

# City of Marco Island Firefighters' Pension

Quarterly Performance Summary

As of December 31, 2020

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# City of Marco Island Firefighters' Pension

## Capital Markets Returns

as of December 31, 2020

U.S. Equity Market % Returns for the Period Ending December 31, 2020						
	Quarter	Year to Date	12 Months	Three Years (annualized)	Five Years (annualized)	Seven Years (annualized)
S&P 500 Index	12.15	18.40	18.40	14.18	15.22	12.92
Dow Jones Industrial Average	10.73	9.72	9.72	9.90	14.65	11.81
Russell 3000 Index	14.68	20.89	20.89	14.49	15.43	12.76
Russell 3000 Value Index	17.22	2.88	2.88	5.89	9.74	8.05
Russell 3000 Growth Index	12.41	38.26	38.26	22.50	20.67	17.12
Russell 1000 Index	13.69	20.96	20.96	14.82	15.60	13.04
Russell 1000 Value Index	16.25	2.80	2.80	6.07	9.74	8.20
Russell 1000 Growth Index	11.39	38.49	38.49	22.99	21.00	17.53
Russell Midcap Index	19.91	17.10	17.10	11.61	13.40	10.96
Russell Midcap Value Index	20.43	4.96	4.96	5.37	9.73	8.22
Russell Midcap Growth Index	19.02	35.59	35.59	20.50	18.66	14.79
Russell 2000 Index	31.37	19.96	19.96	10.25	13.26	9.34
Russell 2000 Value Index	33.36	4.64	4.64	3.72	9.65	6.25
Russell 2000 Growth Index	29.61	34.63	34.63	16.19	16.36	12.08

S&P 500 Sector % Returns for the Period Ending December 31, 2020	
	Quarter
Energy	27.77
Financials	23.22
Industrials	15.68
Materials	14.47
Communication Services	13.82
Technology	11.81
Consumer Discretionary	8.04
Health Care	8.03
Utilities	6.54
Consumer Staples	6.35
Real Estate	4.94

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

# City of Marco Island Firefighters' Pension

## Capital Markets Returns

as of December 31, 2020

Developed Markets Equity % Returns for the Period Ending December 31, 2020										
	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
<b><u>Regional and Other Multi-Country Indices</u></b>										
MSCI EAFE	16.05	7.81	7.81	4.28	7.45	11.40	1.28	1.28	3.48	6.32
MSCI Europe	15.61	5.38	5.38	3.55	6.78	10.31	(1.71)	(1.71)	3.28	6.22
MSCI Far East	15.43	12.84	12.84	5.68	8.86	13.17	7.92	7.92	3.10	6.06
MSCI Pacific ex. Japan	20.07	6.55	6.55	4.20	8.96	14.32	0.40	0.40	4.31	8.04
MSCI The World	14.07	16.50	16.50	11.15	12.82	13.35	14.95	14.95	N/A	N/A
MSCI World ex. U.S.	15.85	7.59	7.59	4.22	7.64	11.16	1.57	1.57	3.62	6.52
<b><u>National Indices</u></b>										
MSCI Hong Kong	15.46	5.83	5.83	2.48	8.43	15.51	5.35	5.35	2.22	8.44
MSCI Ireland	13.01	15.50	15.50	6.14	5.73	8.31	5.97	5.97	5.48	4.63
MSCI Japan	15.29	14.91	14.91	6.45	9.04	12.79	9.17	9.17	3.40	5.75
MSCI Singapore	18.88	(7.40)	(7.40)	(1.16)	5.85	15.09	(8.99)	(8.99)	(1.53)	4.38
<b><u>Emerging Markets Equity % Returns for the Period Ending December 31, 2020</u></b>										
	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
<b><u>Regional and Other Multi-Country Indices</u></b>										
MSCI EM	19.77	18.69	18.69	6.56	13.22	16.09	19.50	19.50	8.53	13.02
<b><u>National Indices</u></b>										
MSCI China	11.21	29.67	29.67	9.22	15.25	10.67	28.27	28.27	8.78	15.13
MSCI Malaysia	10.08	3.66	3.66	(1.53)	2.79	6.56	1.94	1.94	(1.73)	1.45
MSCI Taiwan	23.21	42.02	42.02	21.55	22.51	19.53	33.12	33.12	19.25	18.75
MSCI Thailand	25.48	(11.44)	(11.44)	(2.69)	9.57	25.48	(11.44)	(11.44)	(2.69)	9.57

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# City of Marco Island Firefighters' Pension

## Capital Markets Returns

as of December 31, 2020

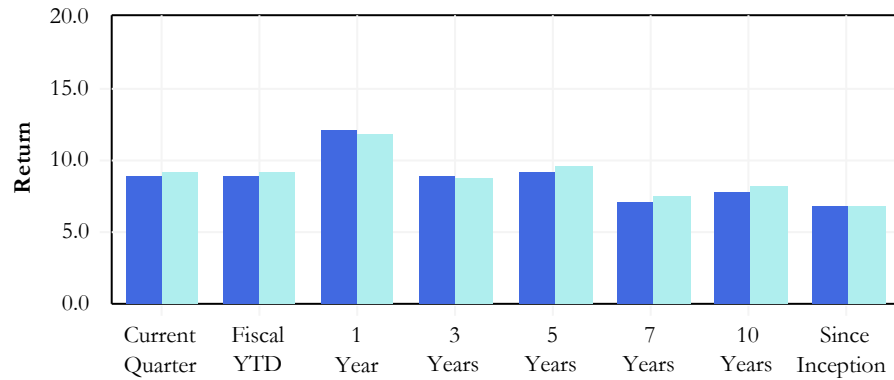
Fixed Income % Returns for the Period Ending December 31, 2020						
	Quarter	Year to Date	12 Months	Three Years (annualized)	Five Years (annualized)	Ten Years (annualized)
<b><u>U.S. Fixed Income</u></b>						
90-Day T-Bills	0.03	0.58	0.58	1.56	1.16	0.60
Barclays Aggregate	0.67	7.51	7.51	5.34	4.44	3.84
Barclays Credit	2.79	9.35	9.35	6.80	6.44	5.40
Barclays Govt/Credit	0.82	8.93	8.93	5.97	4.98	4.19
Barclays Government	(0.79)	7.94	7.94	5.17	3.76	3.26
Barclays High Yield	6.44	7.05	7.05	6.21	8.57	6.79
Barclays Intermediate Govt/Credit	0.48	6.44	6.44	4.67	3.64	3.11
Barclays Long Govt/Credit	1.68	16.12	16.12	9.80	9.35	8.16
Barclays Mortgage Backed	0.25	3.87	3.87	3.71	3.05	3.01
Barclays Municipal	1.82	5.21	5.21	4.64	3.91	4.63
<b><u>Global Fixed Income</u></b>						
Merrill Lynch Global High Yield	7.52	8.04	8.04	5.90	8.48	6.63
Barclays Global Treasury ex. US	5.07	11.30	11.30	4.66	5.28	2.40
Barclays Capital Majors ex. U.S.	4.25	9.59	9.59	4.39	4.78	1.65

# City of Marco Island Firefighters' Pension

## Total Fund - Executive Summary

as of December 31, 2020

### Manager Performance Chart



### Manager Annualized Performance

	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	10 Years	Inception 01/01/2002
Total Fund	8.85	8.85	12.09	8.88	9.23	7.08	7.74	6.75
Policy Index	9.21	9.21	11.84	8.71	9.63	7.54	8.25	6.79
Differences	-0.36	-0.36	0.25	0.17	-0.40	-0.46	-0.51	-0.04

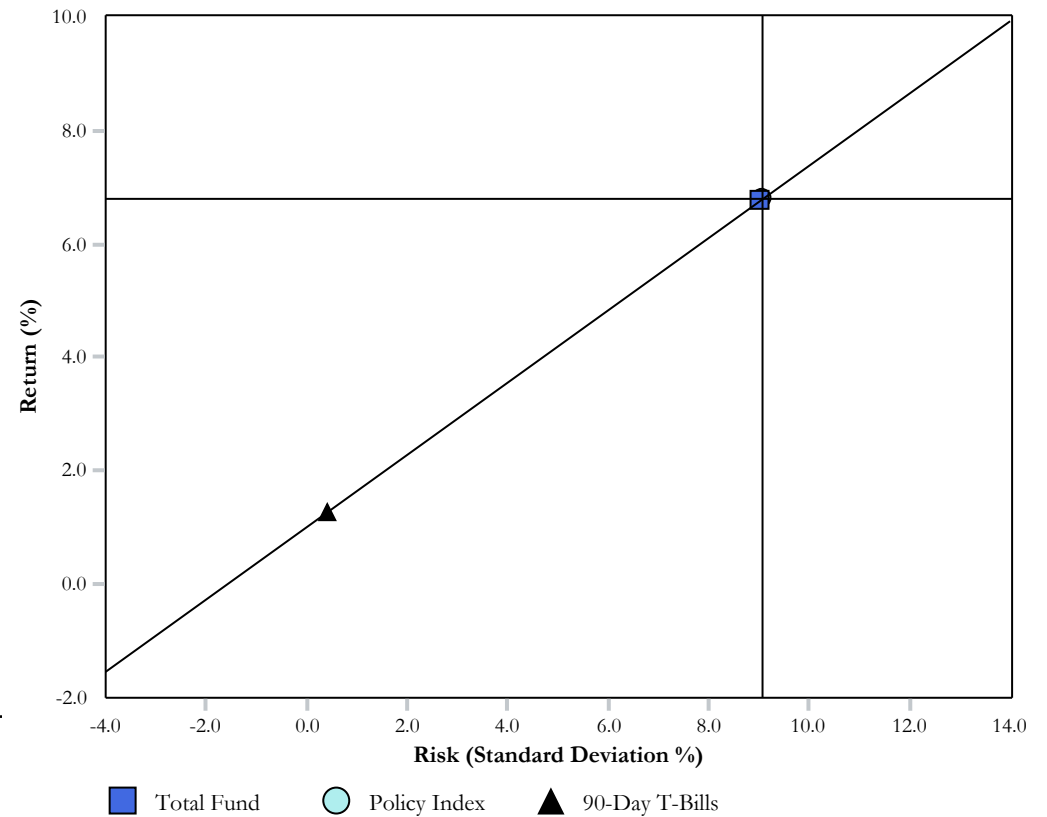
### Historic Asset Growth

	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	10 Years	Inception 01/01/2002
Total Fund								
Beginning Market Value	24,783	24,783	23,626	18,972	13,462	9,907	5,607	318
Net Contributions	717	717	1,292	3,227	5,936	9,308	11,700	15,825
Fees/Expenses	-48	-48	-184	-522	-770	-978	-1,182	-1,371
Income	101	101	407	1,186	1,728	2,092	2,575	3,082
Gain/Loss	2,146	2,146	2,557	4,835	7,343	7,370	8,998	9,844
Ending Market Value	27,699	27,699	27,699	27,699	27,699	27,699	27,699	27,699

### Modern Portfolio Statistics

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Capture	Down Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
Total Fund	6.75	9.04	0.98	-30.98	99.73	99.99	0.11	0.63	0.96	01/01/2002
Policy Index	6.79	9.08	1.00	-33.74	100.00	100.00	0.00	0.63	1.00	01/01/2002

### Manager Risk & Return



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**City of Marco Island Firefighters' Pension**  
**Asset Allocation & Time Weighted Performance**  
**as of December 31, 2020**

	Allocation		Performance(%)								
	Market Value (\$)	%	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Inception	Inception Date
<b>Total Fund</b>	<b>27,698,558</b>	<b>100.00</b>	<b>8.85</b>	<b>8.85</b>	<b>12.09</b>	<b>8.88</b>	<b>9.23</b>	<b>7.08</b>	<b>7.74</b>	<b>6.75</b>	<b>01/01/2002</b>
Total Fund (net)			8.64	8.64	11.22	8.01	8.35	6.18	6.80	5.76	
Policy Index			9.21	9.21	11.84	8.71	9.63	7.54	8.25	6.79	
Absolute Return 7.0%			1.70	1.70	6.99	6.99	6.99	6.99	6.99	6.99	
<b>Domestic Equity</b>											
BlackRock - Large Cap Value	4,236,725	15.30	17.09	17.09	3.67	7.26	10.74	8.93	N/A	10.82	09/01/2012
BlackRock - Large Cap Value (net)			16.87	16.87	2.92	6.46	9.89	8.04	N/A	9.91	
Russell 1000 Value			16.25	16.25	2.80	6.07	9.74	8.20	N/A	11.13	
Clearbridge - Large Cap Growth	4,651,296	16.79	8.83	8.83	32.08	N/A	N/A	N/A	N/A	19.53	09/01/2018
Clearbridge - Large Cap Growth (net)			8.63	8.63	31.11	N/A	N/A	N/A	N/A	18.68	
Russell 1000 Gr			11.39	11.39	38.49	N/A	N/A	N/A	N/A	22.20	
Connors - Large Cap Core	2,824,301	10.20	12.83	12.83	13.63	11.47	12.21	N/A	N/A	10.79	04/01/2014
Connors - Large Cap Core (net)			12.62	12.62	12.79	10.63	11.33	N/A	N/A	9.90	
60% S&P / 40% CBOE			10.29	10.29	9.59	9.37	11.22	N/A	N/A	9.95	
Anchor - Mid Cap Value	1,384,461	5.00	13.13	13.13	1.01	8.72	N/A	N/A	N/A	11.73	03/01/2016
Anchor - Mid Cap Value (net)			12.92	12.92	0.25	7.89	N/A	N/A	N/A	10.87	
Russell Midcap Value			20.43	20.43	4.96	5.37	N/A	N/A	N/A	11.21	
Wells - SMID Cap Growth	1,931,942	6.97	25.88	25.88	60.75	28.20	24.36	16.92	17.85	16.88	10/01/2008
Wells - SMID Cap Growth (net)			25.62	25.62	59.38	27.09	23.26	15.83	16.72	15.74	
Russell 2500 GR			25.89	25.89	40.47	19.91	18.68	14.09	15.00	14.63	
<b>International Equity</b>											
Cambiar - International Value	1,373,353	4.96	13.73	13.73	0.94	N/A	N/A	N/A	N/A	1.23	09/01/2018
Cambiar - International Value (net)			13.50	13.50	0.13	N/A	N/A	N/A	N/A	0.44	
MSCI EAFE Net			16.05	16.05	7.81	N/A	N/A	N/A	N/A	6.58	
MSCI EAFE VL Net			19.20	19.20	-2.63	N/A	N/A	N/A	N/A	0.80	

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# City of Marco Island Firefighters' Pension

## Asset Allocation & Time Weighted Performance

as of December 31, 2020

	Allocation		Performance(%)								
	Market Value (\$)	%	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Inception	Inception Date
Harding Loevner - International Growth	1,461,283	5.28	14.93	14.93	20.62	8.56	11.24	7.65	7.47	11.58	04/01/2009
Harding Loevner - International Growth (net)			14.70	14.70	19.66	7.67	10.31	6.69	6.48	10.55	
MSCI AC World ex US Net			17.01	17.01	10.65	4.88	8.93	4.82	4.92	9.30	
<b>Fixed Income</b>											
BlackRock - Short Duration	7,853,499	28.35	0.19	0.19	3.22	2.90	2.12	N/A	N/A	1.75	05/01/2014
BlackRock - Short Duration (net)			0.02	0.02	2.51	2.18	1.38	N/A	N/A	0.99	
Marco Island Fixed Index			0.05	0.05	3.10	2.74	1.90	N/A	N/A	1.56	
<b>Alternatives</b>											
American Core Realty - Private Real Estate	1,832,553	6.62	0.70	0.70	0.40	5.14	N/A	N/A	N/A	5.49	07/01/2017
American Core Realty - Private Real Estate (net)			0.42	0.42	-0.94	3.55	N/A	N/A	N/A	3.69	
NCREIF Property Idx			1.15	1.15	1.61	4.89	N/A	N/A	N/A	5.22	
Barclays Aggregate			0.67	0.67	7.51	5.34	N/A	N/A	N/A	4.92	

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**City of Marco Island Firefighters' Pension**  
**Asset Allocation & Dollar Weighted Performance (IRR)**  
**as of December 31, 2020**

	%	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Inception	Inception Date
<b>Total Fund</b>	100.00	8.70	8.70	11.51	8.29	8.59	6.82	7.24	6.92	12/31/2001
<b>Domestic Equity</b>										
BlackRock - Large Cap Value	15.30	16.87	16.87	3.52	7.08	10.25	9.02	N/A	10.79	08/31/2012
Clearbridge - Large Cap Growth	16.79	8.63	8.63	31.01	N/A	N/A	N/A	N/A	19.12	08/31/2018
Connors - Large Cap Core	10.20	12.62	12.62	12.75	10.80	11.44	N/A	N/A	10.27	03/31/2014
Anchor - Mid Cap Value	5.00	12.92	12.92	0.58	7.87	N/A	N/A	N/A	10.51	02/29/2016
Wells - SMID Cap Growth	6.98	25.62	25.62	58.72	27.33	23.51	17.11	17.85	17.61	09/30/2008
<b>International Equity</b>										
Cambiar - International Value	4.96	13.42	13.42	1.79	N/A	N/A	N/A	N/A	0.96	08/31/2018
Harding Loevner - International Growth	5.28	14.70	14.70	19.60	7.59	9.94	7.49	7.52	9.52	03/31/2009
<b>Fixed Income</b>										
BlackRock - Short Duration	28.35	0.03	0.03	2.44	2.21	1.45	N/A	N/A	1.02	04/30/2014
<b>Alternatives</b>										
American Core Realty - Private Real Estate	6.62	0.42	0.42	-0.92	3.61	N/A	N/A	N/A	3.68	06/15/2017
<b>Cash &amp; Equivalents</b>										
Cash	0.54	0.00	0.00	0.10	0.71	0.30	0.26	0.24	0.44	12/31/2001

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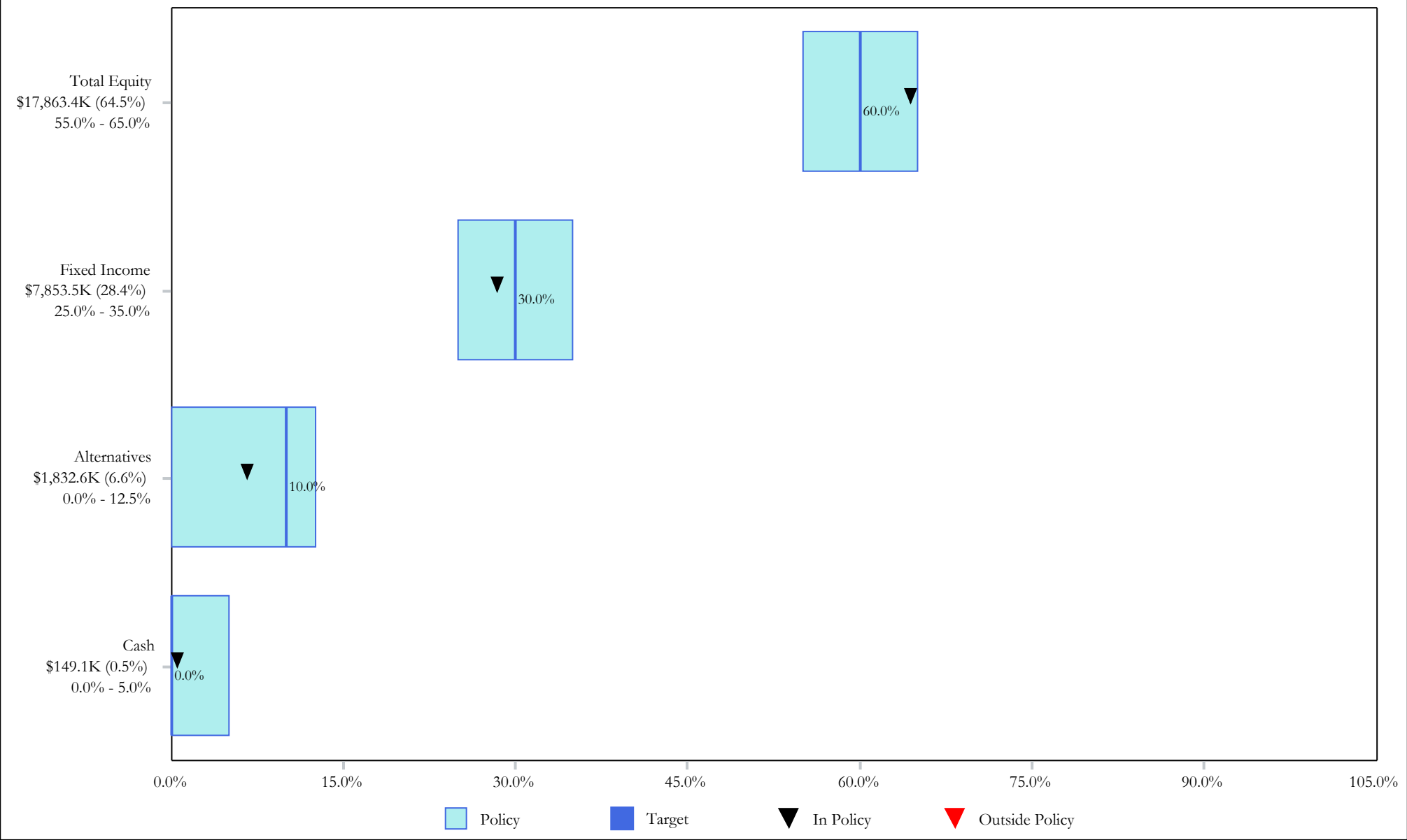


# City of Marco Island Firefighters' Pension

## Asset Allocation Compliance

as of December 31, 2020

### Executive Summary



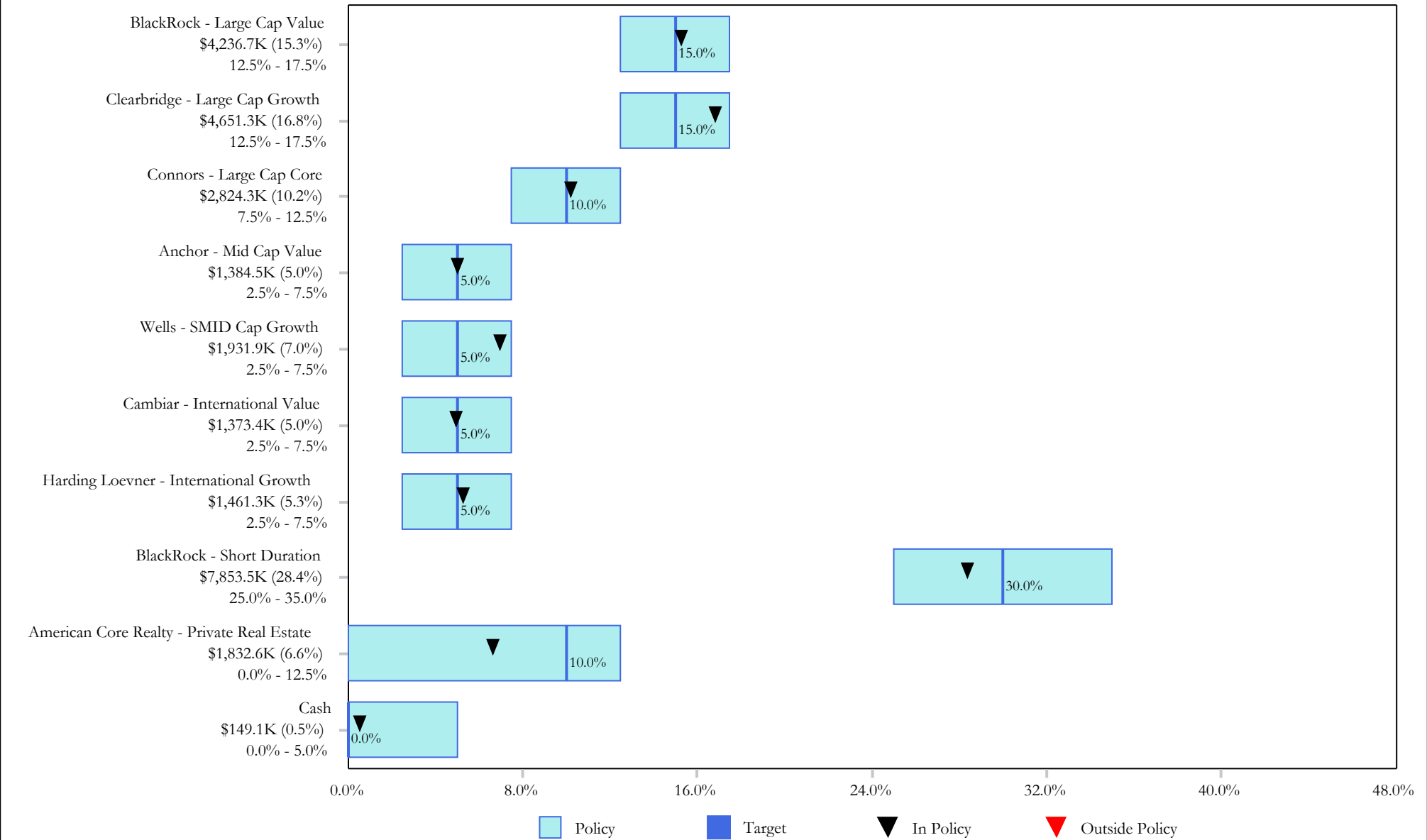
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# City of Marco Island Firefighters' Pension

## Asset Allocation Compliance

as of December 31, 2020

### Executive Summary



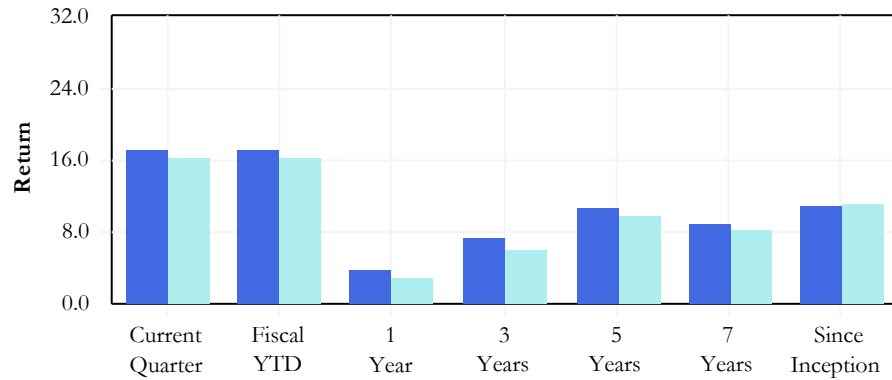
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# City of Marco Island Firefighters' Pension

## BlackRock - Large Cap Value - Executive Summary

as of December 31, 2020

### Manager Performance Chart



### Manager Annualized Performance

	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	Inception 09/01/2012
BlackRock - Large Cap Value	17.09	17.09	3.67	7.26	10.74	8.93	10.82
Russell 1000 Value	16.25	16.25	2.80	6.07	9.74	8.20	11.14
Differences	0.84	0.84	0.87	1.19	1.00	0.73	-0.32

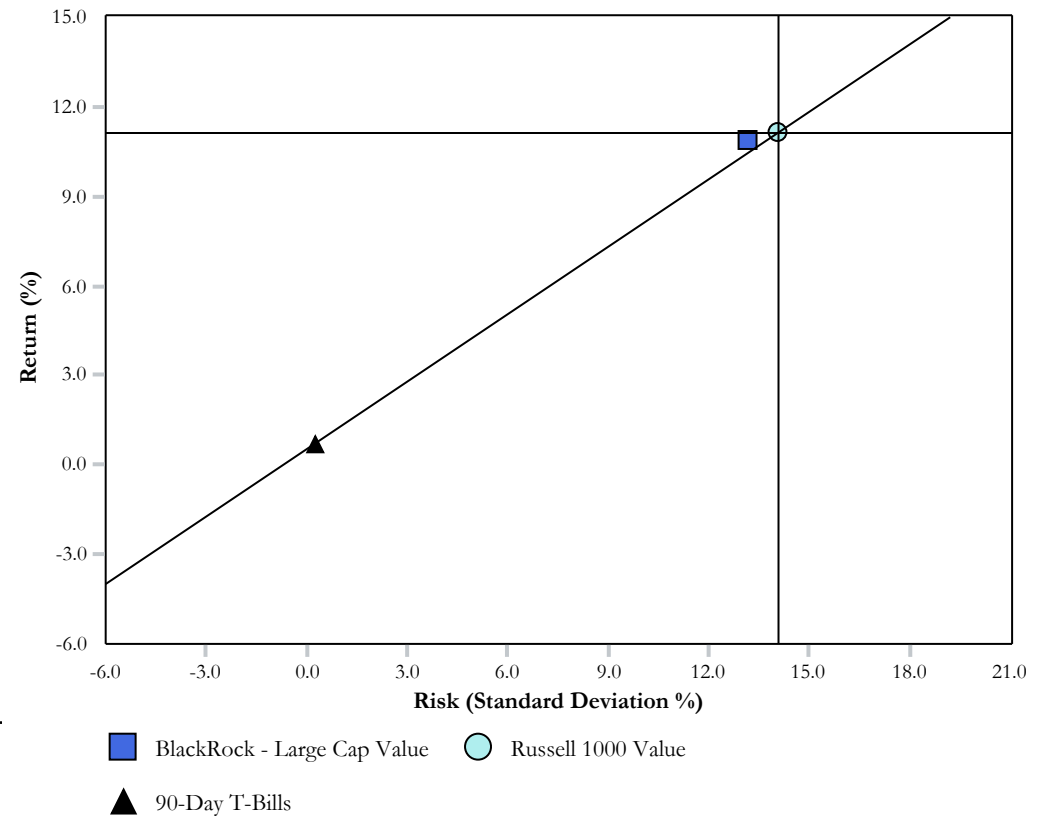
### Historic Asset Growth

	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	Inception 09/01/2012
BlackRock - Large Cap Value	3,625	3,625	3,896	3,345	1,351	2,012	1,399
Beginning Market Value	-	-	200	126	1,321	583	772
Net Contributions	-7	-7	-26	-78	-121	-144	-165
Fees/Expenses	23	23	91	301	439	503	572
Income	596	596	75	543	1,246	1,283	1,659
Gain/Loss	4,237	4,237	4,237	4,237	4,237	4,237	4,237
Ending Market Value							

### Modern Portfolio Statistics

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Capture	Down Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
BlackRock - Large Cap Value	10.82	13.21	0.92	-24.42	93.28	90.37	0.49	0.79	0.97	09/01/2012
Russell 1000 Value	11.14	14.08	1.00	-26.73	100.00	100.00	0.00	0.77	1.00	09/01/2012

### Manager Risk & Return



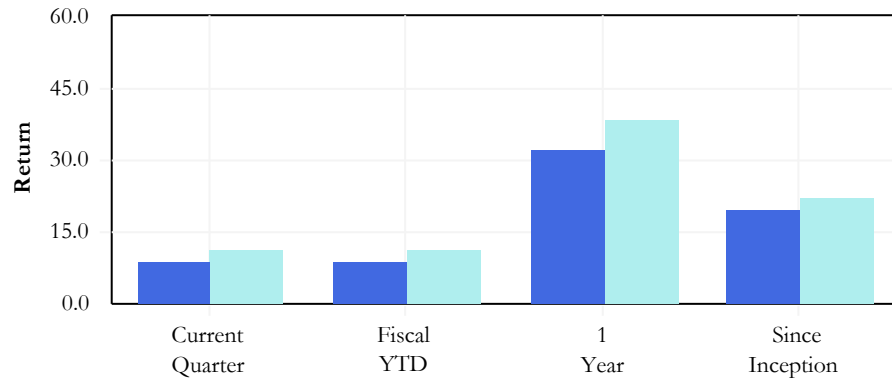
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# City of Marco Island Firefighters' Pension

## Clearbridge - LCG - Executive Summary

as of December 31, 2020

### Manager Performance Chart



### Manager Annualized Performance

	Current Quarter	Fiscal YTD	1 Year	Inception 09/01/2018
Clearbridge - Large Cap Growth	8.83	8.83	32.08	19.53
Russell 1000 Gr	11.39	11.39	38.49	22.24
Differences	-2.56	-2.56	-6.41	-2.71

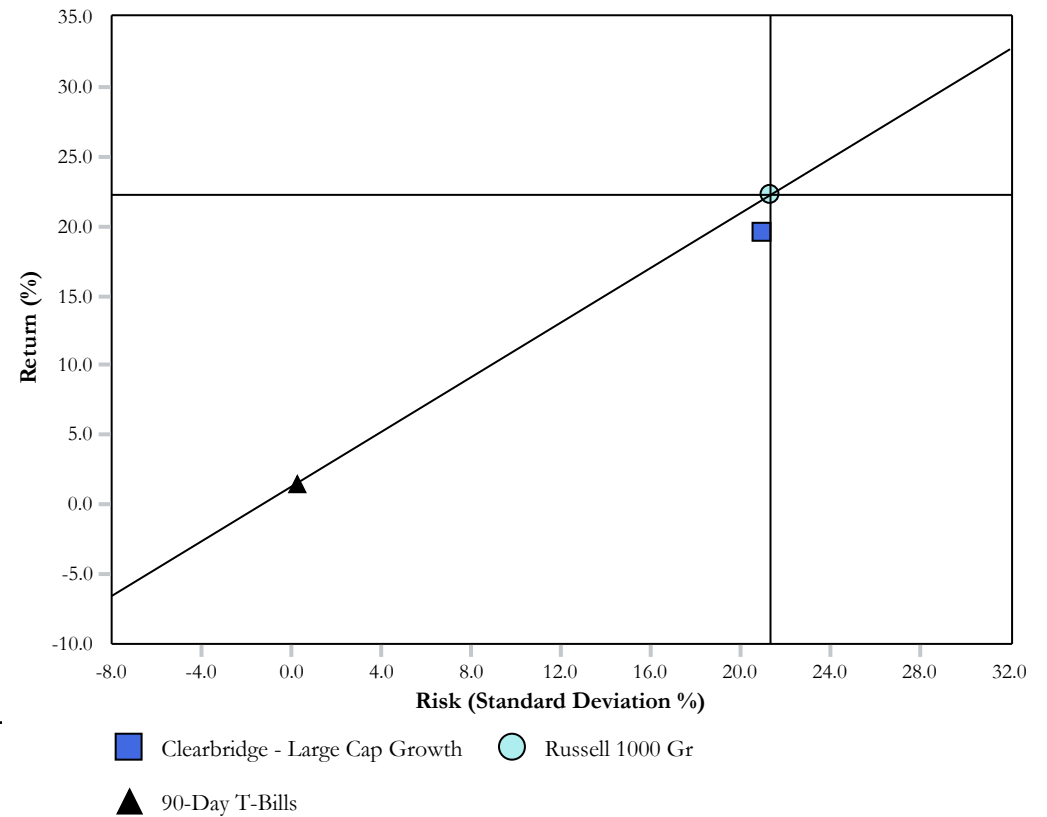
### Historic Asset Growth

	Current Quarter	Fiscal YTD	1 Year	Inception 09/01/2018
Clearbridge - Large Cap Growth				
Beginning Market Value	4,282	4,282	3,886	3,357
Net Contributions	-	-	-400	-410
Fees/Expenses	-8	-8	-30	-63
Income	10	10	35	92
Gain/Loss	368	368	1,160	1,674
Ending Market Value	4,651	4,651	4,651	4,651

### Modern Portfolio Statistics

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Capture	Down Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
Clearbridge - Large Cap Growth	19.53	20.99	0.97	-15.48	95.18	101.18	-1.74	0.89	0.98	09/01/2018
Russell 1000 Gr	22.24	21.36	1.00	-15.98	100.00	100.00	0.00	0.98	1.00	09/01/2018

### Manager Risk & Return



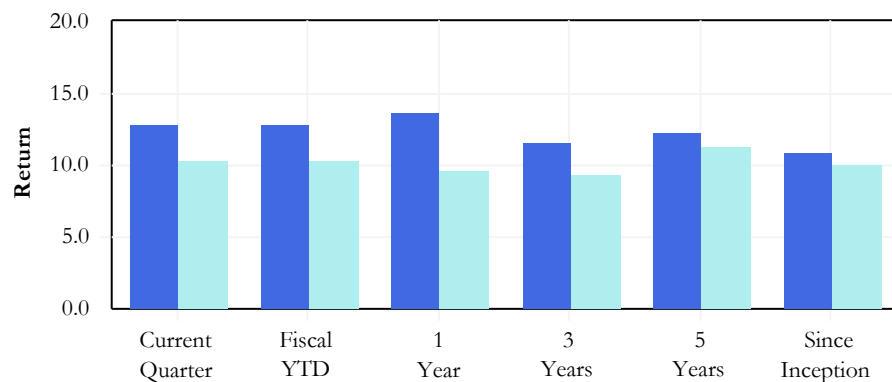
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# City of Marco Island Firefighters' Pension

## Connors - Large Cap Core - Executive Summary

as of December 31, 2020

### Manager Performance Chart



### Manager Annualized Performance

	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	Inception 04/01/2014
Connors - Large Cap Core	12.83	12.83	13.63	11.47	12.21	10.79
60% S&P / 40% CBOE	10.29	10.29	9.59	9.37	11.22	9.95
Differences	2.54	2.54	4.04	2.10	0.99	0.84

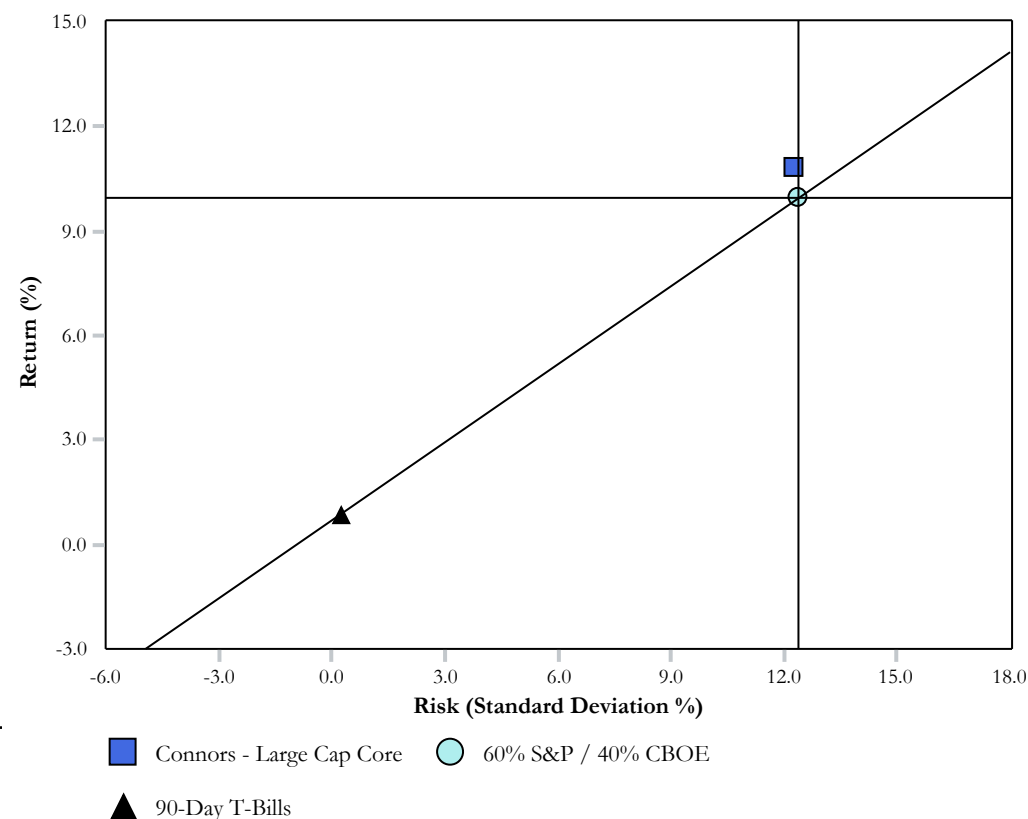
### Historic Asset Growth

	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	Inception 04/01/2014
Connors - Large Cap Core						
Beginning Market Value	2,508	2,508	2,504	1,900	1,328	999
Net Contributions	-	-	-	205	403	615
Fees/Expenses	-5	-5	-18	-49	-74	-91
Income	13	13	51	135	199	243
Gain/Loss	309	309	287	633	969	1,059
Ending Market Value	2,824	2,824	2,824	2,824	2,824	2,824

### Modern Portfolio Statistics

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Capture	Down Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
Connors - Large Cap Core	10.79	12.25	0.97	-19.76	101.13	95.42	1.09	0.83	0.96	04/01/2014
60% S&P / 40% CBOE	9.95	12.40	1.00	-20.65	100.00	100.00	0.00	0.76	1.00	04/01/2014

### Manager Risk & Return



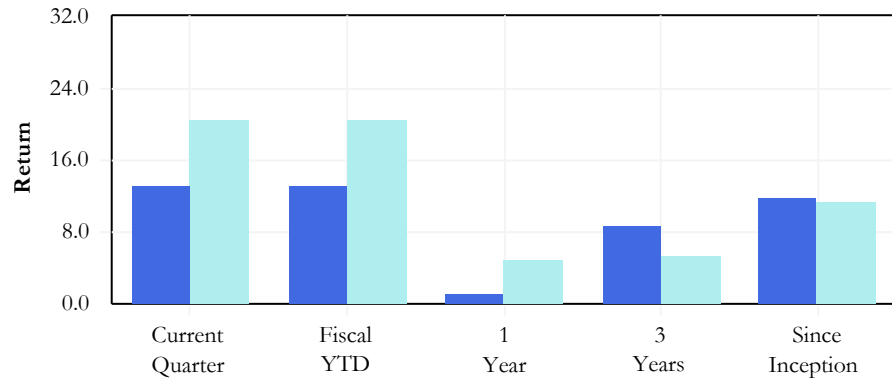
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# City of Marco Island Firefighters' Pension

## Anchor - Mid Cap Value - Executive Summary

as of December 31, 2020

### Manager Performance Chart



### Manager Annualized Performance

	Current Quarter	Fiscal YTD	1 Year	3 Years	Inception 03/01/2016
Anchor - Mid Cap Value	13.13	13.13	1.01	8.72	11.73
Russell Midcap Value	20.43	20.43	4.96	5.37	11.23
Differences	-7.30	-7.30	-3.95	3.35	0.50

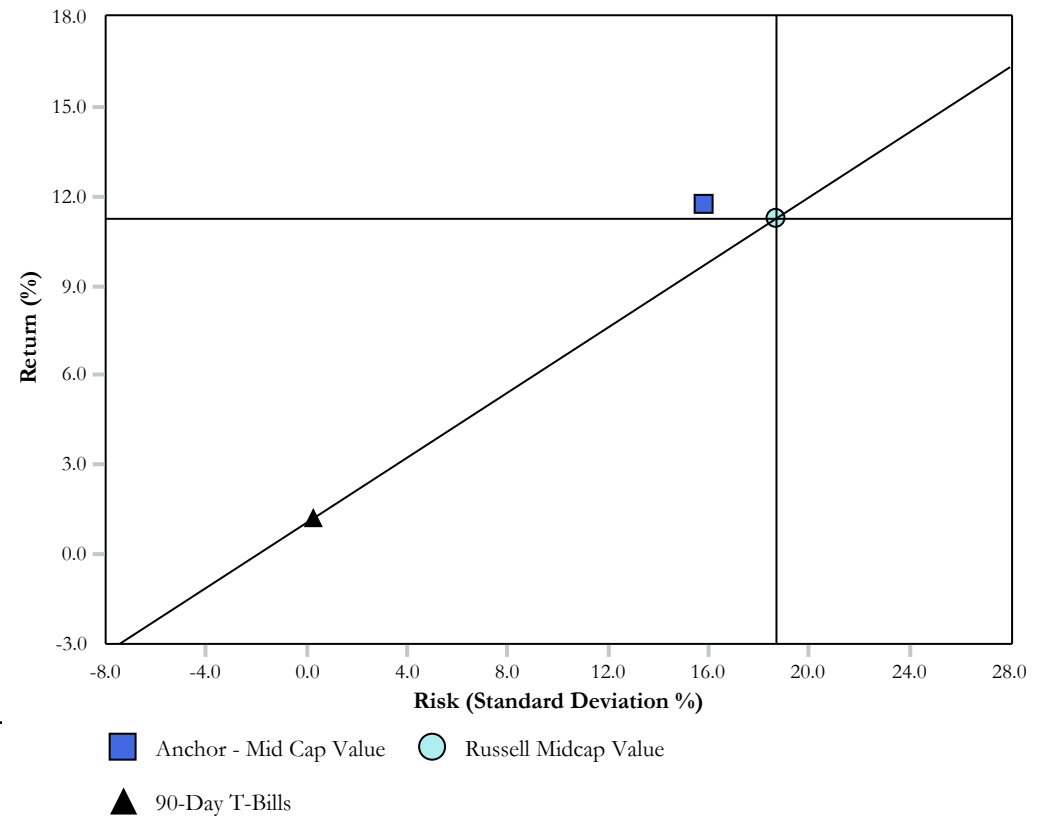
### Historic Asset Growth

	Current Quarter	Fiscal YTD	1 Year	3 Years	Inception 03/01/2016
Anchor - Mid Cap Value					
Beginning Market Value	1,208	1,208	1,307	954	629
Net Contributions	20	20	70	175	297
Fees/Expenses	-2	-2	-9	-25	-36
Income	4	4	18	58	84
Gain/Loss	155	155	-2	223	410
Ending Market Value	1,384	1,384	1,384	1,384	1,384

### Modern Portfolio Statistics

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Capture	Down Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
Anchor - Mid Cap Value	11.73	15.86	0.83	-27.10	89.32	81.21	2.11	0.71	0.95	03/01/2016
Russell Midcap Value	11.23	18.68	1.00	-31.71	100.00	100.00	0.00	0.60	1.00	03/01/2016

### Manager Risk & Return



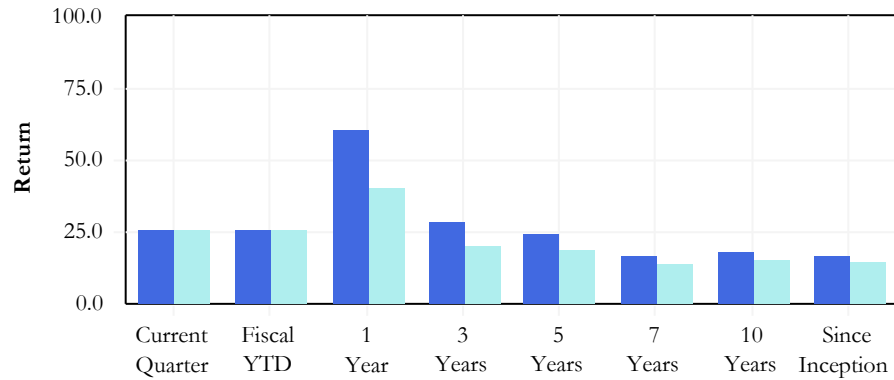
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# City of Marco Island Firefighters' Pension

## Wells - SMID Cap Growth - Executive Summary

as of December 31, 2020

### Manager Performance Chart



### Manager Annualized Performance

	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	10 Years	Inception 10/01/2008
Wells - SMID Cap Growth	25.88	25.88	60.75	28.20	24.36	16.92	17.85	16.88
Russell 2500 GR	25.89	25.89	40.47	19.91	18.68	14.09	15.00	14.64
Differences	-0.01	-0.01	20.28	8.29	5.68	2.83	2.85	2.24

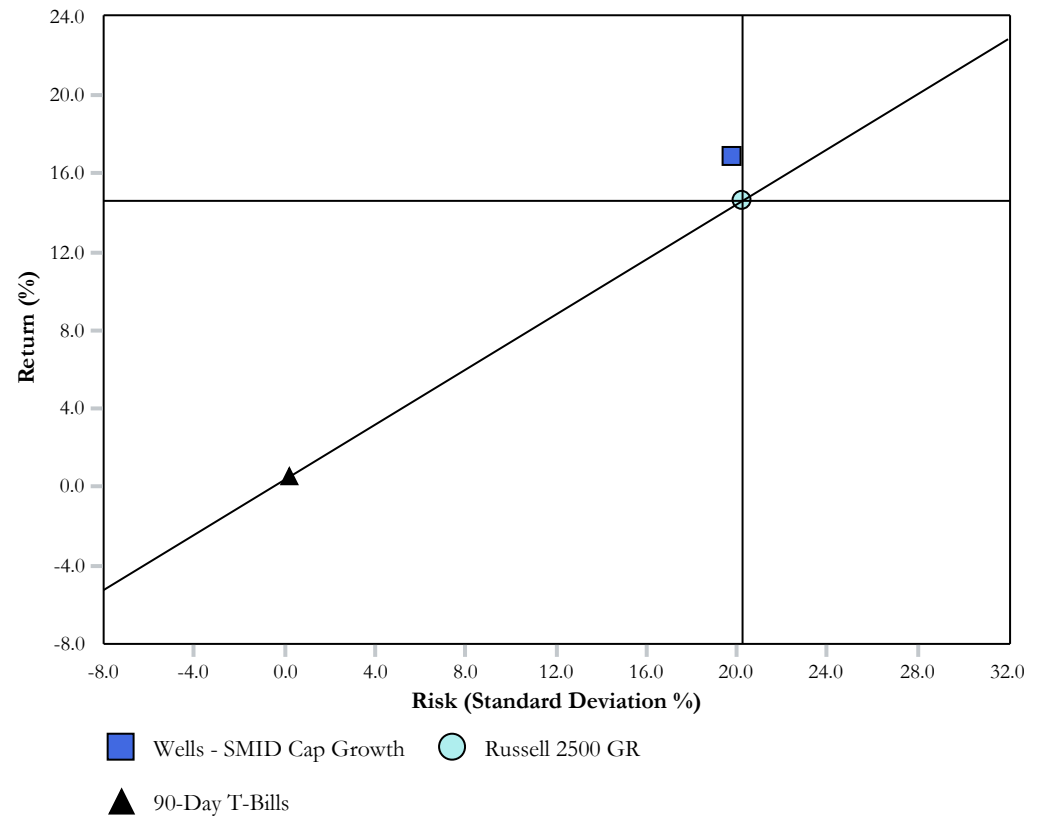
### Historic Asset Growth

	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	10 Years	Inception 10/01/2008
Wells - SMID Cap Growth								
Beginning Market Value	1,538	1,538	1,273	979	658	569	306	168
Net Contributions	-	-	-77	-61	-16	74	108	161
Fees/Expenses	-3	-3	-12	-30	-44	-56	-68	-73
Income	-	-	3	11	19	23	28	30
Gain/Loss	397	397	745	1,033	1,316	1,323	1,558	1,646
Ending Market Value	1,932	1,932	1,932	1,932	1,932	1,932	1,932	1,932

### Modern Portfolio Statistics

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Capture	Down Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
Wells - SMID Cap Growth	16.88	19.79	0.95	-37.54	99.65	89.90	2.70	0.87	0.94	10/01/2008
Russell 2500 GR	14.64	20.30	1.00	-37.99	100.00	100.00	0.00	0.75	1.00	10/01/2008

### Manager Risk & Return



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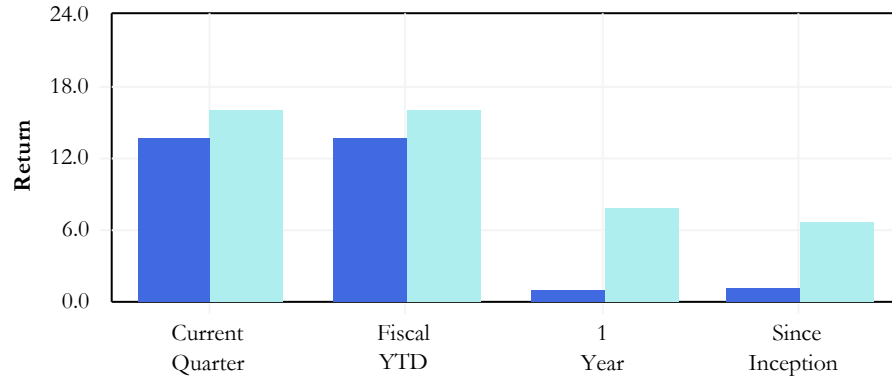


# City of Marco Island Firefighters' Pension

## Cambiar - International Value - Executive Summary

as of December 31, 2020

### Manager Performance Chart



### Manager Annualized Performance

	Current Quarter	Fiscal YTD	1 Year	Inception 09/01/2018
Cambiar - International Value	13.73	13.73	0.94	1.23
MSCI EAFE Net	16.05	16.05	7.81	6.59
Differences	-2.32	-2.32	-6.87	-5.36

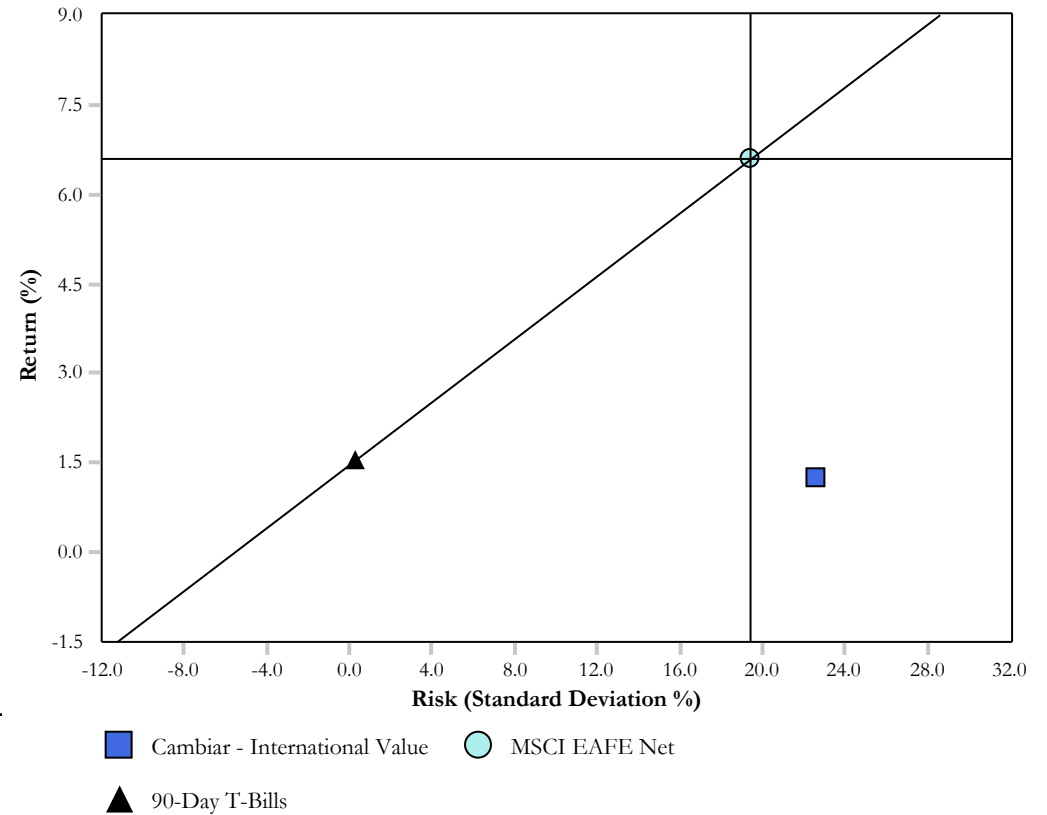
### Historic Asset Growth

	Current Quarter	Fiscal YTD	1 Year	Inception 09/01/2018
Cambiar - International Value	1,129	1,129	1,086	1,151
Beginning Market Value	91	91	266	196
Net Contributions	-2	-2	-8	-19
Fees/Expenses	6	6	17	54
Income	150	150	12	-10
Gain/Loss	1,373	1,373	1,373	1,373
Ending Market Value				

### Modern Portfolio Statistics

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Capture	Down Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
Cambiar - International Value	1.23	22.67	1.14	-27.42	105.06	126.61	-5.50	0.10	0.97	09/01/2018
MSCI EAFE Net	6.59	19.47	1.00	-22.83	100.00	100.00	0.00	0.35	1.00	09/01/2018

### Manager Risk & Return



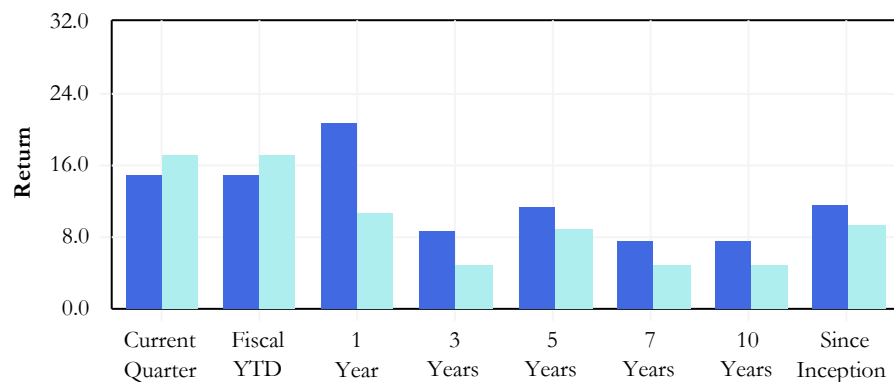
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# City of Marco Island Firefighters' Pension

## Harding Loevner - International Growth - Executive Summary

as of December 31, 2020

### Manager Performance Chart



### Manager Annualized Performance

	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	10 Years	Inception 04/01/2009
Harding Loevner - Intl Growth	14.93	14.93	20.62	8.56	11.24	7.65	7.47	11.58
MSCI AC World ex US Net	17.01	17.01	10.65	4.88	8.93	4.82	4.92	9.31
Differences	-2.08	-2.08	9.97	3.68	2.31	2.83	2.55	2.27

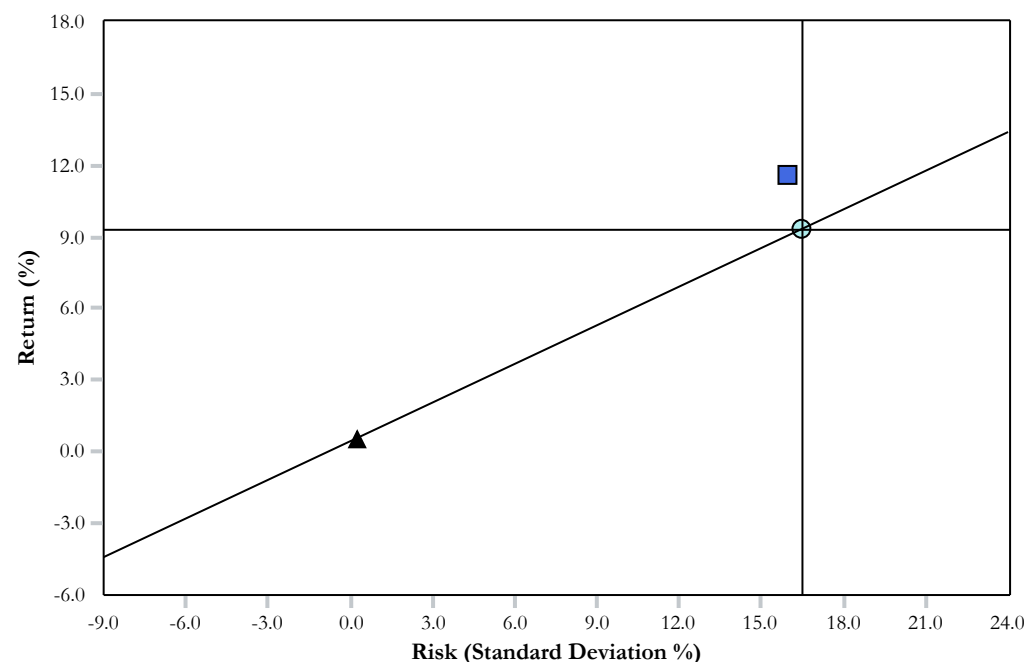
### Historic Asset Growth

	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	10 Years	Inception 04/01/2009
Harding Loevner - Intl Growth								
Beginning Market Value	1,274	1,274	1,221	943	669	497	285	143
Net Contributions	-	-	-	233	288	473	600	631
Fees/Expenses	-3	-3	-10	-28	-41	-52	-63	-66
Income	3	3	19	66	95	115	137	144
Gain/Loss	187	187	231	247	451	430	502	609
Ending Market Value	1,461	1,461	1,461	1,461	1,461	1,461	1,461	1,461

### Modern Portfolio Statistics

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Capture	Down Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
Harding Loevner - International Growth	11.58	15.98	0.94	-21.83	100.15	88.48	2.65	0.73	0.94	04/01/2009
MSCI AC World ex US Net	9.31	16.47	1.00	-24.30	100.00	100.00	0.00	0.59	1.00	04/01/2009

### Manager Risk & Return



- Harding Loevner - International Growth
- MSCI AC World ex US Net
- 90-Day T-Bills

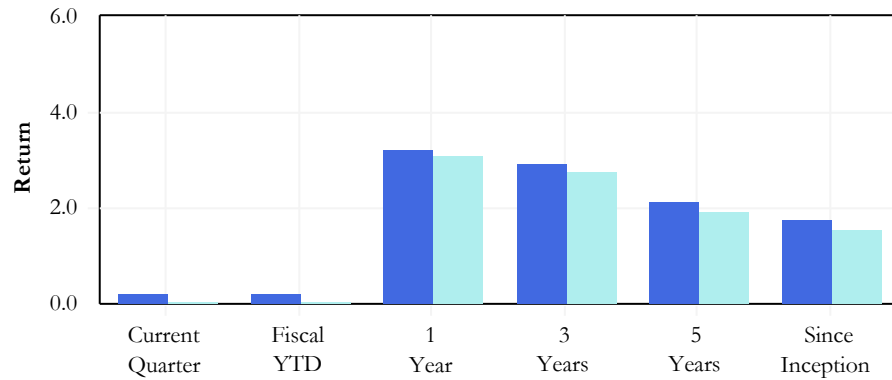
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# City of Marco Island Firefighters' Pension

## BlackRock - Short Duration Fixed Income - Executive Summary

as of December 31, 2020

### Manager Performance Chart



### Manager Annualized Performance

	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	Inception 05/01/2014
BlackRock - Short Duration	0.19	0.19	3.22	2.90	2.12	1.75
Marco Island Fixed Index	0.05	0.05	3.10	2.74	1.90	1.56
Differences	0.14	0.14	0.12	0.16	0.22	0.19

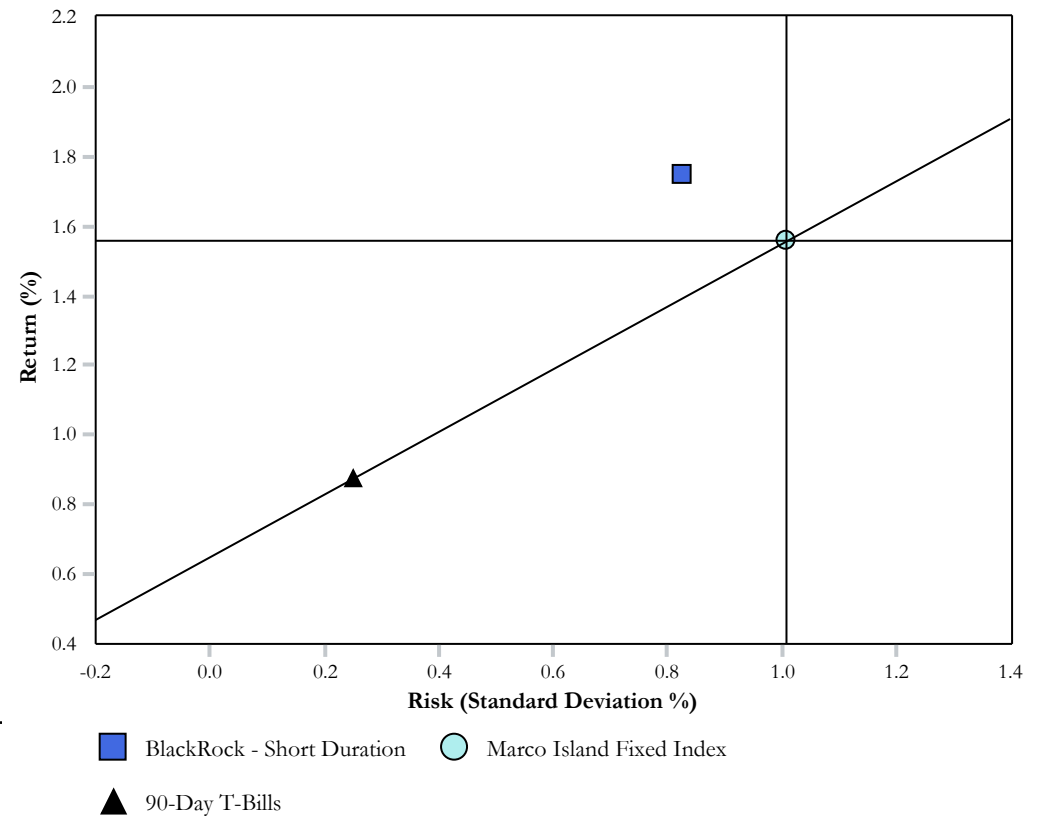
### Historic Asset Growth

	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	Inception 05/01/2014
BlackRock - Short Duration						
Beginning Market Value	7,255	7,255	6,567	5,050	6,192	5,059
Net Contributions	596	596	1,121	2,416	1,256	2,407
Fees/Expenses	-12	-12	-47	-122	-198	-276
Income	43	43	172	415	585	704
Gain/Loss	-28	-28	41	95	19	-41
Ending Market Value	7,853	7,853	7,853	7,853	7,853	7,853

### Modern Portfolio Statistics

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Capture	Down Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
BlackRock - Short Duration	1.75	0.83	0.65	-0.68	99.82	61.67	0.74	1.14	0.62	05/01/2014
Marco Island Fixed Index	1.56	1.01	1.00	-0.74	100.00	100.00	0.00	0.72	1.00	05/01/2014

### Manager Risk & Return



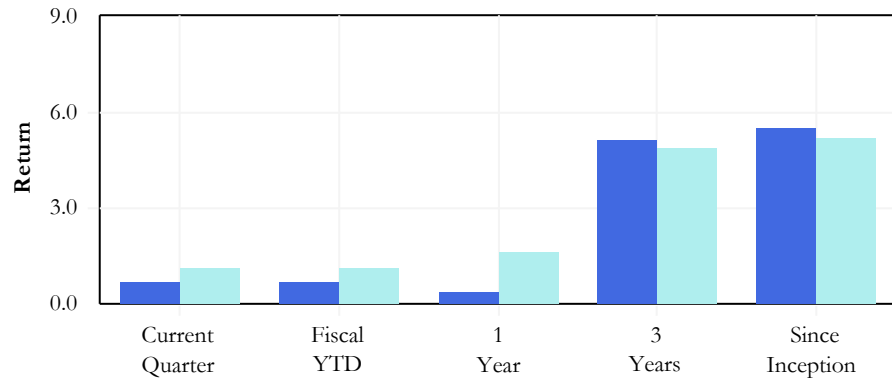
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# City of Marco Island Firefighters' Pension

## American Core Realty - Private Real Estate - Executive Summary

as of December 31, 2020

### Manager Performance Chart



### Manager Annualized Performance

	Current Quarter	Fiscal YTD	1 Year	3 Years	Inception 07/01/2017
American Core Realty - Private Real Estate	0.70	0.70	0.40	5.14	5.49
NCREIF Property Idx	1.15	1.15	1.61	4.89	5.22
Differences	-0.45	-0.45	-1.21	0.25	0.27

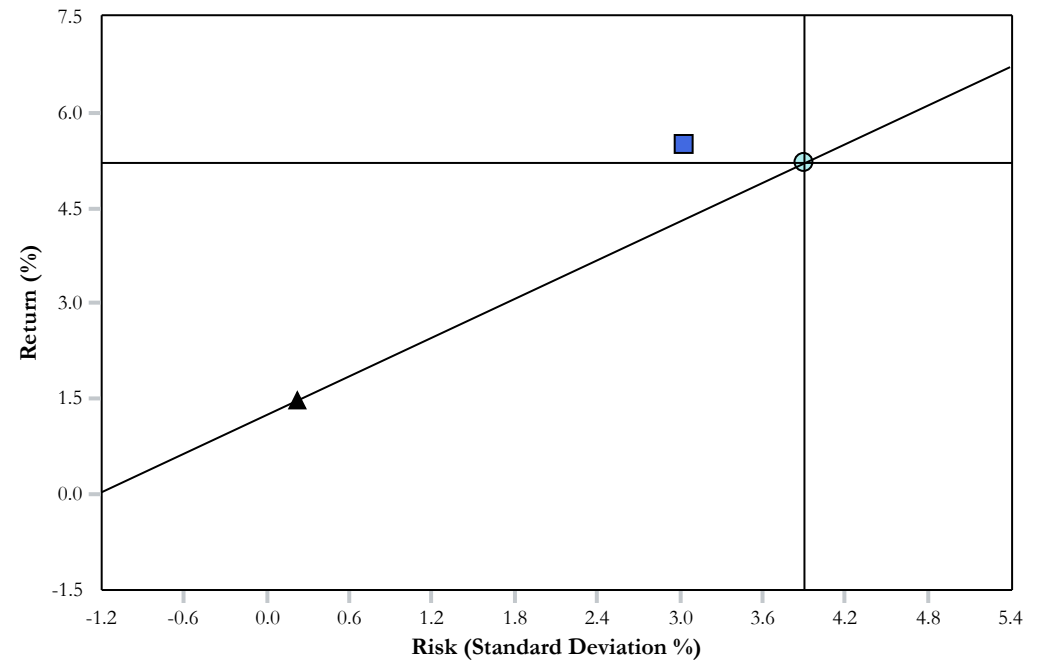
### Historic Asset Growth

	Current Quarter	Fiscal YTD	1 Year	3 Years	Inception 07/01/2017
American Core Realty - Private Real Estate					
Beginning Market Value	1,825	1,825	1,878	753	300
Net Contributions	-	-	-28	893	1,332
Fees/Expenses	-5	-5	-25	-82	-90
Income	-	-	-	-	-
Gain/Loss	13	13	8	269	291
Ending Market Value	1,833	1,833	1,833	1,833	1,833

### Modern Portfolio Statistics

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Capture	Down Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
American Core Realty - Private Real Estate	5.49	3.04	0.59	-2.09	90.78	30.37	2.35	1.32	0.58	07/01/2017
NCREIF Property Idx	5.22	3.91	1.00	-3.09	100.00	100.00	0.00	0.95	1.00	07/01/2017

### Manager Risk & Return



- American Core Realty - Private Real Estate
- NCREIF Property Idx
- ▲ 90-Day T-Bills

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# City of Marco Island Firefighters' Pension Plan

## Updated Values

As of February 2, 2021

	Value	% of Total	Current Policy Target	Current Policy Range	Fiscal YTD Return Since 9/30/2020 Dollar Weighted (Net)
BlackRock	\$4,289,631	15.28%	15.00%	12.50 - 17.50%	18.3%
Clearbridge	\$4,729,236	16.85%	15.00%	12.50 - 17.50%	10.5%
Connors	\$2,843,162	10.13%	10.00%	7.50 - 12.50%	13.4%
Anchor	\$1,389,928	4.95%	5.00%	2.50 - 7.50%	13.3%
Wells	\$2,006,472	7.15%	5.00%	2.50 - 7.50%	30.5%
Cambiar	\$1,392,673	4.96%	5.00%	2.50 - 7.50%	14.8%
Harding Loevner	\$1,487,065	5.30%	5.00%	2.50 - 7.50%	16.7%
<b>Total Equity</b>	<b>\$18,138,167</b>	<b>64.62%</b>	<b>60.00%</b>	<b>60.00 - 65.00%</b>	
BlackRock	\$7,841,195	27.94%	30.00%	25.00 - 35.00%	-0.1%
*American Core Realty	\$1,832,553	6.53%	10.00%	0.00 - 12.50%	0.3%
Deposit & Disbursement	\$255,327	0.91%			0.0%
<b>Total Fund</b>	<b>\$28,067,242</b>	<b>100.00%</b>			<b>9.7%</b>

\*American Realty market value as of 12/31/2020

### Dollar-Weighted Returns

The investment policy monitor is 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.

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# City of Marco Island Firefighters' Pension Plan

## Compliance Checklist

as of December 31, 2020

### **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
Single issue not to exceed 5% at market value for the total portfolio	Yes
Foreign equities < 25% of total portfolio at market	Yes
No scrutinized companies (Sudan/Iran) held per Protecting Florida's Investments Act requirement	Yes

#### **Fixed Income Portfolio**

U.S. Government / Agency or U.S. Corporations	Yes
Bonds rated "A" or better	Yes*
Single corporate issuer not exceed 10% of bond portfolio (except U.S. Government/Agency)	Yes

*\*A few bonds have a split rating*

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# City of Marco Island Firefighters' Pension Plan

## Billing Summary

as of December 31, 2020

BlackRock		745-124822							
Date Billed	Market Value	From	To	\$ GC Fee	% Annl. GC Fee	\$ Mgr. Fee	% Annl. Mgr. Fee	\$ Total Fee	% Annl. Total Fee
12/7/2020	\$4,097,311.45	12/1/2020	12/31/2020	\$0.00	0.00%	\$971.71	0.28%	\$971.71	0.28%
11/6/2020	\$3,571,442.87	11/1/2020	11/30/2020	\$0.00	0.00%	\$819.68	0.28%	\$819.68	0.28%
10/7/2020	\$3,619,619.68	10/1/2020	12/31/2020	\$4,239.04	0.47%	\$0.00	0.00%	\$4,239.04	0.47%
10/7/2020	\$3,619,619.68	10/1/2020	10/31/2020	\$0.00	0.00%	\$858.42	0.28%	\$858.42	0.28%
				<b>\$4,239.04</b>		<b>\$2,649.81</b>		<b>\$6,888.85</b>	
Clearbridge		745-125733							
Date Billed	Market Value	From	To	\$ GC Fee	% Annl. GC Fee	\$ Mgr. Fee	% Annl. Mgr. Fee	\$ Total Fee	% Annl. Total Fee
12/7/2020	\$4,527,171.68	12/1/2020	12/31/2020	\$0.00	0.00%	\$1,073.66	0.28%	\$1,073.66	0.28%
11/6/2020	\$4,103,588.28	11/1/2020	11/30/2020	\$0.00	0.00%	\$941.81	0.28%	\$941.81	0.28%
10/7/2020	\$4,281,331.82	10/1/2020	12/31/2020	\$5,013.99	0.47%	\$0.00	0.00%	\$5,013.99	0.47%
10/7/2020	\$4,281,331.82	10/1/2020	10/31/2020	\$0.00	0.00%	\$1,015.35	0.28%	\$1,015.35	0.28%
				<b>\$5,013.99</b>		<b>\$3,030.82</b>		<b>\$8,044.81</b>	
Connors		745-040995							
Date Billed	Market Value	From	To	\$ GC Fee	% Annl. GC Fee	\$ Mgr. Fee	% Annl. Mgr. Fee	\$ Total Fee	% Annl. Total Fee
11/6/2020	\$2,504,503.26	7/1/2020	9/30/2020	\$0.00	0.00%	\$1,878.38	0.30%	\$1,878.38	0.30%
10/7/2020	\$2,505,992.76	10/1/2020	12/31/2020	\$2,934.84	0.47%	\$0.00	0.00%	\$2,934.84	0.47%
				<b>\$2,934.84</b>		<b>\$1,878.38</b>		<b>\$4,813.22</b>	
Anchor		745-125484							
Date Billed	Market Value	From	To	\$ GC Fee	% Annl. GC Fee	\$ Mgr. Fee	% Annl. Mgr. Fee	\$ Total Fee	% Annl. Total Fee
12/7/2020	\$1,314,239.33	12/1/2020	12/31/2020	\$0.00	0.00%	\$333.95	0.30%	\$333.95	0.30%
11/6/2020	\$1,208,898.26	11/1/2020	11/30/2020	\$0.00	0.00%	\$297.27	0.30%	\$297.27	0.30%
10/7/2020	\$1,206,900.41	10/1/2020	12/31/2020	\$1,413.44	0.47%	\$0.00	0.00%	\$1,413.44	0.47%
10/7/2020	\$1,206,900.41	10/1/2020	10/31/2020	\$0.00	0.00%	\$306.67	0.30%	\$306.67	0.30%
				<b>\$1,413.44</b>		<b>\$937.89</b>		<b>\$2,351.33</b>	
Wells		745-125485							
Date Billed	Market Value	From	To	\$ GC Fee	% Annl. GC Fee	\$ Mgr. Fee	% Annl. Mgr. Fee	\$ Total Fee	% Annl. Total Fee
12/7/2020	\$1,779,324.00	12/1/2020	12/31/2020	\$0.00	0.00%	\$602.83	0.40%	\$602.83	0.40%
11/6/2020	\$1,553,422.80	11/1/2020	11/30/2020	\$0.00	0.00%	\$509.32	0.40%	\$509.32	0.40%
10/7/2020	\$1,537,740.16	10/1/2020	12/31/2020	\$1,800.89	0.47%	\$0.00	0.00%	\$1,800.89	0.47%
10/7/2020	\$1,537,740.16	10/1/2020	10/31/2020	\$0.00	0.00%	\$520.98	0.40%	\$520.98	0.40%
				<b>\$1,800.89</b>		<b>\$1,633.13</b>		<b>\$3,434.02</b>	

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# City of Marco Island Firefighters' Pension Plan

## Billing Summary

as of December 31, 2020

Cambiar 745-124824									
Date Billed	Market Value	From	To	\$ GC Fee	% Annl. GC Fee	\$ Mgr. Fee	% Annl. Mgr. Fee	\$ Total Fee	% Annl. Total Fee
12/7/2020	\$1,235,916.23	12/1/2020	12/31/2020	\$0.00	0.00%	\$366.39	0.35%	\$366.39	0.35%
11/6/2020	\$1,067,344.41	11/1/2020	11/30/2020	\$0.00	0.00%	\$306.21	0.35%	\$306.21	0.35%
10/7/2020	\$1,127,258.95	10/1/2020	12/31/2020	\$1,320.17	0.47%	\$0.00	0.00%	\$1,320.17	0.47%
10/7/2020	\$1,127,258.95	10/1/2020	10/31/2020	\$0.00	0.00%	\$334.17	0.35%	\$334.17	0.35%
				<b>\$1,320.17</b>		<b>\$1,006.77</b>		<b>\$2,326.94</b>	
Harding Loevner 745-125573									
Date Billed	Market Value	From	To	\$ GC Fee	% Annl. GC Fee	\$ Mgr. Fee	% Annl. Mgr. Fee	\$ Total Fee	% Annl. Total Fee
12/7/2020	\$1,369,163.84	12/1/2020	12/31/2020	\$0.00	0.00%	\$405.89	0.35%	\$405.89	0.35%
11/6/2020	\$1,215,501.10	11/1/2020	11/30/2020	\$0.00	0.00%	\$348.71	0.35%	\$348.71	0.35%
10/7/2020	\$1,272,731.50	10/1/2020	12/31/2020	\$1,490.53	0.47%	\$0.00	0.00%	\$1,490.53	0.47%
10/7/2020	\$1,272,731.50	10/1/2020	10/31/2020	\$0.00	0.00%	\$377.30	0.35%	\$377.30	0.35%
				<b>\$1,490.53</b>		<b>\$1,131.90</b>		<b>\$2,622.43</b>	
BlackRock 745-125053									
Date Billed	Market Value	From	To	\$ GC Fee	% Annl. GC Fee	\$ Mgr. Fee	% Annl. Mgr. Fee	\$ Total Fee	% Annl. Total Fee
12/7/2020	\$7,250,014.75	12/1/2020	12/31/2020	\$0.00	0.00%	\$1,350.96	0.22%	\$1,350.96	0.22%
11/6/2020	\$7,244,705.02	11/1/2020	11/30/2020	\$0.00	0.00%	\$1,306.42	0.22%	\$1,306.42	0.22%
10/7/2020	\$7,255,234.49	10/1/2020	12/31/2020	\$8,496.81	0.47%	\$0.00	0.00%	\$8,496.81	0.47%
10/7/2020	\$7,255,234.49	10/1/2020	10/31/2020	\$0.00	0.00%	\$1,351.93	0.22%	\$1,351.93	0.22%
				<b>\$8,496.81</b>		<b>\$4,009.31</b>		<b>\$12,506.12</b>	
American Core Realty 745-055181									
Date Billed	Market Value	From	To	\$ GC Fee	% Annl. GC Fee	\$ Mgr. Fee	% Annl. Mgr. Fee	\$ Total Fee	% Annl. Total Fee
10/1/2020	\$1,824,911.05	10/1/2020	12/31/2020	\$0.00	0.00%	\$5,089.71	1.11%	\$5,089.71	1.11%
10/7/2020	\$1,845,907.88	10/1/2020	12/31/2020	\$2,161.80	0.47%	\$0.00	0.00%	\$2,161.80	0.47%
				<b>\$2,161.80</b>		<b>\$5,089.71</b>		<b>\$7,251.51</b>	
Total - All Managers									
Date Billed	Market Value	From	To	\$ GC Fee	% Annl. GC Fee	\$ Mgr. Fee	% Annl. Mgr. Fee	\$ Total Fee	% Annl. Total Fee
12/7/2020	\$21,573,141.28	12/1/2020	12/31/2020	\$0.00	0.00%	\$5,105.39	0.28%	\$5,105.39	0.28%
11/6/2020	\$2,504,503.26	7/1/2020	9/30/2020	\$0.00	0.00%	\$1,878.38	0.30%	\$1,878.38	0.30%
11/6/2020	\$19,964,902.74	11/1/2020	11/30/2020	\$0.00	0.00%	\$4,529.42	0.28%	\$4,529.42	0.28%
10/7/2020	\$24,652,717.65	10/1/2020	12/31/2020	\$28,871.51	0.47%	\$0.00	0.00%	\$28,871.51	0.47%
10/7/2020	\$20,300,817.01	10/1/2020	10/31/2020	\$0.00	0.00%	\$4,764.82	0.28%	\$4,764.82	0.28%
10/1/2020	\$1,824,911.05	10/1/2020	12/31/2020	\$0.00	0.00%	\$5,089.71	1.11%	\$5,089.71	1.11%
				<b>\$28,871.51</b>		<b>\$21,367.72</b>		<b>\$50,239.23</b>	

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.

# City of Marco Island Firefighters' Pension

## Policy Index History

As of December 31, 2020

Policy Index	Weight (%)	Policy Index	Weight (%)
<b>Jan-2002</b>		<b>Jul-2017</b>	
BC Agg Intm Tr	40.00	ML Tsy 1-3 Yr - G1O2	30.00
Russell 1000 Gr	25.00	Russell 1000 Gr	7.50
Russell 1000 Value	25.00	Russell 1000 Value	15.00
MSCI EAFE Net	5.00	Russell 3000 Gr	7.50
MSCI AC World ex US Net	5.00	MSCI AC World ex US Net	10.00
		Russell 2500 GR	5.00
<b>Oct-2008</b>		Russell Midcap Value	5.00
BC Agg Intm Tr	40.00	60% S&P / 40% CBOE	10.00
Russell 1000 Gr	20.00	NCREIF Property Idx	10.00
Russell 1000 Value	20.00		
MSCI EAFE Net	2.50	<b>Dec-2017</b>	
MSCI AC World ex US Net	7.50	ML Tsy 1-3 Yr - G1O2	30.00
Russell 2500 GR	5.00	Russell 1000 Gr	0.00
Russell 2500 VL	5.00	Russell 1000 Value	15.00
		Russell 3000 Gr	15.00
<b>Apr-2014</b>		MSCI AC World ex US Net	10.00
ML Tsy 1-3 Yr - G1O2	50.00	Russell 2500 GR	5.00
Russell 1000 Gr	5.00	Russell Midcap Value	5.00
Russell 1000 Value	10.00	60% S&P / 40% CBOE	10.00
Russell 3000 Gr	5.00	NCREIF Property Idx	10.00
MSCI AC World ex US Net	10.00		
Russell 2500 GR	5.00	<b>Sep-2018</b>	
Russell 2500 VL	5.00	ML Tsy 1-3 Yr - G1O2	30.00
60% S&P / 40% CBOE	10.00	Russell 1000 Gr	15.00
		Russell 1000 Value	15.00
<b>Mar-2016</b>		MSCI EAFE Net	5.00
ML Tsy 1-3 Yr - G1O2	35.00	MSCI AC World ex US Net	5.00
Russell 1000 Gr	8.75	Russell 2500 GR	5.00
Russell 1000 Value	17.50	Russell Midcap Value	5.00
Russell 3000 Gr	8.75	60% S&P / 40% CBOE	10.00
MSCI AC World ex US Net	10.00	NCREIF Property Idx	10.00
Russell 2500 GR	5.00		
Russell Midcap Value	5.00		
60% S&P / 40% CBOE	10.00		

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.

# 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
American Core Realty - Private Real Estate	0.42	-0.94	-0.94	3.55	--	--	3.60	06/28/2017
Anchor - Mid Cap Value	12.92	0.25	0.25	7.89	9.31	8.19	8.23	09/16/2008
BlackRock - Large Cap Value	16.87	2.92	2.92	6.46	9.89	8.38	6.17	12/11/2001
BlackRock - Short Duration	0.02	2.51	2.51	2.18	1.38	1.04	2.05	03/23/2004
Cambiar - International Value	13.50	0.13	0.13	-1.27	3.37	2.92	4.12	12/11/2001
Cash	0.00	0.17	0.17	15.94	9.30	4.57	3.38	12/01/2001
Clearbridge - Large Cap Growth	8.63	31.11	31.11	16.67	16.37	14.38	14.90	02/24/2010
Connors - Large Cap Core	12.62	12.79	12.79	10.63	11.33	--	9.84	03/04/2014
Harding Loevner - International Growth	14.70	19.66	19.66	7.67	10.31	6.48	10.64	03/16/2009
Wells - SMID Cap Growth	25.62	59.38	59.38	27.09	23.26	16.72	15.20	09/16/2008

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.*

*Benchmark indices and blends included in this material are for informational purposes only, are provided solely as a comparison tool and may not reflect the underlying composition and/or investment objective(s) associated with the account(s). Indices are unmanaged and not available for direct investment. Index returns do not take into account fees or other charges. Such fees and charges would reduce performance.*

*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 client's 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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Traditional alternative investment vehicles are illiquid and usually are not valued daily. The estimated valuation provided will be as of the most recent date available and will be included in summaries of your assets. Such valuation may not be the most recent provided by the fund in which you are invested. No representation is made that the valuation is a market value or that the interest could be liquidated at this value. We are not required to take any action with respect to your investment unless valid instructions are received from you in a timely manner. Some positions reflected herein may not represent interests in the fund, but rather redemption proceeds withheld by the issuer pending final valuations which are not subject to the investment performance of the fund and may or may not accrue interest for the length of the withholding. Morgan Stanley does not engage in an independent valuation of your alternative investment assets. Morgan Stanley provides periodic information to you including the market value of an alternative investment vehicle based on information received from the management entity of the alternative investment vehicle or another service provider.

Traditional alternative investment vehicles often are speculative and include a high degree of risk. . Investors should carefully review and consider potential risks before investing. Certain of these risks may include but are not limited to: • Loss of all or a substantial portion of the investment due to leveraging, short-selling, or other speculative practices; • Lack of liquidity in that there may be no secondary market for a fund; • Volatility of returns; • Restrictions on transferring interests in a fund; • Potential lack of diversification and resulting higher risk due to concentration of trading authority when a single advisor is utilized; • Absence 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 manager. As a diversified global financial services firm, Morgan Stanley Wealth Management engages in a broad spectrum of activities including financial advisory services, investment management activities, sponsoring and managing private investment funds, engaging in broker-dealer transactions and principal securities, commodities and foreign exchange transactions, research publication, and other activities. In the ordinary course of its business, Morgan Stanley Wealth Management therefore engages in activities where Morgan Stanley Wealth Management's interests may conflict with the interests of its clients, including the private investment funds it manages. Morgan Stanley Wealth Management can give no assurance that conflicts of interest will be resolved in favor of its clients or any such fund.

Indices are unmanaged and investors cannot directly invest in them. Composite index results are shown for illustrative purposes and do not represent the performance of a specific investment. Past performance is no guarantee of future results. Actual results may vary. Diversification does not assure a profit or protect against loss in a declining market. Any performance or related information presented has not been adjusted to reflect the impact of the additional fees paid to a placement agent by an investor (for Morgan Stanley placement clients, a one-time upfront Placement Fee of up to 3%, and for Morgan Stanley investment advisory clients, an annual advisory fee of up to 2.5%), which would result in a substantial reduction in the returns if such fees were incorporated.

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 [www.morganstanley.com/ADV](http://www.morganstanley.com/ADV) <<http://www.morganstanley.com/ADV>> or from your Financial Advisor/Private Wealth Advisor.

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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.