# 210960-G



# City of Gainesville Retiree Health Fund

Quarterly Performance Summary As of December 31, 2021

> Scott Owens, CFA®, CIMA® Managing Director - Wealth Management Institutional Consulting Director Scott.Owens@msgraystone.com (813) 227-2027

Andy McIlvaine Associate Vice President Institutional Consultant Financial Advisor - Wealth Management Andy.McIlvaine@msgraystone.com (813) 227-2160





# City of Gainesville Goal Review as of December 31, 2021

Goals:

The General investment objectives of the City are as follows:

#### 1. Establish a Prudent Investment Program

Although the Fund is not covered by the Employee Retirement Income Security Act of 1974 (ERISA), the assets of this Fund shall be invested in a manner consistent with the fiduciary standard set forth in ERISA, as though ERISA applied to the Fund; namely, (1) in accordance with the safeguards and diversity to which a prudent investor would adhere (2) and all transactions undertaken on behalf of the Fund must be for the sole interest of Plan participants and their beneficiaries to provide benefits and pay the expenses of the Fund. The Retiree Health Insurance Fund investment program must operate in compliance with all applicable State and Federal laws and regulations concerning the investment of trust assets.

#### 2. Achieve Growth in Purchasing Power

Primary investment emphasis must be placed upon the consistent protection of the funds assets and growth performance, i.e., the achievement of adequate investment growth must not be at the expense of the protection of the assets over the investment horizon.

More specific investment objectives established by the City include the following:

- The Fund should earn a return over time exceeding the assumed actuarial rate of return. In addition, the Fund should earn a return greater than inflation, as measured by the Consumer Price Index, by 5.5% per year. It is also consistent with the City's objective to enhance the purchasing power of the Fund.
- Individual investment managers will not be measured against the aggregate fund objective stated above. They will be compared to appropriate market indices, and the performance of other managers who utilize a similar investment style.

(source: November 2021 IPS)



The price, quotes, and statistics contained herein have been obtained from sources believed to be reliable, however, it's accuracy cannot be guaranteed. Past performance is not guarantee of future results.

#### **Timeline Review**

as of December 31, 2021

#### Timeline:

- November 2021: Investment Policy Statement
- August 2021: Investment Policy Statement
- May 2021: Active vs. Passive Analysis / Education
- February 2021: Active vs. Passive Analysis / Education
- September 2020: Removed: MLP
- July 2020: Infrastructure Fund Search
- June 2020:
  - Replaced: Large-Cap Growth Manager
  - Removed: Large-Cap Core Manager
  - Investment Policy Statement
- February 2020: Large-Cap Growth Manager Search
- October 2019: Asset Allocation Study
- December 2018: Investment Policy Statement
- March 2018: Removed: Large-Cap Growth Manager
- October 2017: Fixed Income Manager Search
- August 2017: Large-Cap Growth Manager Search
- October 2016: Removed: Hedge Fund of Funds
- August 2016: Removed: Hedge Fund of Funds
- July 2016: Removed: Hedge Fund of Funds
- June 2016: Investment Policy Statement
- February 2016:
  - Small-Cap Value Manager Search
  - SMID Value Manager Search
- November 2015: Added: MLP
- May 2015: MLP Search
- March 2014: Removed Hedge Fund of Funds
- September 2013: Added: Large-Cap Core Manager
- August 2013:

- Large-Cap Growth Manager Search
- Asset Allocation Study
- October 2012: Added: Private Real Estate Fund
- November 2012: Large-Cap Growth Manager Search
- February 2011: Real Estate Fund Search
- November 2010: Asset Allocation Study
- August 2010: Real Estate Fund Search
- May 2010: Added the following accounts:
  - Hedge Fund of Funds
  - Hedge Fund of Funds
- April 2010: Added the following accounts:
  - Large-Cap Value Manager
  - Large-Cap Growth Manager
  - Small-Cap Value Manager
  - Small-Cap Growth Manager
  - International Value Manager
  - International Growth Manager
  - Fixed Income Manager
  - Hedge Fund of Funds
  - Hedge Fund of Funds
  - Large-Cap Growth Manager



Capital Markets Returns

as of December 31, 2021

U.S. Equity Market % Returns for the Period Ending December 31, 2021											
	Quarter	Year to Date	12 Months	Three Years (annualized)	Five Years (annualized)	Seven Years (annualized)					
S&P 500 Index	11.03	28.70	28.70	26.07	18.47	14.93					
Dow Jones Industrial Average	7.87	20.95	20.95	18.49	15.51	13.33					
Russell 3000 Index	9.28	25.66	25.66	25.79	17.97	14.55					
Russell 3000 Value Index	7.54	25.37	25.37	17.65	11.00	9.71					
Russell 3000 Growth Index	10.89	25.85	25.85	33.21	24.56	19.02					
Russell 1000 Index	9.78	26.46	26.46	26.21	18.43	14.84					
Russell 1000 Value Index	7.77	25.16	25.16	17.64	11.16	9.73					
Russell 1000 Growth Index	11.64	27.60	27.60	34.07	25.32	19.58					
Russell Midcap Index	6.44	22.58	22.58	23.29	15.10	12.23					
Russell Midcap Value Index	8.54	28.34	28.34	19.62	11.22	9.96					
Russell Midcap Growth Index	2.85	12.73	12.73	27.46	19.83	14.92					
Russell 2000 Index	2.14	14.82	14.82	20.02	12.02	10.76					
Russell 2000 Value Index	4.36	28.27	28.27	17.99	9.07	9.45					
Russell 2000 Growth Index	0.01	2.83	2.83	21.16	14.53	11.66					

	Quarter	
Real Estate	17.54	
Technology	16.69	
Materials	15.20	
Consumer Staples	13.31	
Utilities	12.93	
Consumer Discretionary	12.84	
Health Care	11.17	
Industrials	8.64	
Energy	7.97	
Financials	4.57	
Communication Services	(0.01)	

Past Performance is not a guarantee of future results. Indices are not available for direct investment. Source: PARis



## Capital Markets Returns

as of December 31, 2021

			U.S. Dollar			Local Currency					
	Quarter	Year to Date	12 Months	3 Years	5 Years	Quarter	Year to Date	12 Months	3 Years	5 Years	
Regional and Other Multi-Country Indices											
MSCI EAFE	2.69	11.26	11.26	13.54	9.55	3.96	19.25	19.25	13.89	8.88	
MSCI Europe	5.66	16.30	16.30	14.90	10.14	6.57	23.32	23.32	14.72	9.09	
MSCI Far East	(3.88)	1.48	1.48	10.74	8.62	(1.27)	11.48	11.48	12.26	8.36	
MSCI Pacific ex. Japan	(0.09)	4.68	4.68	9.70	8.31	(0.49)	9.13	9.13	9.00	8.17	
MSCI The World	7.86	22.35	22.35	22.32	15.64	8.21	24.74	24.74	N/A	N/A	
MSCI World ex. U.S.	3.14	12.63	12.63	14.07	9.63	4.28	19.88	19.88	14.19	8.97	
National Indices											
MSCI Hong Kong	(3.55)	(3.91)	(3.91)	3.91	7.09	(3.41)	(3.41)	(3.41)	3.78	7.20	
MSCI Ireland	0.61	8.83	8.83	20.18	9.05	2.54	17.09	17.09	20.39	9.44	
MSCI Japan	(3.94)	2.04	2.04	12.08	8.89	(0.85)	13.81	13.81	13.90	8.61	
MSCI Singapore	(3.61)	5.47	5.47	3.96	6.67	(3.89)	7.87	7.87	3.67	5.28	

Emerging Markets Equity % Returns for the Period Ending December 31, 2021												
		U.S. Dollar					Local Currency					
	Quarter	Year to Date	12 Months	3 Years	5 Years	Quarter	Year to Date	12 Months	3 Years	5 Years		
Regional and Other Multi-Country Indices												
MSCI EM	(1.24)	(2.22)	(2.22)	11.32	10.26	(0.84)	0.14	0.14	12.35	10.89		
National Indices												
MSCI China	(6.06)	(21.64)	(21.64)	7.91	9.52	(6.17)	(21.58)	(21.58)	7.43	9.41		
MSCI Malaysia	1.80	(6.24)	(6.24)	(1.61)	2.28	1.30	(2.90)	(2.90)	(1.34)	0.77		
MSCI Taiwan	8.48	26.81	26.81	35.35	23.96	7.72	24.87	24.87	30.69	20.23		
MSCI Thailand	3.04	(1.12)	(1.12)	(1.30)	4.22	3.04	(1.12)	(1.12)	(1.30)	4.22		

Past Performance is not a guarantee of future results. Indices are not available for direct investment. Source: PARis



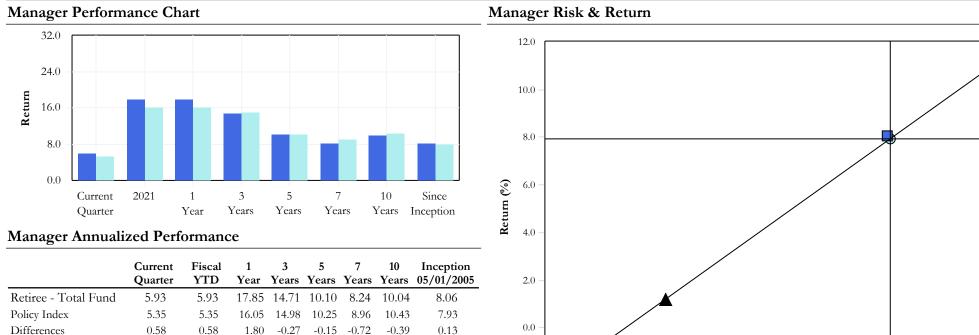
Capital Markets Returns

as of December 31, 2021

	Quarter	Year to Date	12 Months	Three Years (annualized)	Five Years (annualized)	Ten Years (annualized)
U.S. Fixed Income						
90-Day T-Bills	0.01	0.05	0.05	0.96	1.11	0.60
Barclays Aggregate	0.01	(1.54)	(1.54)	4.79	3.57	2.90
Barclays Credit	0.22	(1.08)	(1.08)	7.17	5.05	4.45
Barclays Govt/Credit	0.18	(1.75)	(1.75)	5.50	3.99	3.13
Barclays Government	0.15	(2.27)	(2.27)	4.06	3.07	2.14
Barclays High Yield	0.69	5.26	5.26	8.81	6.28	6.82
Barclays Intermediate Govt/Credit	(0.57)	(1.44)	(1.44)	3.86	2.91	2.38
Barclays Long Govt/Credit	2.15	(2.52)	(2.52)	10.62	7.39	5.72
Barclays Mortgage Backed	(0.37)	(1.04)	(1.04)	3.01	2.50	2.28
Barclays Municipal	0.72	1.52	1.52	4.73	4.17	3.72
Global Fixed Income						
Merrill Lynch Global High Yield	(0.74)	1.37	1.37	7.59	5.82	6.50
Barclays Global Treasury ex. US	(2.19)	(9.81)	(9.81)	1.76	2.76	0.99
Barclays Capital Majors ex. U.S.	(1.94)	(9.58)	(9.58)	1.20	2.27	0.05

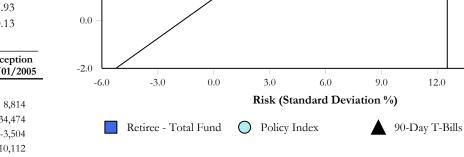
### **Total Fund - Executive Summary**

### as of December 31, 2021



#### Historic Asset Growth

	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	10 Years	Inception 05/01/2005
Retiree - Total Fund								
Beginning Market Value	71,612	71,612	66,935	57,934	21,024	20,536	14,506	8,814
Net Contributions	-	-	-2,500	-7,971	31,834	31,112	30,490	34,474
Fees/Expenses	-121	-121	-500	-1,449	-2,031	-2,372	-2,801	-3,504
Income	320	320	1,189	4,159	5,808	6,579	7,529	10,112
Gain/Loss	3,921	3,921	10,609	23,059	19,096	19,877	26,008	25,835
Ending Market Value	75,732	75,732	75,732	75,732	75,732	75,732	75,732	75,732



#### **Modern Portfolio Statistics**

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Capture	Down Capture	Alpha	Sharpe Ratio	<b>R-Squared</b>	Inception Date
Retiree - Total Fund	8.06	12.38	0.98	-40.63	99.68	98.58	0.30	0.59	0.98	05/01/2005
Policy Index	7.93	12.53	1.00	-40.44	100.00	100.00	0.00	0.58	1.00	05/01/2005

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12.0

15.0

18.0

## Asset Allocation & Time Weighted Performance

### as of December 31, 2021

	Alloca	tion				P	erformance(	%)			
	Market Value (\$)	0⁄0	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Inception	Inception Date
Retiree - Total Fund	75,732,237	100.00	5.93	5.93	17.85	14.71	10.10	8.24	10.04	8.06	05/01/2005
Retiree - Total Fund (net)			5.75	5.75	17.03	13.86	9.25	7.38	9.17	7.21	
Policy Index			5.35	5.35	16.05	14.98	10.25	8.96	10.43	7.93	
Domestic Equity											
Columbia - Dividend Income	15,829,015	20.90	10.84	10.84	27.00	N/A	N/A	N/A	N/A	31.51	07/01/2020
Columbia - Dividend Income (net)			10.68	10.68	26.25	N/A	N/A	N/A	N/A	30.72	
Russell 1000 Value			7.77	7.77	25.16	N/A	N/A	N/A	N/A	33.04	
Polen - Large Cap Growth	14,965,762	19.76	5.31	5.31	24.52	N/A	N/A	N/A	N/A	29.16	07/01/2020
Polen - Large Cap Growth (net)			5.17	5.17	23.82	N/A	N/A	N/A	N/A	28.39	
Russell 1000 Gr			11.64	11.64	27.60	N/A	N/A	N/A	N/A	37.20	
Kayne Anderson - Small Cap Value	8,732,616	11.53	6.68	6.68	19.84	N/A	N/A	N/A	N/A	33.97	07/01/2020
Kayne Anderson - Small Cap Value (net)			6.51	6.51	19.06	N/A	N/A	N/A	N/A	33.08	
Russell 2000 VL			4.36	4.36	28.27	N/A	N/A	N/A	N/A	45.31	
Geneva - Small Cap Growth	8,441,762	11.15	6.28	6.28	13.18	N/A	N/A	N/A	N/A	27.85	07/01/2020
Geneva - Small Cap Growth (net)			6.10	6.10	12.38	N/A	N/A	N/A	N/A	26.94	
Russell 2000 Gr			0.01	0.01	2.83	N/A	N/A	N/A	N/A	26.74	
International Equity											
Delaware - International Value	8,263,865	10.91	1.59	1.59	11.06	9.35	7.25	5.49	6.92	5.62	05/01/2005
Delaware - International Value (net)			1.43	1.43	10.30	8.59	6.48	4.72	6.12	4.79	
MSCI EAFE Net			2.69	2.69	11.26	13.54	9.55	6.76	8.03	5.65	
MSCI EAFE VL Net			1.17	1.17	10.89	7.82	5.34	3.65	5.81	4.00	
Harding Loevner - International Growth	8,282,950	10.94	4.64	4.64	9.81	17.73	12.58	9.23	9.68	6.58	02/01/2008
Harding Loevner - International Growth (net)			4.47	4.47	9.09	16.95	11.80	8.46	8.88	5.78	
MSCI AC World ex US Net			1.82	1.82	7.82	13.18	9.61	6.56	7.28	3.67	



## Asset Allocation & Time Weighted Performance

as of December 31, 2021

	Allocat	tion				Р	erformance(	%)			
	Market Value (\$)	<sup>0</sup> / <sub>0</sub>	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Inception	Inception Date
Fixed Income											
Blackrock - Fixed Income	2,634,639	3.48	-0.65	-0.65	-1.51	3.64	N/A	N/A	N/A	3.44	03/01/2018
Blackrock - Fixed Income (net)			-0.75	-0.75	-1.91	3.20	N/A	N/A	N/A	2.98	
BC Agg Intm Tr			-0.50	-0.50	-1.29	3.60	N/A	N/A	N/A	3.45	
Alternatives											
Ubs - Real Estate	8,581,627	11.33	5.05	5.05	16.23	2.98	4.42	5.99	N/A	7.19	11/01/2012
Ubs - Real Estate (net)			4.72	4.72	14.78	1.69	3.00	4.49	N/A	5.65	
NCREIF Property Idx			6.15	6.15	17.70	8.37	7.76	8.57	N/A	9.31	
Barclays Aggregate			0.01	0.01	-1.54	4.79	3.57	3.00	N/A	2.70	



# City of Gainesville - Retiree Health Fund Asset Allocation & Net Dollar Weighted Performance (IRR)

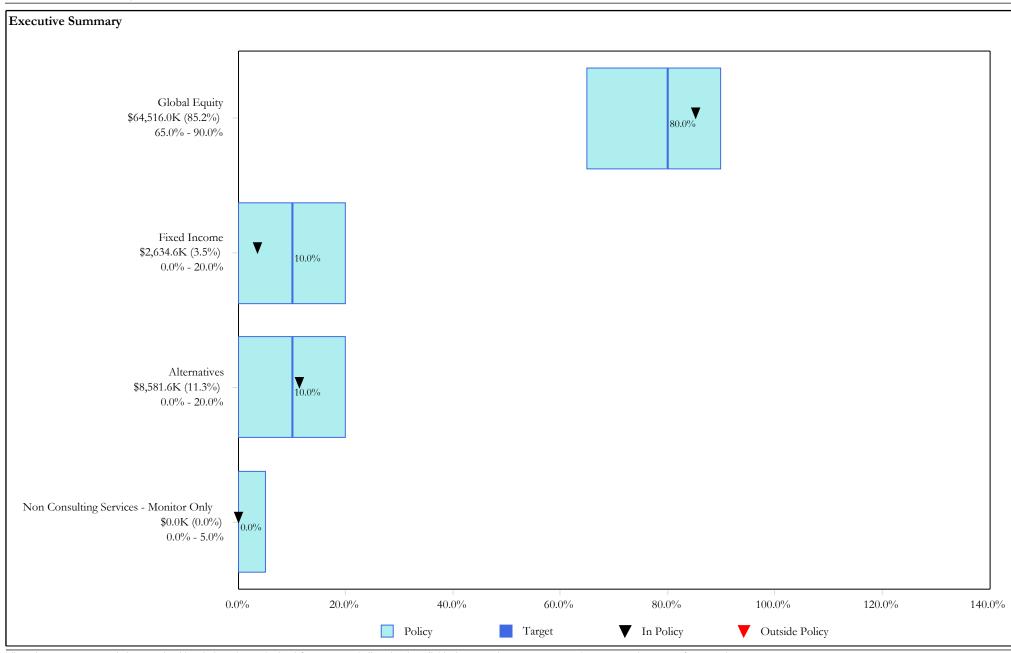
as of December 31, 2021

	0⁄0	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	10 Years
Retiree - Total Fund	100.00	5.75	5.75	17.06	13.77	8.28	7.39	8.58
Domestic Equity								
Columbia - Dividend Income	20.90	10.68	10.68	25.37	16.25	10.07	8.93	10.77
Polen - Large Cap Growth	19.76	5.17	5.17	25.43	N/A	N/A	N/A	N/A
Kayne Anderson - Small Cap Value	11.53	6.51	6.51	18.89	11.50	4.71	4.31	6.81
Geneva - Small Cap Growth	11.15	6.10	6.10	12.73	21.05	13.15	12.25	13.57
International Equity								
Delaware - International Value	10.91	1.43	1.43	9.35	8.29	4.43	3.84	4.69
Harding Loevner - International Growth	10.94	4.47	4.47	9.45	17.19	9.55	8.19	8.51
Fixed Income								
Blackrock - Fixed Income	3.48	-0.75	-0.75	-1.81	3.48	3.01	2.72	2.39
Alternatives								
Ubs - Real Estate	11.33	4.72	4.72	14.78	1.67	2.63	3.30	N/A



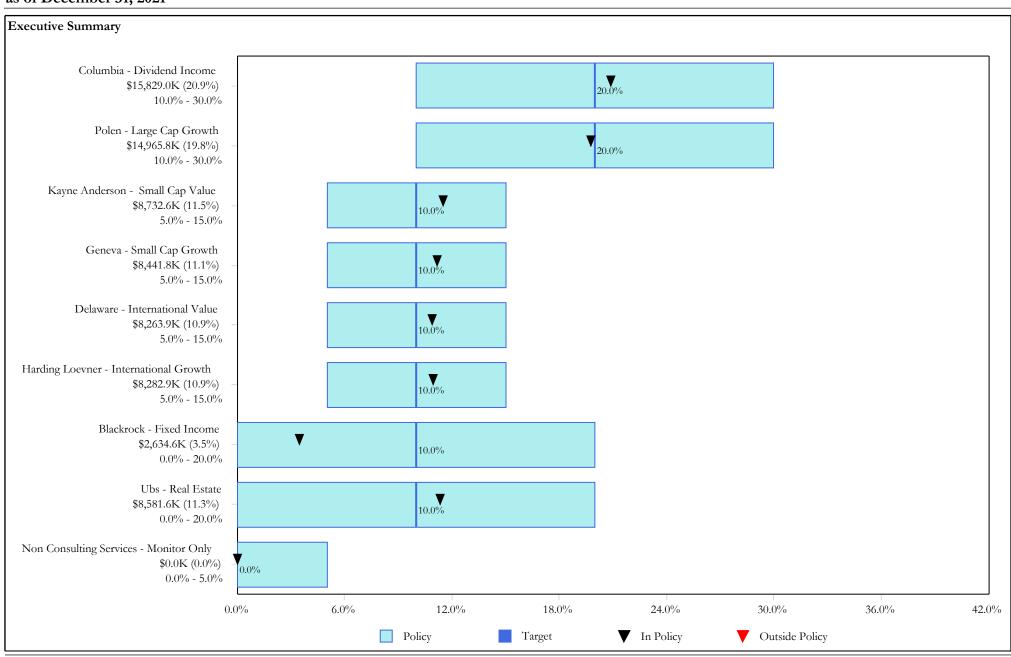
# City of Gainesville Asset Allocation Compliance

as of December 31, 2021





# **City of Gainesville** Asset Allocation Compliance as of December 31, 2021





### Columbia - Dividend Income - Executive Summary

-7

-21

86

1,462

15,829

-7

-21

86

1,462

15,829

2,823

-72

290

2,621

15,829

2,823

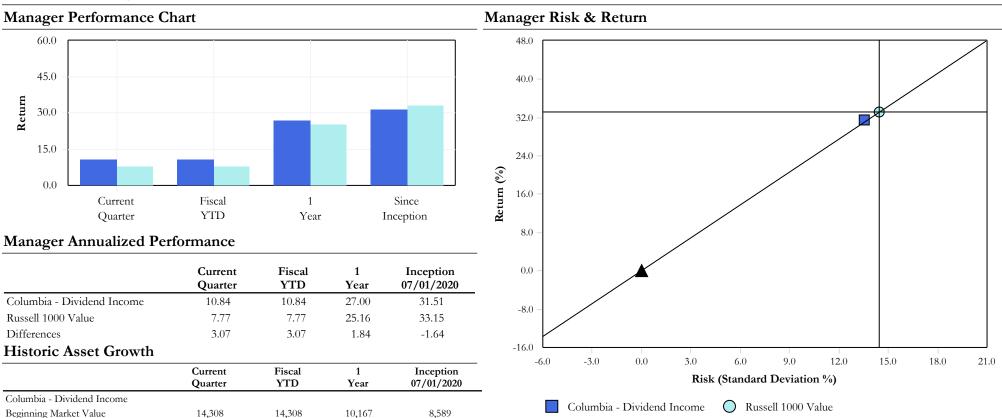
-100

405

4,112

15,829

#### as of December 31, 2021



90-Day T-Bills

#### Modern Portfolio Statistics

Net Contributions

Ending Market Value

Fees/Expenses

Income

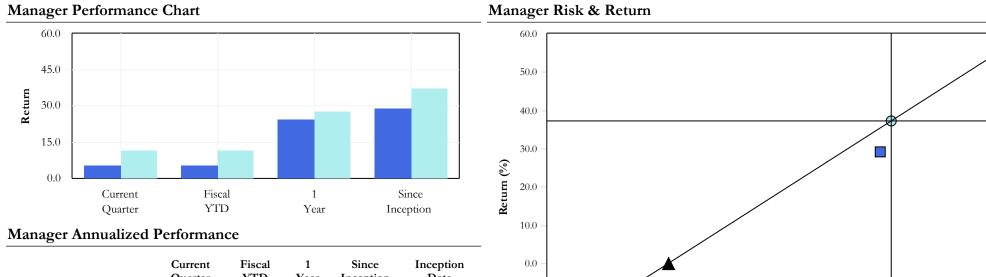
Gain/Loss

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Capture	Down Capture	Alpha	Sharpe Ratio	<b>R-Squared</b>	Inception Date
Columbia - Dividend Income	31.51	13.56	0.90	-4.84	95.82	97.31	1.66	2.10	0.92	07/01/2020
Russell 1000 Value	33.15	14.45	1.00	-3.74	100.00	100.00	0.00	2.07	1.00	07/01/2020



### Polen Large Cap Growth - Executive Summary

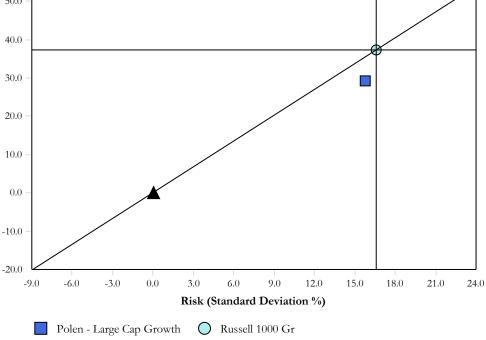
as of December 31, 2021



	Quarter	YTD	I Year	Inception	Date
Polen - Large Cap Growth	5.31	5.31	24.52	29.16	07/01/2020
Russell 1000 Gr	11.64	11.64	27.60	37.20	
Differences	-6.33	-6.33	-3.08	-8.04	
III A A A A A A A A A A A A A A A A A A	1.				

#### Historic Asset Growth

	Current Quarter	Fiscal YTD	1 Year	Since Inception	Inception Date
Polen - Large Cap Growth					07/01/2020
Beginning Market Value	14,230	14,230	14,790	10,859	
Net Contributions	-	-	-3,298	-1,554	
Fees/Expenses	-19	-19	-88	-130	
Income	13	13	61	95	
Gain/Loss	742	742	3,500	5,695	
Ending Market Value	14,966	14,966	14,966	14,966	



90-Day T-Bills

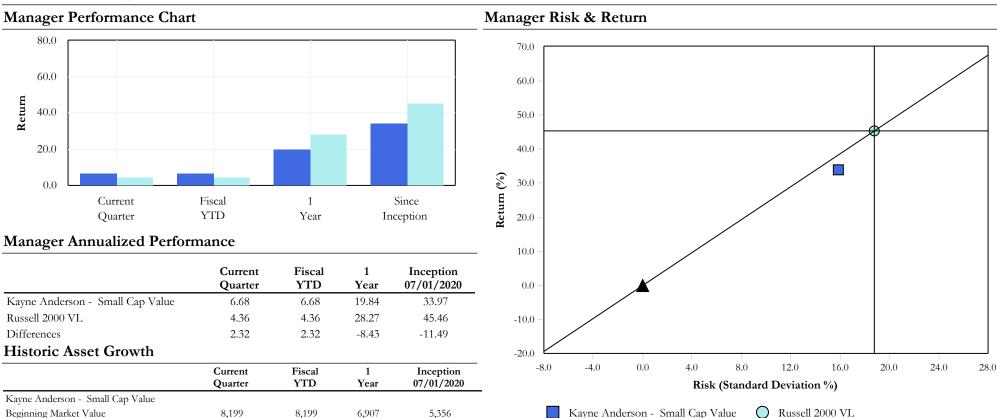
<b>Modern Portfolio Statistics</b>	
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	Return	Standard Deviation	Beta	Maximum Drawdown	Up Capture	Down Capture	Alpha	Sharpe Ratio	<b>R-Squared</b>	Inception Date
Polen - Large Cap Growth	29.16	15.74	0.86	-6.17	80.30	78.51	-1.56	1.72	0.81	07/01/2020
Russell 1000 Gr	37.32	16.58	1.00	-7.94	100.00	100.00	0.00	2.02	1.00	07/01/2020



### Kayne Anderson Small Cap Value - Executive Summary

#### as of December 31, 2021



90-Day T-Bills

#### **Modern Portfolio Statistics**

Net Contributions

Ending Market Value

Fees/Expenses

Income

Gain/Loss

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Capture	Down Capture	Alpha	Sharpe Ratio	<b>R-Squared</b>	Inception Date
Kayne Anderson - Small Cap Value	33.97	15.89	0.75	-6.00	78.81	84.11	1.06	1.94	0.79	07/01/2020
Russell 2000 VL	45.46	18.80	1.00	-4.65	100.00	100.00	0.00	2.11	1.00	07/01/2020

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485

-52

131

1,263

8,733

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-13

43

504

8,733

-

-13

43

504

8,733

485

-72

189

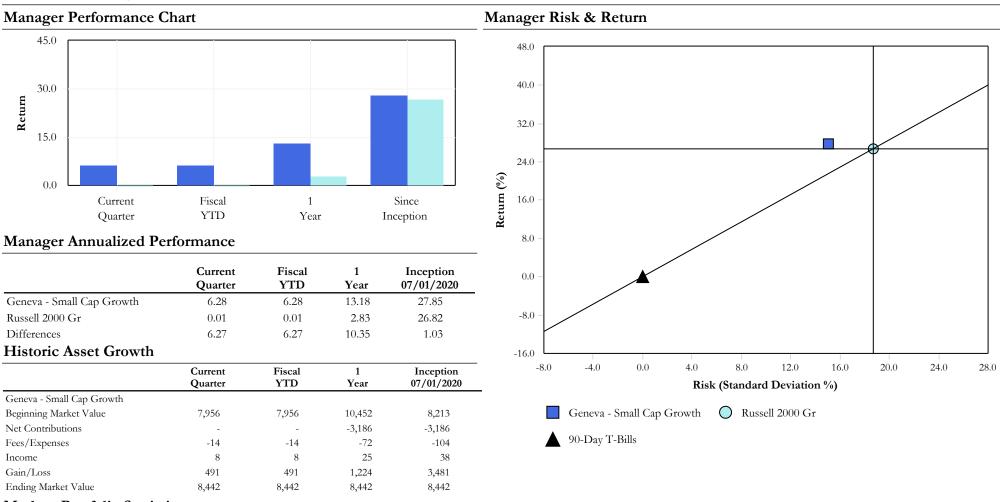
2,774

8,733



### Geneva Small Cap Growth - Executive Summary

#### as of December 31, 2021



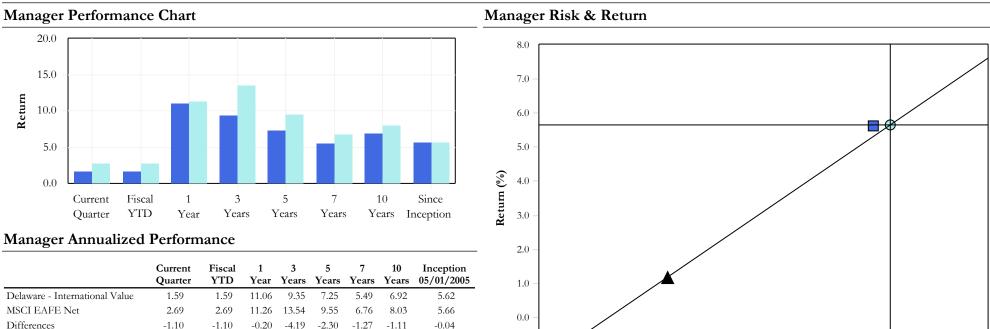
#### **Modern Portfolio Statistics**

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Capture	Down Capture	Alpha	Sharpe Ratio	<b>R-Squared</b>	Inception Date
Geneva - Small Cap Growth	27.85	15.03	0.70	-4.87	89.22	67.06	8.30	1.72	0.75	07/01/2020
Russell 2000 Gr	26.82	18.68	1.00	-6.06	100.00	100.00	0.00	1.37	1.00	07/01/2020



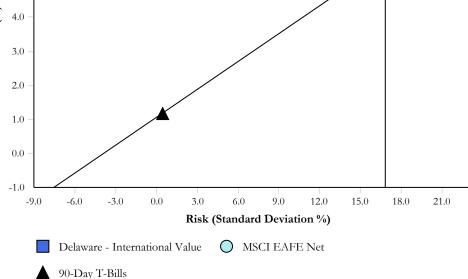
### Delaware International Value - Executive Summary

#### as of December 31, 2021



#### Historic Asset Growth

	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	10 Years	Inception 05/01/2005
Delaware - International Value								
Beginning Market Value	8,148	8,148	6,402	5,515	1,992	2,022	1,288	1,558
Net Contributions	-	-	1,220	1,220	5,093	5,043	5,356	4,219
Fees/Expenses	-13	-13	-50	-133	-183	-214	-253	-360
Income	56	56	249	633	844	957	1,144	1,624
Gain/Loss	74	74	443	1,029	517	455	729	1,224
Ending Market Value	8,264	8,264	8,264	8,264	8,264	8,264	8,264	8,264



#### **Modern Portfolio Statistics**

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Capture	Down Capture	Alpha	Sharpe Ratio	<b>R-Squared</b>	Inception Date
Delaware - International Value	5.62	15.59	0.89	-50.09	92.31	90.75	0.51	0.36	0.92	05/01/2005
MSCI EAFE Net	5.66	16.80	1.00	-56.68	100.00	100.00	0.00	0.34	1.00	05/01/2005

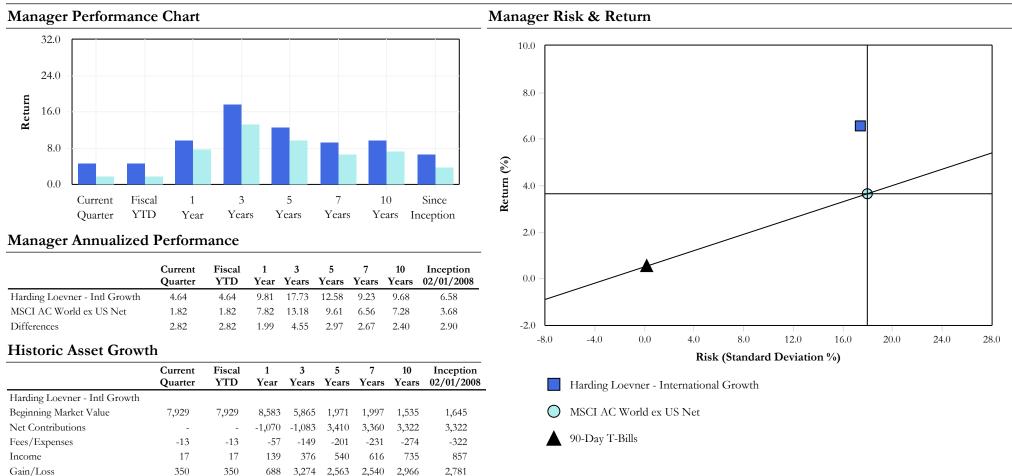
#### The prices, quotes, or statistics contained herein have been obtained from sources believed to be reliable, however, its accuracy cannot be guaranteed. Past performance is not a guarantee of future results.



24.0

#### Harding Loevner International Growth - Executive Summary

as of December 31, 2021



#### **Modern Portfolio Statistics**

8.283

8,283

8,283

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8,283

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8,283

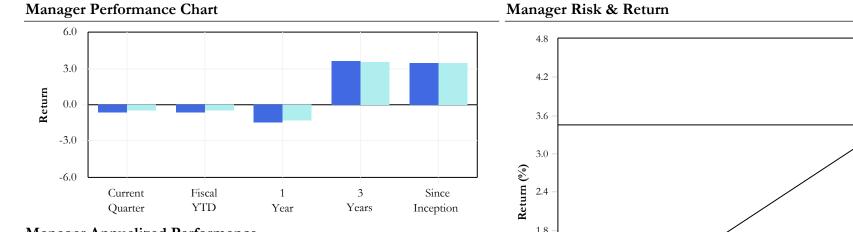
Ending Market Value

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Capture	Down Capture	Alpha	Sharpe Ratio	<b>R-Squared</b>	Inception Date
Harding Loevner - International Growth	6.58	17.41	0.94	-48.93	100.37	87.60	3.02	0.42	0.94	02/01/2008
MSCI AC World ex US Net	3.68	17.99	1.00	-54.00	100.00	100.00	0.00	0.26	1.00	02/01/2008



## Blackrock Fixed Income - Executive Summary

#### as of December 31, 2021

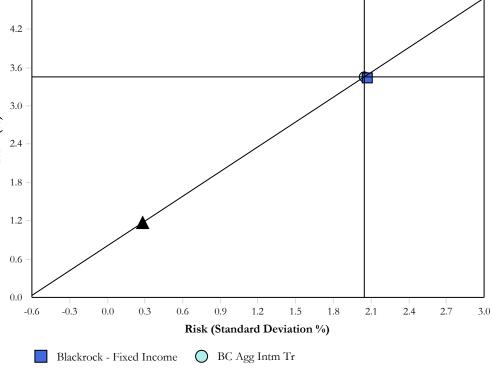


#### Manager Annualized Performance

	Current Quarter	Fiscal YTD	1 Year	3 Years	Inception 03/01/2018
Blackrock - Fixed Income	-0.65	-0.65	-1.51	3.64	3.44
BC Agg Intm Tr	-0.50	-0.50	-1.29	3.60	3.46
Differences	-0.15	-0.15	-0.22	0.04	-0.02
Historia Assat Growt	h				

#### Historic Asset Growth

	Current Quarter	Fiscal YTD	1 Year	3 Years	Inception 03/01/2018
Blackrock - Fixed Income					
Beginning Market Value	2,655	2,655	2,181	2,688	1,231
Net Contributions	-	-	500	-310	1,090
Fees/Expenses	-3	-3	-10	-32	-42
Income	16	16	66	224	279
Gain/Loss	-33	-33	-103	66	76
Ending Market Value	2,635	2,635	2,635	2,635	2,635



#### 90-Day T-Bills

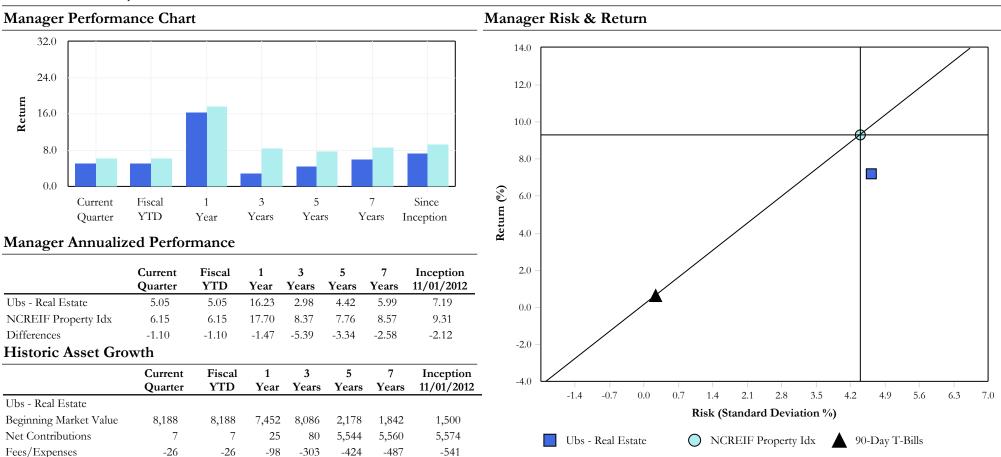
#### **Modern Portfolio Statistics**

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Capture	Down Capture	Alpha	Sharpe Ratio	<b>R-Squared</b>	Inception Date
Blackrock - Fixed Income	3.44	2.07	1.00	-1.57	99.20	98.72	-0.03	1.14	0.98	03/01/2018
BC Agg Intm Tr	3.46	2.05	1.00	-1.61	100.00	100.00	0.00	1.16	1.00	03/01/2018



#### **UBS Private Real Estate - Executive Summary**

as of December 31, 2021



Modern	Portfolio	Statistics	

81

332

8.582

81

332

8,582

229

973

8,582

810

-91

8,582

1,026

257

8,582

1,099

8,582

568

1,099

8,582

949

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Capture	Down Capture	Alpha	Sharpe Ratio	<b>R-Squared</b>	Inception Date
Ubs - Real Estate	7.19	4.62	0.92	-6.69	80.19	244.95	-1.24	1.37	0.77	11/01/2012
NCREIF Property Idx	9.31	4.39	1.00	-0.99	100.00	100.00	0.00	1.89	1.00	11/01/2012

The prices, quotes, or statistics contained herein have been obtained from sources believed to be reliable, however, its accuracy cannot be guaranteed. Past performance is not a guarantee of future results.



Income

Gain/Loss

Ending Market Value

As of February 8, 2022

	Value	% of Total	Current Policy Target	Current Policy Range	Fiscal YTD Return Since 9/30/2021 Dollar Weighted- Net
Columbia/NFJ - LCV	\$15,305,359	21.40%	20.00%	10.00 - 30.00%	7.1%
Polen - LCG	\$13,277,224	18.56%	20.00%	10.00 - 30.00%	-6.7%
Kayne Anderson/Fuller & Thaler - SCV	\$7,944,736	11.11%	10.00%	5.00 - 15.00%	-3.1%
Geneva/RBC - SCG	\$7,410,407	10.36%	10.00%	5.00 - 15.00%	-6.9%
Delaware - Intl Value	\$8,602,929	12.03%	10.00%	5.00 - 15.00%	5.6%
Harding Loevner - Intl Growth	\$7,835,194	10.95%	10.00%	5.00 - 15.00%	-1.2%
Total Equity	\$60,375,848	84.40%	80.00%	65.00 - 90.00%	
Blackrock - Fixed Income	\$2,577,295	3.60%	10.00%	0.00 - 20.00%	-2.9%
UBS*	\$8,581,627	12.00%	10.00%	0.00 - 20.00%	4.7%
Cash	\$0	0.00%	0.00%		0.0%
Total Fund	\$71,534,771	100%	100%		-0.1%

\*UBS Trumbull Fund value and performance are as of 12/31/2021

#### **Dollar-Weighted Returns**

The portfolio returns are calculated on a dollar-weighted basis, accounting for deposits and cash flows upon receipt. The dollar-weighted or internal rate of return - IRR is the actual rate earned by the Fund. The dollar-weighted return is the appropriate measurement to evaluate the fund's performance in relation to the statement of investment policy and guidelines.

The prices, quotes, and statistics contained herein have been obtained from sources believed to be reliable, however, the accuracy cannot be guaranteed.



### **Compliance Checklist**

as of December 31, 2021

GUIDELINES	In Compliance
Equity Portfolio	
Listed on recognized exchange	Yes
Single issue not to exceed 10% at market value for each equity in each separately managed portfolio	Yes
Fixed Income Portfolio	
U.S. Government / Agency or U.S. Corporations	Yes
Bonds rated "BBB" or better	Yes
Single corporate issuer not exceed 10% of bond portfolio (except U.S. Government/Agency)	Yes

The prices, quotes, and statistics contained herein have been obtained from sources believed to be reliable, however, the accuracy cannot be guaranteed.



**Billing Summary** as of December 31, 2021

Columbia - Dividen	d Income								745-125107
Date Billed	Market Value	<u>From</u>	<u>To</u>	<u>\$ GC Fee</u>	<u>% Annual GC Fee</u>	<u> \$ Mgr. Fee</u>	<u>% Annual Mgr. Fee</u>	<u>\$ Total Fee</u>	<u>% Annual Total Fee</u>
12/7/2021	14,877,334.64	12/1/2021	12/31/2021	0.00	0.00%	3,537.95	0.28%	3,537.95	0.28%
11/5/2021	15,232,789.31	11/1/2021	11/30/2021	0.00	0.00%	3,505.63	0.28%	3,505.63	0.28%
10/12/2021	14,289,615.29	10/4/2021	10/11/2021	(1,047.34)	-0.33%	0.00	0.00%	(1,047.34)	-0.33%
10/12/2021	14,289,615.29	10/4/2021	10/11/2021	0.00	0.00%	(876.95)	-0.28%	(876.95)	-0.28%
10/7/2021	14,289,615.29	10/1/2021	12/31/2021	12,044.37	0.33%	0.00	0.00%	12,044.37	0.33%
10/7/2021	14,289,615.29	10/1/2021	10/31/2021	0.00	0.00%	3,398.19	0.28%	3,398.19	0.28%
				10,997.03		9,564.82		20,561.85	
Polen - Large Cap C									745-062197
Date Billed	Market Value	From	<u>To</u>	<u> \$ GC Fee</u>	<u>% Annual GC Fee</u>	<u>\$ Mgr. Fee</u>	<u>% Annual Mgr. Fee</u>	<u>\$ Total Fee</u>	<u>% Annual Total Fee</u>
12/7/2021	14,608,956.02	12/1/2021	12/31/2021	0.00	0.00%	3,101.90	0.25%	3,101.90	0.25%
11/5/2021	15,123,530.23	11/1/2021	11/30/2021	0.00	0.00%	3,107.57	0.25%	3,107.57	0.25%
10/12/2021	14,229,616.40	10/4/2021	10/11/2021	(1,042.94)	-0.33%	0.00	0.00%	(1,042.94)	-0.33%
10/12/2021	14,229,616.40	10/4/2021	10/11/2021	0.00	0.00%	(779.71)	-0.25%	(779.71)	-0.25%
10/7/2021	14,229,616.40	10/1/2021	12/31/2021	11,993.80	0.33%	0.00	0.00%	11,993.80	0.33%
10/7/2021	14,229,616.40	10/1/2021	10/31/2021	0.00	0.00%	3,021.36	0.25%	3,021.36	0.25%
				10,950.86		8,451.12		19,401.98	
Kayne Anderson - S	Small Cap Value								745-125106
Date Billed	Market Value	<u>From</u>	<u>To</u>	<u>\$ GC Fee</u>	<u>% Annual GC Fee</u>	<u> \$ Mgr. Fee</u>	<u>% Annual Mgr. Fee</u>	<u>\$ Total Fee</u>	<u>% Annual Total Fee</u>
12/7/2021	8,342,222.25	12/1/2021	12/31/2021	0.00	0.00%	2,479.81	0.35%	2,479.81	0.35%
11/5/2021	8,610,523.26	11/1/2021	11/30/2021	0.00	0.00%	2,477.00	0.35%	2,477.00	0.35%
10/12/2021	8,192,633.08	10/4/2021	10/11/2021	(600.47)	-0.33%	0.00	0.00%	(600.47)	-0.33%
10/12/2021	8,192,633.08	10/4/2021	10/11/2021	0.00	0.00%	(628.47)	-0.35%	(628.47)	-0.35%
10/7/2021	8,192,633.08	10/1/2021	12/31/2021	6,905.37	0.33%	0.00	0.00%	6,905.37	0.33%
10/7/2021	8,192,633.08	10/1/2021	10/31/2021	0.00	0.00%	2,435.34	0.35%	2,435.34	0.35%
				6,304.90		6,763.68		13,068.58	
Geneva - Small Cap									745-125108
Date Billed	Market Value	<u>From</u>	<u>To</u>	<u>\$ GC Fee</u>	<u>% Annual GC Fee</u>	<u> \$ Mgr. Fee</u>	<u>% Annual Mgr. Fee</u>	<u>\$ Total Fee</u>	<u>% Annual Total Fee</u>
12/7/2021	8,095,276.25	12/1/2021	12/31/2021	0.00	0.00%	2,750.18	0.40%	2,750.18	0.40%
11/5/2021	8,388,725.10	11/1/2021	11/30/2021	0.00	0.00%	2,757.94	0.40%	2,757.94	0.40%
10/12/2021	7,952,788.64	10/4/2021	10/11/2021	(582.89)	-0.33%	0.00	0.00%	(582.89)	-0.33%
10/12/2021	7,952,788.64	10/4/2021	10/11/2021	0.00	0.00%	(697.23)	-0.40%	(697.23)	-0.40%
10/7/2021	7,952,788.64	10/1/2021	12/31/2021	6,703.21	0.33%	0.00	0.00%	6,703.21	0.33%
10/7/2021	7,952,788.64	10/1/2021	10/31/2021	0.00	0.00%	2,701.77	0.40%	2,701.77	0.40%
				6,120.32		7,512.66		13,632.98	

# City of Gainesville Retiree Health Fund Billing Summary

as of December 31, 2021

Dela	ware - Internat									745-125111
	Date Billed	Market Value	<u>From</u>	<u>To</u>	<u> \$ GC Fee</u>	<u>% Annual GC Fee</u>	<u>\$ Mgr. Fee</u>	<u>% Annual Mgr. Fee</u>	<u>\$ Total Fee</u>	<u>% Annual Total Fee</u>
	12/7/2021	7,858,569.41	12/1/2021	12/31/2021	0.00	0.00%	2,536.27	0.38%	2,536.27	0.38%
	11/5/2021	8,302,173.88	11/1/2021	11/30/2021	0.00	0.00%	2,593.01	0.38%	2,593.01	0.38%
	10/12/2021	8,118,653.39	10/4/2021	10/11/2021	(595.05)	-0.33%	0.00	0.00%	(595.05)	-0.33%
	10/12/2021	8,118,653.39	10/4/2021	10/11/2021	0.00	0.00%	(676.18)	-0.38%	(676.18)	-0.38%
	10/7/2021	8,118,653.39	10/1/2021	12/31/2021	6,843.02	0.33%	0.00	0.00%	6,843.02	0.33%
	10/7/2021	8,118,653.39	10/1/2021	10/31/2021	0.00	0.00%	2,620.21	0.38%	2,620.21	0.38%
					6,247.97		7,073.31		13,321.28	
Hare		nternational Gro	owth							745-125400
	Date Billed	Market Value	<u>From</u>	<u>To</u>	<u> \$ GC Fee</u>	<u>% Annual GC Fee</u>	<u>\$ Mgr. Fee</u>	<u>% Annual Mgr. Fee</u>	<u>\$ Total Fee</u>	<u>% Annual Total Fee</u>
	12/7/2021	7,925,723.46	12/1/2021	12/31/2021	0.00	0.00%	2,356.00	0.35%	2,356.00	0.35%
	11/5/2021	8,274,057.28	11/1/2021	11/30/2021	0.00	0.00%	2,380.21	0.35%	2,380.21	0.35%
	10/12/2021	7,923,508.34	10/4/2021	10/11/2021	(580.74)	-0.33%	0.00	0.00%	(580.74)	-0.33%
	10/12/2021	7,923,508.34	10/4/2021	10/11/2021	0.00	0.00%	(607.83)	-0.35%	(607.83)	-0.35%
	10/7/2021	7,923,508.34	10/1/2021	12/31/2021	6,678.53	0.33%	0.00	0.00%	6,678.53	0.33%
	10/7/2021	7,923,508.34	10/1/2021	10/31/2021	0.00	0.00%	2,355.34	0.35%	2,355.34	0.35%
					6,097.79		6,483.72		12,581.51	
Blac	kRock - Fixed I	ncome								745-125105
	Date Billed	Market Value	From	<u>To</u>	<u> \$ GC Fee</u>	<u>% Annual GC Fee</u>	<u>\$ Mgr. Fee</u>	<u>% Annual Mgr. Fee</u>	\$ Total Fee	<u>% Annual Total Fee</u>
	11/15/2021	2,642,189.28	10/1/2021	12/31/2021	0.00	0.00%	660.55	0.10%	660.55	0.10%
	10/12/2021	2,654,672.14	10/4/2021	10/11/2021	(194.57)	-0.33%	0.00	0.00%	(194.57)	-0.33%
	10/7/2021	2,654,672.14	10/1/2021	12/31/2021	2,237.56	0.33%	0.00	0.00%	2,237.56	0.33%
					2,042.99		660.55		2,703.54	
Tota	al - Traditional M	lanagers								
	Date Billed	Market Value	<u>From</u>	<u>To</u>	<u> \$ GC Fee</u>	<u>% Annual GC Fee</u>	<u>\$ Mgr. Fee</u>	<u>% Annual Mgr. Fee</u>	<u>\$ Total Fee</u>	<u>% Annual Total Fee</u>
	12/7/2021	61,708,082.03	12/1/2021	12/31/2021	0.00	0.00%	16,762.11	0.32%	16,762.11	0.32%
	11/15/2021	2,642,189.28	10/1/2021	12/31/2021	0.00	0.00%	660.55	0.10%	660.55	0.10%
	11/5/2021	63,931,799.06	11/1/2021	11/30/2021	0.00	0.00%	16,821.36	0.32%	16,821.36	0.32%
	10/12/2021	63,361,487.28	10/4/2021	10/11/2021	(4,644.00)	-0.33%	0.00	0.00%	(4,644.00)	-0.33%
	10/12/2021	60,706,815.14	10/4/2021	10/11/2021	0.00	0.00%	(4,266.37)	-0.32%	(4,266.37)	-0.32%
	10/7/2021	63,361,487.28	10/1/2021	12/31/2021	53,405.86	0.33%	0.00	0.00%	53,405.86	0.33%
	10/7/2021	60,706,815.14	10/1/2021	10/31/2021	0.00	0.00%	16,532.21	0.32%	16,532.21	0.32%
					48,761.86		46,509.86		95,271.72	



UBS - Real Estate									745-038522
Date Billed	Market Value	<u>From</u>	<u>To</u>	<u> \$ GC Fee</u>	<u>% Annual GC Fee</u>	<u>\$ Mgr. Fee</u>	<u>% Annual Mgr. Fee</u>	<u>\$ Total Fee</u>	<u>% Annual Total Fee</u>
12/31/2021	8,188,163.04	10/1/2021	12/31/2021	0.00	0.00%	19,133.08	0.93%	19,133.08	0.93%
10/7/2021	7,727,030.54	10/1/2021	12/31/2021	6,512.93	0.33%	0.00	0.00%	6,512.93	0.33%
				6,512.93		19,133.08		25,646.01	
<b>Total - All Managers</b>	S								
Date Billed	<u>\$ GC Fee</u>	<u>\$ Mgr. Fee</u>	\$ Total Fee						
4th Quarter 2021	55,274.79	65,642.94	120,917.73						



## City of Gainesville Policy Index History As of December 31, 2021

Policy Index	Weight (%)	Policy Index	Weight (%)
May-2005		Oct-2012	
BC Agg Intm Tr	30.00	BC Agg Intm Tr	10.00
MSCI EAFE Net	18.00	MSCI EAFE Net	9.00
Russell 1000 Gr	17.00	Russell 1000 Gr	17.00
Russell 1000 Value	17.00	Russell 1000 Value	17.00
Russell 2000	11.00	Russell 2000 VL	11.00
Russell Midcap Growth	7.00	Russell 2000 Gr	7.00
		MSCI AC World ex US Net	9.00
Feb-2008	20.00	HFRI FOF Conservative	10.00
BC Agg Intm Tr	30.00	NCREIF Property Idx	10.00
MSCI EAFE Net	9.00	0	
Russell 1000 Gr	17.00	Oct-2013	F 00
Russell 1000 Value	17.00	BC Agg Intm Tr	5.00
Russell 2000 VL	11.00	MSCI EAFE Net	10.00
Russell 2000 Gr	7.00	Russell 1000 Gr	12.50
MSCI AC World ex US Net	9.00	Russell 1000 Value	12.50
ul-2008		Russell 2000 VL	10.00
BC Agg Intm Tr	20.00	Russell 2000 Gr	10.00
MSCI EAFE Net	9.00	MSCI AC World ex US Net	10.00
Russell 1000 Gr	17.00	HFRI FOF Conservative	10.00
Russell 1000 Value	17.00	NCREIF Property Idx	10.00
Russell 2000 VL	11.00	60% S&P 500 / 40% CBOE	10.00
Russell 2000 Gr	7.00	Dec-2015	
MSCI AC World ex US Net	9.00	BC Agg Intm Tr	5.00
HFRI FOF Conservative	10.00	MSCI EAFE Net	10.00
	10.00	Russell 1000 Gr	12.50
		Russell 1000 Value	12.50
		Russell 2000 VL	10.00
		Russell 2000 Gr	10.00
		MSCI AC World ex US Net	10.00
		HFRI FOF Conservative	0.00
		NCREIF Property Idx	10.00
		Alerian MLP Index	10.00
		60% S&P 500 / 40% CBOE	10.00



## City of Gainesville Policy Index History As of December 31, 2021

Policy Index	Weight (%)
Oct-2020	
BC Agg Intm Tr	5.00
MSCI EAFE Net	10.00
Russell 1000 Gr	17.50
Russell 1000 Value	17.50
Russell 2000 VL	10.00
Russell 2000 Gr	10.00
MSCI AC World ex US Net	10.00
HFRI FOF Conservative	0.00
NCREIF Property Idx	10.00
90-Day T-Bills	10.00
S&P 500 Total Return	0.00
Sep-2021	
BC Agg Intm Tr	10.00
MSCI EAFE Net	10.00
Russell 1000 Gr	20.00
Russell 1000 Value	20.00
Russell 2000 VL	10.00
Russell 2000 Gr	10.00
MSCI AC World ex US Net	10.00
HFRI FOF Conservative	0.00
NCREIF Property Idx	10.00



# **Performance** Appendix

Performance Data below is net of fees. Please see the Morgan Stanley Smith Barney LLC Form ADV Part 2 Brochure for advisory accounts and/or any applicable brokerage account trade confirmation statements for a full disclosure of the applicable charges, fees and expenses. Your Financial Advisor will provide those documents to you upon request.

Account Name	QTD	YTD	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Blackrock - Fixed Income	-0.75	-1.91	-1.91	3.20	2.20	1.48	2.81	04/07/2005
Columbia - Dividend Income	10.68	26.25	26.25	16.26	10.43	10.90	7.27	04/07/2005
Delaware - International Value	1.43	10.30	10.30	8.59	6.48	6.12	4.52	04/07/2005
Geneva - Small Cap Growth	6.10	12.38	12.38	20.63	13.13	13.87	10.45	04/07/2005
Harding Loevner - International Growth	4.47	9.09	9.09	16.95	11.80	8.88	5.41	01/09/2008
Kayne Anderson - Small Cap Value	6.51	19.06	19.06	11.50	5.68	7.79	7.03	04/07/2005
Polen - Large Cap Growth	5.17	23.82	23.82				26.77	06/30/2020
Ubs - Real Estate	4.72	14.78	14.78	1.69	3.00		5.60	10/01/2012

All performance above are Time Weighted(TWR) performance

#### **Glossary of Terms**

Active Contribution Return: The gain or loss percentage of an investment relative to the performance of the investment benchmark.

Active Exposure: The percentage difference in weight of the portfolio compared to its policy benchmark.

Active Return: Arithmetic difference between the manager's return and the benchmark's return over a specified time period.

Actual Correlation: A measure of the correlation (linear dependence) between two variables X and Y, with a value between +1 and -1 inclusive. This is also referred to as coefficient of correlation.

**Alpha**: A measure of a portfolio's time weighted return in excess of the market's return, both adjusted for risk. A positive alpha indicates that the portfolio outperformed the market on a risk-adjusted basis, and a negative alpha indicates the portfolio did worse than the market.

Best Quarter: The highest quarterly return for a certain time period.

**Beta**: A measure of the sensitivity of a portfolio's time weighted return (net of fees) against that of the market. A beta greater than 1.00 indicates volatility greater than the market.

**Consistency**: The percentage of quarters that a product achieved a rate of return higher than that of its benchmark. The higher the consistency figure, the more value a manager has contributed to the product's performance.

**Core:** Refers to an investment strategy mandate that is blend of growth and value styles without a pronounced tilt toward either style.

Cumulative Selection Return (*Cumulative Return*): Cumulative investment performance over a specified period of time.

**Distribution Rate:** The most recent distribution paid, annualized, and then divided by the current market price. Distribution rate may consist of investment income, short-term capital gains, long-term capital gains, and/or return of capital.

**Down Market Capture:** The ratio of average portfolio returns over the benchmark during periods of negative benchmark return. Lower values indicate better product performance.

**Downside Risk:** A measure similar to standard deviation, but focuses only on the negative movements of the return series. It is calculated by taking the standard deviation of the negative quarterly set of returns. The higher the value, the more risk the product has.

**Downside Semi Deviation:** A statistical calculation that measures the volatility of returns below a minimum acceptable return. This return measure isolates the negative portion of volatility: the larger the number, the greater the volatility.

**Drawdown:** A drawdown is the peak-to-trough decline during a specific period of an investment, fund or commodity.

**Excess over Benchmark:** The percentage gain or loss of an investment relative to the investment's benchmark.

**Excess Return:** Arithmetic difference between the manager's return and the risk-free return over a specified time period.

**Growth**: A diversified investment strategy which includes investment selections that have capital appreciation as the primary goal, with little or no dividend payouts. These strategies can include reinvestment in expansion, acquisitions, and/or research and development opportunities.

**Growth of Dollar:** The aggregate amount an investment has gained or lost over a certain time period, also referred to as Cumulative Return, stated in terms of the amount to which an initial dollar investment would have grown over the given time period.

**Investment Decision Process (IDP):** A model for structuring the investment process and implementing the correct attribution methodologies. The IDP includes every decision made concerning the division of the assets under management over the various asset categories. To analyze each decision's contribution to the total return, a modeling approach must measure the marginal value of every individual decision. In this respect, the hierarchy of the decisions becomes very important. We therefore use the IDP model, which serves as a proper foundation for registering the decisions and relating them to each other.

**Information Ratio:** Measured by dividing the active rate of return by the tracking error. The higher the Information Ratio, the more value-added contribution by the manager.

Jensen's Alpha: The Jensen's alpha measure is a risk-adjusted performance measure that represents the average return on a portfolio or investment above or below that predicted by the capital asset pricing model (CAPM) given the portfolio's or investment's beta and the average market return. This metric is also commonly referred to as alpha.

**Kurtosis:** A statistical measure that is used to describe the distribution, or skewness, of observed data around the mean, sometimes referred to as the volatility of volatility.

**Maximum Drawdown:** The drawdown is defined as the percent retrenchment from a fund's peak to the fund's trough value. It is in effect from the time the fund's retrenchment begins until a new fund high is reached. The maximum drawdown encompasses both the period from the fund's peak to the fund's valley (length), and the time from the fund's valley to a new fund high (recovery). It measures the largest percentage drawdown that has occurred in any fund's data record.

**Modern Portfolio Theory (MPT):** An investment analysis theory on how risk-averse investors can construct portfolios to optimize or maximize expected return based on a given level of market risk, emphasizing that risk is an inherent part of higher reward.

Mutual Fund (MF): An investment program funded by shareholders that trade in diversified holdings and is professionally managed.

**Peer Group:** A combination of funds that share the same investment style combined as a group for comparison purposes.

Peer/ Plan Sponsor Universe: A combination of asset pools of total plan investments by specific sponsor and plan types for comparison purposes.

**Performance Ineligible Assets**: Performance returns are not calculated for certain assets because accurate valuations and transaction data for these assets are not processed or maintained by us. Common examples of these include life insurance, some annuities and some assets held externally.

**Performance Statistics**: A generic term for various measures of investment performance measurement terms.

Portfolio Characteristics: A generic term for various measures of investment portfolio characteristics.

**Preferred Return:** A term used in the private equity (PE) world, and also referred to as a "Hurdle Rate." It refers to the threshold return that the limited partners of a private equity fund must receive, prior to the PE

firm receiving its carried interest or "carry."

**Ratio of Cumulative Wealth:** A defined ratio of the Cumulative Return of the portfolio divided by the Cumulative Return of the benchmark for a certain time period.

**Regression Based Analysis:** A statistical process for estimating the relationships among variables. It includes many techniques for modeling and analyzing several variables, when the focus is on the relationship between a dependent variable and one or more independent variables

**Residual Correlation:** Within returns-based style analysis, residual correlation refers to the portion of a strategy's return pattern that cannot be explained by its correlation to the asset-class benchmarks to which it is being compared.

Return: A rate of investment performance for the specified period.

**Rolling Percentile Ranking:** A measure of an investment portfolio's ranking versus a peer group for a specific rolling time period (i.e. Last 3 Years, Last 5 years, etc.).

**R-Squared:** The percentage of a portfolio's performance explained by the behavior of the appropriate benchmark. High R-Squared means a higher correlation of the portfolio's performance to the appropriate benchmark.

SA/CF (Separate Account/Comingled Fund): Represents an acronym for Separate Account and Commingled Fund investment vehicles.

Sector Benchmark: A market index that serves as a proxy for a sector within an asset class.

**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 the absolute rate of return per unit of risk. The higher the value, the better the product's historical risk-adjusted performance results in.

**Standard Deviation:** A statistical measure of the range of a portfolio's performance; the variability of a return around its average return over a specified time period.

Total Fund Benchmark: The policy benchmark for a complete asset pool that could consist of multiple investment mandates.

Total Fund Composite: The aggregate of multiple portfolios within an asset pool or household.

**Tracking Error:** A measure of standard deviation for a portfolio's investment performance, relative to the performance of an appropriate market benchmark.

**Treynor Ratio**: A ratio that divides the excess return (above the risk free rate) by the portfolio's beta to arrive at a unified measure of risk adjusted return. It is generally used to rank portfolios, funds and benchmarks. A higher ratio is indicative of higher returns per unit of market risk. This measurement can help determine if the portfolio is reaching its goal of increasing returns while managing market risk.

**Up Market Capture:** The ratio of average portfolio returns over the benchmark during periods of positive benchmark return. Higher values indicate better product performance.

**Upside Semi Deviation:** A statistical calculation that measures the volatility of returns above an acceptable return. This return measure isolates the positive portion of volatility: the larger the number, the greater the volatility.

Value: A diversified investment strategy that includes investment selections which tend to trade at a lower price relative to its dividends, earnings, and sales. Common attributes are stocks that include high dividend, low price-to-book ratio, and/or low price-to-earnings ratio.

Worst Quarter: The lowest rolling quarterly return for a certain time period.

#### **Information Disclosures**

Performance results are annualized for time periods greater than one year and include all cash and cash equivalents, realized and unrealized capital gains and losses, and dividends, interest and income. The investment results depicted herein represent historical performance. As a result of recent market activity, current performance may vary from the figures shown. Past performance is not a guarantee of future results.

Please see the Morgan Stanley Smith Barney LLC Form ADV Part 2 Brochure for advisory accounts and/or any applicable brokerage account trade confirmation statements for a full disclosure of the applicable charges, fees and expenses. Your Financial Advisor will provide those documents to you upon request.

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The performance data shown reflects past performance, which does not guarantee future results. Investment return and principal will fluctuate so that an investor's shares when redeemed may be worth more or less than original cost. Please note, current performance may be higher or lower than the performance data shown. For up to date month-end performance information, please contact your Financial Advisor or visit the funds' company website.

Investors should carefully consider the fund's investment objectives, risks, charges and expenses before investing. The prospectus and, if available the summary prospectus, contains this and other information that should be read carefully before investing. Investors should review the information in the prospectus carefully. To obtain a prospectus, please contact your Financial Advisor or visit the funds' company website.

Past performance is no guarantee of future results.

Investing involves market risk, including possible loss of principal. **Growth investing** does not guarantee a profit or eliminate risk. The stocks of these companies can have relatively high valuations. Because of these high valuations, an investment in a growth stock can be more risky than an investment in a company with more modest growth expectations. **Value investing** involves the risk that the market may not recognize that securities are undervalued and they may not appreciate as anticipated. **Small and mid-capitalization companies** may lack the financial resources, product diversification and competitive strengths of larger companies. The securities of small capitalization companies may not trade as readily as, and be subject to higher volatility than those of larger, more established companies. **Bond funds** and bond holdings have the same interest rate, inflation and credit risks that are associated with the underlying bonds owned by the funds. The return of principal in bond funds, and in funds with significant bond holdings, is not guaranteed. **International securities'** prices may carry additional risks, including foreign economic, political, monetary and/or legal factors, changing currency exchange rates, foreign taxes and differences in financial and accounting standards. International investing may not be for everyone. These risks may be magnified in emerging markets. **Alternative investments**, including private equity funds, real estate funds, hedge funds,

managed futures funds, and funds of hedge funds, private equity, and managed futures funds, are speculative and entail significant risks that can include losses due to leveraging or\other speculative investment practices, lack of liquidity, volatility of returns, restrictions on transferring interests in a fund, potential lack of diversification, absence and/or delay of information regarding valuations and pricing, complex tax structures and delays in tax reporting, less regulation and higher fees than mutual funds and risks associated with the operations, personnel and processes of the advisor. Master Limited Partnerships (MLPs) are limited partnerships or limited liability companies that are taxed as partnerships and whose interests (limited partnership units or limited liability company units) are traded on securities exchanges like shares of common stock. Currently, most MLPs operate in the energy, natural resources or real estate sectors. Investments in MLP interests are subject to the risks generally applicable to companies in the energy and natural resources sectors, including commodity pricing risk, supply and demand risk, depletion risk and exploration risk; and MLP interests in the real estate sector are subject to special risks, including interest rate and property value fluctuations, as well as risks related to general and economic conditions. Because of their narrow focus, MLPs maintain exposure to price volatility of commodities and/or underlying assets and tend to be more volatile than investments that diversify across many sectors and companies. MLPs are also subject to additional risks including: investors having limited control and rights to vote on matters affecting the MLP, limited access to capital, cash flow risk, lack of liquidity, dilution risk, conflict of interests, and limited call rights related to acquisitions.

**Mortgage backed securities** also involve prepayment risk, in that faster or slower prepayments than expected on underlying mortgage loans can dramatically alter the yield-to-maturity of a mortgage-backed security and prepayment risk includes the possibility that a fund may invest the proceeds at generally lower interest rates.

Tax managed funds may not meet their objective of being tax-efficient.

**Real estate** investments are subject to special risks, including interest rate and property value fluctuations, as well as risks related to general and economic conditions. **High yield** fixed income securities, also known as "junk bonds", are considered speculative, involve greater risk of default and tend to be more volatile than investment grade fixed income securities.

Credit quality is a measure of a bond issuer's creditworthiness, or ability to repay interest and principal to bondholders in a timely manner. The credit ratings shown are based on security rating as provided by Standard & Poor's, Moody's and/or Fitch, as applicable. Credit ratings are issued by the rating agencies for the underlying securities in the fund and not the fund itself, and the credit quality of the securities in the fund does not represent the stability or safety of the fund. Credit ratings shown range from AAA, being the highest, to D, being the lowest based on S&P and Fitch's classification (the equivalent of Aaa and C, respectively, by Moody(s). Ratings of BBB or higher by S&P and Fitch (Baa or higher by Moody's) are considered to be investment grade-quality securities. If two or more of the agencies have assigned different ratings to a security, the highest rating is applied. Securities that are not rated by all three agencies are listed as "NR".

"Alpha tilt strategies comprise a core holding of stocks that mimic a benchmark type index such as the S&P 500 to which additional securities are added to help tilt the fund toward potentially outperforming the market in an effort to enhance overall investment returns. Tilt strategies are subject to significant timing risk and could potentially expose investors to extended periods of underperformance."

**Custom Account Index:** The Custom Account Index is an investment benchmark based on your historical target allocations and/or manager selection that you may use to evaluate the performance of your account. The Custom Account index does take into consideration certain changes that may have occurred in your portfolio since the inception of your account, i.e., asset class and/or manager changes. However, in some

circumstances, it may not be an appropriate benchmark for use with your specific account composition. For detailed report of the historical composition of this blend please contact your Financial Advisor.

#### Peer Groups

Peer Groups are a collection of similar investment strategies that essentially group investment products that share the same investment approach. Peer Groups are used for comparison purposes to compare and illustrate a clients investment portfolio versus its peer across various quantitative metrics like performance and risk. Peer Group comparison is conceptually another form of benchmark comparison whereby the actual investment can be ranked versus its peer across various quantitative metrics.

All Peer Group data are provided by Investment Metrics, LLC.

The URL below provides all the definitions and methodology about the various Peer Groups

https://www.invmetrics.com/style-peer-groups

#### Peer Group Ranking Methodology

A percentile rank denotes the value of a product in which a certain percent of observations fall within a peer group. The range of percentile rankings is between 1 and 100, where 1 represents a high statistical value and 100 represents a low statistical value.

The 30th percentile, for example, is the value in which 30% of the highest observations may be found, the 65th percentile is the value in which 65% of the highest observations may be found, and so on.

Percentile rankings are calculated based on a normalized distribution ranging from 1 to 100 for all products in each peer group, where a ranking of 1 denotes a high statistical value and a ranking of 100 denotes a low statistical value. It is important to note that the same ranking methodology applies to all statistics, implying that a ranking of 1 will always mean highest value across all statistics.

For example, consider a risk/return assessment using standard deviation as a measure of risk. A percentile ranking equal to 1 for return denotes highest return, whereas a percentile ranking of 1 for standard deviation denotes highest risk among peers.

In addition, values may be used to demonstrate quartile rankings. For example, the third quartile is also known as the 75th percentile, and the median is the 50th percentile.

#### Alternatives

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For most investment advisory clients, the program account will be charged an asset-based wrap fee every quarter ("the Fee"). In general, the Fee covers investment advisory services and reporting. In addition to the Fee, clients will pay the fees and expenses of any funds in which their account is invested. Fund fees and expenses are charged directly to the pool of assets the fund invests in and impact the valuations. Clients must understand that these fees and expenses are an additional cost and will not be included in the Fee amount in the account statements.

As fees are deducted quarterly, the compounding effect will be to increase the impact of the fees by an amount directly related to the gross account performance. For example, for an account with an initial value of \$100,000 and a 2.5% annual fee, if the gross performance is 5% per year over a three year period, the compounding effect of the fees will result in a net annual compound rate of return of approximately 2.40% per year over a three year period, and the total value of the client's portfolio at the end of the three year period would be approximately \$115,762.50 without the fees and \$107,372.63 with the fees. Please see the applicable Morgan Stanley Smith Barney LLC Form ADV Part 2A for more information including a description of the fee schedule. It is available at <a href="http://www.morganstanley.com/ADV">www.morganstanley.com/ADV</a> <a href="http://www.morganstanley.com/ADV">http://www.morganstanley.com/ADV</a> <a href="http://www.morganstanley.com/ADV">http://www.morganstanley.c

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#### **Money Market Funds**

You could lose money in Money Market Funds. Although MMFs classified as government funds (i.e., MMFs that invest 99.5% of total assets in cash and/or securities backed by the U.S government) and retail funds (i.e., MMFs open to natural person investors only) seek to preserve value at \$1.00 per share, they cannot guarantee they will do so. The price of other MMFs will fluctuate and when you sell shares they may be worth more or less than originally paid. MMFs may impose a fee upon sale or temporarily suspend sales if liquidity falls below required minimums. During suspensions, shares would not be available for purchases, withdrawals, check writing or ATM debits. A MMF investment is not insured or guaranteed by the Federal Deposit Insurance Corporation or other government agency.