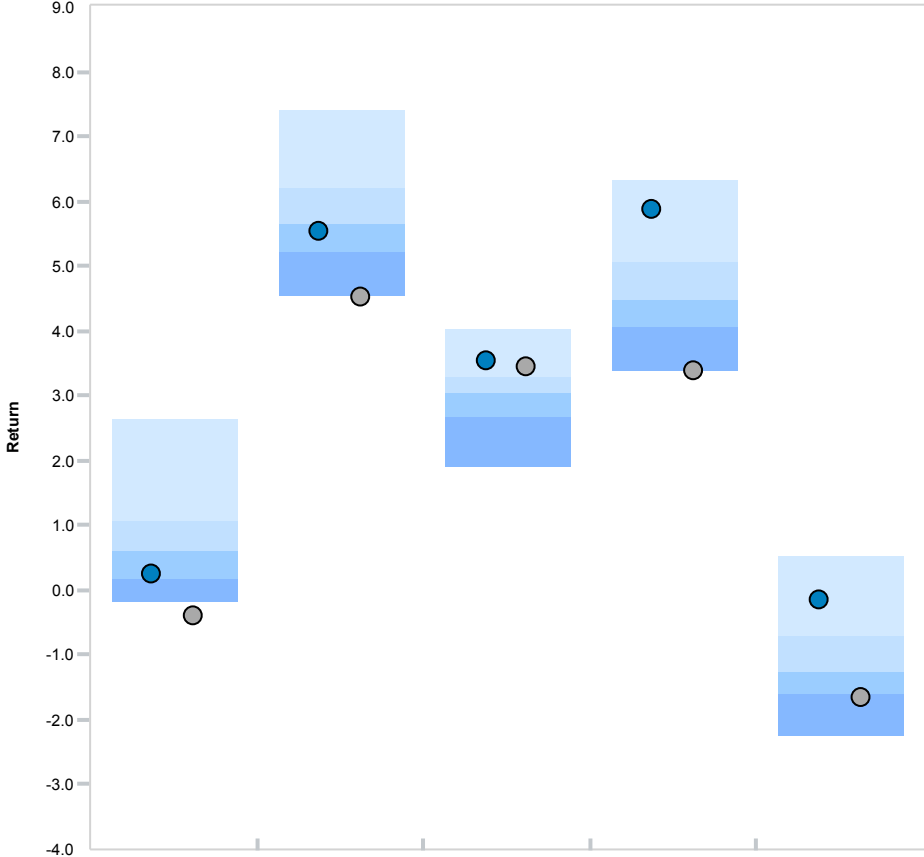


Plan Sponsor Peer Group Analysis vs. IM U.S. Broad Market Core Fixed Income (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	5 YR
● Investment	0.82 (8)	0.82 (8)	3.74 (71)	3.40 (61)	2.48 (68)	2.95 (18)
● Index	0.26 (95)	0.26 (95)	2.94 (97)	2.40 (97)	1.95 (98)	1.86 (99)
Median	0.52	0.52	4.04	3.60	2.62	2.50

Plan Sponsor Peer Group Analysis vs. IM U.S. Broad Market Core Fixed Income (SA+CF)



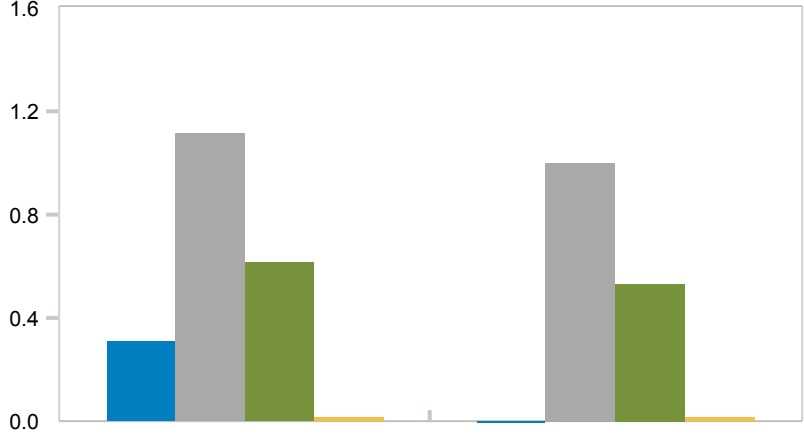
	4 Quarters Ending Sep-2017	4 Quarters Ending Sep-2016	4 Quarters Ending Sep-2015	4 Quarters Ending Sep-2014	4 Quarters Ending Sep-2013
● Investment	0.23 (71)	5.53 (61)	3.53 (12)	5.87 (10)	-0.17 (13)
● Index	-0.42 (100)	4.50 (96)	3.44 (17)	3.39 (95)	-1.68 (80)
Median	0.61	5.66	3.02	4.49	-1.26

Comparative Performance

	1 Qtr Ending Sep-2017	1 Qtr Ending Jun-2017	1 Qtr Ending Mar-2017	1 Qtr Ending Dec-2016	1 Qtr Ending Sep-2016	1 Qtr Ending Jun-2016
Investment	0.43 (100)	1.47 (69)	0.98 (44)	-2.59 (28)	0.18 (98)	2.13 (82)
Index	0.72 (93)	1.25 (96)	0.67 (94)	-3.01 (83)	0.23 (97)	1.90 (94)
Median	0.92	1.54	0.93	-2.80	0.69	2.33

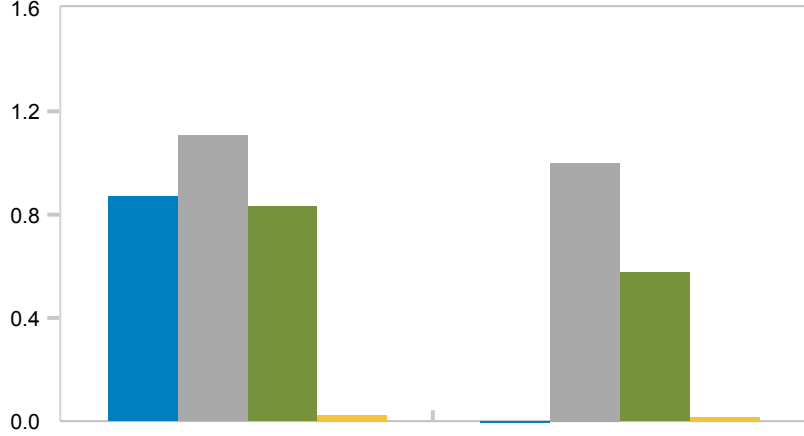


Risk / Reward Historical Statistics 3 Years Ending December 31, 2017



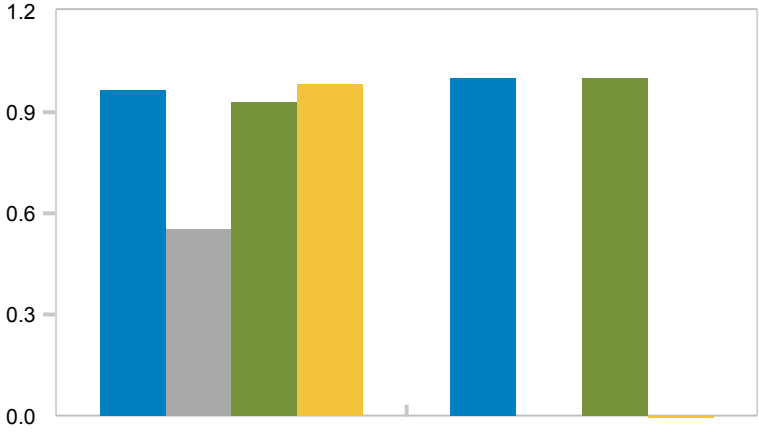
Alpha	0.31	0.00
Beta	1.12	1.00
Sharpe Ratio	0.61	0.53
Treynor Ratio	0.02	0.02

Risk / Reward Historical Statistics 5 Years Ending December 31, 2017



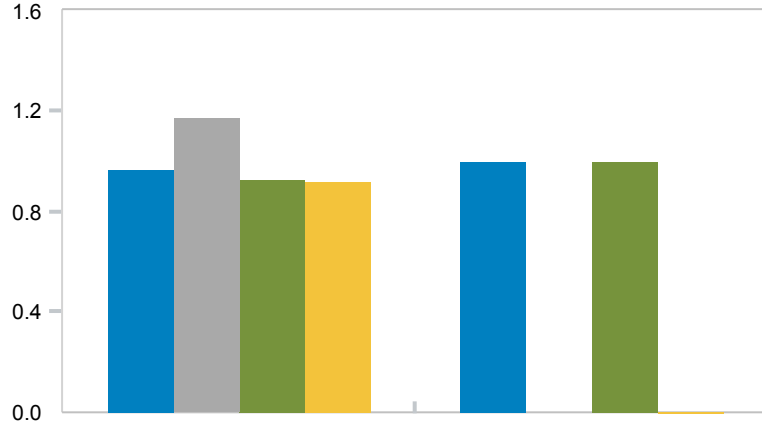
Alpha	0.87	0.00
Beta	1.11	1.00
Sharpe Ratio	0.83	0.58
Treynor Ratio	0.02	0.02

Benchmark Relative Historical Statistics 3 Years Ending December 31, 2017



Actual Correlation	0.97	1.00
Information Ratio	0.55	N/A
R-Squared	0.93	1.00
Tracking Error	0.98	0.00

Benchmark Relative Historical Statistics 5 Years Ending December 31, 2017



Actual Correlation	0.96	1.00
Information Ratio	1.17	N/A
R-Squared	0.93	1.00
Tracking Error	0.92	0.00

Benchmark: Blmbg. Barc. U.S. Aggregate: A+



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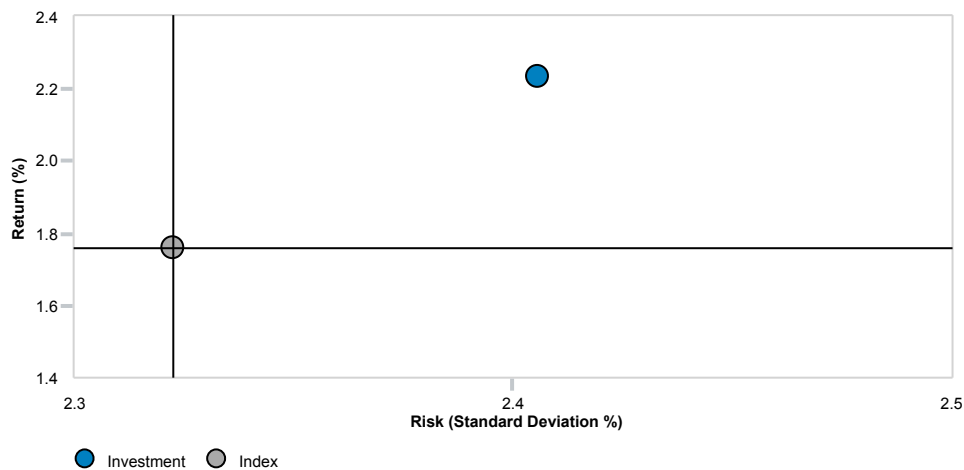
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	2.24	2.41	0.77	109.88	9	85.31	3
Index	1.76	2.32	0.60	100.00	8	100.00	4

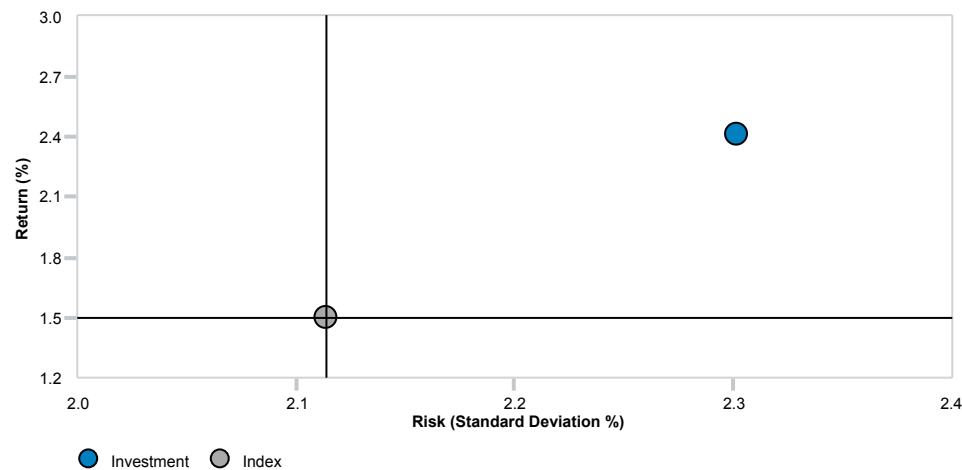
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	2.41	2.30	0.94	121.43	16	67.17	4
Index	1.50	2.11	0.60	100.00	13	100.00	7

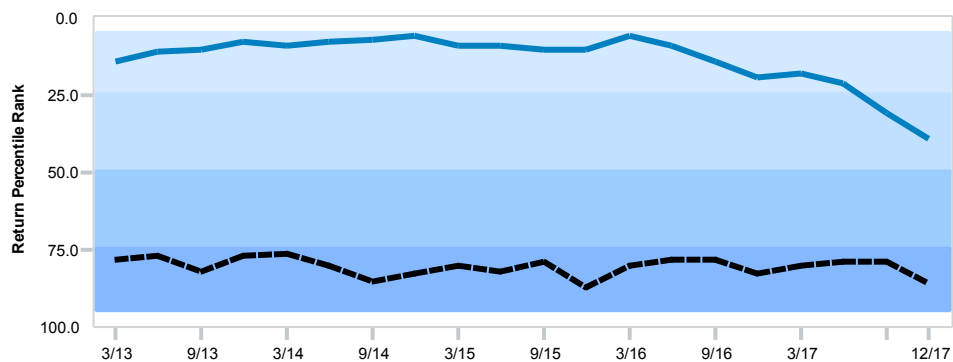
Risk and Return 3 Years



Risk and Return 5 Years

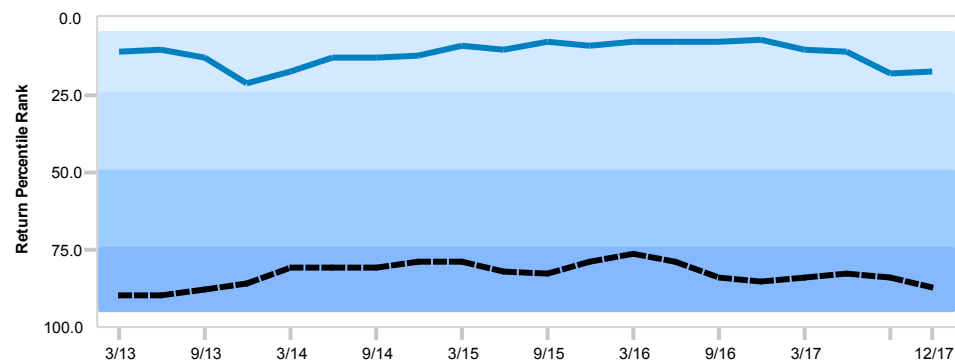


3 Year Rolling Percentile Rank IM U.S. Intermediate Duration (SA+CF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	18 (90%)	2 (10%)	0 (0%)	0 (0%)
Index	20	0 (0%)	0 (0%)	0 (0%)	20 (100%)

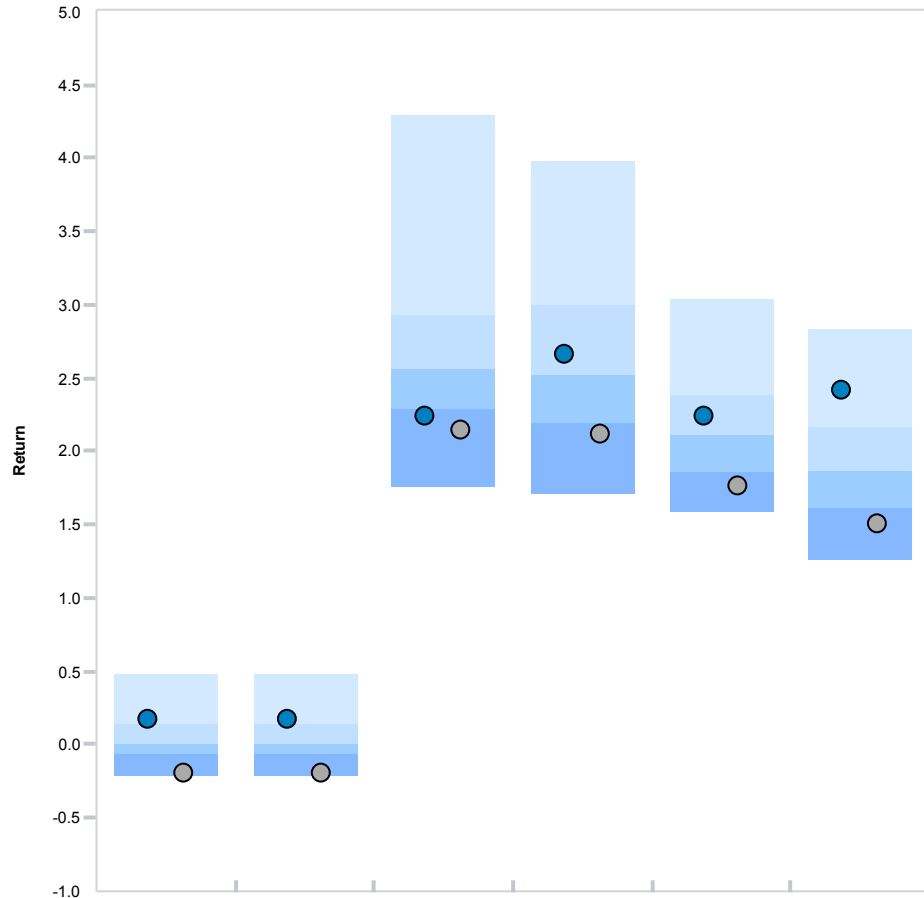
5 Year Rolling Percentile Rank IM U.S. Intermediate Duration (SA+CF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	20 (100%)	0 (0%)	0 (0%)	0 (0%)
Index	20	0 (0%)	0 (0%)	0 (0%)	20 (100%)

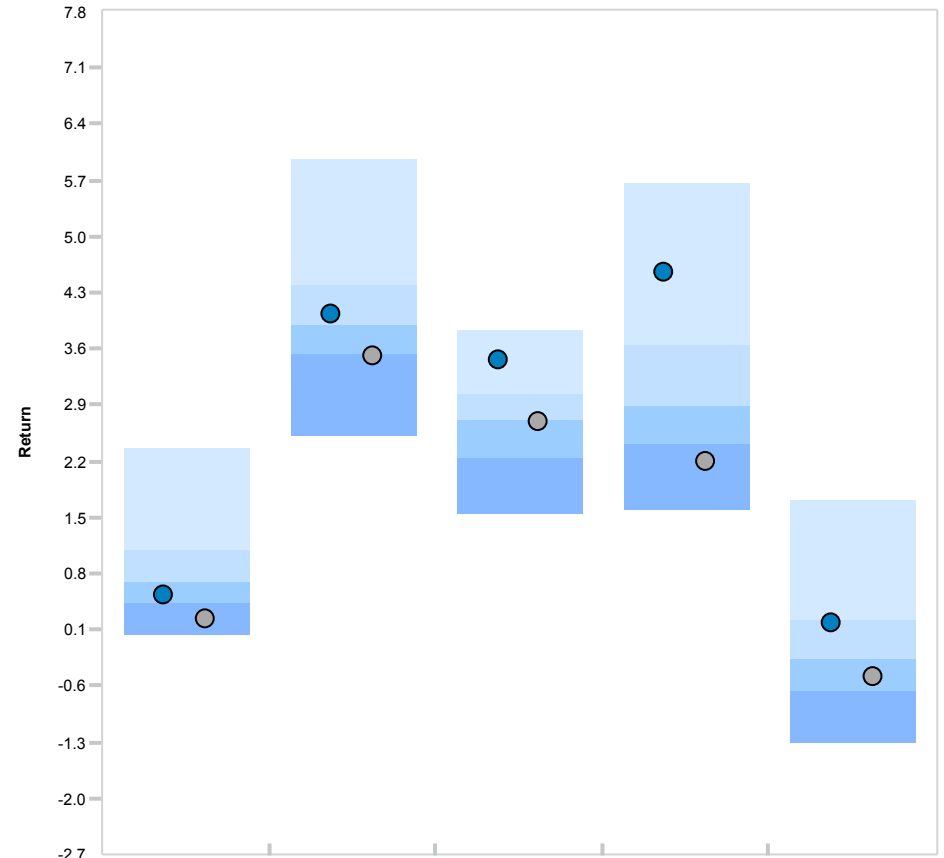


Plan Sponsor Peer Group Analysis vs. IM U.S. Intermediate Duration (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	5 YR
● Investment	0.17 (23)	0.17 (23)	2.24 (81)	2.66 (38)	2.24 (39)	2.41 (17)
● Index	-0.20 (94)	-0.20 (94)	2.14 (85)	2.11 (79)	1.76 (86)	1.50 (87)
Median	0.01	0.01	2.57	2.52	2.12	1.87

Plan Sponsor Peer Group Analysis vs. IM U.S. Intermediate Duration (SA+CF)



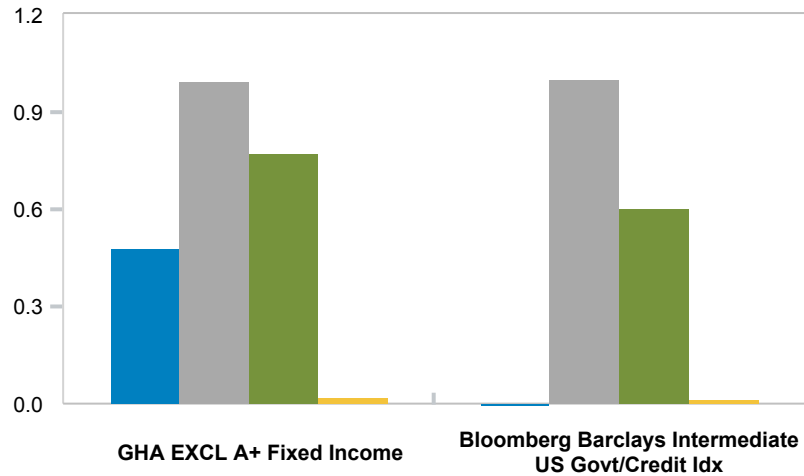
	4 Quarters Ending Sep-2017	4 Quarters Ending Sep-2016	4 Quarters Ending Sep-2015	4 Quarters Ending Sep-2014	4 Quarters Ending Sep-2013
● Investment	0.52 (68)	4.03 (42)	3.45 (8)	4.56 (11)	0.18 (27)
● Index	0.23 (88)	3.52 (76)	2.68 (52)	2.20 (84)	-0.50 (66)
Median	0.70	3.91	2.70	2.89	-0.27

Comparative Performance

	1 Qtr Ending Sep-2017	1 Qtr Ending Jun-2017	1 Qtr Ending Mar-2017	1 Qtr Ending Dec-2016	1 Qtr Ending Sep-2016	1 Qtr Ending Jun-2016
Investment	0.42 (98)	0.85 (85)	0.79 (58)	-1.52 (25)	0.26 (64)	1.38 (78)
Index	0.60 (83)	0.94 (70)	0.78 (59)	-2.07 (82)	0.16 (77)	1.59 (50)
Median	0.72	1.02	0.81	-1.83	0.38	1.58

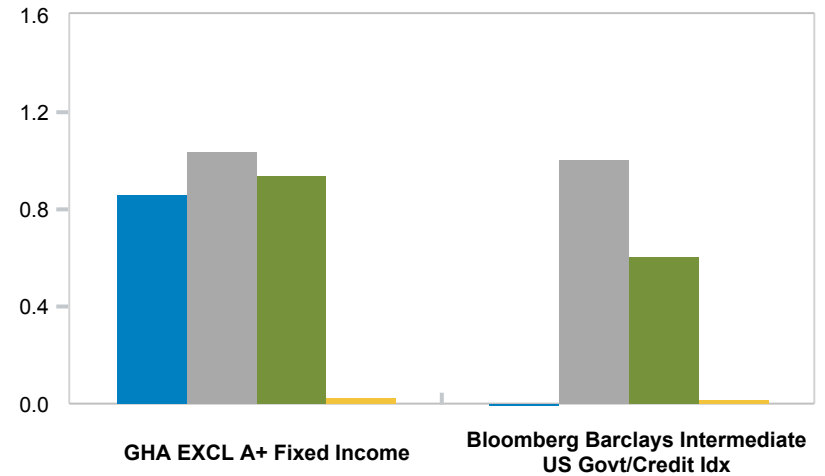


Risk / Reward Historical Statistics 3 Years Ending December 31, 2017



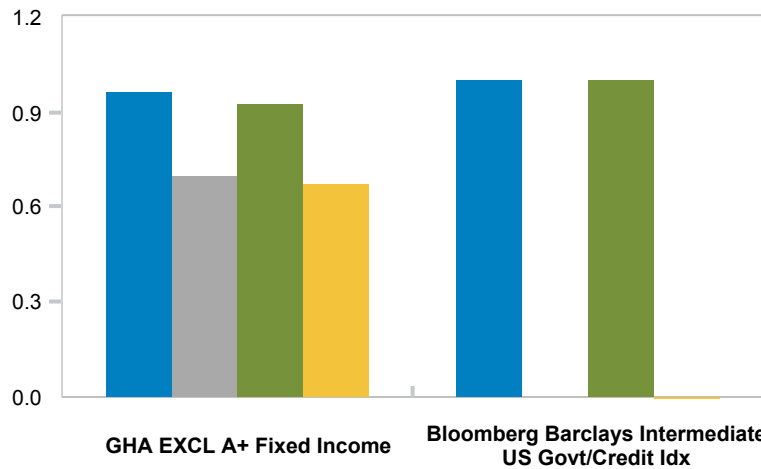
Alpha	0.48	0.00
Beta	0.99	1.00
Sharpe Ratio	0.77	0.60
Treynor Ratio	0.02	0.01

Risk / Reward Historical Statistics 5 Years Ending December 31, 2017



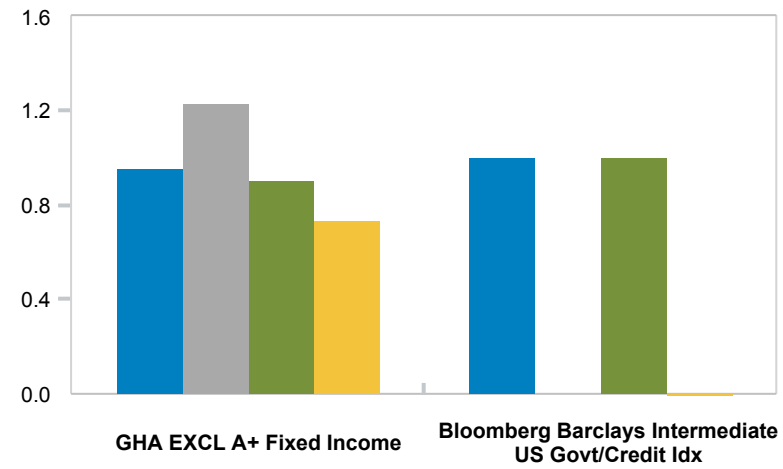
Alpha	0.86	0.00
Beta	1.03	1.00
Sharpe Ratio	0.94	0.60
Treynor Ratio	0.02	0.01

Benchmark Relative Historical Statistics 3 Years Ending December 31, 2017



Actual Correlation	0.96	1.00
Information Ratio	0.70	N/A
R-Squared	0.92	1.00
Tracking Error	0.67	0.00

Benchmark Relative Historical Statistics 5 Years Ending December 31, 2017



Actual Correlation	0.95	1.00
Information Ratio	1.23	N/A
R-Squared	0.90	1.00
Tracking Error	0.73	0.00

Benchmark: Bloomberg Barclays Intermediate US Govt/Credit Idx



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Total Fund Historical Hybrid Composition			
Allocation Mandate	Weight (%)	Allocation Mandate	Weight (%)
Jan-1998		Jul-2010	
S&P 500 Index	60.00	Russell 1000 Value Index	15.50
BofA Merrill Lynch Gov't/ Corp Master	40.00	Bloomberg Barclays Intermediate US Govt/Credit Idx	20.00
Jan-2000		S&P MidCap 400 Index	10.00
S&P 500 Index	50.00	Russell 2500 Index	10.00
Bloomberg Barclays U.S. Aggregate Index	40.00	Russell 1000 Growth Index	15.50
MSCI EAFE Index	10.00	MSCI EAFE Index	9.00
Apr-2004		Blmbg. Barc. U.S. Aggregate: A+	20.00
S&P 500 Index	50.00	Jul-2017	
Bloomberg Barclays U.S. Aggregate Index	40.00	Russell 1000 Value Index	15.50
Russell 2000 Value Index	10.00	Bloomberg Barclays Intermediate US Govt/Credit Idx	16.00
Jan-2007		S&P MidCap 400 Index	10.00
S&P 500 Index	50.00	Russell 2500 Index	10.00
Bloomberg Barclays Intermediate US Govt/Credit Idx	24.00	Russell 1000 Growth Index	15.50
Russell 2000 Value Index	10.00	MSCI EAFE Index	9.00
Barclays Aggregate A+	16.00	Blmbg. Barc. U.S. Aggregate: A+	16.00
Jan-2008		NCREIF Fund Index-Open End Diversified Core (EW)	8.00
S&P 500 Index	40.00	Apr-2008	
Bloomberg Barclays Intermediate US Govt/Credit Idx	24.00	Russell 1000 Value Index	20.00
S&P MidCap 400 Index	10.00	Bloomberg Barclays Intermediate US Govt/Credit Idx	25.00
Barclays Aggregate A+	16.00	S&P MidCap 400 Index	10.00
Russell 2000 Value Index	10.00	Barclays Aggregate A+	15.00
Apr-2009		Russell 2000 Value Index	10.00
Russell 1000 Value Index	20.00	Russell 1000 Growth Index	20.00
Bloomberg Barclays Intermediate US Govt/Credit Idx	20.00	Apr-2009	
S&P MidCap 400 Index	10.00	Russell 1000 Value Index	20.00
Barclays Aggregate A+	20.00	Bloomberg Barclays Intermediate US Govt/Credit Idx	20.00
Russell 2000 Value Index	10.00	S&P MidCap 400 Index	10.00
Russell 1000 Growth Index	20.00	Barclays Aggregate A+	20.00



Benchmark History
Investment Policy Benchmarks
As of December 31, 2017

Total Equity Historical Hybrid Composition	
Allocation Mandate	Weight (%)
Jan-1998	
S&P 500 Index	100.00
Jan-2000	
S&P 500 Index	83.30
MSCI EAFE Index	16.70
Apr-2004	
S&P 500 Index	83.30
Russell 2000 Value Index	16.70
Jan-2008	
S&P 500 Index	66.60
Russell 2000 Value Index	16.70
S&P MidCap 400 Index	16.70
Apr-2008	
Russell 1000 Growth Index	33.30
Russell 2000 Value Index	16.70
S&P MidCap 400 Index	16.70
Russell 1000 Value Index	33.30
Jul-2010	
Russell 1000 Growth Index	25.83
Russell 2500 Index	16.67
S&P MidCap 400 Index	16.67

Total Fixed Income Historical Hybrid Composition	
Allocation Mandate	Weight (%)
Jan-1998	
BofA Merrill Lynch Gov't/ Corp Master	100.00
Jan-2000	
Bloomberg Barclays U.S. Aggregate Index	100.00
Jan-2007	
Bloomberg Barclays Intermediate US Govt/Credit Idx	60.00
Blmbg. Barc. U.S. Corporate A+ Index	40.00
Apr-2008	
Bloomberg Barclays Intermediate US Govt/Credit Idx	62.50
Blmbg. Barc. U.S. Corporate A+ Index	37.50
Apr-2009	
Bloomberg Barclays Intermediate US Govt/Credit Idx	50.00
Blmbg. Barc. U.S. Aggregate: A+	50.00

GHA Balanced Historical Hybrid Composition	
Allocation Mandate	Weight (%)
Jan-1998	
BofA Merrill Lynch Gov't/ Corp Master	70.00
Russell 1000 Growth Index	30.00
Oct-1999	
BofA Merrill Lynch Gov't/ Corp Master	50.00
Russell 1000 Growth Index	50.00
Apr-2003	
Bloomberg Barclays Intermediate US Govt/Credit Idx	45.00
Russell 1000 Growth Index	55.00
Apr-2008	
Bloomberg Barclays Intermediate US Govt/Credit Idx	66.67
Russell 1000 Growth Index	33.33
Apr-2009	
Bloomberg Barclays Intermediate US Govt/Credit Idx	50.00
Russell 1000 Growth Index	50.00
Jul-2010	
Bloomberg Barclays Intermediate US Govt/Credit Idx	56.00
Russell 1000 Growth Index	44.00

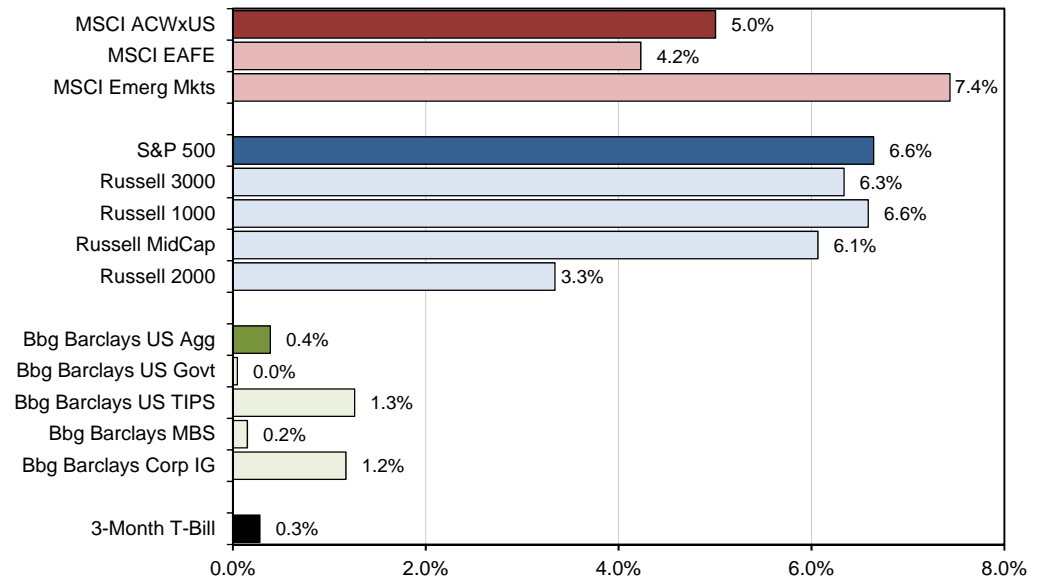


4th Quarter 2017 Market Environment

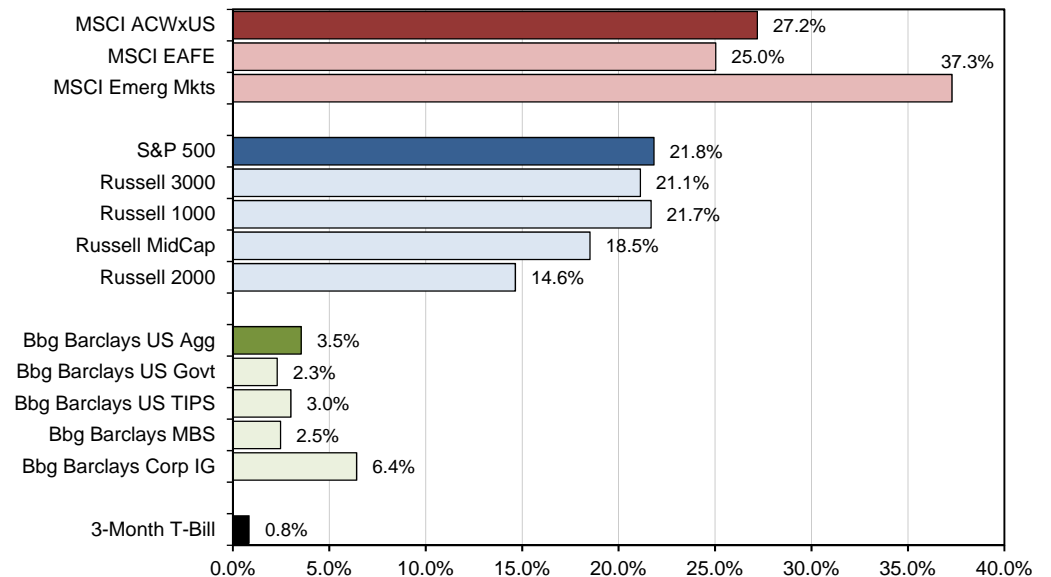


- Market returns were positive across major equity and fixed income indices for the 4th quarter and calendar year 2017. Broad domestic and international equity markets continued their year long trend of strong positive performance. Fixed income indices also posted positive results, but equities outpaced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

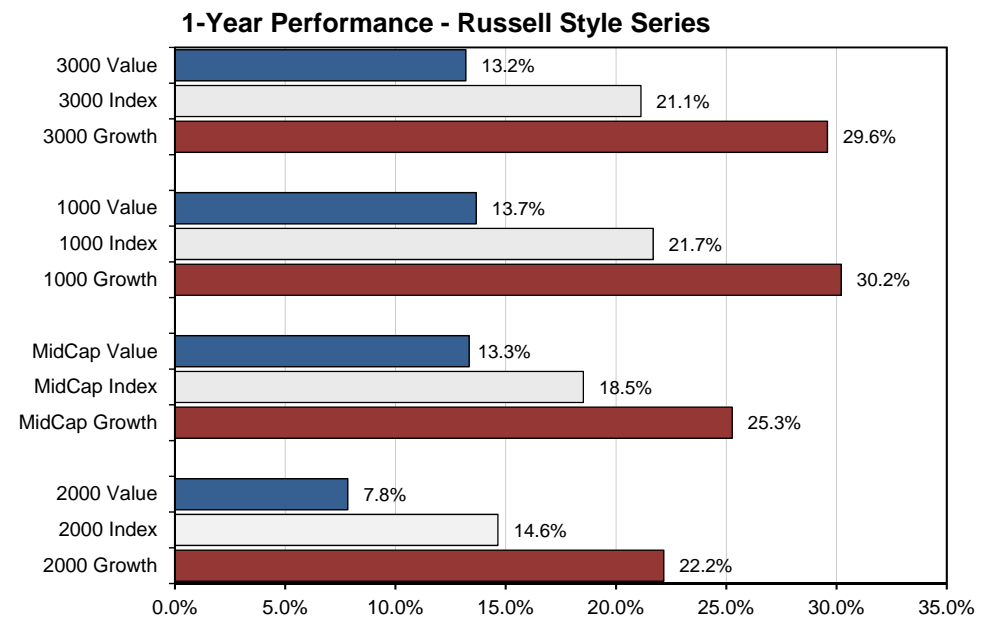
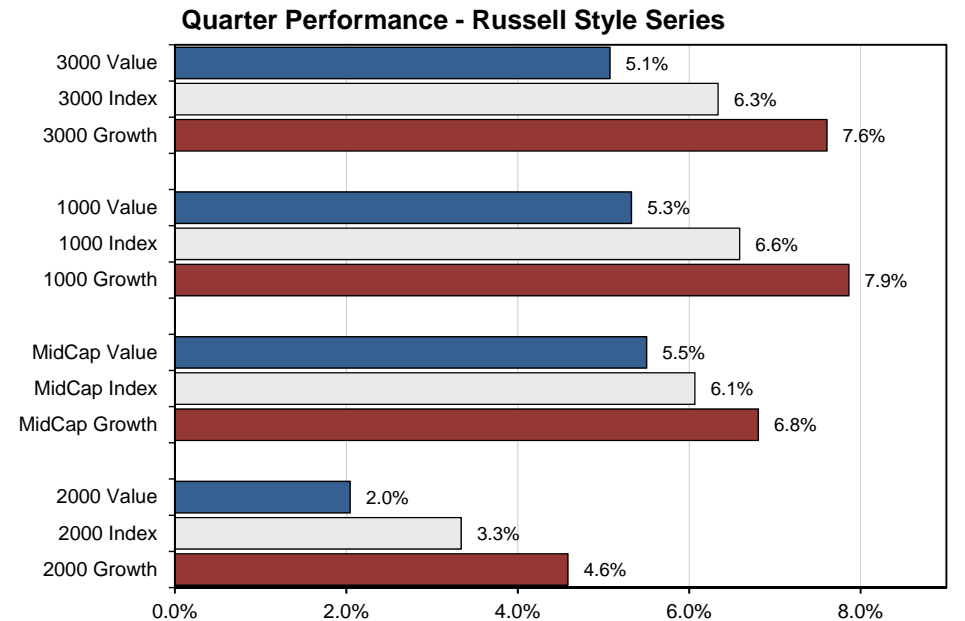
Quarter Performance



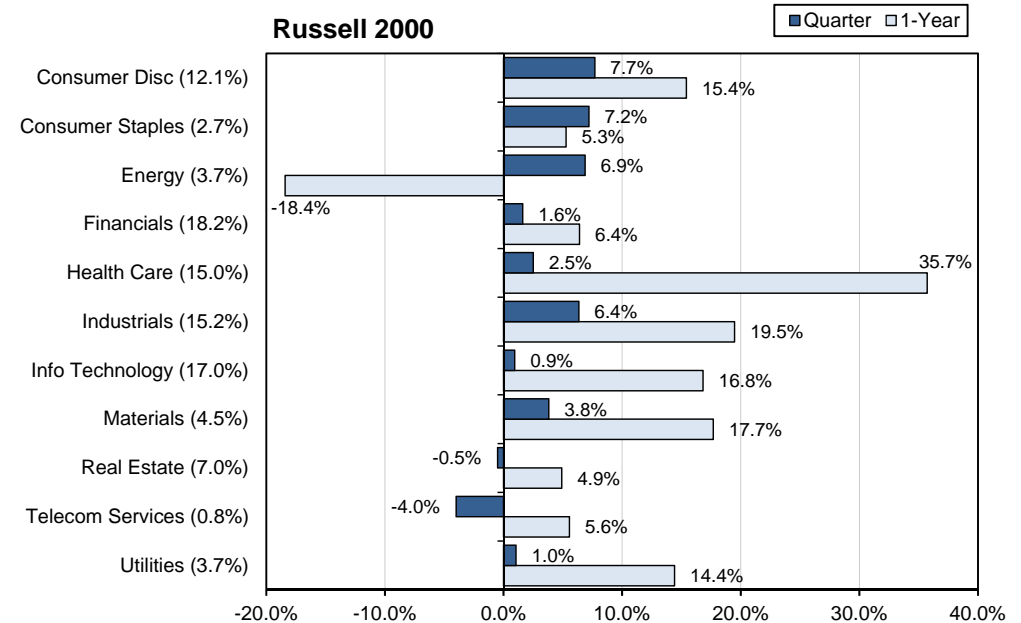
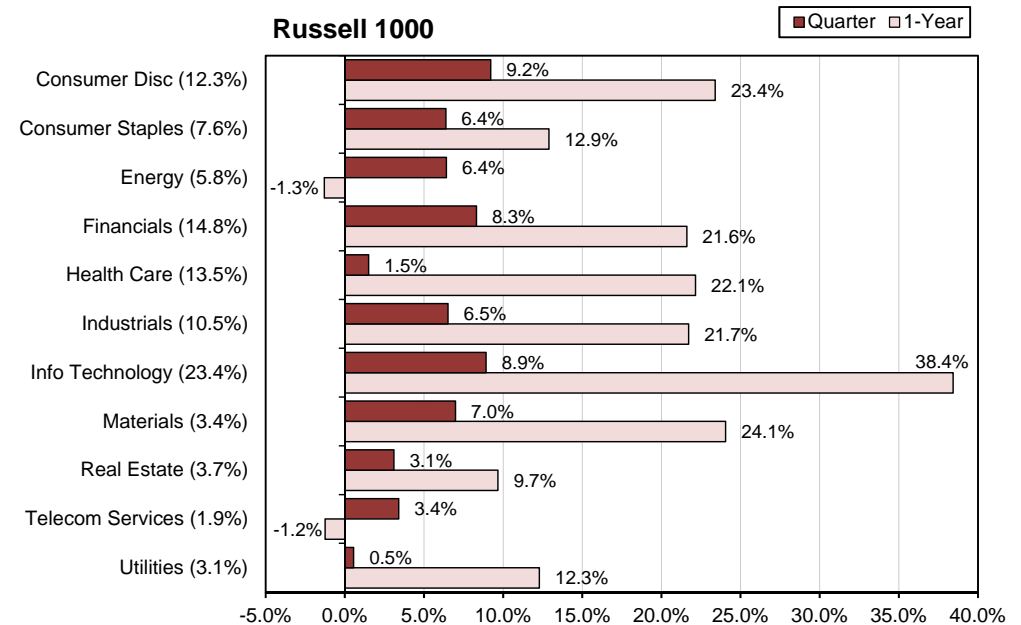
1-Year Performance



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



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



The Market Environment
Top 10 Index Weights & Quarterly Performance for the Russell 1000 & 2000
As of December 31, 2017

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

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

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

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

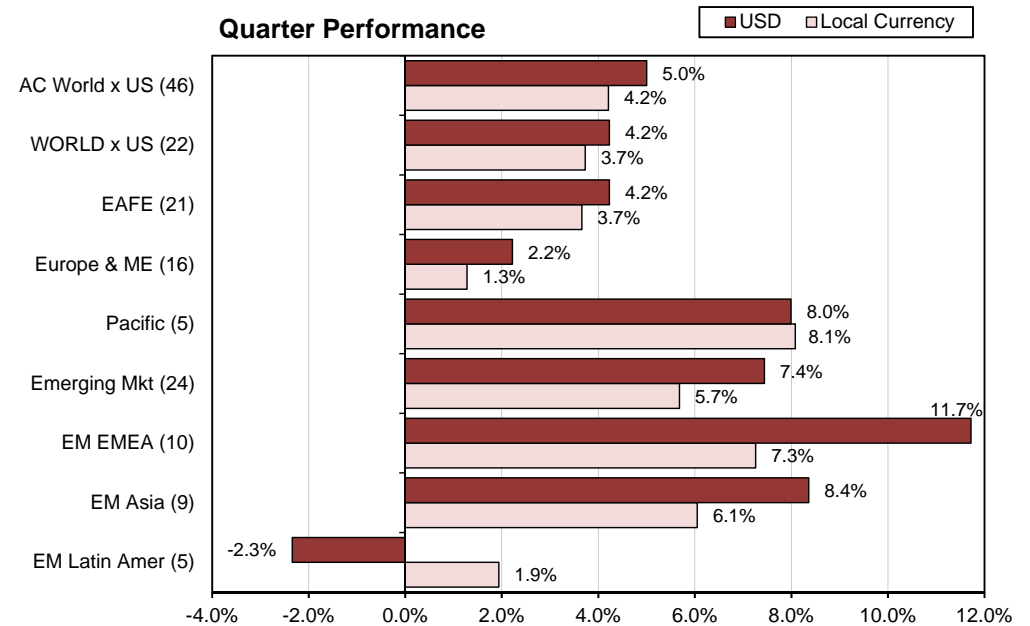
Top 10 Performing Stocks (by Quarter)				
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Verso Corp A	0.03%	245.2%	147.5%	Materials
AnaptysBio Inc	0.09%	188.2%	N/A	Health Care
Sage Therapeutics Inc	0.30%	164.4%	222.6%	Health Care
Valhi Inc	0.01%	154.6%	82.7%	Materials
Nektar Therapeutics Inc	0.42%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

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

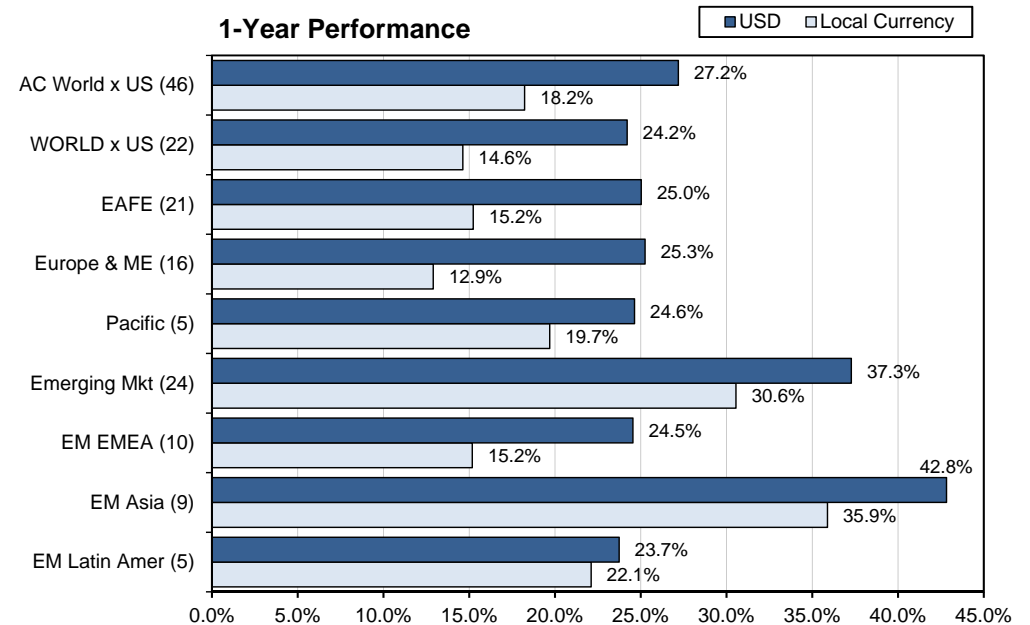


- International equity returns advanced during the 4th quarter, largely driven by ongoing improvement in the global economy and continued weakness in the USD. These trends, in tandem with a rally in technology stocks and rising commodity prices, helped emerging markets continue their 2017 outperformance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

Quarter Performance



1-Year Performance



The Market Environment
U.S. Dollar International Index Attribution & Country Detail
As of December 31, 2017

MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	12.3%	5.3%	24.7%
Consumer Staples	11.2%	4.9%	24.1%
Energy	5.3%	10.0%	21.6%
Financials	21.2%	3.0%	24.7%
Health Care	10.1%	0.0%	16.9%
Industrials	14.6%	4.8%	30.0%
Information Technology	6.4%	5.0%	39.3%
Materials	8.2%	8.5%	33.9%
Real Estate	3.6%	6.4%	21.7%
Telecommunication Services	3.9%	0.7%	12.9%
Utilities	3.2%	-1.0%	19.2%
Total	100.0%	4.2%	25.0%

MSCI - ACWIXUS	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	11.3%	6.1%	28.1%
Consumer Staples	9.6%	5.5%	24.0%
Energy	6.7%	7.4%	16.5%
Financials	23.1%	4.5%	26.0%
Health Care	7.6%	1.3%	18.1%
Industrials	11.9%	4.8%	29.4%
Information Technology	11.5%	6.2%	51.1%
Materials	8.2%	8.4%	32.2%
Real Estate	3.2%	5.6%	26.5%
Telecommunication Services	4.0%	1.5%	14.5%
Utilities	2.9%	-0.4%	18.6%
Total	100.0%	5.0%	27.2%

MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	10.2%	9.0%	40.1%
Consumer Staples	6.6%	8.2%	25.5%
Energy	6.8%	7.9%	21.1%
Financials	23.5%	8.2%	32.6%
Health Care	2.7%	16.6%	32.7%
Industrials	5.2%	5.1%	26.1%
Information Technology	27.7%	7.1%	60.6%
Materials	7.4%	8.7%	33.6%
Real Estate	2.8%	3.1%	49.5%
Telecommunication Services	4.8%	3.0%	16.8%
Utilities	2.4%	1.5%	16.6%
Total	100.0%	7.4%	37.3%

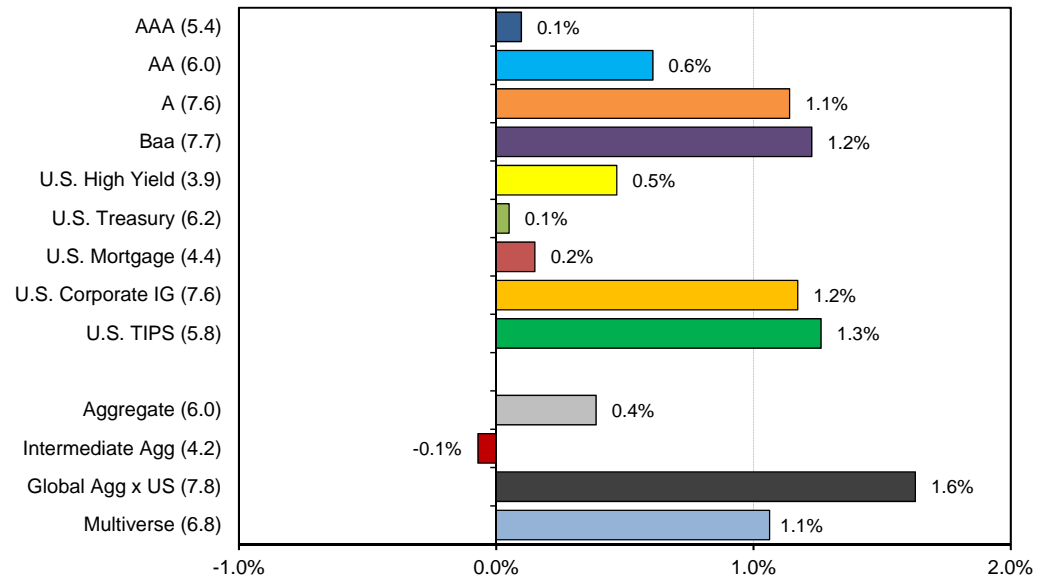
Country	MSCI-EAFE Weight	MSCI-ACWIXUS Weight	Quarter Return	1- Year Return
Japan	24.0%	16.5%	8.5%	24.0%
United Kingdom	17.8%	12.2%	5.7%	22.3%
France	10.7%	7.3%	1.5%	28.8%
Germany	9.8%	6.7%	2.8%	27.7%
Switzerland	8.0%	5.5%	1.8%	22.5%
Australia	6.9%	4.8%	6.8%	19.9%
Hong Kong	3.6%	2.5%	6.6%	36.2%
Netherlands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

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

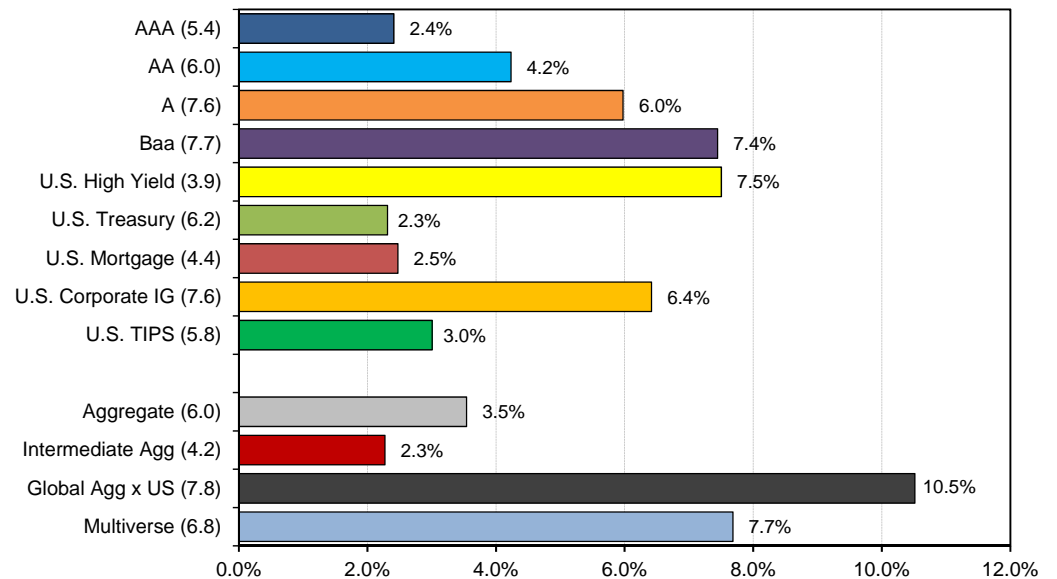


- Broad fixed income benchmarks were slightly positive during the 4th quarter. In October, the Fed began implementation of its plan to gradually reduce its balance sheet by systematically slowing the rate of reinvestment of the Treasury and mortgage backed securities (MBS) it holds on its books as the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

Quarter Performance

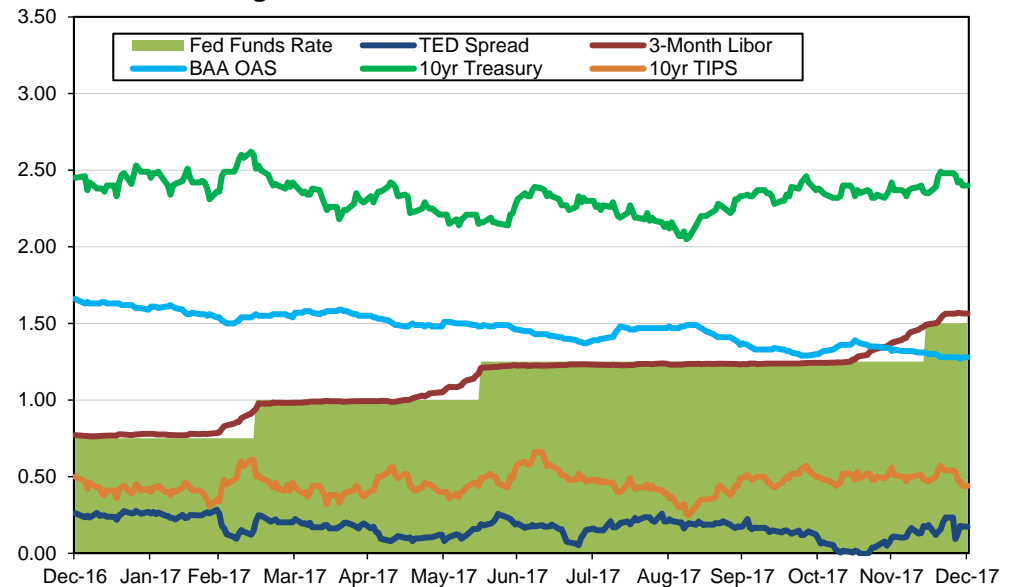


1-Year Performance

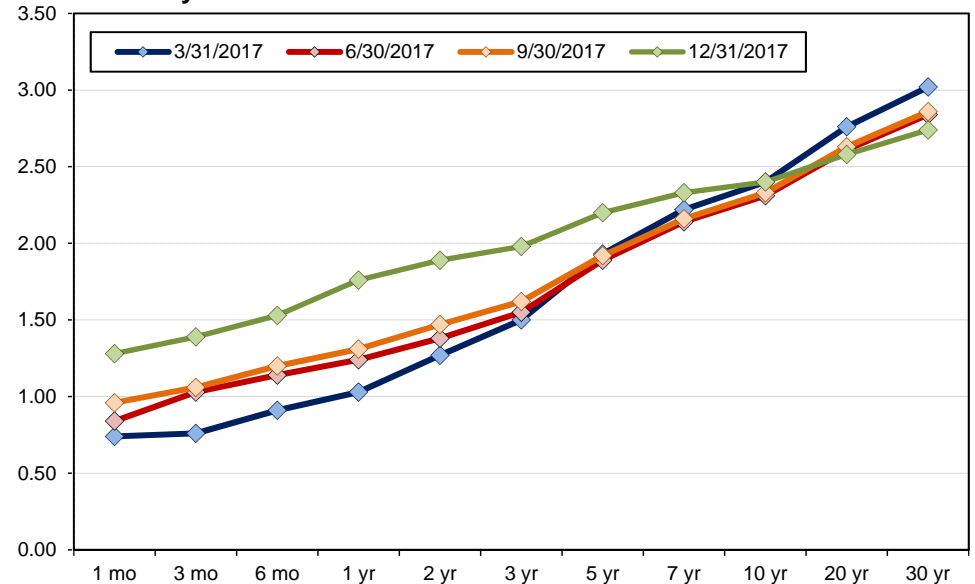


- Global fixed income indices also posted gains for the quarter. Global benchmarks are impacted by the same local yield and duration factors as domestic benchmarks. While these indices have relatively high durations, which benefitted them in the current quarter, the returns of these indices are also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

1-Year Trailing Market Rates



Treasury Yield Curve



Disclosures

Disclosures as they pertain to GHA balanced account:

- GHA LCG and GHA EXCL A+ Fixed Income accounts are part of the GHA Balanced portfolio, and the returns for these accounts are represented as segment level returns that did not include their respective cash returns.
- Due to the balanced account, Total Equity and Total Fixed Income Composites are shown as segment level returns that do not include their respective cash balances and returns.

Active Return	- Arithmetic difference between the manager's performance and the designated benchmark return over a specified time period.
Alpha	- A measure of the difference between a portfolio's actual performance and its expected return based on its level of risk as determined by beta. It determines the portfolio's non-systemic return, or its historical performance not explained by movements of the market.
Beta	- A measure of the sensitivity of a portfolio to the movements in the market. It is a measure of the portfolio's systematic risk.
Consistency	- The percentage of quarters that a product achieved a rate of return higher than that of its benchmark. Higher consistency indicates the manager has contributed more to the product's performance.
Distributed to Paid In (DPI)	- The ratio of money distributed to Limited Partners by the fund, relative to contributions. It is calculated by dividing cumulative distributions by paid in capital. This multiple shows the investor how much money they got back. It is a good measure for evaluating a fund later in its life because there are more distributions to measure against.
Down Market Capture	- The ratio of average portfolio performance over the designated benchmark during periods of negative returns. A lower value indicates better product performance
Downside Risk	- A measure similar to standard deviation that utilizes only the negative movements of the return series. It is calculated by taking the standard deviation of the negative quarterly set of returns. A higher factor is indicative of a riskier product.
Excess Return	- Arithmetic difference between the manager's performance and the risk-free return over a specified time period.
Excess Risk	- A measure of the standard deviation of a portfolio's performance relative to the risk free return.
Information Ratio	- This calculates the value-added contribution of the manager and is derived by dividing the active rate of return of the portfolio by the tracking error. The higher the Information Ratio, the more the manager has added value to the portfolio.
Public Market Equivalent (PME)	- Designs a set of analyses used in the Private Equity Industry to evaluate the performance of a Private Equity Fund against a public benchmark or index.
R-Squared	- The percentage of a portfolio's performance that can be explained by the behavior of the appropriate benchmark. A high R-Squared means the portfolio's performance has historically moved in the same direction as the appropriate benchmark.
Return	- Compounded rate of return for the period.
Sharpe Ratio	- Represents the excess rate of return over the risk free return divided by the standard deviation of the excess return. The result is an absolute rate of return per unit of risk. A higher value demonstrates better historical risk-adjusted performance.
Standard Deviation	- A statistical measure of the range of a portfolio's performance. It represents the variability of returns around the average return over a specified time period.
Total Value to Paid In (TVPI)	- The ratio of the current value of remaining investments within a fund, plus the total value of all distributions to date, relative to the total amount of capital paid into the fund to date. It is a good measure of performance before the end of a fund's life
Tracking Error	- This is a measure of the standard deviation of a portfolio's returns in relation to the performance of its designated market benchmark.
Treynor Ratio	- Similar to Sharpe ratio but utilizes beta rather than excess risk as determined by standard deviation. It is calculated by taking the excess rate of return above the risk free rate divided by beta to derive the absolute rate of return per unit of risk. A higher value indicates a product has achieved better historical risk-adjusted performance.
Up Market Capture	- The ratio of average portfolio performance over the designated benchmark during periods of positive returns. A higher value indicates better product performance.



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