Investment Performance Review Period Ending September 30, 2021

# **Sunrise Police Retirement Plan**



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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 7.35% target rate of return over the trailing three year period.	•	
The total plan return equaled or exceeded the 7.35% 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 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.	•	
Rhumbline R1000G	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.	•	
Polen Capital	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.	•	



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.	•	
Vanguard R2000 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.	•	
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.	•	
Real Estate Compliance:		
Barings Real Estate	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.*		•
ASB Real Estate	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.*		•

<sup>\*</sup> Only 3 years available

Net perfomance used when available



<sup>\*\*</sup> Since Inception

	Asset Allocation \$	Curren Allocation			rences %)	Target Rebal. (\$000)
Total Fund Composite	211,717,574	100.0	100.0		0.0	-
Ceredex Equity	35,372,807	16.7	15.5		1.2	-2,556,583
Rhumbline R1000G	14,583,838	6.9	6.3	(	0.6	-1,351,489
Polen Capital	14,938,414	7.1		(	0.8	-1,706,065
Ark Disruptive Technology ETF (ARKK)	5,827,915	2.8			0.2	523,612
Mutual of America Equity	22,604,279	10.7			0.7	-1,432,521
Great Lakes SMID Cap	-	0.0			0.0	-
anguard R2000 (VRTIX)	21,284,977	10.1			0.1	-113,220
PM International Equity	9,506,868	4.5			0.0	20,423
Vanguard Developed Mar (VTMGX)	9,995,411	4.7			0.2	-468,120
GHA EXCL A+ Fixed Income	20,737,162	9.8			6.2	13,137,650
GHA A+ Fixed Income	33,644,423	15.9			0.1	230,389
Barings Real Estate	7,737,575	3.7			0.3	731,128
ASB Real Estate R&D Cash	6,529,884 6,078,659	3.1 2.9			0.9 2.9	1,938,819 -6,078,659
Rhumbline R1000G (6.9%)  Polen Capital (7.1%)				0.6%		
Polen Capital (7.1%)  Ark Disruptive Technology ETF (ARKK) (2.8%)			-0.2 %	0.8%		
Mutual of America Equity (10.7%)			<u> </u>	0.7%		
Great Lakes SMID Cap (0.0%)	_		0.0%			
Vanguard R2000 (VRTIX) (10.1%)	_		0.1%			
JPM International Equity (4.5%)	_		0.0%			
Vanguard Developed Mar (VTMGX) (4.7%)			0.2%			
GHA EXCL A+ Fixed Income (9.8%)		-6.2 %	0.48			
GHA A+ Fixed Income (15.9%)  Barings Real Estate (3.7%)			-0.1 % -0.3 %			
ASB Real Estate (3.1%)			-0.9 %			
R&D Cash (2.9%)				2.9%		
, ,		1	-3.0 % 0.0%		6.0%	

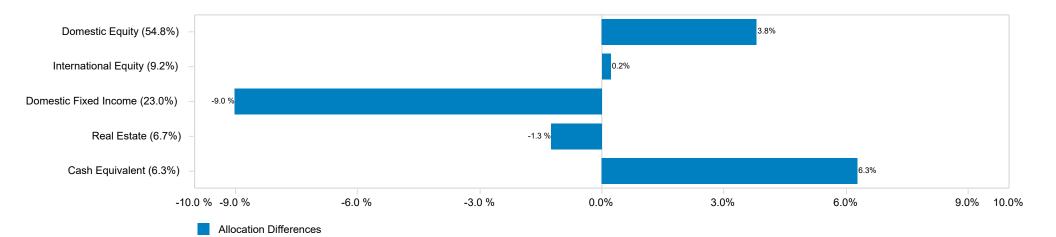
Allocation Differences

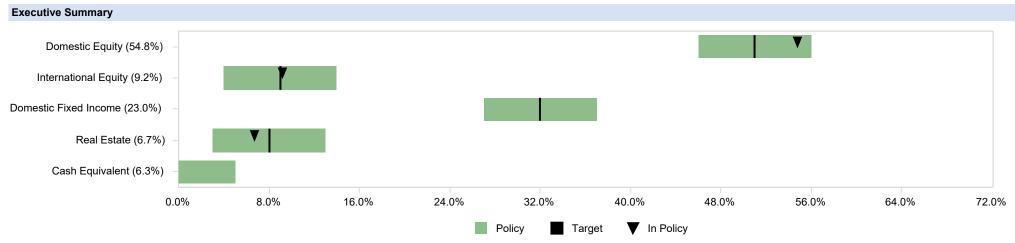


# **Executive Summary** Ceredex Equity (16.7%) Rhumbline R1000G (6.9%) Polen Capital (7.1%) Ark Disruptive Technology ETF (ARKK) (2.8%) Mutual of America Equity (10.7%) Great Lakes SMID Cap (0.0%) Vanguard R2000 (VRTIX) (10.1%) JPM International Equity (4.5%) Vanguard Developed Mar (VTMGX) (4.7%) GHA EXCL A+ Fixed Income (9.8%) GHA A+ Fixed Income (15.9%) Barings Real Estate (3.7%) ASB Real Estate (3.1%) R&D Cash (2.9%) 0.0% 3.0% 6.0% 9.0% 12.0% 15.0% 18.0% 21.0% 24.0% 27.0% Outside Policy Policy ▼ In Policy Target



	Asset Allocation \$	Current Allocation (%)	Target Allocation (%)	Differences (%)	Target Rebal. (\$000)
Domestic Equity	116,044,424	54.8	51.0	3.8	-8,068,461
International Equity	19,502,279	9.2	9.0	0.2	-447,697
Domestic Fixed Income	48,628,608	23.0	32.0	-9.0	19,121,015
Real Estate	14,267,459	6.7	8.0	-1.3	2,669,947
Cash Equivalent	13,274,804	6.3	0.0	6.3	-13,274,804
Total Fund	211,717,574	100.0	100.0	0.0	_

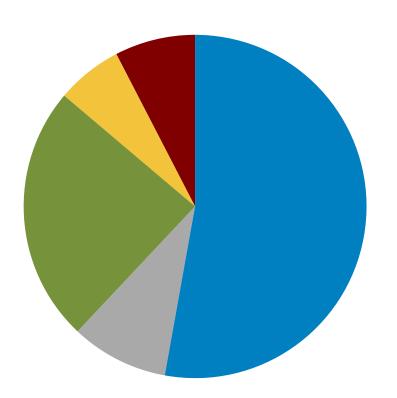


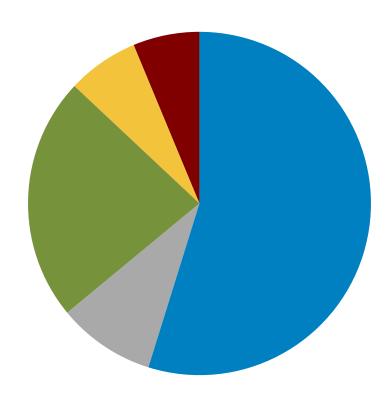




Asset Allocation By Segment as of June 30, 2021 : \$217,777,801

Asset Allocation By Segment as of September 30, 2021 : \$211,717,574



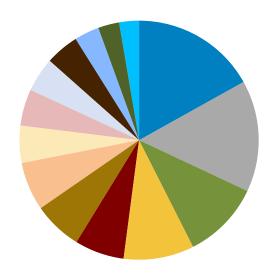


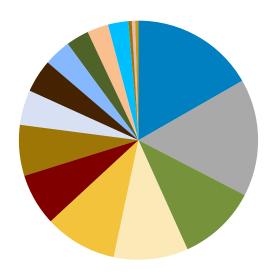
location					
Segments	Market Value	Allocation	Segments	Market Value	Allocation
■ Domestic Equity	115,047,854	52.8	■ Domestic Equity	116,044,424	54.8
International Equity	20,020,522	9.2	International Equity	19,502,279	9.2
■ Domestic Fixed Income	52,600,287	24.2	Domestic Fixed Income	48,628,608	23.0
Real Estate	13,558,815	6.2	Real Estate	14,267,459	6.7
■ Cash Equivalent	16,550,323	7.6	■ Cash Equivalent	13,274,804	6.3



Asset Allocation By Manager as of June 30, 2021 : \$217,777,801

Asset Allocation By Manager as of September 30, 2021 : \$211,717,574

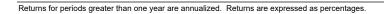




ocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
■ Ceredex Equity	36,802,417	16.9	■ Ceredex Equity	35,372,807	16.7
■ GHA A+ Fixed Income	32,853,597	15.1	■ GHA A+ Fixed Income	33,644,423	15.9
■ Mutual of America Equity	23,009,217	10.6	Mutual of America Equity	22,604,279	10.7
GHA EXCL A+ Fixed Income	20,745,978	9.5	Vanguard R2000 (VRTIX)	21,284,977	10.1
■ Polen Capital	14,554,427	6.7	GHA EXCL A+ Fixed Income	20,737,162	9.8
■ Rhumbline R1000G	14,417,964	6.6	■ Polen Capital	14,938,414	7.1
R&D Cash	14,270,241	6.6	■ Rhumbline R1000G	14,583,838	6.9
Vanguard R2000 (VRTIX)	10,958,987	5.0	Vanguard Developed Mar (VTMGX)	9,995,411	4.7
■ Great Lakes SMID Cap	10,738,723	4.9	■ JPM International Equity	9,506,868	4.5
Vanguard Developed Mar (VTMGX)	10,154,165	4.7	Barings Real Estate	7,737,575	3.7
■ JPM International Equity	9,866,356	4.5	■ ASB Real Estate	6,529,884	3.1
Barings Real Estate	7,333,957	3.4	R&D Cash	6,078,659	2.9
■ ASB Real Estate	6,224,857	2.9	Ark Disruptive Technology ETF (ARKK)	5,827,915	2.8
Ark Disruptive Technology ETF (ARKK)	5,846,912	2.7	■ First Trust Cloud Computing ETF (SKYY)	977,530	0.5
■ Defiance 5G Next Gen Connectivity ETF (FIVG)	-	0.0	Ark Autonomous Technology & Robotics ETF (ARKQ)	954,239	0.5
Ark Autonomous Technology & Robotics ETF (ARKQ)	-	0.0	Defiance 5G Next Gen Connectivity ETF (FIVG)	943,594	0.4
■ First Trust Cloud Computing ETF (SKYY)	-	0.0	■ Great Lakes SMID Cap	-	0.0



Comparative Performance Trailing Returns								
	QTR	YTD	FYTD	1 YR	3 YR	5 YR	Inception	Inceptio Date
Total Fund Composite (Gross)	-0.82 (93)	7.76 (68)	20.33 (42)	20.33 (42)	10.60 (50)	10.36 (49)	6.93 (40)	01/01/1998
Total Fund Policy Index	0.19 (17)	9.15 (35)	21.11 (30)	21.11 (30)	10.79 (44)	10.45 (46)	7.03 (34)	
Difference	-1.01	-1.39	-0.78	-0.78	-0.19	-0.09	-0.10	
All Public Plans-Total Fund Median	-0.20	8.49	19.79	19.79	10.60	10.34	6.68	
Total Fund Composite (Net)	-0.89	7.53	19.98	19.98	10.25	10.00	6.58	01/01/1998
Total Fund Policy Index	0.19	9.15	21.11	21.11	10.79	10.45	7.03	
Difference	-1.08	-1.62	-1.13	-1.13	-0.54	-0.45	-0.45	
Total Equity Composite (Gross)	-1.75	12.80	33.24	33.24	14.11	14.91	7.34	01/01/1998
Total Equity Policy Index	-0.68	14.22	34.91	34.91	13.54	14.75	8.01	
Difference	-1.07	-1.42	-1.67	-1.67	0.57	0.16	-0.67	
Total Domestic Equity								
Ceredex Equity (Gross)	-1.09 (73)	14.77 (79)	32.34 (72)	32.34 (72)	11.02 (52)	12.27 (58)	13.12 (59)	01/01/2012
Russell 1000 Value Index	-0.78 (61)	16.14 (65)	35.01 (60)	35.01 (60)	10.07 (68)	10.94 (79)	12.45 (77)	
Difference	-0.31	-1.37	-2.67	-2.67	0.95	1.33	0.67	
IM U.S. Large Cap Value Equity (SA+CF) Median	-0.52	17.81	37.17	37.17	11.13	12.75	13.31	
Ceredex Equity (Net)	-1.21	14.35	31.69	31.69	10.44	11.67	12.51	01/01/2012
Russell 1000 Value Index	-0.78	16.14	35.01	35.01	10.07	10.94	12.45	
Difference	-0.43	-1.79	-3.32	-3.32	0.37	0.73	0.06	
Rhumbline R1000G (Gross)	1.15 (36)	14.27 (47)	27.29 (49)	27.29 (49)	22.03 (34)	N/A	22.30 (38)	01/01/2018
Russell 1000 Growth Index	1.16 (36)	14.30 (46)	27.32 (49)	27.32 (49)	22.00 (34)	22.84 (32)	22.28 (38)	
Difference	-0.01	-0.03	-0.03	-0.03	0.03	N/A	0.02	
IM U.S. Large Cap Growth Equity (SA+CF) Median	0.62	14.12	27.22	27.22	20.11	20.83	20.45	
Rhumbline R1000G (Net)	1.15	14.25	27.25	27.25	21.97	N/A	22.25	01/01/2018
Russell 1000 Growth Index	1.16	14.30	27.32	27.32	22.00	22.84	22.28	
Difference	-0.01	-0.05	-0.07	-0.07	-0.03	N/A	-0.03	
Polen Capital (Gross)	2.80 (7)	18.58 (9)	30.69 (19)	30.69 (19)	24.85 (13)	N/A	26.58 (8)	01/01/2018
Russell 1000 Growth Index	1.16 (36)	14.30 (46)	27.32 (49)	27.32 (49)	22.00 (34)	22.84 (32)	22.28 (38)	
Difference	1.64	4.28	3.37	3.37	2.85	N/A	4.30	
IM U.S. Large Cap Growth Equity (SA+CF) Median	0.62	14.12	27.22	27.22	20.11	20.83	20.45	
Polen Capital (Net)	2.65	18.04	29.90	29.90	24.11	N/A	25.88	01/01/2018
Russell 1000 Growth Index	1.16	14.30	27.32	27.32	22.00	22.84	22.28	
Difference	1.49	3.74	2.58	2.58	2.11	N/A	3.60	





	QTR	YTD	FYTD	1 YR	3 YR	5 YR	Inception	Inceptio Date
Ark Disruptive Technology ETF (ARKK) (Net)	-15.50 (100)	-11.11 (100)	22.25 (88)	22.25 (88)	N/A	N/A	16.49 (88)	09/01/2020
Russell 3000 Growth Index	0.69 (32)	13.49 (28)	27.57 (59)	27.57 (59)	21.27 (26)	22.30 (25)	19.91 (70)	
Difference	-16.19	-24.60	-5.32	-5.32	N/A	N/A	-3.42	
IM U.S. Growth Equity (MF) Median	-0.08	11.02	28.71	28.71	18.87	19.98	22.90	
Ark Autonomous Technology & Robotics ETF (ARKQ) (Net)	N/A	N/A	N/A	N/A	N/A	N/A	-7.34 (100)	09/01/2021
Russell 1000 Growth Index	1.16 (30)	14.30 (41)	27.32 (38)	27.32 (38)	22.00 (25)	22.84 (25)	-5.60 (53)	
Difference	N/A	N/A	N/A	N/A	N/A	N/A	-1.74	
IM U.S. Large Cap Growth Equity (SA+CF) Median	0.53	13.53	26.33	26.33	19.28	20.16	-5.55	
Defiance 5G Next Gen Connectivity ETF (FIVG) (Net)	N/A	N/A	N/A	N/A	N/A	N/A	-5.76 (62)	09/01/2021
Russell 1000 Growth Index	1.16 (24)	14.30 (33)	27.32 (33)	27.32 (33)	22.00 (25)	22.84 (24)	-5.60 (48)	
Difference	N/A	N/A	N/A	N/A	N/A	N/A	-0.16	
IM U.S. Large Cap Growth Equity (MF) Median	0.46	13.03	26.04	26.04	20.59	21.20	-5.62	
First Trust Cloud Computing ETF (SKYY) (net)	N/A	N/A	N/A	N/A	N/A	N/A	-3.78 (25)	09/01/2021
S&P MidCap 400 Growth	-1.95 (87)	10.09 (41)	33.26 (32)	33.26 (32)	12.03 (95)	13.96 (97)	-4.26 (42)	
Difference	N/A	N/A	N/A	N/A	N/A	N/A	0.48	
IM U.S. Mid Cap Growth Equity (MF) Median	0.14	8.91	30.76	30.76	18.73	19.27	-4.42	
Mutual of America Equity (Gross)	-1.75 (78)	15.46 (42)	43.37 (24)	43.37 (24)	11.06 (66)	12.92 (56)	11.08 (40)	04/01/2008
S&P MidCap 400 Index	-1.76 (79)	15.52 (42)	43.68 (22)	43.68 (22)	11.08 (65)	12.97 (56)	11.18 (40)	
Difference	0.01	-0.06	-0.31	-0.31	-0.02	-0.05	-0.10	
IM U.S. Mid Cap Equity (MF) Median	-0.44	13.94	36.48	36.48	12.69	13.93	10.49	
Mutual of America Equity (Net)	-1.75	15.41	43.26	43.26	11.00	12.85	11.00	04/01/2008
S&P MidCap 400 Index	-1.76	15.52	43.68	43.68	11.08	12.97	11.18	
Difference	0.01	-0.11	-0.42	-0.42	-0.08	-0.12	-0.18	
Vanguard R2000 (VRTIX) (Net)	-4.35 (88)	12.43 (81)	47.79 (64)	47.79 (64)	10.64 (27)	N/A	9.47 (28)	09/01/2018
Russell 2000 Index	-4.36 (88)	12.41 (82)	47.68 (65)	47.68 (65)	10.54 (28)	13.45 (24)	9.38 (29)	
Difference	0.01	0.02	0.11	0.11	0.10	N/A	0.09	
IM U.S. Small Cap Core Equity (MF) Median	-2.28	17.33	49.87	49.87	9.14	11.82	8.01	
Fotal International Equity								
Vanguard Intl Eq (VTMGX) (Net)	-1.56 (40)	8.20 (34)	26.51 (34)	26.51 (34)	8.18 (56)	9.18 (45)	7.32 (42)	07/01/2013
MSCI EAFE Index	-0.35 (22)	8.79 (30)	26.29 (35)	26.29 (35)	8.13 (57)	9.33 (43)	7.33 (41)	
Difference	-1.21	-0.59	0.22	0.22	0.05	-0.15	-0.01	
IM International Equity (MF) Median	-2.46	6.05	23.15	23.15	8.62	8.91	6.84	
JPM International Equity (Net)	-3.64 (71)	2.61 (78)	17.09 (85)	17.09 (85)	11.54 (34)	9.71 (56)	9.83 (59)	10/01/2015
MSCI EAFE Index	-0.35 (34)	8.79 (47)	26.29 (49)	26.29 (49)	8.13 (65)	9.33 (60)	8.95 (70)	
Difference	-3.29	-6.18	-9.20	-9.20	3.41	0.38	0.88	
IM International Equity (SA+CF) Median	-1.58	8.15	25.57	25.57	9.47	10.16	10.47	

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



	QTR	YTD	FYTD	1 YR	3 YR	5 YR	Inception	Inceptio Date
Total Fixed Income Composite	-0.02	-1.79	-1.38	-1.38	4.18	2.68	5.34	01/01/1998
Total Fixed Income Policy Index	0.04	-1.29	-1.00	-1.00	4.78	2.59	4.28	
Difference	-0.06	-0.50	-0.38	-0.38	-0.60	0.09	1.06	
GHA A+ Fixed Income (Gross)	-0.05 (91)	-2.23 (100)	-1.69 (98)	-1.69 (98)	4.60 (100)	2.93 (94)	5.25 (13)	01/01/2007
Blmbg. U.S. Aggregate: A+	0.05 (69)	-1.70 (92)	-1.60 (97)	-1.60 (97)	4.92 (99)	2.57 (100)	3.89 (99)	
Difference	-0.10	-0.53	-0.09	-0.09	-0.32	0.36	1.36	
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	0.11	-1.09	0.07	0.07	6.10	3.63	4.71	
GHA A+ Fixed Income (Net)	-0.11	-2.41	-1.94	-1.94	4.34	2.68	4.99	01/01/2007
Blmbg. U.S. Aggregate: A+	0.05	-1.70	-1.60	-1.60	4.92	2.57	3.89	
Difference	-0.16	-0.71	-0.34	-0.34	-0.58	0.11	1.10	
GHA EXCL A+ Fixed Income (Gross)	0.03 (69)	-1.42 (100)	-0.94 (98)	-0.94 (98)	3.71 (96)	2.40 (94)	5.07 (17)	01/01/1998
Bloomberg Intermediate US Govt/Credit Idx	0.02 (74)	-0.87 (90)	-0.40 (91)	-0.40 (91)	4.63 (69)	2.60 (86)	4.36 (93)	2 2 1000
Difference	0.01	-0.55	-0.54	-0.54	-0.92	-0.20	0.71	
IM U.S. Intermediate Duration (SA+CF) Median	0.08	-0.46	0.28	0.28	4.87	2.95	4.75	
GHA EXCL A+ Fixed Income (Net)	-0.03	-1.60	-1.18	-1.18	3.46	2.21	5.03	01/01/1998
Bloomberg Intermediate US Govt/Credit Idx	0.02	-0.87	-0.40	-0.40	4.63	2.60	4.36	01/01/1990
Difference	-0.05	-0.73	-0.78	-0.78	-1.17	-0.39	0.67	
Fotal Real Estate (Gross)	5.49 (76)	11.04 (92)	11.89 (91)	11.89 (91)	6.53 (92)	N/A	6.73 (N/A)	06/01/2017
NCREIF Fund Index-Open End Diversified Core (EW)	6.95 (24)	14.19 (56)	15.74 (57)	15.74 (57)	7.72 (60)	7.96 (75)	8.25 (N/A)	00/01/2017
Difference	-1.46	-3.15	-3.85	-3.85	-1.19	N/A	-1.52	
IM U.S. Open End Private Real Estate (SA+CF) Median	6.05	14.40	16.42	16.42	8.31	8.58	N/A	
Barings Real Estate (Gross)	5.72 (64)	11.50 (91)	12.00 (91)	12.00 (91)	6.85 (82)	N/A	7.20 (84)	07/01/2017
NCREIF Fund Index-Open End Diversified Core (EW)	6.95 (24)	14.19 (56)	15.74 (57)	15.74 (57)	7.72 (60)	7.96 (75)	7.98 (68)	0.70.720
Difference	-1.23	-2.69	-3.74	-3.74	-0.87	N/A	-0.78	
IM U.S. Open End Private Real Estate (SA+CF) Median	6.05	14.40	16.42	16.42	8.31	8.58	8.83	
Barings Real Estate (Net)	5.50	10.79	11.05	11.05	5.87	N/A	6.17	07/01/2017
NCREIF Fund Index-Open End Diversified Core (EW)	6.95	14.19	15.74	15.74	7.72	7.96	7.98	
Difference	-1.45	-3.40	-4.69	-4.69	-1.85	N/A	-1.81	
ASB Real Estate (Gross)	5.21 (82)	10.51 (92)	11.76 (92)	11.76 (92)	6.16 (92)	N/A	6.47 (93)	07/01/2017
NCREIF Fund Index-Open End Diversified Core (EW)	6.95 (24)	14.19 (56)	15.74 (57)	15.74 (57)	7.72 (60)	7.96 (75)	7.98 (68)	5175172517
Difference	-1.74	-3.68	-3.98	-3.98	-1.56	N/A	-1.51	
IM U.S. Open End Private Real Estate (SA+CF) Median	6.05	14.40	16.42	16.42	8.31	8.58	8.83	
		0.50	10.10	40.40	4.88	NI/A	5.18	07/01/2017
ASB Real Estate (Net)	4.90	9.52	10.42	10.42	4.00	IN/A	ນ. ເດ	
ASB Real Estate (Net)  NCREIF Fund Index-Open End Diversified Core (EW)	4.90 6.95	9.52 14.19	10.42 15.74	10.42 15.74	7.72	N/A 7.96	7.98	01/01/2011

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



Comparative Performance Fiscal Year to Date									
	FYTD	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	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
<b>Total Fund Composite (Gross)</b>	20.33 (42)	8.17 (57	3.94 (54)	8.38 (42)	11.66 (50)	9.56 (43)	0.60 (20)	9.19 (62)	13.87 (17)
Total Fund Policy Index	21.11 (30)	7.67 (63	) 4.31 (40)	9.00 (31)	10.90 (71)	10.01 (28)	0.59 (20)	9.47 (54)	13.44 (23)
Difference	-0.78	0.50	-0.37	-0.62	0.76	-0.45	0.01	-0.28	0.43
All Public Plans-Total Fund Median	19.79	8.79	4.01	7.96	11.64	9.27	-0.63	9.68	11.75
Total Fund Composite (Net)	19.98	7.83	3.60	8.01	11.28	9.25	0.22	8.71	13.36
Total Fund Policy Index	21.11	7.67	4.31	9.00	10.90	10.01	0.59	9.47	13.44
Difference	-1.13	0.16	-0.71	-0.99	0.38	-0.76	-0.37	-0.76	-0.08
Total Equity Composite (Gross)	33.24	9.67	1.68	13.02	19.33	13.45	-1.15	12.14	23.86
Total Equity Policy Index	34.91	7.61	0.83	14.65	18.53	13.79	-1.26	13.94	24.01
Difference	-1.67	2.06	0.85	-1.63	0.80	-0.34	0.11	-1.80	-0.15
Total Domestic Equity									
Ceredex Equity (Gross)	32.34 (72)	-1.49 (43	) 4.95 (28)	10.74 (63)	17.71 (53)	16.57 (24)	-5.35 (71)	17.16 (66)	26.65 (25)
Russell 1000 Value Index	35.01 (60)	-5.03 (65	4.00 (39)	9.45 (78)	15.12 (76)	16.19 (26)	-4.42 (65)	18.89 (42)	22.30 (59)
Difference	-2.67	3.54	0.95	1.29	2.59	0.38	-0.93	-1.73	4.35
IM U.S. Large Cap Value Equity (SA+CF) Median	37.17	-3.19	2.32	11.83	17.89	13.61	-3.28	18.40	23.65
Ceredex Equity (Net)	31.69 (73)	-2.03 (44	, , ,	10.15 (69)	17.06 (60)	15.91 (28)	-5.89 (79)	16.50 (72)	25.93 (29)
Russell 1000 Value Index	35.01 (60)	-5.03 (65	) 4.00 (39)	9.45 (78)	15.12 (76)	16.19 (26)	-4.42 (65)	18.89 (42)	22.30 (59)
Difference	-3.32	3.00	0.39	0.70	1.94	-0.28	-1.47	-2.39	3.63
IM U.S. Large Cap Value Equity (SA+CF) Median	37.17	-3.19	2.32	11.83	17.89	13.61	-3.28	18.40	23.65
Rhumbline R1000G (Gross)	27.29 (49)	37.64 (29	) 3.71 (52)	N/A	N/A	N/A	N/A	N/A	N/A
Russell 1000 Growth Index	27.32 (49)	37.53 (29	) 3.71 (52)	26.30 (36)	21.94 (39)	13.76 (23)	3.17 (55)	19.15 (40)	19.27 (64)
Difference	-0.03	0.11	0.00	N/A	N/A	N/A	N/A	N/A	N/A
IM U.S. Large Cap Growth Equity (SA+CF) Median	27.22	33.32	3.81	24.46	20.86	11.75	3.61	18.18	20.31
Rhumbline R1000G (Net)	27.25 (50)	37.57 (29	3.66 (53)	N/A	N/A	N/A	N/A	N/A	N/A
Russell 1000 Growth Index	27.32 (49)	37.53 (29	3.71 (52)	26.30 (36)	21.94 (39)	13.76 (23)	3.17 (55)	19.15 (40)	19.27 (64)
Difference	-0.07	0.04	-0.05	N/A	N/A	N/A	N/A	N/A	N/A
IM U.S. Large Cap Growth Equity (SA+CF) Median	27.22	33.32	3.81	24.46	20.86	11.75	3.61	18.18	20.31
Polen Capital (Gross)	30.69 (19)	35.75 (37	9.69 (12)	N/A	N/A	N/A	N/A	N/A	N/A
Russell 1000 Growth Index	27.32 (49)	37.53 (29	3.71 (52)	26.30 (36)	21.94 (39)	13.76 (23)	3.17 (55)	19.15 (40)	19.27 (64)
Difference	3.37	-1.78	5.98	N/A	N/A	N/A	N/A	N/A	N/A
IM U.S. Large Cap Growth Equity (SA+CF) Median	27.22	33.32	3.81	24.46	20.86	11.75	3.61	18.18	20.31



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	FYT	ГD	Oct-2 To Sep-2	0	Oct-2 To Sep-2	)	Oct-2 To Sep-2	)	Oct-2 To Sep-2	)	Oct-2 To Sep-2	0	Oct-2 To Sep-2	0	Oct-2 To Sep-2	0	Oct-2 To Sep-2	0
Polen Capital (Net)	29.90	(25)	34.98	(42)	9.03	(15)	N/A		N/A									
Russell 1000 Growth Index	27.32	(49)	37.53	(29)	3.71	(52)	26.30	(36)	21.94	(39)	13.76	(23)	3.17	(55)	19.15	(40)	19.27	(64)
Difference	2.58		-2.55		5.32		N/A		N/A									
IM U.S. Large Cap Growth Equity (SA+CF) Median	27.22		33.32		3.81		24.46		20.86		11.75		3.61		18.18		20.31	
Ark Disruptive Technology ETF (ARKK) (Net)	22.25	(88)	N/A		N/A													
Russell 3000 Growth Index	27.57	(59)	36.12	(27)	2.70	(35)	25.89	(39)	21.87	(28)	13.64	(18)	3.21	(41)	17.87	(18)	20.30	(70)
Difference	-5.32		N/A		N/A													
IM U.S. Growth Equity (MF) Median	28.71		29.28		0.59		24.21		19.82		10.20		2.41		12.76		24.10	
Ark Autonomous Technology & Robotics ETF (ARKQ) (Net)	N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
Russell 1000 Growth Index	27.32	(38)	37.53	(24)	3.71	(41)	26.30	(32)	21.94	(30)	13.76	(17)	3.17	(47)	19.15	(30)	19.27	(59)
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	26.33		32.69		2.73		23.85		20.30		10.88		2.88		17.14		20.03	
Defiance 5G Next Gen Connectivity ETF (FIVG) (Net)	N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
Russell 1000 Growth Index	27.32	(33)	37.53	(34)	3.71	(33)	26.30	(38)	21.94	(28)	13.76	(18)	3.17	(45)	19.15	(22)	19.27	(52)
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 (MF) Median	26.04		34.55		2.32		25.06		20.13		10.96		2.84		16.89		19.37	
First Trust Cloud Computing ETF (SKYY) (net)	N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
S&P MidCap 400 Growth	33.26	(32)	8.25	(87)	-2.53	(86)	16.55	(88)	17.29	(63)	12.78	(14)	4.92	(24)	10.22	(47)	25.80	(56)
Difference	N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
IM U.S. Mid Cap Growth Equity (MF) Median	30.76		24.97		3.16		21.57		18.40		8.30		2.23		9.71		26.37	
Mutual of America Equity (Gross)	43.37	(24)	-2.00	(64)	-2.50	(75)	14.25	(47)	17.31	(41)	15.25	(15)	1.41	(38)	11.52	(53)	27.64	(43)
S&P MidCap 400 Index	43.68	(22)	-2.16	(65)	-2.49	(75)	14.21	(47)	17.52	(39)	15.33	(15)	1.40	(38)	11.82	(50)	27.68	(42)
Difference	-0.31		0.16		-0.01		0.04		-0.21		-0.08		0.01		-0.30		-0.04	
IM U.S. Mid Cap Equity (MF) Median	36.48		4.48		1.77		13.62		16.47		10.50		-0.20		11.75		27.09	
Mutual of America Equity (Net)	43.26	(31)	-2.07	(70)	-2.53	(84)	14.15	(58)	17.23	(67)	15.17	(31)	1.35	(59)	11.48	(78)	27.55	(78)
S&P MidCap 400 Index	43.68	(29)	-2.16	(70)	-2.49	(84)	14.21	(58)	17.52	(64)	15.33	(30)	1.40	(59)	11.82	(76)	27.68	(76)
Difference	-0.42		0.09		-0.04		-0.06		-0.29		-0.16		-0.05		-0.34		-0.13	
IM U.S. Mid Cap Equity (MF) Median	37.90		6.61		3.88		15.64		18.92		12.96		2.06		14.37		30.01	
Vanguard R2000 (VRTIX) (Net)	47.79	(64)	0.51	(18)	-8.83	(59)	N/A		N/A									
Russell 2000 Index	47.68	(65)	0.39	(19)	-8.89	(60)	15.24	(25)	20.74	(28)	15.47	(36)	1.25	(48)	3.93	(73)	30.06	(43)
Difference	0.11		0.12		0.06		N/A		N/A									
IM U.S. Small Cap Core Equity (MF) Median	49.87		-7.64		-8.14		11.83		19.11								29.29	



	FYTD	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	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
Total International Equity									
Vanguard Intl Eq (VTMGX) (Net)	26.51 (34)	2.18 (65)	-2.08 (52)	2.78 (24)	19.25 (52)	8.03 (59)	-7.90 (45)	4.01 (54)	N/A
MSCI EAFE Index	26.29 (35)	0.93 (69)	-0.82 (41)	3.25 (21)	19.65 (48)	7.06 (65)	-8.27 (47)	4.70 (44)	24.29 (19)
Difference	0.22	1.25	-1.26	-0.47	-0.40	0.97	0.37	-0.69	N/A
IM International Equity (MF) Median	23.15	6.64	-1.93	0.08	19.37	9.32	-8.75	4.26	17.81
JPM International Equity (Net)	17.09 (85)	11.25 (38)	6.53 (9)	-3.43 (85)	18.60 (70)	10.45 (56)	N/A	N/A	N/A
MSCI EAFE Index	26.29 (49)	0.93 (70)	-0.82 (44)	3.25 (34)	19.65 (61)	7.06 (77)	-8.27 (50)	4.70 (64)	24.29 (33)
Difference	-9.20	10.32	7.35	-6.68	-1.05	3.39	N/A	N/A	N/A
IM International Equity (SA+CF) Median	25.57	7.27	-1.48	1.43	21.10	11.62	-8.36	5.90	20.14

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	FYTD	Oct-2 To Sep-2	0	Oct-2 To Sep-2	)	Oct-2 To Sep-2		Oct-2 To Sep-2	)	Oct-2 To Sep-2	)	Oct-2 To Sep-2	ס	Oct-2 To Sep-2	)	Oct-2 To Sep-2	)
Total Fixed Income Composite	-1.38	6.42		7.74		0.58		0.36		4.79		3.51		5.32		0.01	
Total Fixed Income Policy Index	-1.00	6.63		8.97		-1.12		-0.09		4.01		3.06		2.79		-1.09	
Difference	-0.38	-0.21		-1.23		1.70		0.45		0.78		0.45		2.53		1.10	
GHA A+ Fixed Income (Gross)	-1.69 (98)	7.35	(56)	8.45	(97)	0.74	(4)	0.23	(71)	5.53	(61)	3.53	(11)	5.87	(11)	-0.17	(14)
Blmbg. U.S. Aggregate: A+	-1.60 (97)	6.92	(79)	9.78	(89)	-1.28	(95)	-0.42	(99)	4.50	(96)	3.44	(16)	3.39	(96)	-1.68	(77)
Difference	-0.09	0.43		-1.33		2.02		0.65		1.03		0.09		2.48		1.51	
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	0.07	7.52		10.43		-0.74		0.63		5.67		3.02		4.49		-1.25	
GHA A+ Fixed Income (Net)	-1.94 (99)	7.08	(70)	8.18	(97)	0.48	(7)	-0.02	(91)	5.27	(72)	3.27	(27)	5.62	(13)	-0.43	(18)
Blmbg. U.S. Aggregate: A+	-1.60 (97)	6.92	(79)	9.78	(89)	-1.28	(95)	-0.42	(99)	4.50	(96)	3.44	(16)	3.39	(96)	-1.68	(77)
Difference	-0.34	0.16		-1.60		1.76		0.40		0.77		-0.17		2.23		1.25	
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	0.07	7.52		10.43		-0.74		0.63		5.67		3.02		4.49		-1.25	
GHA EXCL A+ Fixed Income (Gross)	-0.94 (98)	5.24	(88)	6.99	(84)	0.42	(13)	0.52	(66)	4.03	(41)	3.45	(7)	4.56	(11)	0.18	(26)
Bloomberg Intermediate US Govt/Credit Idx	-0.40 (91)	6.32	(60)	8.17	(40)	-0.96	(95)	0.23	(87)	3.52	(76)	2.68	(52)	2.20	(84)	-0.50	(66)
Difference	-0.54	-1.08		-1.18		1.38		0.29		0.51		0.77		2.36		0.68	
IM U.S. Intermediate Duration (SA+CF) Median	0.28	6.46		8.02		-0.39		0.69		3.90		2.70		2.87		-0.27	
GHA EXCL A+ Fixed Income (Net)	-1.18 (100	4.99	(90)	6.74	(86)	0.22	(19)	0.52	(66)	4.03	(41)	3.45	(7)	4.56	(11)	0.18	(26)
Bloomberg Intermediate US Govt/Credit Idx	-0.40 (91)	6.32	(60)	8.17	(40)	-0.96	(95)	0.23	(87)	3.52	(76)	2.68	(52)	2.20	(84)	-0.50	(66)
Difference	-0.78	-1.33		-1.43		1.18		0.29		0.51		0.77		2.36		0.68	
IM U.S. Intermediate Duration (SA+CF) Median	0.28	6.46		8.02		-0.39		0.69		3.90		2.70		2.87		-0.27	
Total Real Estate (Gross)	11.89 (91)	2.12	(45)	5.81	(72)	7.85	(74)	N/A		N/A		N/A		N/A		N/A	
NCREIF Fund Index-Open End Diversified Core (EW)	15.74 (57)	1.74	(53)	6.17	(70)	8.82	(57)	7.81	(54)	10.62	(66)	14.71	(60)	12.39	(65)	12.47	(67)
Difference	-3.85	0.38		-0.36		-0.97		N/A		N/A		N/A		N/A		N/A	
IM U.S. Open End Private Real Estate (SA+CF) Median	16.42	1.76		6.80		9.01		7.96		11.14		15.39		12.66		13.22	
Barings Real Estate (Gross)	12.00 (91)	1.73	(55)	7.06	(43)	7.51	(86)	N/A		N/A		N/A		N/A		N/A	
NCREIF Fund Index-Open End Diversified Core (EW)	15.74 (57)	1.74	(53)	6.17	(70)	8.82	(57)	7.81	(54)	10.62	(66)	14.71	(60)	12.39	(65)	12.47	(67)
Difference	-3.74	-0.01		0.89		-1.31		N/A		N/A		N/A		N/A		N/A	
IM U.S. Open End Private Real Estate (SA+CF) Median	16.42	1.76		6.80		9.01		7.96		11.14		15.39		12.66		13.22	
Barings Real Estate (Net)	11.05	0.77		6.04		6.36		N/A		N/A		N/A		N/A		N/A	
NCREIF Fund Index-Open End Diversified Core (EW)	15.74	1.74		6.17		8.82		7.81		10.62		14.71		12.39		12.47	
Difference	-4.69	-0.97		-0.13		-2.46		N/A		N/A		N/A		N/A		N/A	
ASB Real Estate (Gross)	11.76 (92)	2.59	(29)	4.35	(83)	8.26	(66)	N/A		N/A		N/A		N/A		N/A	
NCREIF Fund Index-Open End Diversified Core (EW)	15.74 (57)	1.74	(53)	6.17	(70)	8.82	(57)	7.81	(54)	10.62	(66)	14.71	(60)	12.39	(65)	12.47	(67)
Difference	-3.98	0.85		-1.82		-0.56		N/A		N/A		N/A		N/A		N/A	
IM U.S. Open End Private Real Estate (SA+CF) Median	16.42	1.76		6.80		9.01		7.96		11.14		15.39		12.66		13.22	

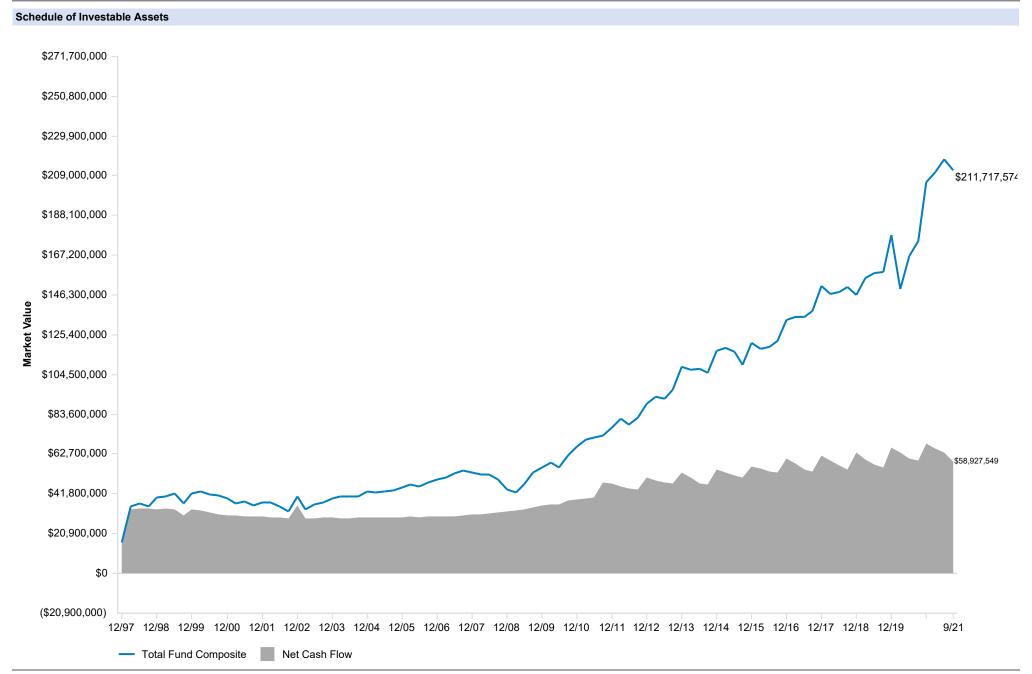


	FYTD	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013
ASB Real Estate (Net)	10.42	1.35	3.08	6.92	N/A	N/A	N/A	N/A	N/A
NCREIF Fund Index-Open End Diversified Core (EW)	15.74	1.74	6.17	8.82	7.81	10.62	14.71	12.39	12.47
Difference	-5.32	-0.39	-3.09	-1.90	N/A	N/A	N/A	N/A	N/A



Financial Reconciliation Quarter to Date					
	Market Value 07/01/2021	Apprec./ Deprec.	Income	Management Fees	Market Value 09/30/2021
Ceredex Equity	36,802,417	-539,684	161,823	-46,366	35,372,807
Rhumbline R1000G	14,417,964	165,874	-	-	14,583,838
Defiance 5G Next Gen Connectivity ETF (FIVG)	-	-52,921	2,257	-	943,594
Polen Capital	14,554,427	394,100	13,786	-21,772	14,938,414
Ark Disruptive Technology ETF (ARKK)	5,846,912	-990,981	-	-	5,827,915
Ark Autonomous Technology & Robotics ETF (ARKQ)	-	-35,529	-	-	954,239
First Trust Cloud Computing ETF (SKYY)	-	-9,293	378	-	977,530
Nutual of America Equity	23,009,217	-539,877	138,303	-	22,604,279
Great Lakes SMID Cap	10,738,723	-264,737	15,112	-	-
anguard R2000 (VRTIX)	10,958,987	-512,099	53,858	-	21,284,977
anguard Developed Mar (VTMGX)	10,154,165	-197,762	39,007	-	9,995,411
PM International Equity	9,866,356	-359,488	-	-	9,506,868
SHA A+ Fixed Income	32,853,597	-234,167	211,481	-20,521	33,644,423
SHA EXCL A+ Fixed Income	20,745,978	-120,652	127,836	-12,955	20,737,162
Barings Real Estate	7,333,957	343,717	75,990	-16,089	7,737,575
SB Real Estate	6,224,857	324,525	-	-19,498	6,529,884
&D Cash	14,270,241	-	306	-16,464	6,078,659
otal Fund Composite	217,777,801	-2,628,974	840,137	-153,665	211,717,574







Schedule of Invest	Beginning			Net		Ending	
Periods Ending	Market Value \$	Contributions \$	Withdrawals \$	Cash Flow \$	Gain/Loss \$	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



Since Inception Ending September 30, 2021

Periods Ending	Beginning Market Value \$	Contributions \$	Withdrawals \$	Net Cash Flow \$	Gain/Loss \$	Ending Market Value \$	%Return
Dec-2007	54,073,786	190,416	-	<b>y</b> 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
Лar-2009	43,836,243	645,560	-	645,560	-2,154,563	42,327,240	-4.63
un-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
/lar-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
/ar-2012	76,314,605	_	1,466,628	-1,466,628	6,525,345	81,373,322	8.63
un-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
/lar-2013	89,182,788	-	1,674,077	-1,674,077	5,563,247	93,071,958	6.29
lun-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
/lar-2015	116,966,050	-	1,512,343	-1,512,343	2,856,300	118,310,007	2.46
lun-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
/lar-2016	121,025,502	7,589,316	8,599,372	-1,010,056	-1,803,617	118,211,829	1.44
un-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

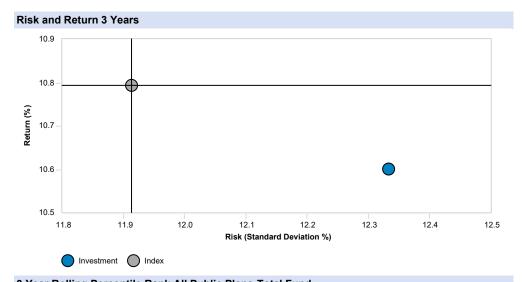
Since Inception Ending September 30, 2021

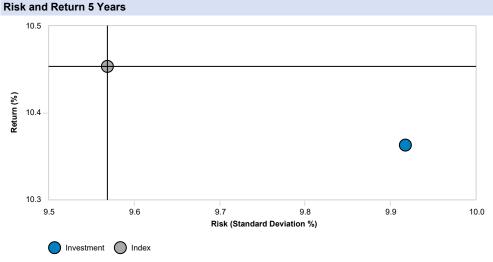
Periods Ending	Beginning Market Value \$	Contributions \$	Withdrawals \$	Net Cash Flow \$	Gain/Loss \$	Ending Market Value \$	%Return
Mar-2018	151,068,658	36,560,097	39,599,539	-3,039,442	-1,310,015	146,719,201	-0.90
Jun-2018	146,719,201	2,531,546	4,858,682	-2,327,136	3,494,498	147,886,563	2.40
Sep-2018	147,886,563	21,023,715	23,353,030	-2,329,315	5,161,780	150,719,028	3.51
Dec-2018	150,719,028	21,868,800	12,579,706	9,289,095	-13,690,229	146,317,894	-8.54
Mar-2019	146,317,894	3,053,173	6,698,694	-3,645,521	12,799,990	155,472,363	8.81
Jun-2019	155,472,363	8,994,188	11,622,765	-2,628,576	4,830,123	157,673,909	3.15
Sep-2019	157,673,909	2,824,811	4,364,556	-1,539,745	1,977,441	158,111,606	1.26
Dec-2019	158,111,606	23,694,123	13,560,039	10,134,085	9,408,326	177,654,016	5.59
Mar-2020	177,654,016	1,829,074	4,196,065	-2,366,991	-25,735,318	149,551,707	-14.62
Jun-2020	149,551,707	3,874,820	7,270,528	-3,395,708	20,766,832	166,922,831	13.95
Sep-2020	166,922,831	13,422,990	14,502,057	-1,079,067	8,806,775	174,650,539	5.29
Dec-2020	174,650,539	22,323,848	13,115,255	9,208,593	21,482,659	205,341,792	11.66
Mar-2021	205,341,792	24,471,180	27,363,519	-2,892,338	8,123,252	210,572,706	3.99
Jun-2021	210,572,706	2,690,535	4,917,426	-2,226,891	9,431,986	217,777,801	4.49
Sep-2021	217,777,801	28,272,674	32,544,064	-4,271,390	-1,788,837	211,717,574	-0.82
	15,998,300	392,284,258	349,355,009	42,929,249	152,790,025	211,717,574	6.93

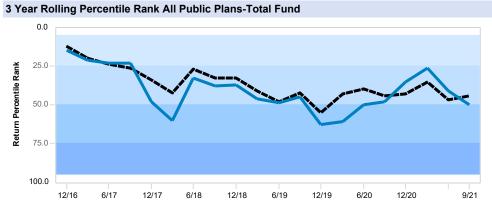


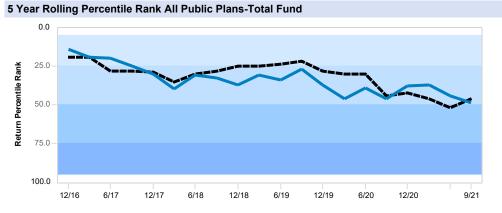
<b>Historical Stati</b>	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	10.60	12.33	0.78	101.49	9	104.06	3
Index	10.79	11.91	0.82	100.00	10	100.00	2

<b>Historical Stati</b>	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	10.36	9.92	0.92	101.52	16	104.22	4
Index	10.45	9.57	0.96	100.00	17	100.00	3









	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	20	4 (20%)	13 (65%)	3 (15%)	0 (0%)	
Index	20	3 (15%)	16 (80%)	1 (5%)	0 (0%)	

	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	20	4 (20%)	16 (80%)	0 (0%)	0 (0%)	
Index	20	6 (30%)	13 (65%)	1 (5%)	0 (0%)	





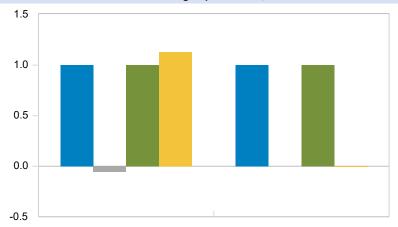


#### Risk / Reward Historical Statistics 3 Years Ending September 30, 2021



	Total Fund Composite	Total Fund Policy Index
Alpha	-0.62	0.00
Beta	1.05	1.00
Sharpe Ratio	0.66	0.69
Trevnor Ratio	0.10	0.10

#### Index Relative Historical Statistics 3 Years Ending September 30, 2021



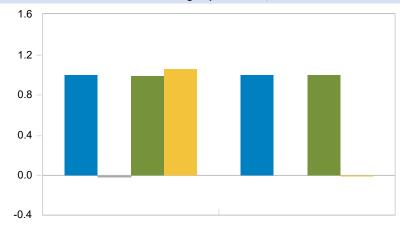
	Total Fund Composite	Total Fund Policy Index
Actual Correlation	1.00	1.00
Information Ratio	-0.06	N/A
R-Squared	1.00	1.00
Tracking Error	1.12	0.00

#### Risk / Reward Historical Statistics 5 Years Ending September 30, 2021



	<b>Total Fund Composite</b>	<b>Total Fund Policy Index</b>
Alpha	-0.50	0.00
■ Beta	1.04	1.00
Sharpe Ratio	0.78	0.82
Treynor Ratio	0.09	0.10

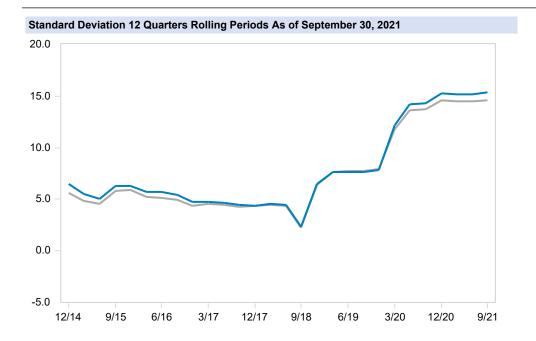
#### Index Relative Historical Statistics 5 Years Ending September 30, 2021



	Total Fund Composite	Total Fund Policy Index
Actual Correlation	1.00	1.00
Information Ratio	-0.02	N/A
R-Squared	0.99	1.00
Tracking Error	1.06	0.00

Benchmark: Total Fund Policy Index









9 (32%)

0 (0%)

12 (43%)

13 (46%)

6 (21%)

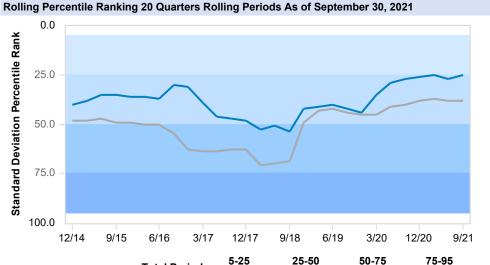
12 (43%)

1 (4%)

3 (11%)

28

28



**Total Period** Count Count Count Count Total Fund Composite 28 2 (7%) 23 (82%) 3 (11%) 0 (0%) Total Fund Policy Index 28 0 (0%) 19 (68%) 9 (32%) 0 (0%)

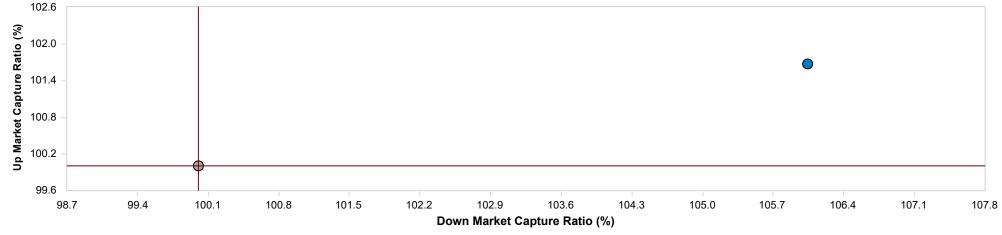
Peer: All Public Plans-Total Fund

Total Fund Composite

Total Fund Policy Index



Up/Down Markets				Quarters Ben	chmark Up(17)			Quarters Bend	chmark Down(3)	
	Full Period Return		Portfolio Ahead		Portfolio Behind		Portfolio Ahead		Portfolio Behind	
	Portfolio	Benchmark	No. Quarters	Avg Ahead	No. Quarters	Avg Behind	No. Quarters	Avg Ahead	No. Quarters	Avg Behind
Total Fund Composite	10.36	10.45	10	0.44	7	-0.44	0	0.00	3	-0.46
Total Fund Policy Index	10.45	10.45	17	0.00	0	0.00	3	0.00	0	0.00
Up/Down Markets										
102.6										





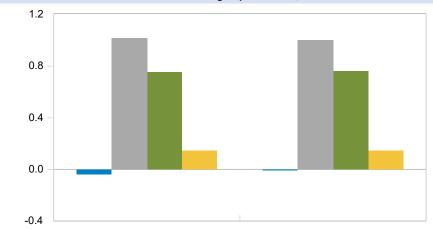


Calculation based on quarterly periodicity.



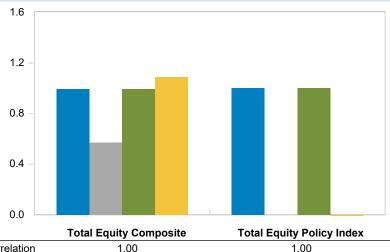
#### Risk / Reward Historical Statistics 3 Years Ending September 30, 2021 1.6 1.2 8.0 0.4 0.0 **Total Equity Composite Total Equity Policy Index** Alpha 0.00 0.36 Beta 1.02 1.00 Sharpe Ratio 0.61 0.60 Treynor Ratio 0.15 0.15

#### Risk / Reward Historical Statistics 5 Years Ending September 30, 2021

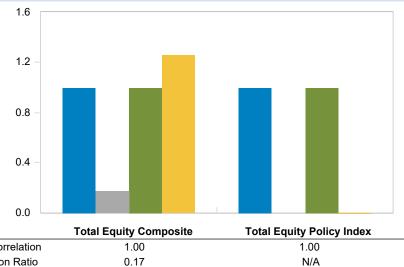


	<b>Total Equity Composite</b>	<b>Total Equity Policy Index</b>
Alpha	-0.04	0.00
■ Beta	1.02	1.00
Sharpe Ratio	0.76	0.76
Treynor Ratio	0.15	0.15

#### Index Relative Historical Statistics 3 Years Ending September 30, 2021



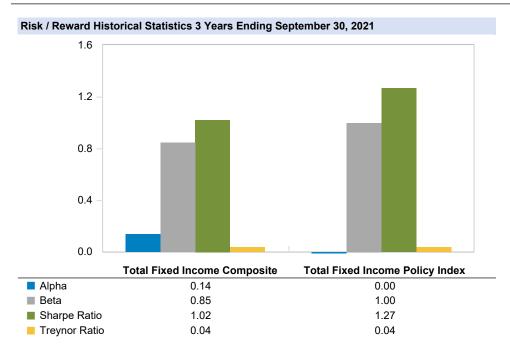
#### Index Relative Historical Statistics 5 Years Ending September 30, 2021



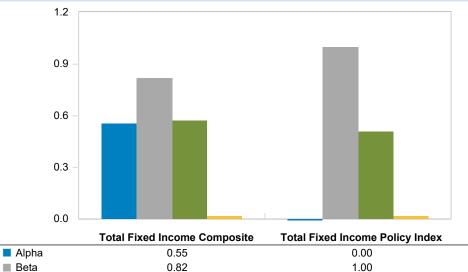
Actual Correlation Actual Correlation ■ Information Ratio ■ Information Ratio 0.57 N/A 1.00 1.00 R-Squared R-Squared 1.00 1.00 Tracking Error 0.00 1.26 Tracking Error 1.09 0.00

Benchmark: Total Equity Policy Index





#### Risk / Reward Historical Statistics 5 Years Ending September 30, 2021



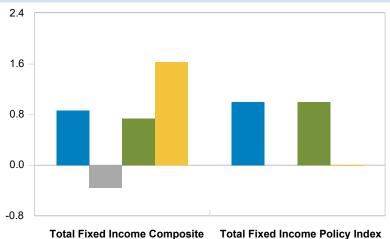
#### Index Relative Historical Statistics 3 Years Ending September 30, 2021

0.86

-0.36

0.74

1.63



1.00

N/A

1.00

0.00

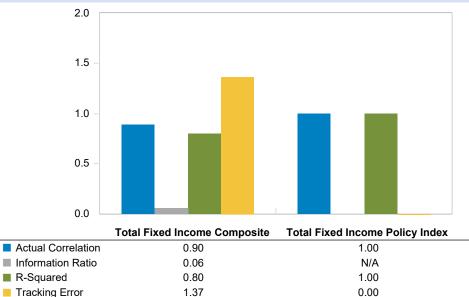
#### Index Relative Historical Statistics 5 Years Ending September 30, 2021

0.57

0.02

Sharpe Ratio

Treynor Ratio



0.51

0.01

Benchmark: Total Fixed Income Policy Index

Actual Correlation

■ Information Ratio

■ R-Squared

Tracking Error

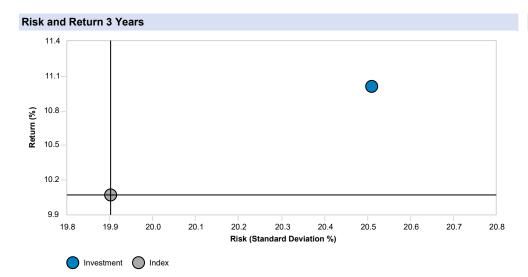


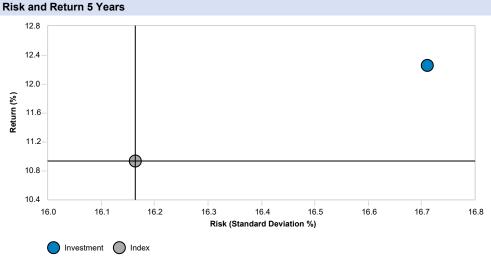
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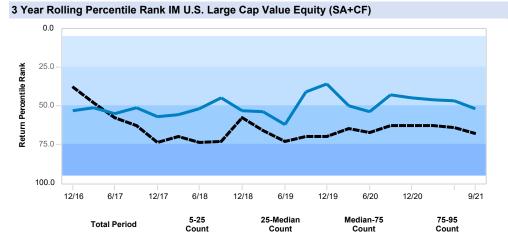


Historical Statistics 3 Years										
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters			
Investment	11.02	20.51	0.56	101.99	9	98.21	3			
Index	10.07	19 90	0.52	100.00	9	100.00	3			

Historical Statistics 5 Years									
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		
Investment	12.27	16.71	0.71	103.52	16	97.36	4		
Index	10.94	16.16	0.65	100.00	16	100.00	4		







8 (40%)

2 (10%)

0 (0%)

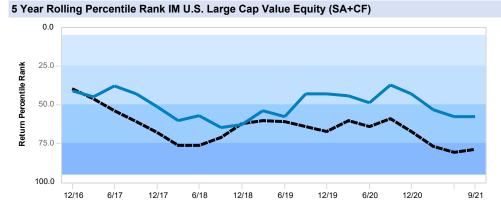
0 (0%)

12 (60%)

18 (90%)

0 (0%)

0 (0%)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	0 (0%)	10 (50%)	10 (50%)	0 (0%)
Index	20	0 (0%)	2 (10%)	13 (65%)	5 (25%)

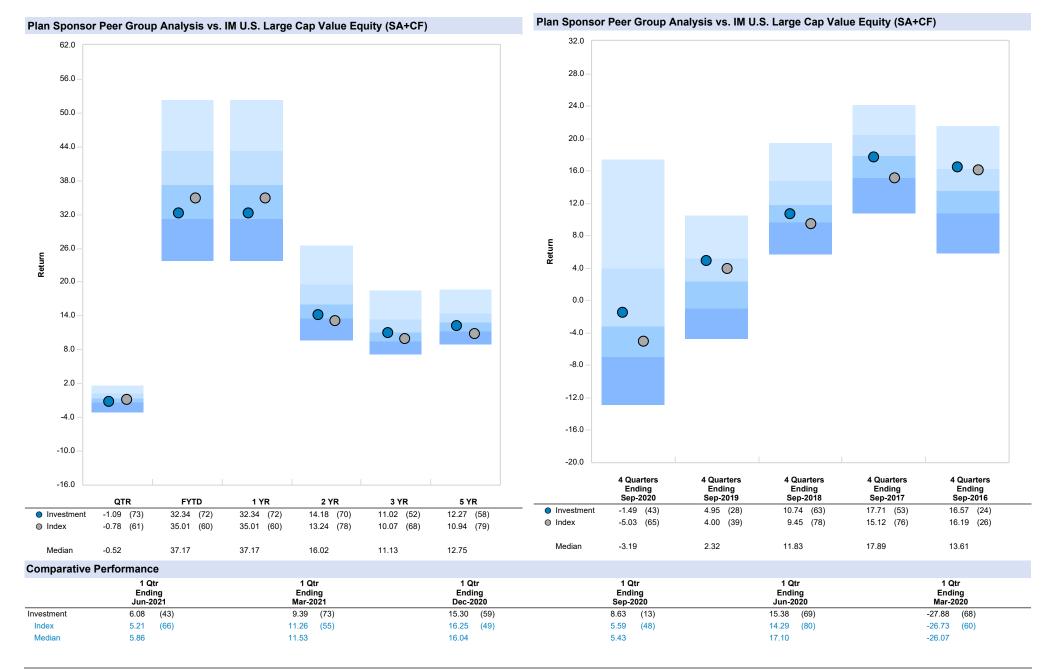


Investment

\_\_ Index

20

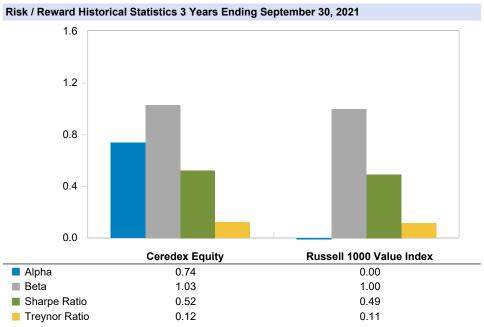
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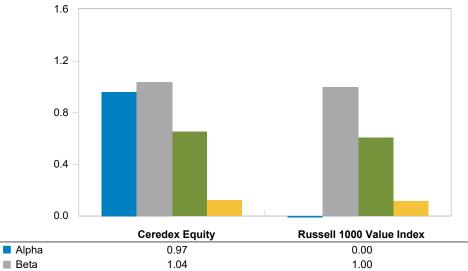


0.61

0.11



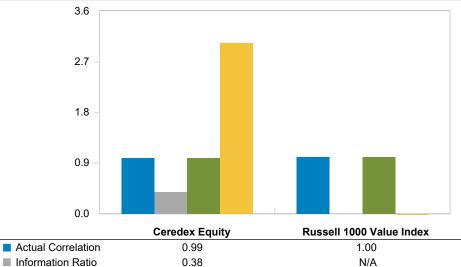
# Risk / Reward Historical Statistics 5 Years Ending September 30, 2021



Index Relative Historical Statistics 3 Years Endi	ng September 30, 2021

0.99

3.04



1.00

0.00

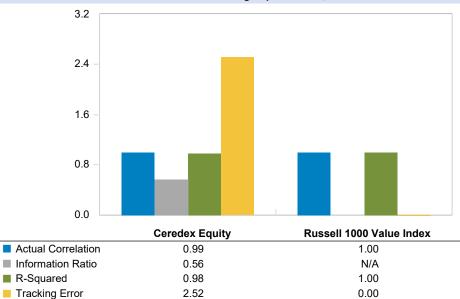
#### Index Relative Historical Statistics 5 Years Ending September 30, 2021

0.65

0.12

■ Sharpe Ratio

Treynor Ratio



Benchmark: Russell 1000 Value Index

R-Squared

Tracking Error

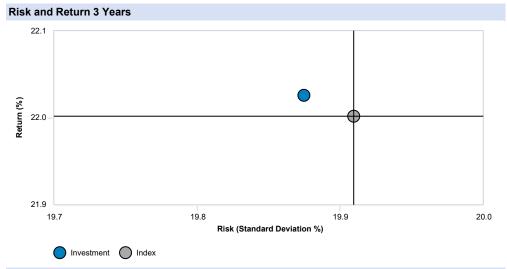


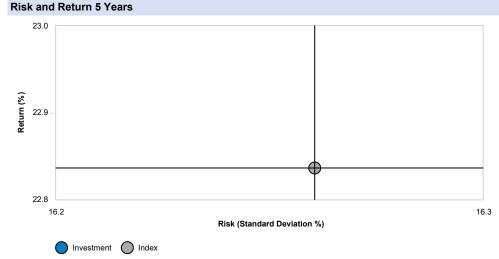
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Historical Statistics 3 Years									
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		
Investment	22.03	19.87	1.04	99.94	10	99.79	2		
Index	22.00	19.91	1.04	100.00	10	100.00	2		

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	22.84	16.26	1.28	100.00	18	100.00	2		





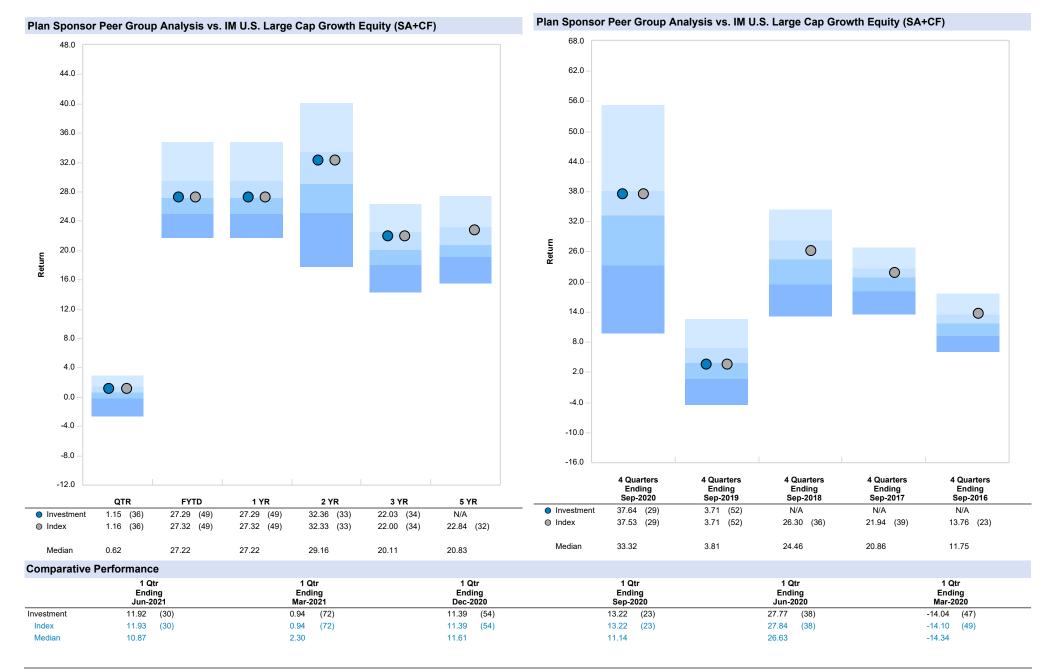




	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	4	0 (0%)	4 (100%)	0 (0%)	0 (0%)	
Index	20	1 (5%)	19 (95%)	0 (0%)	0 (0%)	

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

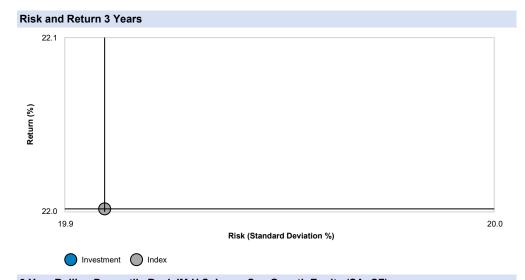


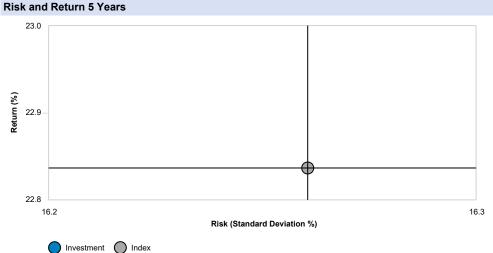




Historical Statistics 3 Years										
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters			
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Index	22.00	19.91	1.04	100.00	10	100.00	2			

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	22.84	16.26	1.28	100.00	18	100.00	2			







Count

19 (95%)

Count

0 (0%)

Count

0 (0%)

Count



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



Investment

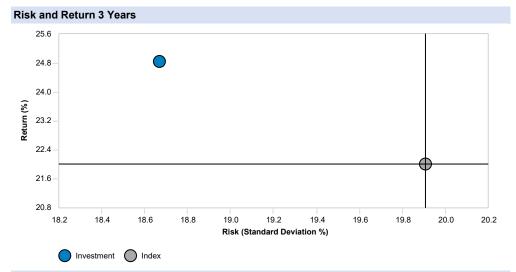
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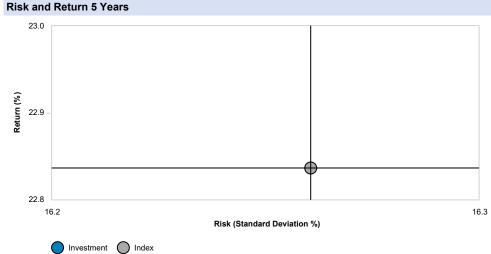




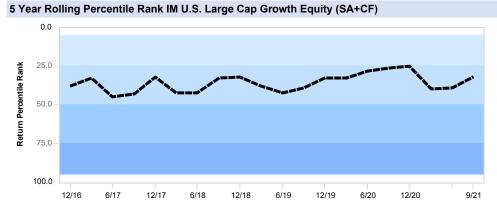
Historical Statistics 3 Years										
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters			
Investment	24.85	18.67	1.22	97.30	10	83.10	2			
Index	22.00	19.91	1.04	100.00	10	100.00	2			

<b>Historical Stati</b>	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	22.84	16.26	1.28	100.00	18	100.00	2					





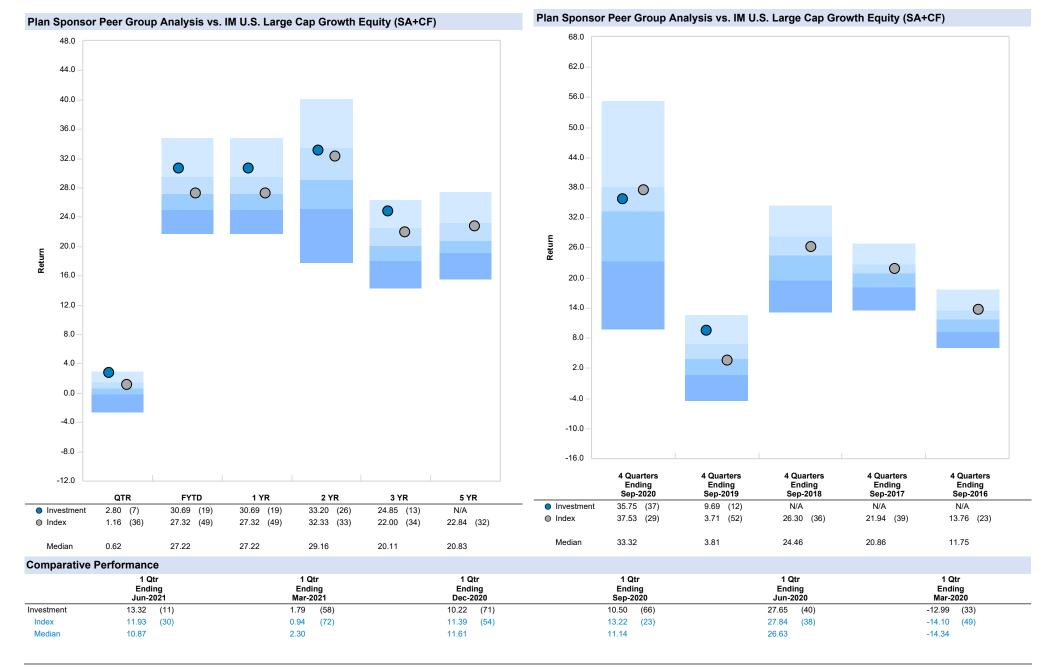




	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	4	4 (100%)	0 (0%)	0 (0%)	0 (0%)	
Index	20	1 (5%)	19 (95%)	0 (0%)	0 (0%)	

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

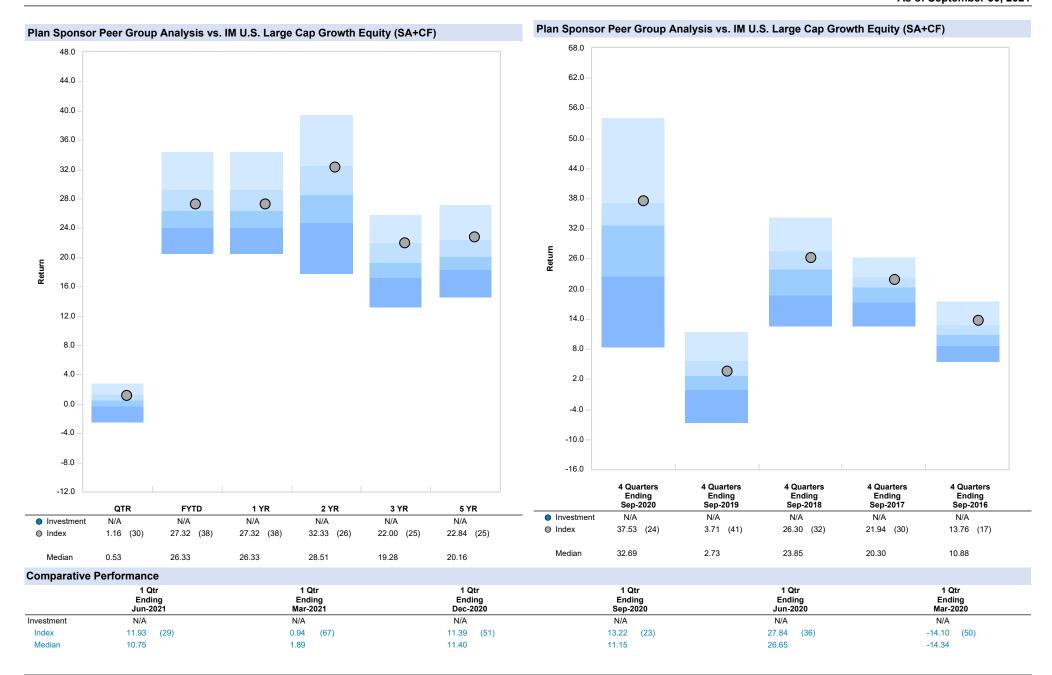














Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A

100.00

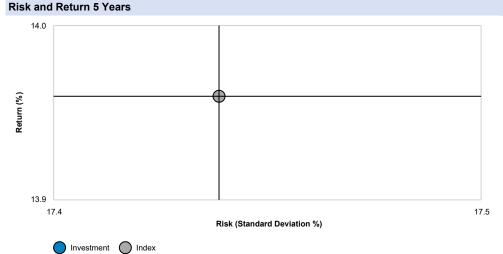
8

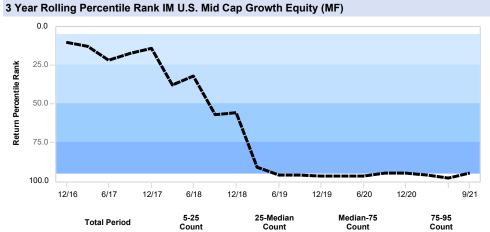
100.00

0.58

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	13.96	17.44	0.77	100.00	16	100.00	4				





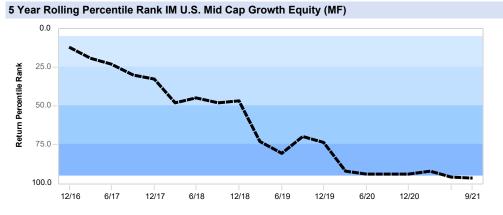


2 (10%)

2 (10%)

11 (55%)

5 (25%)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	0	0	0	0	0
Index	20	3 (15%)	6 (30%)	3 (15%)	8 (40%)



Investment

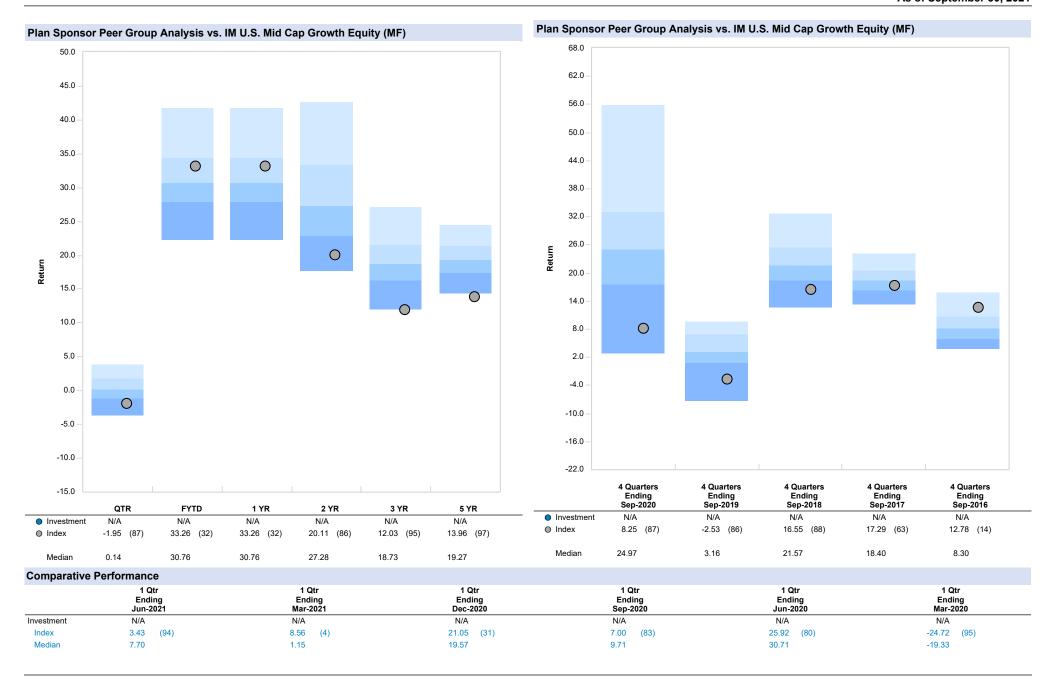
\_\_ Index

0 20

Index

12.03

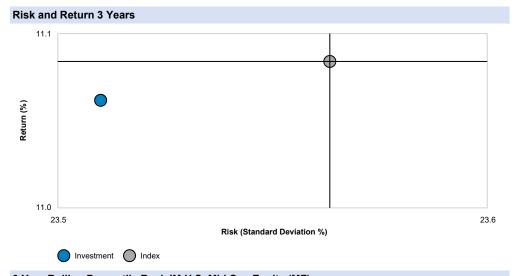
21.49

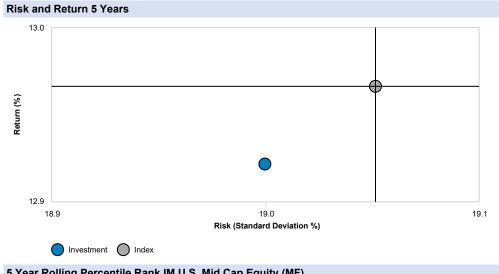


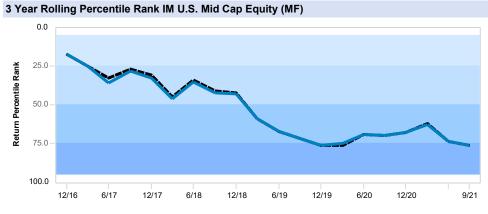


Historical Statistics 3 Years										
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters			
Investment	11.06	23.51	0.52	99.77	8	99.78	4			
Index	11.08	23.56	0.52	100.00	8	100.00	4			

Historical Statistics 5 Years										
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters			
Investment	12.92	19.00	0.68	99.67	15	99.69	5			
Index	12.97	19.05	0.68	100.00	15	100.00	5			







5 16	ear Ro	ning Pe	ercentile	Rank IIVI	U.S. IVII	u Cap Eq	uity (IVIF	)				
	0.0											_
Return Percentile Rank	25.0 -											
	50.0 -	***	·	****								
Return Pe	75.0 –							\	<u> </u>		_	
	100.0	12/16	6/17	12/17	6/18	12/18	6/19	12/19	6/20	12/20	9/:	21

	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	20	2 (10%)	7 (35%)	9 (45%)	2 (10%)	
Index	20	2 (10%)	7 (35%)	8 (40%)	3 (15%)	

	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	20	0 (0%)	6 (30%)	14 (70%)	0 (0%)	
Index	20	0 (0%)	8 (40%)	12 (60%)	0 (0%)	

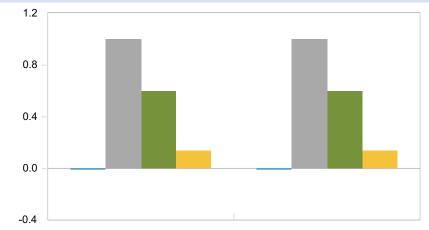






# | Alpha | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

### Risk / Reward Historical Statistics 5 Years Ending September 30, 2021

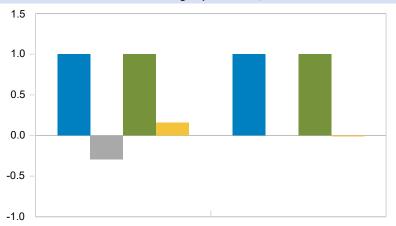


	Mutual of America Equity	S&P MidCap 400 Index
Alpha	-0.01	0.00
Beta	1.00	1.00
Sharpe Ratio	0.60	0.60
Treynor Ratio	0.14	0.14

### Index Relative Historical Statistics 3 Years Ending September 30, 2021

0.47

0.14

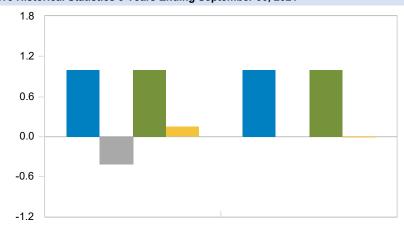


0.47

0.14

	<b>Mutual of America Equity</b>	S&P MidCap 400 Index
Actual Correlation	1.00	1.00
Information Ratio	-0.29	N/A
R-Squared	1.00	1.00
Tracking Error	0.16	0.00

### Index Relative Historical Statistics 5 Years Ending September 30, 2021



	Mutual of America Equity	S&P MidCap 400 Index
Actual Correlation	1.00	1.00
Information Ratio	-0.41	N/A
R-Squared	1.00	1.00
Tracking Error	0.14	0.00

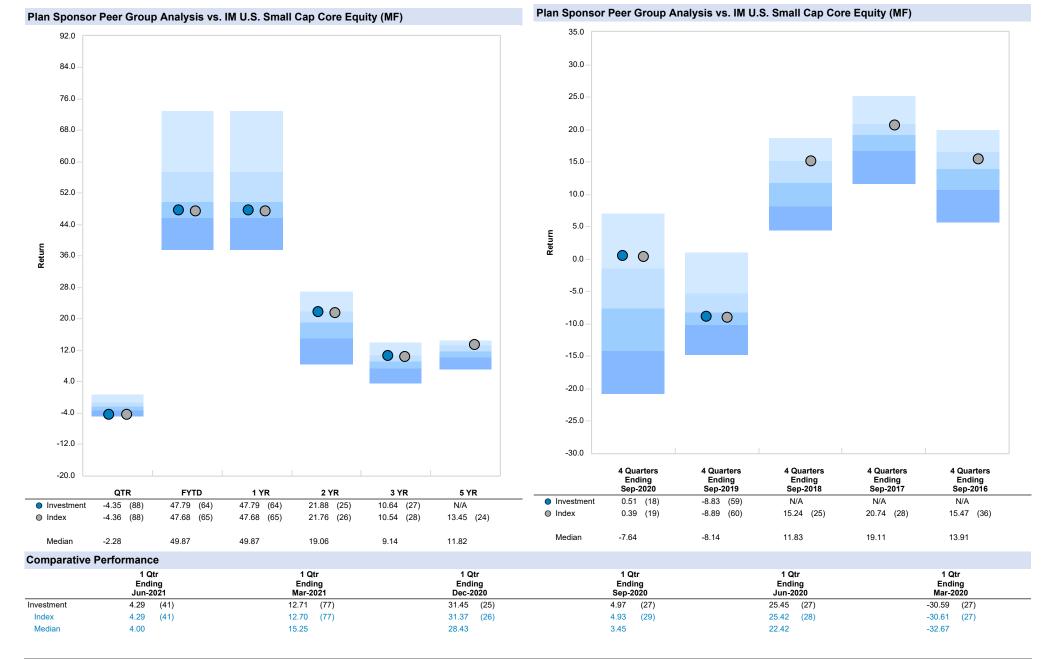
Benchmark: S&P MidCap 400 Index

■ Sharpe Ratio

Treynor Ratio







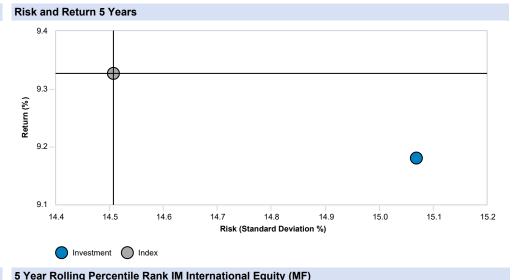


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	vı	261	JLEII	IDEI	JU,	2021

Historical Statistics 3 Years									
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		
Investment	8.18	18.35	0.46	103.88	8	104.69	4		
Index	8.13	17.52	0.47	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	9.18	15.07	0.58	100.67	13	101.42	7			
Index	9.33	14.51	0.61	100.00	13	100.00	7			

# 8.2 8.2 8.1 17.2 17.4 17.6 17.8 18.0 18.2 18.4 18.6 18.8 Risk (Standard Deviation %)



### 3 Year Rolling Percentile Rank IM International Equity (MF) 0.0 25.0 Return Percentile Rank 75.0 100.0 9/21 12/16 6/17 12/17 6/18 12/18 6/19 12/19 6/20 12/20

5 1	cai ixc	illing i	Cicciille	IXAIIK IIVI	interna	lionai Eq	uity (ivii	,			
	0.0										
le Rank	25.0 -										
Return Perœntile Rank	50.0-										
Ret	75.0 -										
	100.0	12/16	6/17	12/17	6/18	12/18	6/19	12/19	6/20	12/20	9/21

	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	20	0 (0%)	12 (60%)	8 (40%)	0 (0%)	
Index	20	1 (5%)	12 (60%)	7 (35%)	0 (0%)	

	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	14	0 (0%)	10 (71%)	4 (29%)	0 (0%)	
Index	20	1 (5%)	15 (75%)	4 (20%)	0 (0%)	







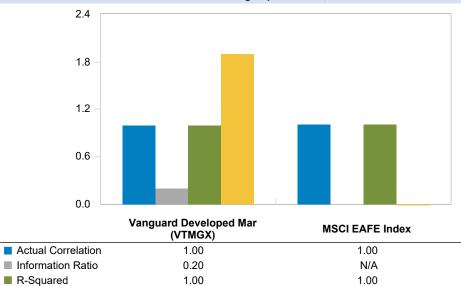
# Risk / Reward Historical Statistics 3 Years Ending September 30, 2021



	Vanguard Developed Mar (VTMGX)	MSCI EAFE Index
■ Alpha	-0.31	0.00
Beta	1.07	1.00
Sharpe Ratio	0.41	0.43
Treynor Ratio	0.09	0.09

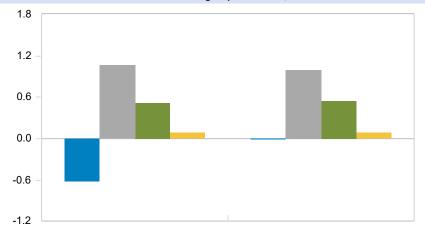
### Index Relative Historical Statistics 3 Years Ending September 30, 2021

1.90



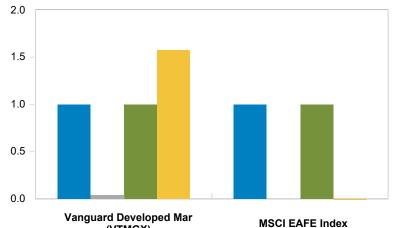
0.00

### Risk / Reward Historical Statistics 5 Years Ending September 30, 2021



	Vanguard Developed Mar (VTMGX)	MSCI EAFE Index
Alpha	-0.63	0.00
■ Beta	1.07	1.00
Sharpe Ratio	0.52	0.55
Treynor Ratio	0.09	0.09

### Index Relative Historical Statistics 5 Years Ending September 30, 2021



	(VTMGX)	MSCI EAFE ING
Actual Correlation	1.00	1.00
Information Ratio	0.05	N/A
R-Squared	1.00	1.00
Tracking Error	1.57	0.00

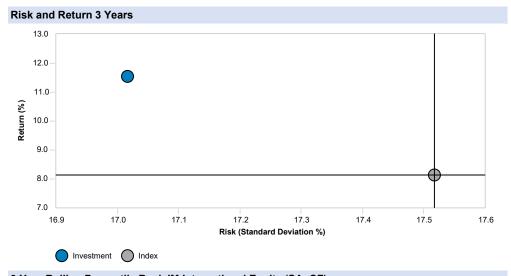
Benchmark: MSCI EAFE Index

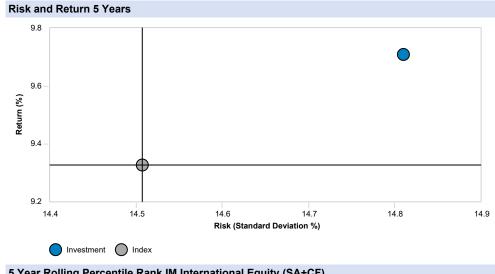




Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	11.54	17.02	0.66	104.80	8	91.12	4
Index	8 13	17 52	0.47	100.00	8	100.00	4

<b>Historical Stati</b>	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	9.71	14.81	0.62	102.10	12	100.75	8
Index	9.33	14.51	0.61	100.00	13	100.00	7







5 Y 6	ear Ro	iling Pe	rcentile	Rank IIVI	internat	ıonaı Equ	lity (SA1	FCF)			
	0.0										
ile Rank	25.0 –										
Return Perœntile Rank	50.0 –						Market Co.				- arear
a.	75.0 –	12/16	6/17	12/17	6/18	12/18	6/19	12/19	6/20	12/20	9/21

	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	13	0 (0%)	10 (77%)	1 (8%)	2 (15%)	
Index	20	0 (0%)	2 (10%)	17 (85%)	1 (5%)	

	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	5	0 (0%)	3 (60%)	2 (40%)	0 (0%)
Index	20	0 (0%)	0 (0%)	20 (100%)	0 (0%)

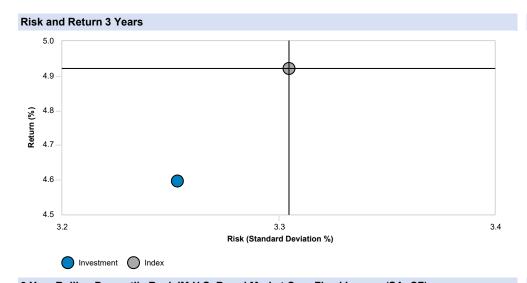


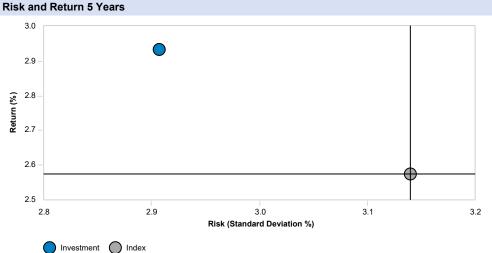




<b>Historical Stati</b>	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	4.60	3.25	1.05	91.94	9	88.57	3
Index	4.92	3.31	1.16	100.00	10	100.00	2

Historical Statistics 5 Years							
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	2.93	2.91	0.62	91.76	14	73.07	6
Index	2.57	3.14	0.47	100.00	15	100.00	5







Count

6 (30%)

0 (0%)

Count

8 (40%)

19 (95%)

Count

4 (20%)

0 (0%)

Count

2 (10%)

1 (5%)

20

20



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	20	9 (45%)	1 (5%)	4 (20%)	6 (30%)	
Index	20	0 (0%)	0 (0%)	1 (5%)	19 (95%)	

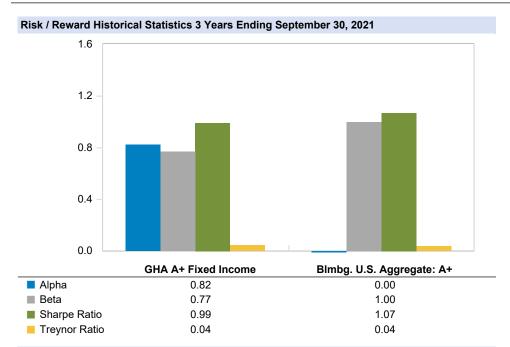


Investment

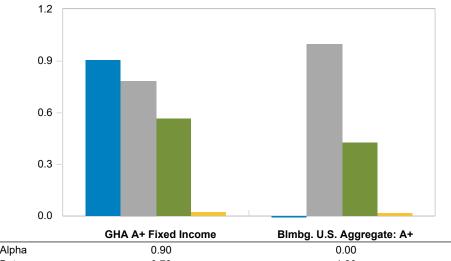
\_\_ Index





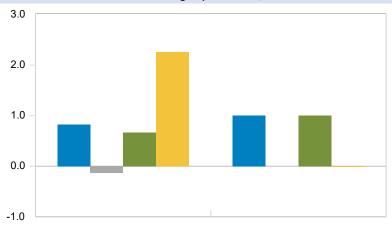


## Risk / Reward Historical Statistics 5 Years Ending September 30, 2021



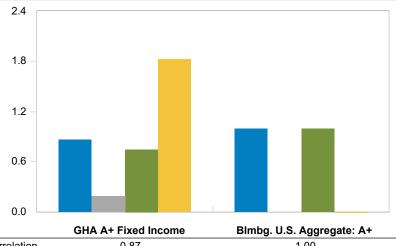
	GHA A+ FIXEG INCOME	Bimbg. U.S. Aggregate: A+
Alpha	0.90	0.00
Beta	0.79	1.00
Sharpe Ratio	0.57	0.43
Treynor Ratio	0.02	0.01

### Index Relative Historical Statistics 3 Years Ending September 30, 2021



	GHA A+ Fixed Income	Blmbg. U.S. Aggregate: A+
Actual Correlation	0.82	1.00
Information Ratio	-0.14	N/A
R-Squared	0.67	1.00
Tracking Error	2.25	0.00

### Index Relative Historical Statistics 5 Years Ending September 30, 2021



	GITA AT TIXEU IIICUITE	Dilling. U.S. Aggreç
Actual Correlation	0.87	1.00
Information Ratio	0.19	N/A
R-Squared	0.75	1.00
Tracking Error	1.83	0.00

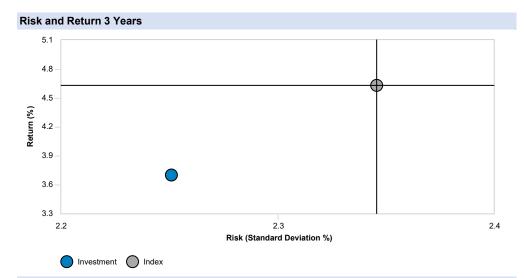
Benchmark: Blmbg. U.S. Aggregate: A+

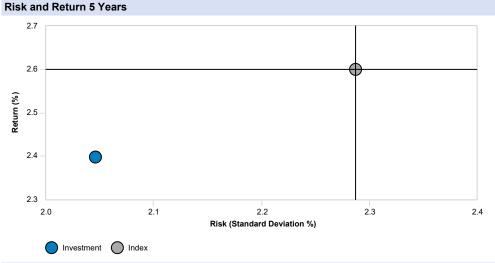


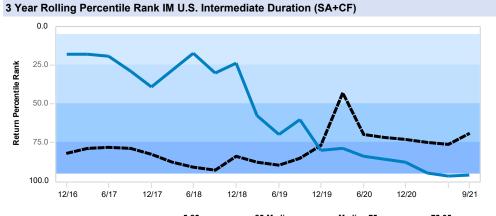


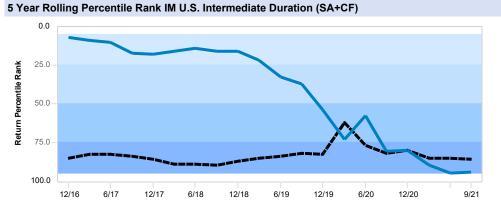
Historical Statistics 3 Years									
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		
Investment	3.71	2.25	1.12	83.86	11	95.18	1		
Index	4.63	2.35	1 49	100.00	11	100.00	1		

Historical Statistics 5 Years							
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	2.40	2.05	0.62	85.19	17	75.60	3
Index	2.60	2.29	0.65	100.00	16	100.00	4









	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	20	5 (25%)	4 (20%)	3 (15%)	8 (40%)	
Index	20	0 (0%)	1 (5%)	5 (25%)	14 (70%)	

	Total Period	5-25 Count	25-Median Count	Median-75 Count	Count	
Investment	20	10 (50%)	2 (10%)	3 (15%)	5 (25%)	
Index	20	0 (0%)	0 (0%)	1 (5%)	19 (95%)	





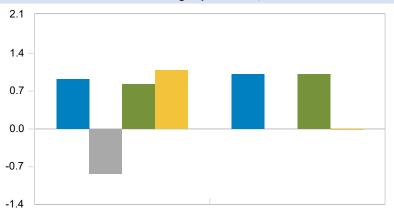


### Risk / Reward Historical Statistics 3 Years Ending September 30, 2021



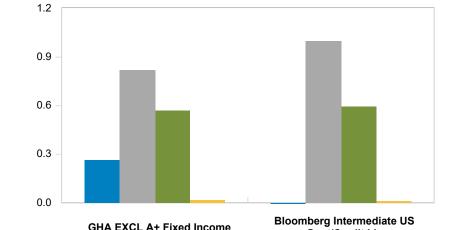
	GHA EXCL A+ Fixed Income	Bloomberg Intermediate US Govt/Credit Idx
Alpha	-0.45	0.00
■ Beta	0.90	1.00
Sharpe Ratio	1.04	1.47
Treynor Ratio	0.03	0.03

### Index Relative Historical Statistics 3 Years Ending September 30, 2021



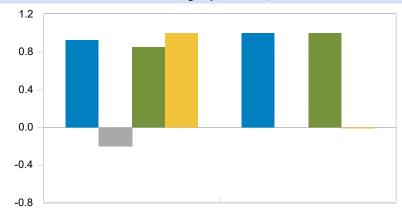
	GHA EXCL A+ Fixed Income	Bloomberg Intermediate US Govt/Credit Idx
Actual Correlation	0.91	1.00
Information Ratio	-0.82	N/A
R-Squared	0.83	1.00
Tracking Error	1.09	0.00

### Risk / Reward Historical Statistics 5 Years Ending September 30, 2021



	GHA EXCL A+ Fixed Income	Bloomberg Intermediate US Govt/Credit Idx
Alpha	0.27	0.00
Beta	0.82	1.00
Sharpe Ratio	0.57	0.60
Treynor Ratio	0.02	0.01

### Index Relative Historical Statistics 5 Years Ending September 30, 2021



	GHA EXCL A+ Fixed Income	Bloomberg Intermediate US Govt/Credit Idx
Actual Correlation	0.92	1.00
Information Ratio	-0.20	N/A
R-Squared	0.85	1.00
Tracking Error	1.00	0.00

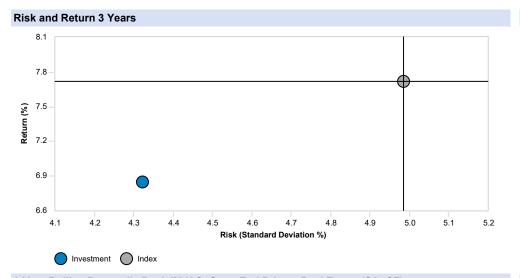
Benchmark: Bloomberg Intermediate US Govt/Credit Idx

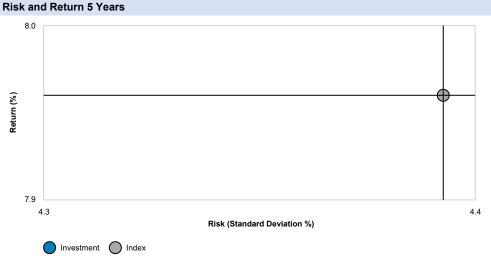


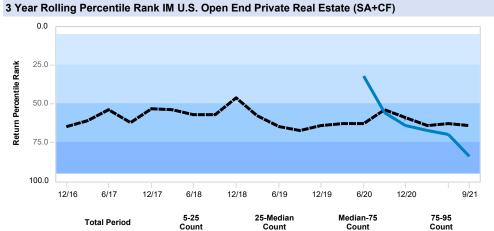


Historical Statistics 3 Years									
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		
Investment	6.85	4.32	1.28	83.85	11	-4.06	1		
Index	7.72	4.98	1.28	100.00	11	100.00	1		

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	7.96	4.39	1.50	100.00	19	100.00	1







Count

1 (17%)

1 (5%)

Count

4 (67%)

19 (95%)

1 (17%)

0 (0%)

Count

0 (0%)



	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%)	19 (95%)	1 (5%)



Investment

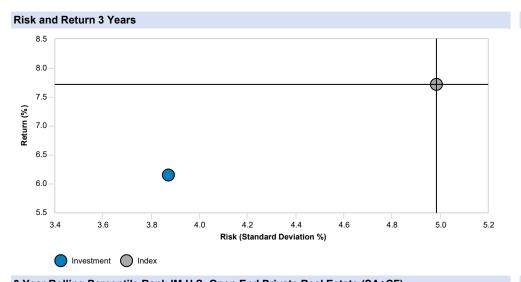
20





Historical Statistics 3 Years									
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		
Investment	6.16	3.87	1.26	77.98	10	42.51	2		
Index	7.72	4.98	1.28	100.00	11	100.00	1		

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	7.96	4.39	1.50	100.00	19	100.00	1		









	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	6	0 (0%)	0 (0%)	2 (33%)	4 (67%)	
Index	20	0 (0%)	1 (5%)	19 (95%)	0 (0%)	

	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%)	19 (95%)	1 (5%)	







otal Fund Historical Hybrid Composition			
Illocation Mandate	Weight (%)	Allocation Mandate	Weight (%)
an-1998		Jul-2010	
S&P 500 Index	60.00	Russell 1000 Value Index	15.50
CE BofAML Govt/ Corp Master	40.00	Bloomberg Intermediate US Govt/Credit Idx	20.00
		S&P MidCap 400 Index	10.00
an-2000		Russell 2500 Index	10.00
S&P 500 Index	50.00	Russell 1000 Growth Index	15.50
Blmbg. U.S. Aggregate Index	40.00	MSCI EAFE Index	9.00
/ISCI EAFE Index	10.00	Blmbg. U.S. Aggregate: A+	20.00
pr-2004		Jul-2017	
8&P 500 Index	50.00	Russell 1000 Value Index	15.50
Blmbg. U.S. Aggregate Index	40.00	Bloomberg Intermediate US Govt/Credit ldx	16.00
Russell 2000 Value Index	10.00	S&P MidCap 400 Index	10.00
		Russell 2500 Index	10.00
an-2007		Russell 1000 Growth Index	15.50
S&P 500 Index	50.00	MSCI EAFE Index	9.00
Bloomberg Intermediate US Govt/Credit ldx	24.00	Blmbg. U.S. Aggregate: A+	16.00
Russell 2000 Value Index	10.00	NCREIF Fund Index-Open End Diversified Core (EW)	8.00
Sarclays Aggregate A+	16.00	NONEII 1 unu muex-open enu biversineu core (Evv)	0.00
an-2008			
8&P 500 Index	40.00		
Bloomberg Intermediate US Govt/Credit ldx	24.00		
&P MidCap 400 Index	10.00		
Barclays Aggregate A+	16.00		
Russell 2000 Value Index	10.00		
pr-2008			
Russell 1000 Value Index	20.00		
Bloomberg Intermediate US Govt/Credit ldx	25.00		
&P MidCap 400 Index	10.00		
Barclays Aggregate A+	15.00		
Russell 2000 Value Index	10.00		
Russell 1000 Growth Index	20.00		
pr-2009			
Russell 1000 Value Index	20.00		
Bloomberg Intermediate US Govt/Credit ldx	20.00		
S&P MidCap 400 Index	10.00		
Barclays Aggregate A+	20.00		
Russell 2000 Value Index	10.00		
Russell 1000 Growth Index	20.00		



Total Equity Historical Hybrid Co	omposition	Total Fixed Income Historical Hybrid Composition		
Allocation Mandate	Weight (%)	Allocation Mandate	Weight (%)	
Jan-1998		Jan-1998		
S&P 500 Index	100.00	ICE BofAML Govt/ Corp Master	100.00	
Jan-2000		Jan-2000		
S&P 500 Index	83.30	Blmbg. U.S. Aggregate Index	100.00	
MSCI EAFE Index	16.70	Jan-2007		
Apr-2004		Bloomberg Intermediate US Govt/Credit Idx	60.00	
S&P 500 Index	83.30	Blmbg. U.S. Corporate A+ Index	40.00	
Russell 2000 Value Index	16.70	Apr-2008		
Jan-2008		Bloomberg Intermediate US Govt/Credit Idx	62.50	
S&P 500 Index	66.60	Blmbg. U.S. Corporate A+ Index	37.50	
Russell 2000 Value Index	16.70			
S&P MidCap 400 Index	16.70	Apr-2009  Bloomberg Intermediate US Govt/Credit Idx	50.00	
Apr-2008		Blmbg, U.S. Aggregate: A+	50.00	
Russell 1000 Growth Index	33.30	3 - 33 3		
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			
Russell 1000 Value Index	25.83			
MSCI EAFE Index	15.00			



	Estimated Annual Fee (%)	Market Value (\$)	Estimated Annual Fee (\$)	Fee Schedule
Ark Disruptive Technology ETF (ARKK)	0.75	5,827,915	43,709	0.75 % of Assets
Ark Autonomous Technology & Robotics ETF (ARKQ)	0.75	954,239	7,157	0.75 % of Assets
Ceredex Equity	0.53	35,372,807	189,178	0.75 % of First \$10 M 0.45 % of Next \$40 M 0.25 % Thereafter
Rhumbline R1000G	0.05	14,583,838	7,292	0.05 % of Assets
Defiance 5G Next Gen Connectivity ETF (FIVG)	0.30	943,594	2,831	0.30 % of Assets
Polen Capital	0.60	14,938,414	89,630	0.60 % of Assets
First Trust Cloud Computing ETF (SKYY)	0.60	977,530	5,865	0.60 % of Assets
Mutual of America Equity	0.07	22,604,279	15,823	0.07 % of Assets
Great Lakes SMID Cap		-	-	0.55 % of First \$50 M 0.45 % of Next \$50 M 0.35 % Thereafter
Vanguard R2000 (VRTIX)	0.08	21,284,977	17,028	0.08 % of Assets
JPM International Equity	0.75	9,506,868	71,302	0.75 % of Assets
Vanguard Developed Mar (VTMGX)	0.09	9,995,411	8,996	0.09 % of Assets
Total Equity Composite	0.33	136,989,872	458,811	
GHA EXCL A+ Fixed Income	0.25	20,737,162	51,843	0.25 % of Assets
GHA A+ Fixed Income	0.25	33,644,423	84,111	0.25 % of Assets
Total Fixed Income Composite	0.25	54,381,585	135,954	
Barings Real Estate	1.10	7,737,575	85,113	1.10 % of Assets
ASB Real Estate	1.19	6,529,884	77,799	1.25 % of First \$5 M 1.00 % of Next \$10 M 0.90 % of Next \$60 M 0.75 % Thereafter
Total Real Estate	1.14	14,267,459	162,912	
R&D Cash		6,078,659	-	
Total Fund Composite	0.36	211,717,574	757,677	



**3rd Quarter 2021 Market Environment** 



# The Economy

- Growth in the US likely slowed during the 3<sup>rd</sup> quarter as the recovery continues to mature.
- Inflation remains well above the Federal Reserve Bank's (the Fed) average target of 2.0%. The annual rate of inflation dropped slightly to 5.3% in August, down from 5.4% in July.
- The demand for labor in the US remains strong as evidenced by the drop in the unemployment rate in September to 4.8%, down from 5.2% in August. Unemployment benefits granted under the March 2020 CARES Act expired in early September. Wage growth remains strong as employers remain challenged to fill job openings.
- Despite leaving interest rates unchanged at their most recent meeting, the Fed stated that it would begin tapering its asset purchases and being the process of evaluating when interest rates would start to rise.

# **Equity (Domestic and International)**

- Volatility increased in during the 3<sup>rd</sup> quarter as US markets climbed to new all-time highs in early September only to pull back towards the end of the period. A variety of factors contributed to the increase in volatility including concerns related to the Delta variant, supply chain shortages, higher US interest rates, rising inflation, and fiscal policies in Washington. Despite these concerns, growth led value in both large and mid-cap companies and large companies outperformed relative to smaller peers.
- Developed international equity markets outperformed their domestic counterparts during the 3<sup>rd</sup> quarter. Emerging markets dropped sharply on concerns related to increased regulatory oversight in China and the potential default of Evergrande, the largest Chinese property developer.

### **Fixed Income**

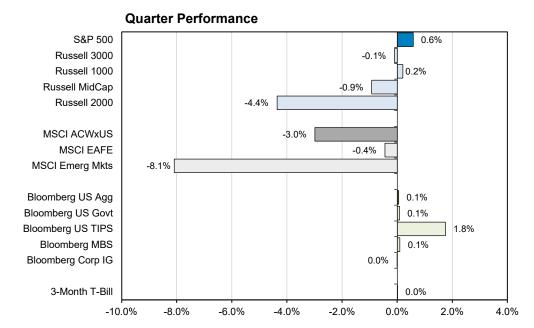
- Despite the continued concerns related to rising inflation and potential changes in Fed policies, US interest rates were essentially unchanged during the quarter. The US 10-Year Treasury bond rose only 2 basis points (0.02%) for the quarter to close at a yield of 1.48%.
- Performance across most US bond market sectors was muted during the quarter and was driven largely by the Fed's messaging concerning the potential for beginning the process of raising interest rates in late-2022.
- Lower quality corporate bonds outperformed higher quality sectors during the quarter. The combination of larger relative coupons and shorter maturity profiles acted as tailwinds for lower quality during the period.

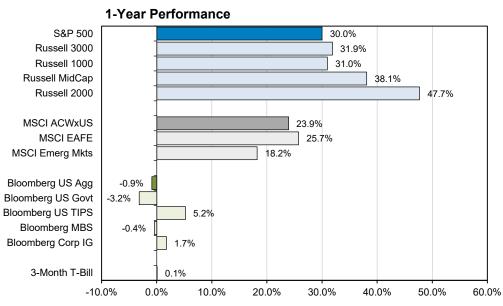
## **Market Themes**

- While global central bank monetary policy remains accommodative, both the Fed and the Bank of England hinted that rate increases would most likely be warranted in the near future. Historically, rising interest rates have served as a headwind to equity markets, particularly for expansion-oriented growth companies.
- The combination of supply chain disruptions and labor shortages is creating increased pressure on corporate margins. While earnings were generally better than expected during the period, the longer these challenges persist, the higher the likelihood that earnings will be negatively affected moving forward.
- Measures of inflation in both the US and Europe remain well above their respective targets. Persistent increases in food and energy prices have the potential to act as a headwind to consumers in coming periods as wages have not kept pace with rising prices.



- US equity markets experienced disparate returns during the 3rd quarter of 2021. The primary factors that drove the market performance during the period were concerns related to rising inflation and potential changes in the Fed's monetary policy. Despite rising US interest rates, growth-oriented companies maintained their market leadership relative to value. For the period, large cap companies returned 0.6%, compared to -0.9% for mid-caps and -4.4% for small company stocks.
- Similar to domestic markets, broad international equity markets also posted disappointing returns for the 3rd quarter. While concerns related to the spread of COVID began to wane, the key drivers of performance were rising inflation, rising interest rates, and the potential default of Evergrande in China. During the period, the MSCI EAFE Index posted a return of -0.4% while the MSCI Emerging Markets Index returned a weak -8.1%.
- For the quarter, bond market returns were muted as interest rates across the yield curve remained largely unchanged. While the Bloomberg (BB) US Aggregate Index returned 0.1%, the outlier was US TIPS which returned 1.8% on concerns about potential rising inflation.
- Returns over the trailing 1-year were strong across all broad US equity markets. The continuation of supportive monetary policy from the Fed and the reopening of local economies as the pandemic receded were the primary performance drivers during the period. Domestic small cap stocks posted highest return for the trailing 1-year period, returning 47.7%. US large cap performance was also stellar with a return of 30.0% over the trailing 1-year period.
- International markets also performed well but lagged relative to their domestic counterparts. Over the trailing 1-year period, the MSCI EAFE Index returned 25.7% while the MSCI Emerging Markets Index returned a lower 18.2%. The combination of rising inflation and developed market interest rates were the primary headwinds during the period.
- Bond market returns over the trailing 1-year period were muted with the Bloomberg US Aggregate Index returning -0.9%. US TIPS continued to lead the way as investors remain concerned about the potential for rising inflation. The TIPS Index returned 5.2% for the period while investment grade corporate bonds returned 1.7%.





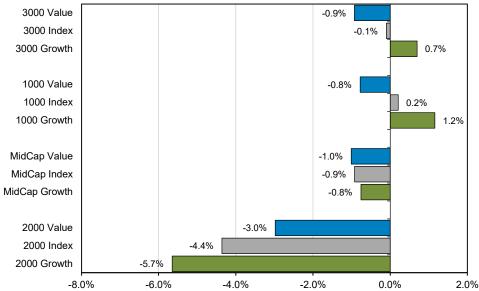
Source: Investment Metrics



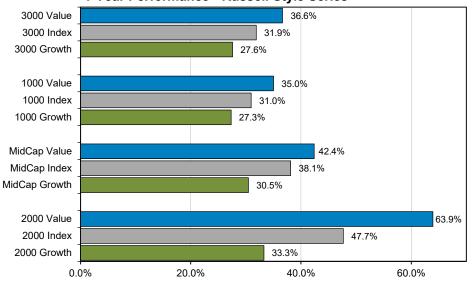
- The market's upward momentum waned during the quarter as most US equity benchmarks posted their first losing quarter since the drawdown at the onset of the pandemic. Large cap stocks continued to lead the equity markets, followed by mid and small cap issues. The Russell 1000 Index returned 0.2% versus returns of -0.9% for the Russell Mid Cap Index and -4.4% for the Russell 2000 Index.
- Except for small cap benchmarks, Growth continued to outpace value for the second consecutive quarter. The Russell 1000 Growth Index was the best performing style index for the quarter, posting a return of 1.2% and Mid cap growth performance was negative, returning -0.8%. However, in small cap stocks, value outpaced growth for the second consecutive quarter with the Russell 2000 Value Index returning -3.0% versus a weaker -5.7% for the Russell 2000 Growth Index.

- Performance across all market capitalizations and styles was very strong over the trailing 1-year period led by higher beta small cap stocks.
- Despite the recent relative outperformance by growth, value stocks outperformed across all market capitalizations over the trailing 1-year period. As the strong economic recovery continued, small cap value stocks posted outsized performance with the Russell 2000 Value Index returning 63.9%. The dispersion between value and growth was also most pronounced for small cap benchmarks (30.6%).

# **Quarter Performance - Russell Style Series**



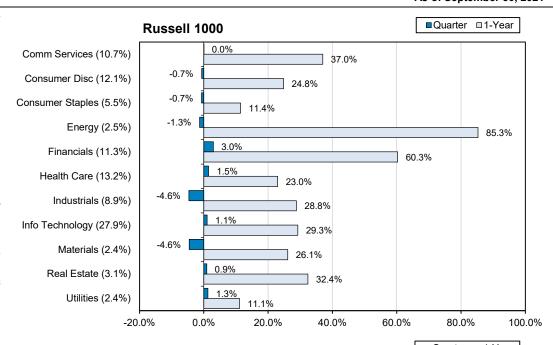
# 1-Year Performance - Russell Style Series

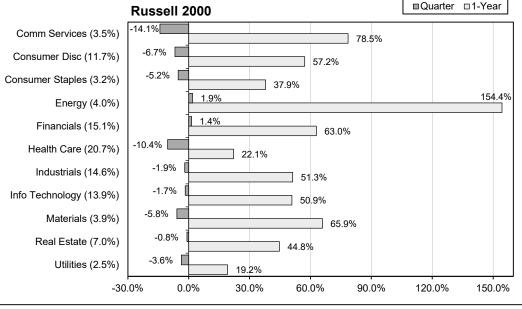


Source: Investment Metrics



- Sector performance was mixed and muted during the 3rd quarter with only five of the eleven large cap economic sectors realizing positive returns. Five sectors outpaced the return of the broad index during the period.
- Financials were the best performing sector during the quarter returning 3.0%. Rising interest rates and a steepening yield curve should boost banks' profits in the coming quarters. Health Care also performed well, led by the companies developing treatments for COVID-19. The Industrials and Materials sectors were negative during the period, with both sectors returning -4.6%. Supply chain disruptions and concerns about shrinking corporate margins acted as headwinds for performance in these sectors. and concerns about shrinking corporate margins acted as headwinds.
- For the full year, all eleven sectors produced positive returns. Sector performance for the period was led by Energy which jumped 85.3% as oil prices recovered from their pandemic lows. Four of the eleven sectors outperformed the broad large cap benchmark: Energy (85.3%), Financials (60.3%), Communication Services (37.0%), and Real Estate (32.4%). Although they still produced double-digit returns, the weakest economic sectors in the Russell 1000 for the trailing year were Utilities (11.1%) and Consumer Staples (11.4%).
- Small cap sector performance had a more challenging quarter with only two of the eleven small cap sectors posted positive performance. Energy (1.9%) and Financials (1.4%) benefited from rising energy prices and higher interest rates. Six of the Russell 2000 Index sectors managed to outpace the core benchmark for the quarter. Dispersion between the benchmark's sectors was wide during the period with Energy (1.9%) and Communication Services (-14.1%) defining the broad 16.0% band.
- For full 1-year period, seven of the eleven sectors outperformed the broad benchmark: Energy (154.4%), Communication Services (78.5%), Materials (65.9%), Financials (63.0%), Consumer Discretionary (57.2%), Industrials (51.3%), and Info Technology (50.9%). The combination of continued economic growth, accommodative monetary policies, rising energy prices, and increased inflationary pressures were the primary catalysts for the exceptional trailing 1-year performance.







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



Top 10 Weighted Stocks						
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector		
Apple Inc	5.40%	3.5%	23.0%	Information Technology		
Microsoft Corp	5.17%	4.3%	35.3%	Information Technology		
Amazon.com Inc	3.47%	-4.5%	4.3%	Consumer Discretionary		
Facebook Inc Class A	1.98%	-2.4%	29.6%	Communication Services		
Alphabet Inc Class A	1.96%	9.5%	82.4%	Communication Services		
Alphabet Inc Class C	1.82%	6.3%	81.4%	Communication Services		
Tesla Inc	1.50%	14.1%	80.8%	Consumer Discretionary		
Berkshire Hathaway Inc Class B	1.23%	-1.8%	28.2%	Financials		
NVIDIA Corp	1.21%	3.6%	53.3%	Information Technology		
JPMorgan Chase & Co	1.18%	5.8%	74.8%	Financials		

Top 10 Weighted Stocks						
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector		
AMC Entmt Holdings Inc Class A	0.67%	-32.9%	708.1%	Communication Services		
Intellia Therapeutics Inc	0.32%	-17.1%	574.8%	Health Care		
Crocs Inc	0.30%	23.1%	235.8%	Consumer Discretionary		
Lattice Semiconductor Corp	0.30%	15.1%	123.2%	Information Technology		
Ovintiv Inc	0.29%	4.6%	310.2%	Energy		
Tetra Tech Inc	0.27%	22.6%	57.3%	Industrials		
Scientific Games Corp Ordinary Shares	0.27%	7.3%	138.0%	Consumer Discretionary		
Rexnord Corp	0.27%	28.7%	117.1%	Industrials		
Biohaven Pharm. Holding Co Ltd	0.26%	43.1%	113.7%	Health Care		
Asana Inc Ordinary Shares - Class A	0.26%	67.4%	260.6%	Information Technology		

Top 10 Performing Stocks (by Quarter)						
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector		
Upstart Holdings Inc Ordinary Shares	0.03%	153.4%	N/A	Financials		
Moderna Inc	0.32%	63.8%	444.0%	Health Care		
Albertsons Companies Inc Class A	0.01%	59.1%	129.8%	Consumer Staples		
Atlassian Corporation PLC A	0.13%	52.4%	115.3%	Information Technology		
Paylocity Holding Corp	0.03%	47.0%	73.7%	Information Technology		
Bill.com Holdings Inc Ordinary Shares	0.05%	45.7%	166.1%	Information Technology		
Repligen Corp	0.04%	44.8%	95.9%	Health Care		
Acceleron Pharma Inc	0.02%	37.1%	52.9%	Health Care		
Paycom Software Inc	0.06%	36.4%	59.3%	Information Technology		
Datadog Inc Class A	0.08%	35.8%	38.4%	Information Technology		

Top 10 Performing Stocks (by Quarter)						
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector		
State Auto Financial Corp	0.03%	198.2%	276.9%	Financials		
Fulcrum Therapeutics Inc	0.03%	169.2%	255.7%	Health Care		
IVERIC bio Inc	0.06%	157.4%	187.9%	Health Care		
Kadmon Holdings Inc	0.05%	125.1%	122.2%	Health Care		
GreenSky Inc Class A	0.03%	101.4%	151.8%	Information Technology		
Dynavax Technologies Corp	0.07%	95.0%	344.7%	Health Care		
Grid Dynamics Hldgs Inc Ord Shrs A	0.04%	94.4%	278.0%	Information Technology		
Peabody Energy Corp	0.04%	86.5%	543.0%	Energy		
Trillium Therapeutics Inc	0.06%	81.2%	24.2%	Health Care		
Cytokinetics Inc	0.10%	80.6%	65.1%	Health Care		

Bottom 10 Performing Stocks (by Quarter)						
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector		
GoHealth Inc Ordinary Shares - Class A	0.00%	-55.1%	-61.4%	Financials		
Skillz Inc Ordinary Shares - Class A	0.01%	-54.8%	N/A	Communication Services		
Boston Beer Co Inc Class A	0.01%	-50.1%	-42.3%	Consumer Staples		
StoneCo Ltd Class A	0.02%	-48.2%	-34.4%	Information Technology		
TuSimple Hldgs Inc Ord Shrs - Class A	0.00%	-47.9%	N/A	Industrials		
NovoCure Ltd	0.03%	-47.6%	4.4%	Health Care		
Vroom Inc Ordinary Shares	0.01%	-47.3%	-57.4%	Consumer Discretionary		
Virgin Galactic Holdings Inc Shs A	0.01%	-45.0%	31.6%	Industrials		
ChargePoint Hldgs Inc Ord Shrs - A	0.01%	-42.5%	N/A	Industrials		
Signify Health Inc Ord Shrs - Class A	0.00%	-41.3%	N/A	Health Care		

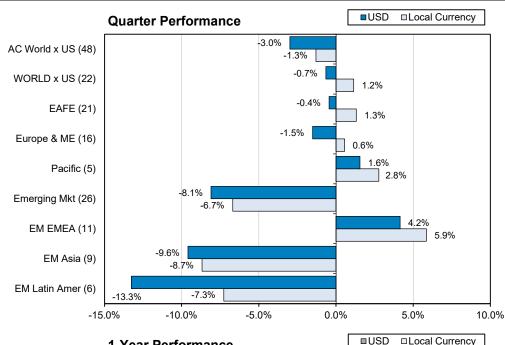
Bottom 10 Performing Stocks (by Quarter)						
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector		
GT Biopharma Inc	0.00%	-100.0%	N/A	Health Care		
Forte Biosciences Inc Ordinary Shares	0.00%	-91.2%	-93.9%	Health Care		
Eargo Inc Ordinary Shares	0.00%	-83.1%	N/A	Health Care		
Sesen Bio Inc	0.01%	-82.8%	-43.3%	Health Care		
Ardelyx Inc	0.00%	-82.6%	-74.9%	Health Care		
MedAvail Holdings Inc Ordinary Shares	0.00%	-76.2%	N/A	Consumer Staples		
Seres Therapeutics Inc	0.02%	-70.8%	-75.4%	Health Care		
Ontrak Inc	0.00%	-69.1%	-83.3%	Health Care		
InnovAge Holding Corp	0.00%	-69.0%	N/A	Health Care		
Ashford Hospitality Trust Inc	0.01%	-67.7%	-10.8%	Real Estate		

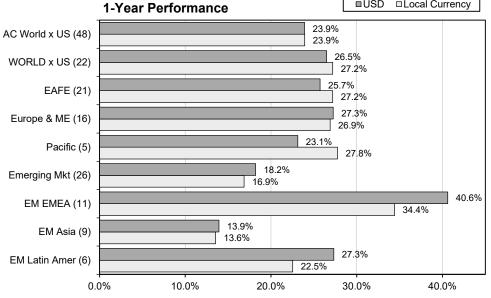
Source: Morningstar Direct



• Although some regional benchmarks posted positive performance for the quarter, the US dollar (USD) performance for the broad international equity benchmarks were negative. For the period, developed markets outperformed emerging markets in both USD and local currency. The MSCI EAFE Index returned -0.4% in USD and 1.3% in local currency terms for the period while the MSCI Emerging Markets Index posted a weak -8.1% return in USD and -6.7% in local currency terms.

The trailing 1-year results for international developed and emerging markets were positive across all regions and currencies. The MSCI EAFE Index returned 25.7% in USD and 27.2% in local currency terms, while the MSCI Emerging Markets Index returned 18.2% in USD and 16.9% in local currency terms. Performance within the emerging markets regions was led by the EMEA region which returned 40.6% in USD and 34.4% in local terms.









MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Communication Services	4.8%	-4.1%	16.2%
Consumer Discretionary	12.7%	-3.6%	31.7%
Consumer Staples	10.2%	-3.4%	9.0%
Energy	3.5%	8.7%	62.1%
Financials	17.2%	1.8%	44.5%
Health Care	12.7%	0.5%	9.7%
Industrials	15.8%	1.3%	28.1%
Information Technology	9.6%	5.0%	36.2%
Materials	7.3%	-5.7%	25.2%
Real Estate	2.9%	-3.1%	20.2%
Utilities	3.3%	-4.6%	4.4%
Total	100.0%	-0.4%	25.7%
MSCI – ACWIXUS	Sector Weight	Quarter Return	1-Year Return
Communication Services	6.3%	-9.9%	9.0%
Consumer Discretionary	12.7%	-11.5%	9.9%
Consumer Staples	8.5%	-3.4%	10.0%
Energy	4.9%	6.7%	55.0%
Financials	19.3%	1.1%	42.5%
Health Care	9.5%	-1.9%	10.1%
Industrials	12.2%	0.2%	27.9%
Information Technology	13.2%	-1.0%	36.7%
Materials	8.0%	-5.5%	27.1%
Real Estate	2.5%	-5.7%	12.7%
Utilities	3.0%	-1.9%	10.5%
Total	100.0%	-3.0%	23.9%
MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Communication Services	10.3%	-15.1%	1.9%
Consumer Discretionary	14.7%	-22.9%	-16.9%
Consumer Staples	5.9%	-4.4%	13.4%
Energy	5.9%	9.1%	44.5%
Financials	19.5%	1.0%	35.0%
Health Care	5.0%	-13.0%	12.9%
Industrials	4.9%	-6.5%	31.9%
Information Technology	20.9%	-5.9%	37.3%
Materials	8.7%	-4.8%	46.1%
Real Estate	2.1%	-14.2%	-9.4%
Utilities	2.3%	7.4%	35.2%
Total	100.0%	-8.1%	18.2%

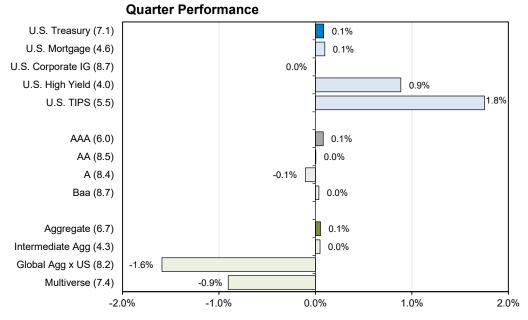
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Country	MSCI-EAFE Weight	MSCI-ACWIxUS Weight	Quarter Return	1- Year Return
Japan	24.2%	15.3%	4.6%	22.1%
United Kingdom	14.4%	9.1%	-0.3%	31.2%
France	11.2%	7.1%	-2.0%	34.3%
Switzerland	9.5%	6.0%	-3.3%	14.5%
Germany	9.1%	5.8%	-4.3%	16.5%
Australia	6.9%	4.4%	-3.0%	31.7%
Netherlands	4.8%	3.1%	3.4%	46.0%
Sweden	3.7%	2.3%	-2.2%	31.4%
Hong Kong	3.0%	1.9%	-9.4%	15.0%
Denmark	2.6%	1.7%	2.6%	28.3%
	2.5%	1.6%	-1.1%	33.4%
Italy	2.5%			
Spain	1.2%	1.5% 0.7%	-3.3% 0.0%	31.4%
Singapore Finland	1.2%	0.7%	-3.1%	30.0% 16.6%
Belgium	0.9%	0.7%	-3.1% -5.6%	18.8%
	0.9%			
Ireland		0.5%	0.0%	21.8%
Norway	0.7%	0.4%	5.2%	45.4%
Israel	0.6%	0.4%	2.8%	28.4%
New Zealand	0.2%	0.2%	1.8%	-2.3%
Austria	0.2%	0.1%	10.4%	98.2%
Portugal	0.2%	0.1%	3.6%	19.5%
Total EAFE Countries	100.0%	63.3%	-0.4%	25.7%
Canada		7.1%	-2.5%	33.9%
Total Developed Countries		70.4%	-0.7%	26.5%
China		10.1%	-18.2%	-7.3%
Taiwan		4.4%	-2.1%	43.3%
Korea		3.7%	-13.2%	27.8%
India		3.6%	12.6%	53.1%
Brazil		1.3%	-20.2%	21.0%
Russia		1.2%	9.5%	59.4%
Saudi Arabia		1.0%	8.2%	47.7%
South Africa		0.9%	-5.8%	27.2%
Mexico		0.6%	1.4%	51.1%
Thailand		0.5%	-3.6%	20.1%
Indonesia		0.4%	9.4%	26.4%
Malaysia		0.4%	0.2%	1.4%
United Arab Emirates		0.2%	6.4%	50.6%
Poland		0.2%	1.2%	29.5%
Qatar		0.2%	7.3%	15.0%
Philippines		0.2%	-3.6%	13.3%
Kuwait		0.2%	9.0%	27.8%
Chile		0.1%	-7.8%	18.7%
Hungary		0.1%	7.7%	72.8%
Turkey		0.1%	1.9%	5.2%
Argentina		0.1%	22.1%	47.2%
Colombia		0.1%	10.2%	31.7%
Peru		0.1%	-11.0%	-5.8%
Greece		0.1%	2.0%	30.4%
Czech Republic		0.0%	14.2%	85.2%
Egypt		0.0%	4.3%	-13.7%
Total Emerging Countries		29.5%	-8.1%	18.2%
Total ACWIxUS Countries		100.0%	-3.0%	23.9%

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

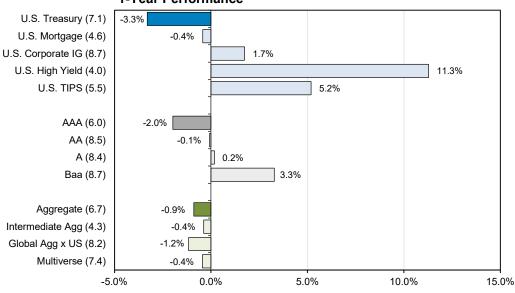
As a result of the GICS classification changes on 9/28/2018 and certain associated reporting limitations, sector performance represents backward looking performance for the prior year of each sector's current constituency, post creation of the Communication Services sector.



- Fixed income market yields were broadly unchanged during the 3rd quarter.
   The Bloomberg US Aggregate Bond Index returned a muted 0.1% for the period.
- Digging deeper into bond market sectors, while the US Corporate Investment Grade Index return was largely unchanged (0.0%), lower quality High Yield benchmark delivered positive a positive return of 0.9%. High yield issues benefited from the asset category's overall shorter maturity profile and higher coupon rate.
- The outlier during the quarter was US TIPS issues, which returned 1.8%. Expectations for inflation to persist above the Fed's stated average target of 2.0% was the catalyst for the solid performance.
- Outside of domestic markets, the Bloomberg Global Aggregate ex US Index posted a -1.6% return for the quarter. A significant contributor to the global bond's index performance was UK issues. Interest rates in the UK moved higher during the period as the Bank of England began to message the potential for rate increases in the near future.
- Over the trailing 1-year period, returns of higher quality government and mortgage-backed bonds were disappointing. US Treasury bonds declined by -3.3% and the mortgage-backed benchmark returned a less negative -0.4%.
- In contrast, corporate bonds delivered solid performance, led by lower quality high yield bonds. The Bloomberg US Corporate IG Index returned 1.7% while the Blomberg US High Yield Bond Index returned a strong 11.3%.
- US TIPS continued to perform well for the trailing 1-year period with the index returning 5.2%. Persistent concerns about rising inflation acted as a tailwind for TIPS issues.



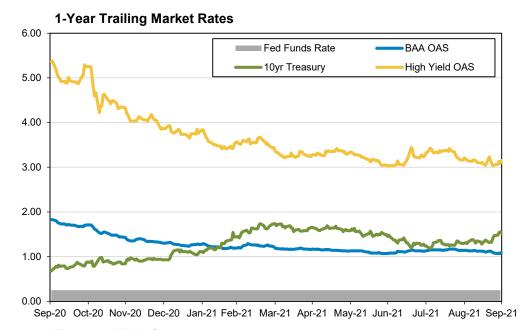
# 1-Year Performance

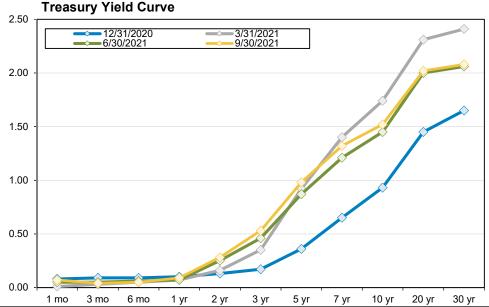


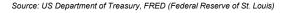
Source: Bloomberg



- The gray band across the graph represents the range of the Fed Funds Rate. Over the past year, the Fed's target rate range has remained unchanged at 0.00% to 0.25%. During its September meeting, the Federal Open Market Committee (FOMC) reiterated its commitment to keeping interest rates near zero while signaling that it would begin tapering its asset purchase program. Importantly, the Fed also indicated it would begin considering raising US interest rates in the near future.
- The yield on the US 10-year Treasury (green line) continued to rise during the year as the economy recovered. After reaching a high of 1.74% during the 1st quarter of 2021, interest rates have largely moved in a range-bound, sideways pattern.
- The blue line illustrates changes in the BAA OAS (Option Adjusted Spread). This measure quantifies the additional yield premium investors require to purchase and hold non-Treasury investment grade issues. As the pace of the economic recovery quickened, spreads narrowed, indicating that investors remain comfortable owning credit as the probability of corporate defaults remains low. While nearly triple the BAA OAS, the High Yield OAS shows a similar willingness by investors to hold non-Treasury debt.
- The lower graph provides a snapshot of the US Treasury yield curve at the end of each of the last four quarters. Beginning in the 4th quarter of 2020, longer-term interest rates began to move higher as investors anticipated improving economic conditions. Interest rates peaked in the 1st quarter as economic growth surprised to the upside. Since then, longer-term US interest rates have remained relatively steady.









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# **Disclosures**

# Disclosures as they pertain to GHA balanced account:

• Due to the balanced account, Total Equity, Total Fixed Income Composites, GHA LCG, and GHA EXCL A+ returns are shown as segment level returns that do not include their respective cash balances and returns prior to 12/31/2017.



Δ	cti	ve	R	۵tı	ırn

- Arithmetic difference between the manager's performance and the designated benchmark return over a specified time period.

#### Alpha

- A measure of the difference between a portfolio's actual performance and its expected return based on its level of risk as determined by beta. It determines the portfolio's non-systemic return, or its historical performance not explained by movements of the market.

#### Beta

- A measure of the sensitivity of a portfolio to the movements in the market. It is a measure of the portfolio's systematic risk.

### Consistency

- The percentage of quarters that a product achieved a rate of return higher than that of its benchmark. Higher consistency indicates the manager has contributed more to the product's performance.

# Distributed to Paid In (DPI)

- The ratio of money distributed to Limited Partners by the fund, relative to contributions. It is calculated by dividing cumulative distributions by paid in capital. This multiple shows the investor how much money they got back. It is a good measure for evaluating a fund later in its life because there are more distributions to measure against.

# **Down Market Capture**

- The ratio of average portfolio performance over the designated benchmark during periods of negative returns. A lower value indicates better product performance

## **Downside Risk**

- A measure similar to standard deviation that utilizes only the negative movements of the return series. It is calculated by taking the standard deviation of the negative quarterly set of returns. A higher factor is indicative of a riskier product.

### **Excess Return**

- Arithmetic difference between the manager's performance and the risk-free return over a specified time period.

### Excess Risk

- A measure of the standard deviation of a portfolio's performance relative to the risk free return.

#### Information Ratio

- This calculates the value-added contribution of the manager and is derived by dividing the active rate of return of the portfolio by the tracking error. The higher the Information Ratio, the more the manager has added value to the portfolio.

#### **Public Market Equivalent (PME)**

- Designs a set of analyses used in the Private Equity Industry to evaluate the performance of a Private Equity Fund against a public benchmark or index.

### R-Squared

- The percentage of a portfolio's performance that can be explained by the behavior of the appropriate benchmark. A high R-Squared means the portfolio's performance has historically moved in the same direction as the appropriate benchmark.

#### Return

- Compounded rate of return for the period.

### Sharpe Ratio

- Represents the excess rate of return over the risk free return divided by the standard deviation of the excess return. The result is an absolute rate of return per unit of risk. A higher value demonstrates better historical risk-adjusted performance.

#### **Standard Deviation**

- A statistical measure of the range of a portfolio's performance. It represents the variability of returns around the average return over a specified time period.

# Total Value to Paid In (TVPI)

- The ratio of the current value of remaining investments within a fund, plus the total value of all distributions to date, relative to the total amount of capital paid into the fund to date. It is a good measure of performance before the end of a fund's life

### **Tracking Error**

- This is a measure of the standard deviation of a portfolio's returns in relation to the performance of its designated market benchmark.

#### **Treynor Ratio**

- Similar to Sharpe ratio but utilizes beta rather than excess risk as determined by standard deviation. It is calculated by taking the excess rate of return above the risk free rate divided by beta to derive the absolute rate of return per unit of risk. A higher value indicates a product has achieved better historical risk-adjusted performance.

### **Up Market Capture**

- The ratio of average portfolio performance over the designated benchmark during periods of positive returns. A higher value indicates better product performance.



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

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

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