

# FUND EVALUATION REPORT

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## **San Jose Federated Retiree Health Care 115 Trust**

Quarterly Review  
As of September 30, 2019

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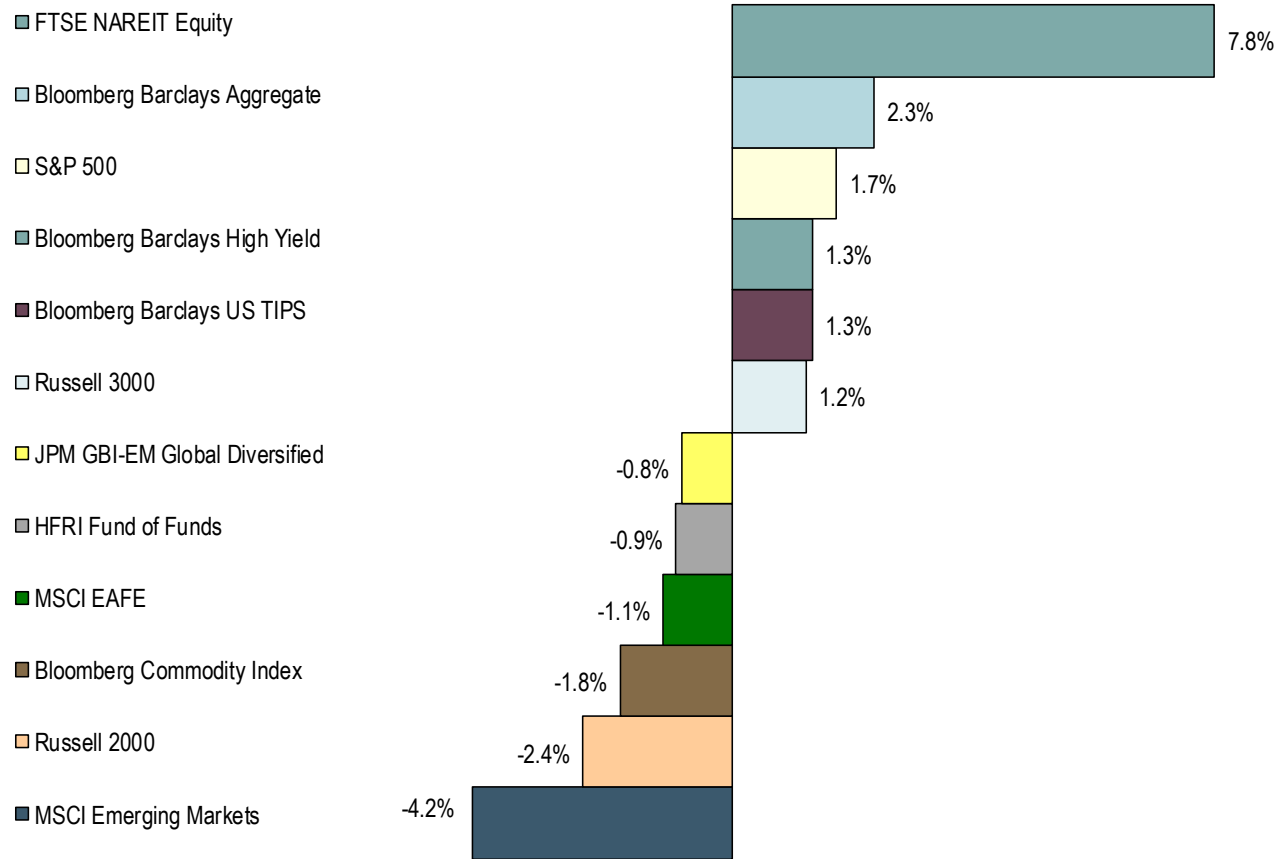
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# **The World Markets Third Quarter of 2019**

## The World Markets<sup>1</sup> Third Quarter of 2019



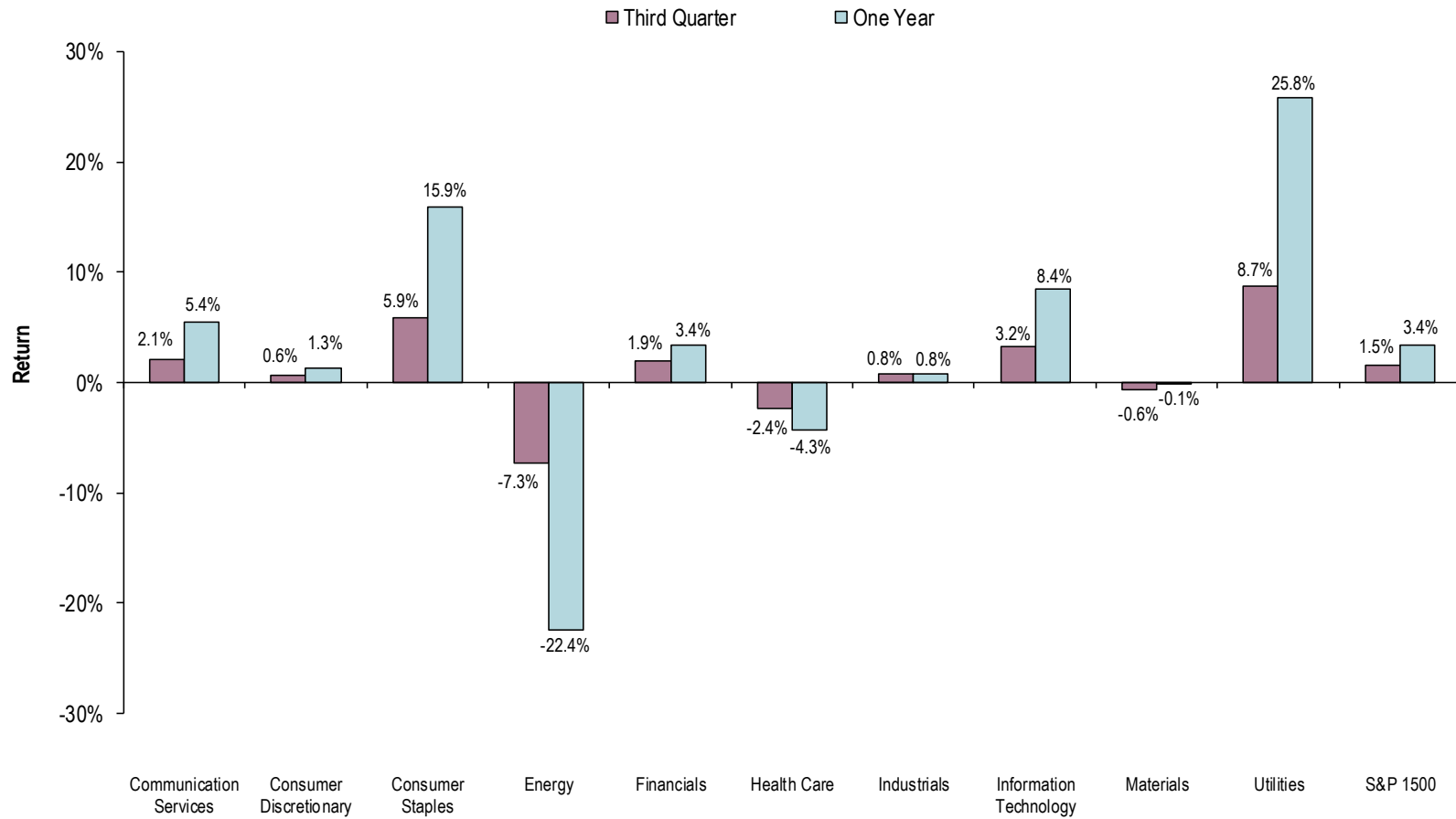
<sup>1</sup> Source: InvestorForce.

Index Returns<sup>1</sup>

	3Q19 (%)	YTD (%)	1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)
<b>Domestic Equity</b>						
S&P 500	1.7	20.6	4.3	13.4	10.8	13.2
Russell 3000	1.2	20.1	2.9	12.8	10.4	13.1
Russell 1000	1.4	20.5	3.9	13.2	10.6	13.2
Russell 1000 Growth	1.5	23.3	3.7	16.9	13.4	14.9
Russell 1000 Value	1.4	17.8	4.0	9.4	7.8	11.5
Russell MidCap	0.5	21.9	3.2	10.7	9.1	13.1
Russell MidCap Growth	-0.7	25.2	5.2	14.5	11.1	14.1
Russell MidCap Value	1.2	19.5	1.6	7.8	7.6	12.3
Russell 2000	-2.4	14.2	-8.9	8.2	8.2	11.2
Russell 2000 Growth	-4.2	15.3	-9.6	9.8	9.1	12.2
Russell 2000 Value	-0.6	12.8	-8.2	6.5	7.2	10.1
<b>Foreign Equity</b>						
MSCI ACWI (ex. US)	-1.8	11.6	-1.2	6.3	2.9	4.5
MSCI EAFE	-1.1	12.8	-1.3	6.5	3.3	4.9
MSCI EAFE (Local Currency)	1.8	15.7	1.6	8.3	6.0	7.0
MSCI EAFE Small Cap	-0.4	12.1	-5.9	5.9	6.0	7.5
MSCI Emerging Markets	-4.2	5.9	-2.0	6.0	2.3	3.4
MSCI Emerging Markets (Local Currency)	-2.1	7.8	-0.2	7.6	5.5	5.9
<b>Fixed Income</b>						
Bloomberg Barclays Universal	2.1	8.8	10.1	3.2	3.6	4.1
Bloomberg Barclays Aggregate	2.3	8.5	10.3	2.9	3.4	3.7
Bloomberg Barclays US TIPS	1.3	7.6	7.1	2.2	2.4	3.5
Bloomberg Barclays High Yield	1.3	11.4	6.4	6.1	5.4	7.9
JPM GBI-EM Global Diversified	-0.8	7.9	10.1	3.1	0.6	2.4
<b>Other</b>						
FTSE NAREIT Equity	7.8	27.0	18.4	7.4	10.3	13.0
Bloomberg Commodity Index	-1.8	3.1	-6.6	-1.5	-7.2	-4.3
HFRI Fund of Funds	-0.9	5.2	0.0	3.2	2.0	2.7

<sup>1</sup> Source: InvestorForce.

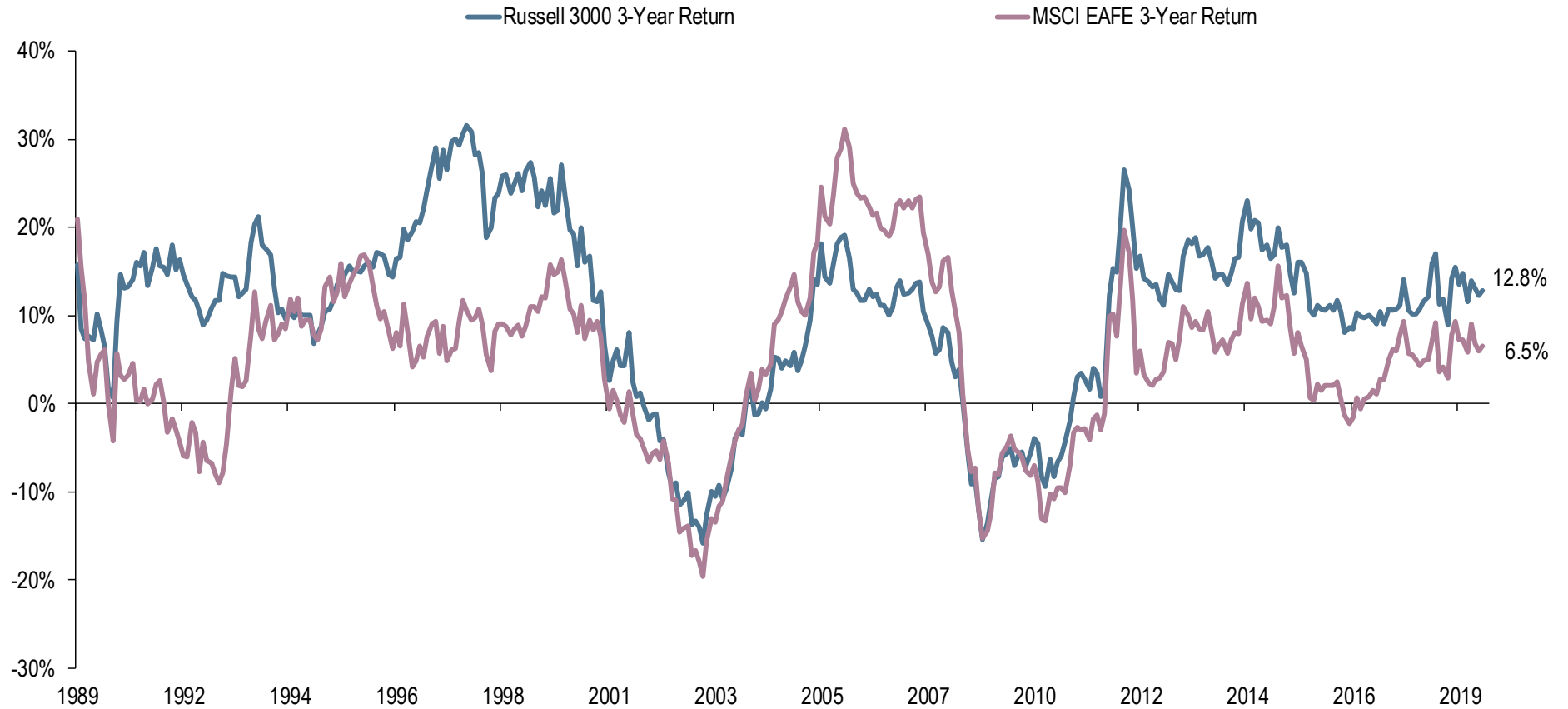
### S&P Sector Returns<sup>1</sup>



<sup>1</sup> Source: InvestorForce. Represents S&P 1500 (All Cap) data.



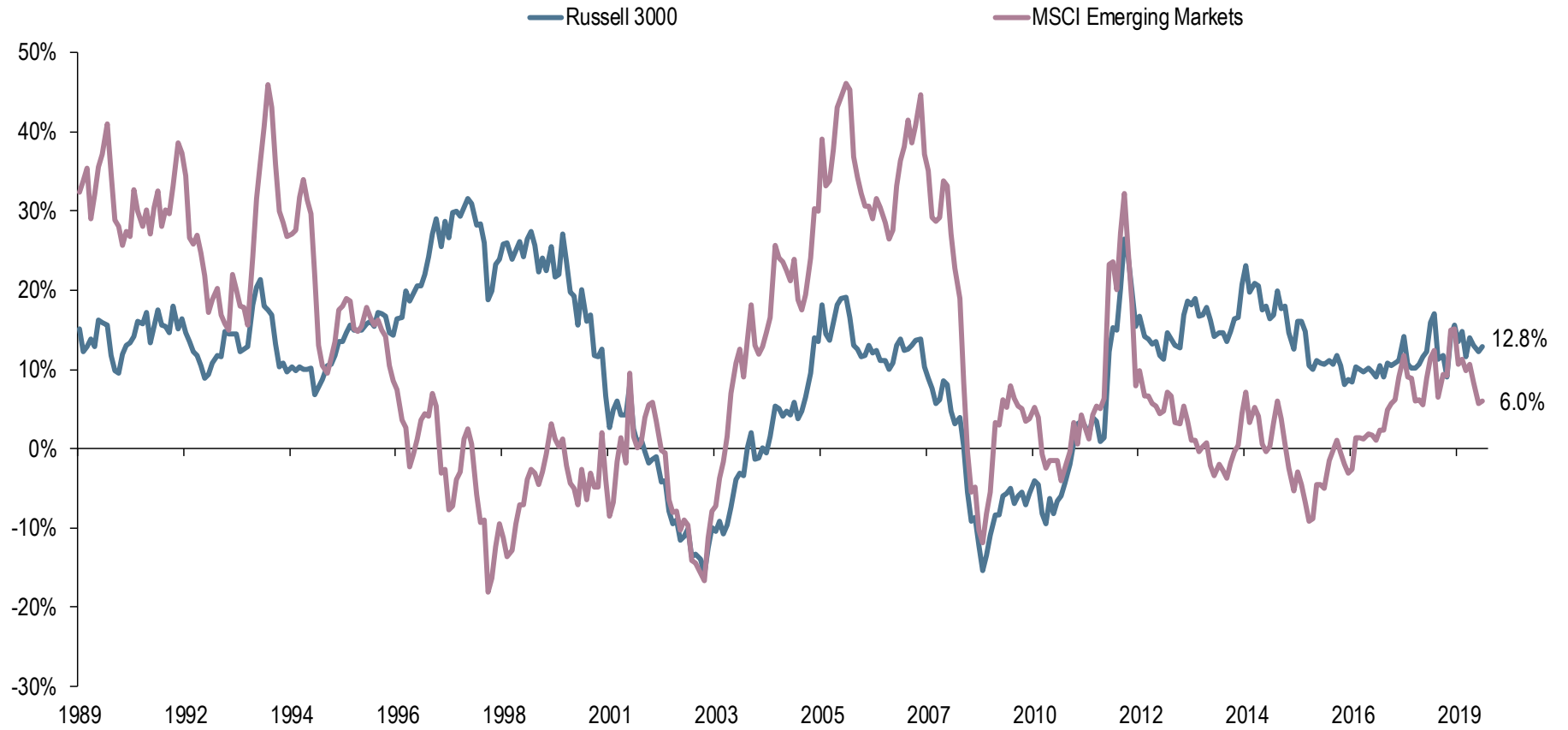
### US and Developed Market Foreign Equity Rolling Three-Year Returns<sup>1</sup>



<sup>1</sup> Source: InvestorForce.



### US and Emerging Market Equity Rolling Three-Year Returns<sup>1</sup>

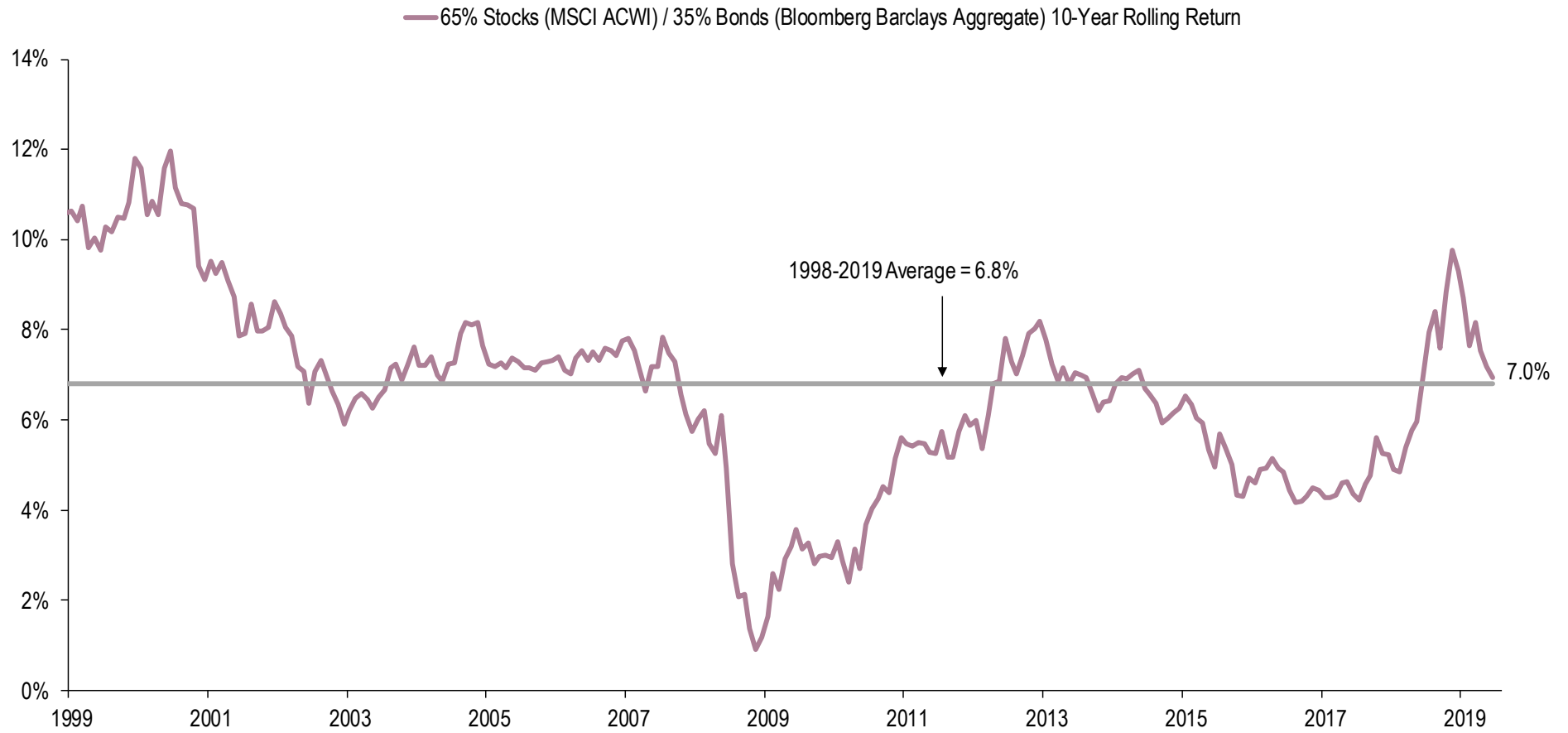


<sup>1</sup> Source: InvestorForce.





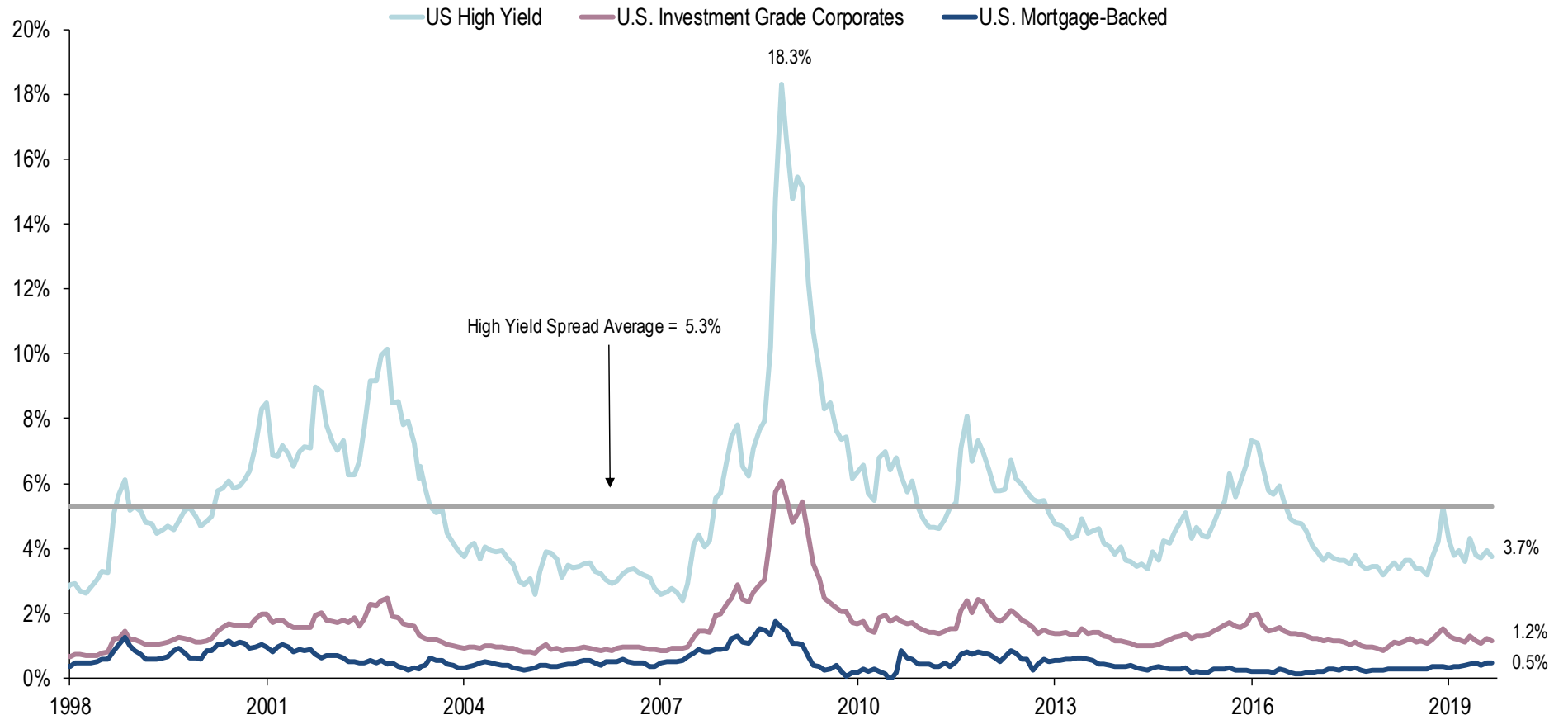
## Rolling Ten-Year Returns: 65% Stocks and 35% Bonds<sup>1</sup>



<sup>1</sup> Source: InvestorForce.



### Credit Spreads vs. US Treasury Bonds<sup>1,2</sup>

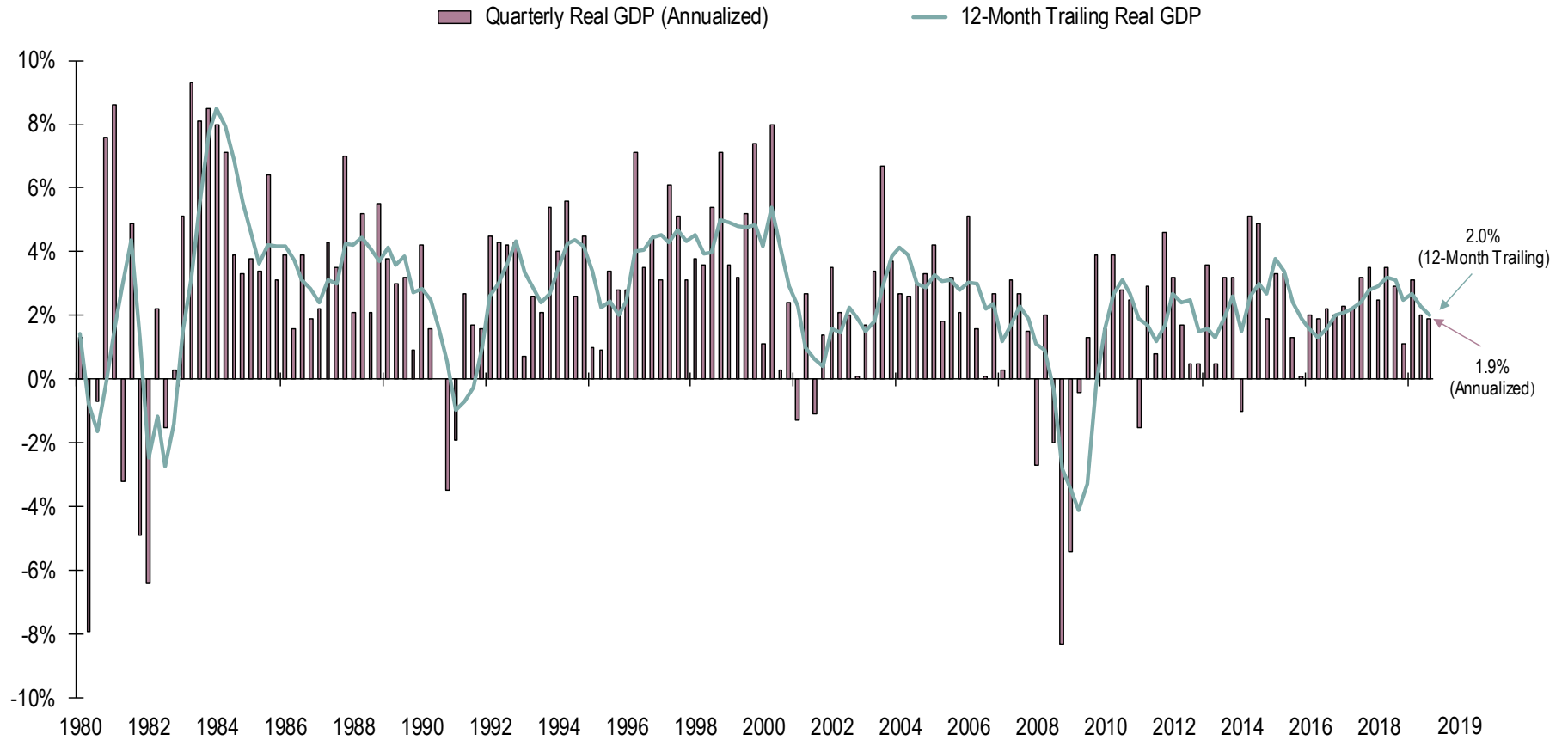


<sup>1</sup> Source: Barclays Live.

<sup>2</sup> The median high yield spread was 4.8% from 1997-2019.



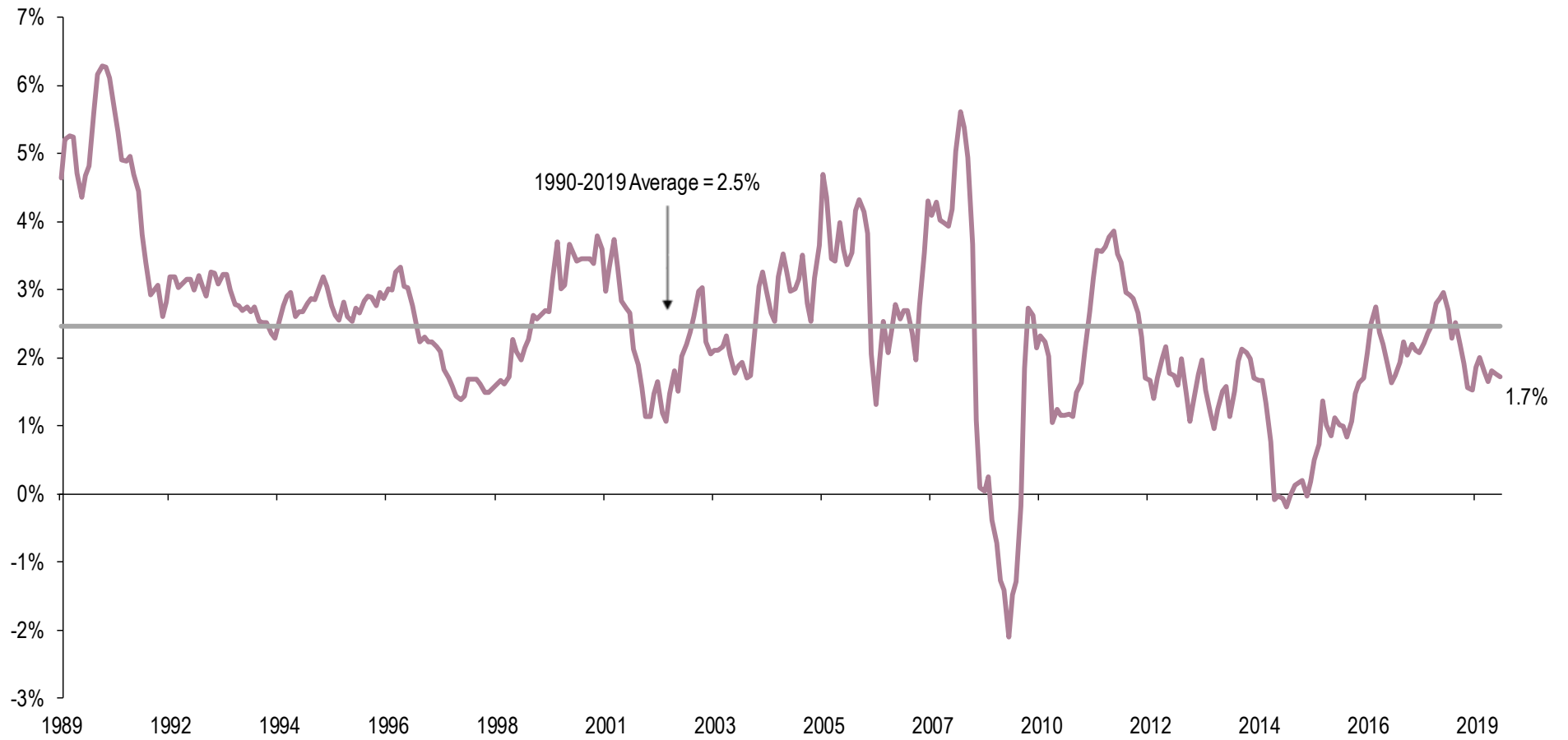
## US Real Gross Domestic Product (GDP) Growth<sup>1</sup>



<sup>1</sup> Source: Bureau of Economic Analysis. Data is as of Q3 2019 and represents the first estimate.



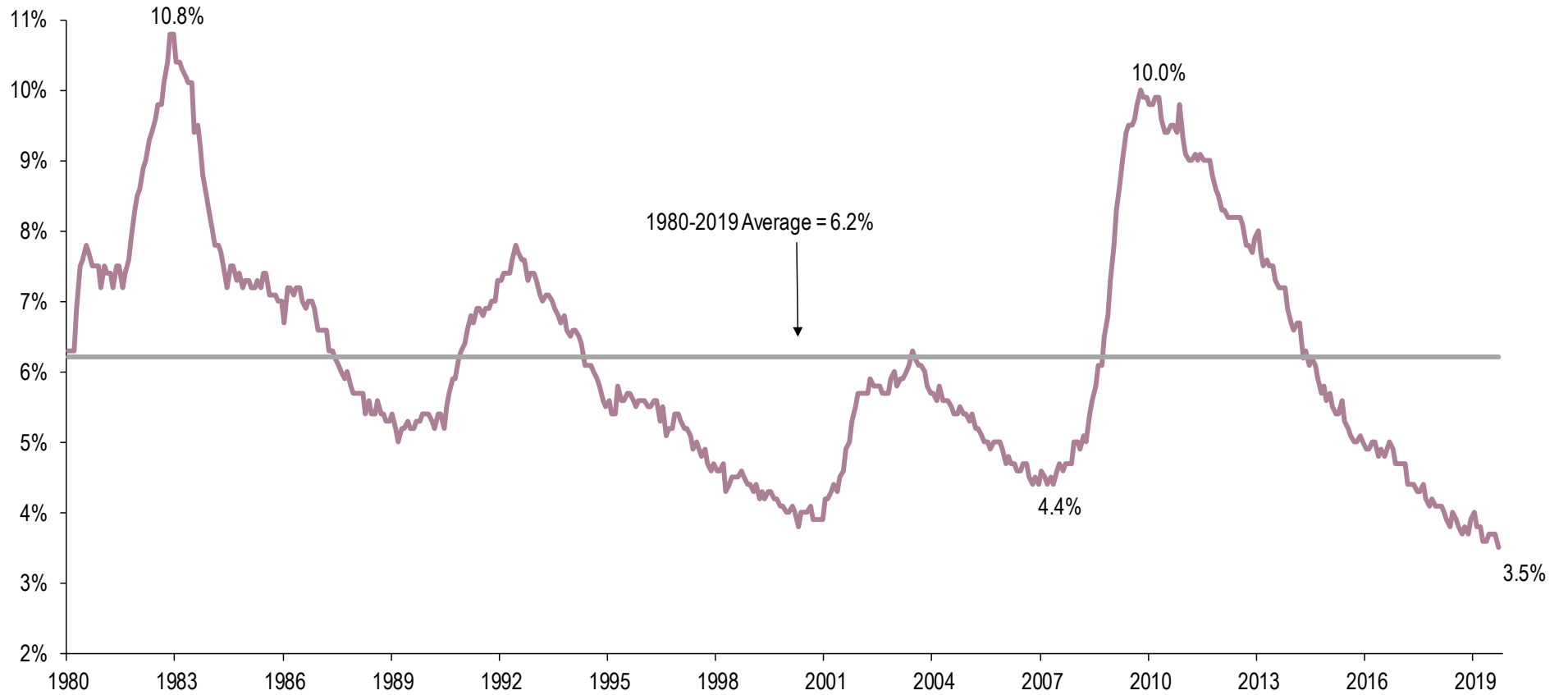
### US Inflation (CPI) Trailing Twelve Months<sup>1</sup>



<sup>1</sup> Source: Bureau of Labor Statistics. Data is non-seasonally adjusted CPI, which may be volatile in the short-term. Data is as of September 30, 2019.



## US Unemployment<sup>1</sup>



<sup>1</sup> Source: Bureau of Labor Statistics. Data is as of September 30, 2019.



**Executive Summary  
As of September 30, 2019**

**The value of the San Jose Federated Retiree Health Care Trust's assets was \$299.4 million on September 30, 2019, an increase of \$1.6 million from the end of the prior quarter. The Trust had \$2.2 million of net cash inflows for the quarter.**

- The Health Care Trust's net of fees performance was -0.2% for the quarter, outperforming the Policy Benchmark return of -0.3%. Over the year-to-date period, the Trust returned +9.0%, compared to +9.3% for the Policy Benchmark.
  - Growth returned -0.9% for the quarter and +14.3% over the year-to-date period. Growth slightly underperformed the Public Equity Benchmark by 10 basis points for the quarter and 20 basis points over the year-to-date period.
  - Zero Beta returned +0.6% for the quarter and +1.8% over the year-to-date period, in-line with the ICE Bank of America Merrill Lynch 91 Days T-Bill TR benchmark for both periods.
  - Other returned +0.7% for the quarter and +5.0% over the year-to-date period, outperforming the Other Benchmark by 40 and 130 basis points, respectively.
- The Health Care Trust did not add any investment managers to its roster in the quarter.

## Artisan

- Artisan Global Value returned -0.6% for the quarter, underperforming the MSCI ACWI Value NR benchmark by 30 basis points. Compared to peers, Artisan ranks in the 58th percentiles for both the quarter and since inception periods. The top contributor to performance in the quarter was a leading semiconductor supplier to the automotive industry, which is benefitting from the secular trend of increased electronic components in cars.

## Cove Street

- Cove Street Small Cap Value returned -4.2% for the quarter and +15.0% over the year-to-date period, underperforming the Russell 2000 Value benchmark by 360 basis points for the quarter and outperforming the benchmark by 220 basis points over the year-to-date period. Compared to peers, Cove Street ranks in the 93rd and 49th percentiles for the quarter and since inception periods, respectively. The largest detractor to portfolio returns in the quarter came from a communications company experiencing declining organic growth which was sold out of the portfolio.

## American

- American Core Realty Fund returned +1.6% for the quarter and +6.5% over the year-to-date period, outperforming the NCREIF ODCE Equal Weighted benchmark by 40 and 270 basis points over the same time periods, respectively. Since inception, American has underperformed the benchmark by 70 basis points.

## Credit Suisse

- Credit Suisse Risk Parity Commodity Fund returned +0.1% for the quarter and +3.7% over the year-to-date period, outperforming the Bloomberg Commodity Index by 190 and 60 basis points over the same time periods, respectively. Since inception, Credit Suisse has outperformed the index by 350 basis points.

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<sup>1</sup> Net of management fees.





Investment Manager	Asset Class	Changes/ Announcements	Performance Concerns	Meketa Recommendation <sup>1</sup>	Comments
Artisan Global Value	Global Equity	Yes	---	Hold	Personnel Changes
Cove Street Small Cap Value	U.S. Equity	---	Yes	Hold	Watch List
Credit Suisse Risk Parity	Commodities	---	---	---	---

## Artisan

- One analyst left the Artisan Global Value team and one analyst joined in the quarter.

## Cove Street

- Over the three-year period, Cove Street (+5.7%) has underperformed the Russell 2000 Value by 80 basis points. Since inception in June 2015, Cove Street has underperformed the benchmark by 60 basis points per year, on average and ranked in the 49th percentile compared to peers.

<sup>1</sup> The Meketa Investment Group recommendations are based on organizational or resource changes at each manager.



**Watch List<sup>1,2</sup>**

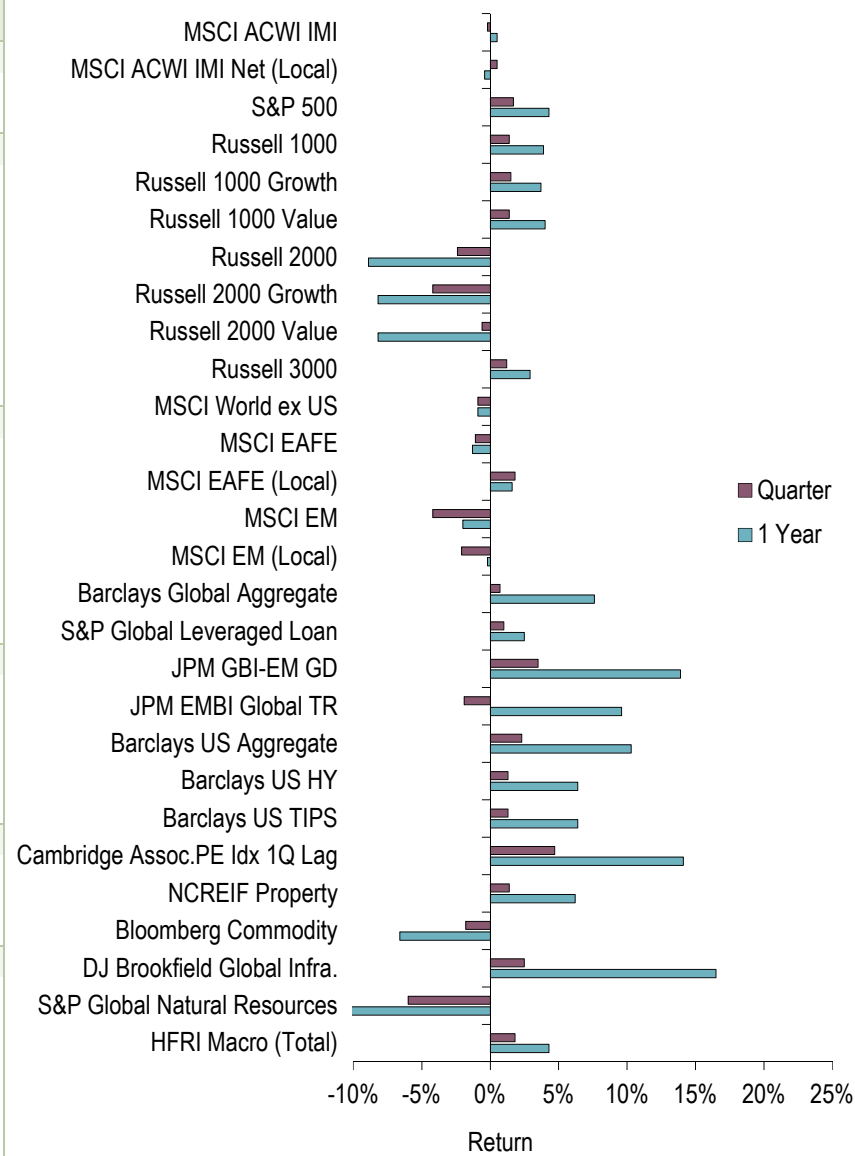
<b>Investment Manager</b>	<b>Asset Class</b>	<b>Watch List Status</b>	<b>Comments</b>
Cove Street Small Cap Value	U.S. Equity	Monitoring	Underperformance

<sup>1</sup> Watch List excludes Passive Funds and Other.

<sup>2</sup> Placement on the Watch List includes qualitative reasons and manager underperformance versus the appropriate benchmark over a three and or five year period as outlined in the Investment Policy Statement.

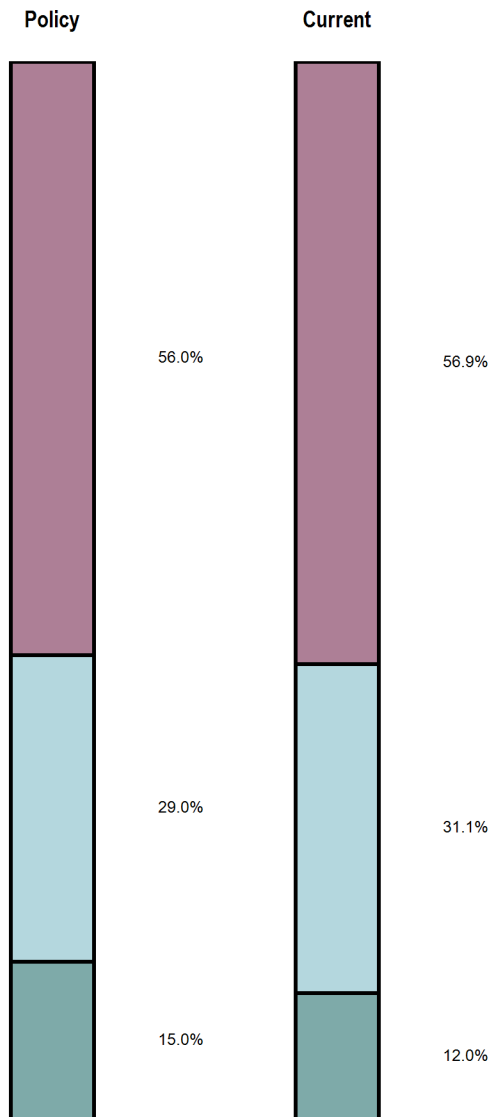


Benchmark	Scope	3Q19 (%)	1 YR (%)	3 YR (%)	5YR (%)	10 YR (%)
<b>Global Equity</b>						
MSCI ACWI IMI	World	-0.2	0.5	9.4	6.6	8.4
MSCI ACWI IMI Net (Local)	World (Local Currency)	0.5	-0.4	8.0	5.9	7.3
<b>Domestic Equity</b>						
S&P 500	Large Core	1.7	4.3	13.4	10.8	13.2
Russell 1000	Large Core	1.4	3.9	13.2	10.6	13.2
Russell 1000 Growth	Large Growth	1.5	3.7	16.9	13.4	14.9
Russell 1000 Value	Large Value	1.4	4.0	9.4	7.8	11.5
Russell 2000	Small Core	-2.4	-8.9	8.2	8.2	11.2
Russell 2000 Growth	Small Growth	-4.2	-9.6	9.8	9.1	12.2
Russell 2000 Value	Small Value	-0.6	-8.2	6.5	7.2	10.1
Russell 3000	All Cap Core	1.2	2.9	12.8	10.4	13.1
<b>International Equity</b>						
MSCI World ex US	World ex-US	-0.9	-0.9	6.5	3.1	4.8
MSCI EAFE	International Developed	-1.1	-1.3	6.5	3.3	4.9
MSCI EAFE (Local)	International Developed (Local Currency)	1.8	1.6	8.3	6.0	7.0
MSCI EM	Emerging Markets	-4.2	-2.0	6.0	2.3	3.4
MSCI EM (Local)	Emerging Markets (Local Currency)	-2.1	-0.2	7.6	5.5	5.9
<b>Global Fixed Income</b>						
Barclays Global Aggregate	Global Core Bonds	0.7	7.6	1.6	2.0	2.3
S&P Global Leveraged Loan	Bank Loans	1.0	2.5	4.4	3.4	5.0
JPM GBI-EM GD	Emerging Markets Bonds (Local Currency)	3.5	13.9	7.2	7.6	7.9
JPM EMBI Global TR	Emerging Market Bonds	-1.9	9.6	3.6	0.1	2.2
<b>Domestic Fixed Income</b>						
Barclays US Aggregate	Core Bonds	2.3	10.3	2.9	3.4	3.7
Barclays US HY	High Yield	1.3	6.4	6.1	5.4	7.9
Barclays US TIPS	Inflation	1.3	7.1	2.2	2.4	3.5
<b>Other</b>						
Cambridge Assoc. PE Index 1Q Lag	Private Equity	4.7	14.1	16.6	13.4	14.9
NCREIF Property	Real Estate	1.4	6.2	6.8	8.6	9.8
Bloomberg Commodity	Commodities	-1.8	-6.6	-1.5	-7.2	-4.3
DJ Brookfield Global Infrastructure	Infrastructure	2.5	16.5	7.8	5.2	10.9
S&P Global Natural Resources	Natural Resources	-6.0	-11.0	7.0	1.1	1.7
HFRI Macro	Hedge Funds	1.8	4.3	1.3	1.3	1.3



## 3Q19 Review

As of September 30, 2019



Allocation vs. Targets and Policy						
	Current Balance	Current Allocation	Policy	Difference	Policy Range	Within IPS Range?
<b>Growth</b>	<b>\$170,230,345</b>	<b>56.9%</b>	<b>56.0%</b>	<b>0.9%</b>	<b>40.0% - 70.0%</b>	<b>Yes</b>
Public Equity	\$170,230,345	56.9%	56.0%	0.9%	40.0% - 70.0%	Yes
<b>Zero Beta</b>	<b>\$93,086,301</b>	<b>31.1%</b>	<b>29.0%</b>	<b>2.1%</b>	<b>15.0% - 35.0%</b>	<b>Yes</b>
Short-Term IG Bonds	\$92,574,065	30.9%	29.0%	1.9%	15.0% - 35.0%	Yes
Cash	\$512,236	0.2%	0.0%	0.2%	0.0% - 5.0%	Yes
<b>Other</b>	<b>\$36,049,903</b>	<b>12.0%</b>	<b>15.0%</b>	<b>-3.0%</b>	<b>5.0% - 25.0%</b>	<b>Yes</b>
Core Real Estate	\$21,511,054	7.2%	10.0%	-2.8%	5.0% - 15.0%	Yes
Commodities	\$14,538,849	4.9%	5.0%	-0.1%	0.0% - 10.0%	Yes
<b>Total</b>	<b>\$299,366,548</b>	<b>100.0%</b>	<b>100.0%</b>			

As of September 30, 2019

## Asset Class Net Performance Summary

	Market Value (\$)	% of Portfolio	QTD (%)	Fiscal YTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
<b>Total Fund Aggregate</b>	<b>299,366,548</b>	<b>100.0</b>	<b>-0.2</b>	<b>-0.2</b>	<b>9.0</b>	<b>1.5</b>	<b>4.9</b>	<b>3.0</b>	<b>--</b>	<b>4.4</b>	<b>Jul-11</b>
<i>Policy Benchmark</i>			-0.3	-0.3	9.3	1.7	5.8	4.1	--	4.8	Jul-11
<i>InvMetrics Health &amp; Welfare \$250mm - \$1B Net Median</i>			1.3	1.3	9.7	5.4	5.9	4.9	5.6	5.2	Jul-11
<i>InvMetrics Health &amp; Welfare \$250mm - \$1B Net Rank</i>			99	99	64	99	79	90	--	75	Jul-11
<b>Growth</b>	<b>170,230,345</b>	<b>56.9</b>	<b>-0.9</b>	<b>-0.9</b>	<b>14.3</b>	<b>0.4</b>	<b>9.0</b>	<b>6.5</b>	<b>--</b>	<b>9.6</b>	<b>Dec-11</b>
<i>Public Equity Benchmark</i>			-0.8	-0.8	14.5	0.7	9.4	6.6	--	9.5	Dec-11
<b>Public Equity</b>	<b>170,230,345</b>	<b>56.9</b>	<b>-0.9</b>	<b>-0.9</b>	<b>14.3</b>	<b>0.4</b>	<b>9.0</b>	<b>6.5</b>	<b>--</b>	<b>9.6</b>	<b>Dec-11</b>
<i>Public Equity Benchmark</i>			-0.8	-0.8	14.5	0.7	9.4	6.6	--	9.5	Dec-11
<b>Global Equity</b>	<b>36,614,178</b>	<b>12.2</b>	<b>-0.6</b>	<b>-0.6</b>	<b>15.0</b>	<b>-0.3</b>	<b>7.8</b>	<b>--</b>	<b>--</b>	<b>6.3</b>	<b>Jul-15</b>
<i>MSCI ACWI IMI Net USD</i>			-0.2	-0.2	15.9	0.5	9.4	--	--	6.9	Jul-15
<b>U.S. Equity</b>	<b>65,108,131</b>	<b>21.7</b>	<b>1.0</b>	<b>1.0</b>	<b>19.9</b>	<b>2.7</b>	<b>12.0</b>	<b>--</b>	<b>--</b>	<b>10.0</b>	<b>Jul-15</b>
<i>Russell 3000</i>			1.2	1.2	20.1	2.9	12.8	--	--	10.6	Jul-15
<b>International Equity</b>	<b>27,358,845</b>	<b>9.1</b>	<b>-1.0</b>	<b>-1.0</b>	<b>13.1</b>	<b>-1.0</b>	<b>6.7</b>	<b>--</b>	<b>--</b>	<b>3.7</b>	<b>Jul-15</b>
<i>MSCI EAFE</i>			-1.1	-1.1	12.8	-1.3	6.5	--	--	3.4	Jul-15
<b>Emerging Markets Equity</b>	<b>41,149,192</b>	<b>13.7</b>	<b>-4.1</b>	<b>-4.1</b>	<b>6.1</b>	<b>-1.9</b>	<b>3.5</b>	<b>--</b>	<b>--</b>	<b>2.5</b>	<b>Jul-15</b>
<i>MSCI Emerging Markets</i>			-4.2	-4.2	5.9	-2.0	6.0	--	--	3.2	Jul-15

<sup>1</sup> Fiscal Year begins July 1.<sup>2</sup> Please see the Appendix for composition of the Policy Benchmark and Public Equity Benchmark.

## San Jose Federated Retiree Health Care 115 Trust

As of September 30, 2019

	Market Value (\$)	% of Portfolio	QTD (%)	Fiscal YTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
<b>Zero Beta</b>	<b>93,086,301</b>	<b>31.1</b>	<b>0.6</b>	<b>0.6</b>	<b>1.8</b>	<b>2.4</b>	<b>1.5</b>	<b>0.9</b>	<b>--</b>	<b>0.6</b>	<b>Jul-11</b>
<i>ICE BofAML 91 Days T-Bills TR</i>			0.6	0.6	1.8	2.4	1.5	1.0	--	0.6	Jul-11
<b>Cash</b>	<b>512,236</b>	<b>0.2</b>	<b>0.5</b>	<b>0.5</b>	<b>1.8</b>	<b>2.3</b>	<b>1.5</b>	<b>0.9</b>	<b>--</b>	<b>0.5</b>	<b>Jul-11</b>
<i>ICE BofAML 91 Days T-Bills TR</i>			0.6	0.6	1.8	2.4	1.5	1.0	--	0.6	Jul-11
<b>Short-Term IG Bonds</b>	<b>92,574,065</b>	<b>30.9</b>	<b>0.6</b>	<b>0.6</b>	<b>1.8</b>	<b>2.4</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>2.4</b>	<b>Oct-18</b>
<i>ICE BofAML 91 Days T-Bills TR</i>			0.6	0.6	1.8	2.4	--	--	--	2.4	Oct-18
<b>Other</b>	<b>36,049,903</b>	<b>12.0</b>	<b>0.7</b>	<b>0.7</b>	<b>5.0</b>	<b>3.7</b>	<b>3.0</b>	<b>--</b>	<b>--</b>	<b>2.2</b>	<b>Jul-15</b>
<i>Other Benchmark</i>			0.3	0.3	3.7	1.4	1.9	--	--	2.6	Jul-15
<b>Core Real Estate</b>	<b>21,511,054</b>	<b>7.2</b>	<b>1.2</b>	<b>1.2</b>	<b>5.6</b>	<b>6.5</b>	<b>6.9</b>	<b>--</b>	<b>--</b>	<b>6.8</b>	<b>Jul-15</b>
<i>NCREIF ODCE Equal Weighted (Net)</i>			1.2	1.2	3.8	5.3	6.7	--	--	7.8	Jul-15
<b>Commodities</b>	<b>14,538,849</b>	<b>4.9</b>	<b>0.1</b>	<b>0.1</b>	<b>3.7</b>	<b>-1.9</b>	<b>1.6</b>	<b>--</b>	<b>--</b>	<b>-3.8</b>	<b>Jan-15</b>
<i>Bloomberg Commodity Index TR USD</i>			-1.8	-1.8	3.1	-6.6	-1.5	--	--	-5.0	Jan-15

<sup>1</sup> Please see the Appendix for composition of the Other Benchmark.

## Total Fund Aggregate

As of September 30, 2019

## Trailing Net Performance

	Market Value (\$)	% of Portfolio	QTD (%)	Fiscal YTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
<b>Total Fund Aggregate</b>	<b>299,366,548</b>	<b>100.0</b>	<b>-0.2</b>	<b>-0.2</b>	<b>9.0</b>	<b>1.5</b>	<b>4.9</b>	<b>3.0</b>	<b>--</b>	<b>4.4</b>	<b>Jul-11</b>
Policy Benchmark			-0.3	-0.3	9.3	1.7	5.8	4.1	--	4.8	Jul-11
InvMetrics Health & Welfare \$250mm - \$1B Net Median			1.3	1.3	9.7	5.4	5.9	4.9	5.6	5.2	Jul-11
InvMetrics Health & Welfare \$250mm - \$1B Net Rank			99	99	64	99	79	90	--	75	Jul-11
<b>Growth</b>	<b>170,230,345</b>	<b>56.9</b>	<b>-0.9</b>	<b>-0.9</b>	<b>14.3</b>	<b>0.4</b>	<b>9.0</b>	<b>6.5</b>	<b>--</b>	<b>9.6</b>	<b>Dec-11</b>
Public Equity Benchmark			-0.8	-0.8	14.5	0.7	9.4	6.6	--	9.5	Dec-11
<b>Public Equity</b>	<b>170,230,345</b>	<b>56.9</b>	<b>-0.9</b>	<b>-0.9</b>	<b>14.3</b>	<b>0.4</b>	<b>9.0</b>	<b>6.5</b>	<b>--</b>	<b>9.6</b>	<b>Dec-11</b>
Public Equity Benchmark			-0.8	-0.8	14.5	0.7	9.4	6.6	--	9.5	Dec-11
<b>Global Equity</b>	<b>36,614,178</b>	<b>12.2</b>	<b>-0.6</b>	<b>-0.6</b>	<b>15.0</b>	<b>-0.3</b>	<b>7.8</b>	<b>--</b>	<b>--</b>	<b>6.3</b>	<b>Jul-15</b>
MSCI ACWI IMI Net USD			-0.2	-0.2	15.9	0.5	9.4	--	--	6.9	Jul-15
Artisan Global Value	36,614,178	12.2	-0.6	-0.6	15.0	-0.3	7.8	--	--	5.7	Jun-15
MSCI ACWI Value NR USD			-0.3	-0.3	12.0	0.0	7.4	--	--	4.4	Jun-15
eV All Global Equity Net Median			-0.2	-0.2	16.5	0.8	8.9	6.9	9.0	6.1	Jun-15
eV All Global Equity Net Rank			58	58	62	58	64	--	--	58	Jun-15
<b>U.S. Equity</b>	<b>65,108,131</b>	<b>21.7</b>	<b>1.0</b>	<b>1.0</b>	<b>19.9</b>	<b>2.7</b>	<b>12.0</b>	<b>--</b>	<b>--</b>	<b>10.0</b>	<b>Jul-15</b>
Russell 3000			1.2	1.2	20.1	2.9	12.8	--	--	10.6	Jul-15
Northern Trust Russell 3000	62,936,718	21.0	1.2	1.2	20.1	2.9	12.8	--	--	10.0	Jun-15
Russell 3000			1.2	1.2	20.1	2.9	12.8	--	--	9.9	Jun-15
Cove Street Small Cap Value	2,171,413	0.7	-4.2	-4.2	15.0	-1.9	5.7	--	--	5.3	Jun-15
Russell 2000 Value			-0.6	-0.6	12.8	-8.2	6.5	--	--	5.9	Jun-15
eV US Small Cap Value Equity Net Median			-0.3	-0.3	14.9	-6.8	6.2	6.4	10.7	5.2	Jun-15
eV US Small Cap Value Equity Net Rank			93	93	50	19	59	--	--	49	Jun-15



## Total Fund Aggregate

As of September 30, 2019

	Market Value (\$)	% of Portfolio	QTD (%)	Fiscal YTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
<b>International Equity</b>	<b>27,358,845</b>	<b>9.1</b>	<b>-1.0</b>	<b>-1.0</b>	<b>13.1</b>	<b>-1.0</b>	<b>6.7</b>	<b>--</b>	<b>--</b>	<b>3.7</b>	<b>Jul-15</b>
<i>MSCI EAFE</i>			-1.1	-1.1	12.8	-1.3	6.5	--	--	3.4	Jul-15
Northern Trust EAFE Index	27,358,845	9.1	-1.0	-1.0	13.1	-1.0	6.7	--	--	3.6	Jul-15
<i>MSCI EAFE</i>			-1.1	-1.1	12.8	-1.3	6.5	--	--	3.4	Jul-15
<b>Emerging Markets Equity</b>	<b>41,149,192</b>	<b>13.7</b>	<b>-4.1</b>	<b>-4.1</b>	<b>6.1</b>	<b>-1.9</b>	<b>3.5</b>	<b>--</b>	<b>--</b>	<b>2.5</b>	<b>Jul-15</b>
<i>MSCI Emerging Markets</i>			-4.2	-4.2	5.9	-2.0	6.0	--	--	3.2	Jul-15
Northern Trust MSCI EM	41,149,192	13.7	-4.1	-4.1	6.1	-1.9	--	--	--	-1.8	Aug-18
<i>MSCI Emerging Markets</i>			-4.2	-4.2	5.9	-2.0	--	--	--	-2.3	Aug-18
<b>Zero Beta</b>	<b>93,086,301</b>	<b>31.1</b>	<b>0.6</b>	<b>0.6</b>	<b>1.8</b>	<b>2.4</b>	<b>1.5</b>	<b>0.9</b>	<b>--</b>	<b>0.6</b>	<b>Jul-11</b>
<i>ICE BofAML 91 Days T-Bills TR</i>			0.6	0.6	1.8	2.4	1.5	1.0	--	0.6	Jul-11
<b>Cash</b>	<b>512,236</b>	<b>0.2</b>	<b>0.5</b>	<b>0.5</b>	<b>1.8</b>	<b>2.3</b>	<b>1.5</b>	<b>0.9</b>	<b>--</b>	<b>0.5</b>	<b>Jul-11</b>
<i>ICE BofAML 91 Days T-Bills TR</i>			0.6	0.6	1.8	2.4	1.5	1.0	--	0.6	Jul-11
<b>Short-Term IG Bonds</b>	<b>92,574,065</b>	<b>30.9</b>	<b>0.6</b>	<b>0.6</b>	<b>1.8</b>	<b>2.4</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>2.4</b>	<b>Oct-18</b>
<i>ICE BofAML 91 Days T-Bills TR</i>			0.6	0.6	1.8	2.4	--	--	--	2.4	Oct-18
BlackRock 3-Month T-Bill	92,574,065	30.9	0.6	0.6	1.8	2.4	--	--	--	2.4	Oct-18
<i>ICE BofAML 91 Days T-Bills TR</i>			0.6	0.6	1.8	2.4	--	--	--	2.4	Oct-18
<b>Other</b>	<b>36,049,903</b>	<b>12.0</b>	<b>0.7</b>	<b>0.7</b>	<b>5.0</b>	<b>3.7</b>	<b>3.0</b>	<b>--</b>	<b>--</b>	<b>2.2</b>	<b>Jul-15</b>
<i>Other Benchmark</i>			0.3	0.3	3.7	1.4	1.9	--	--	2.6	Jul-15
<b>Core Real Estate</b>	<b>21,511,054</b>	<b>7.2</b>	<b>1.2</b>	<b>1.2</b>	<b>5.6</b>	<b>6.5</b>	<b>6.9</b>	<b>--</b>	<b>--</b>	<b>6.8</b>	<b>Jul-15</b>
<i>NCREIF ODCE Equal Weighted (Net)</i>			1.2	1.2	3.8	5.3	6.7	--	--	7.8	Jul-15
American Core Realty Fund, LLC	4,749,524	1.6	1.6	1.6	6.5	8.6	7.2	--	--	7.1	Jul-15
<i>NCREIF ODCE Equal Weighted (Net)</i>			1.2	1.2	3.8	5.3	6.7	--	--	7.8	Jul-15

## Total Fund Aggregate

As of September 30, 2019

	Market Value (\$)	% of Portfolio	QTD (%)	Fiscal YTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
BlackRock Core Property Fund	4,508,703	1.5	0.0	0.0	--	--	--	--	--	2.4	Feb-19
<i>NCREIF ODCE Equal Weighted (Net)</i>			1.2	1.2	--	--	--	--	--	3.8	Feb-19
Clarion Lion Properties Fund	12,252,827	4.1	1.4	1.4	--	--	--	--	--	2.9	Apr-19
<i>NCREIF ODCE Equal Weighted (Net)</i>			1.2	1.2	--	--	--	--	--	2.3	Apr-19
<b>Commodities</b>	<b>14,538,849</b>	<b>4.9</b>	<b>0.1</b>	<b>0.1</b>	<b>3.7</b>	<b>-1.9</b>	<b>1.6</b>	<b>--</b>	<b>--</b>	<b>-3.8</b>	<b>Jan-15</b>
<i>Bloomberg Commodity Index TR USD</i>			-1.8	-1.8	3.1	-6.6	-1.5	--	--	-5.0	Jan-15
Credit Suisse Risk Parity Commodity Fund	14,538,849	4.9	0.1	0.1	3.7	-1.9	2.1	-4.7	--	-4.6	Aug-11
<i>Bloomberg Commodity Index TR USD</i>			-1.8	-1.8	3.1	-6.6	-1.5	-7.2	--	-8.1	Aug-11

<sup>1</sup> Infrastructure tracking error due to a cash position resulting from a delay in the ability to invest in certain markets.

## Total Fund Aggregate

As of September 30, 2019

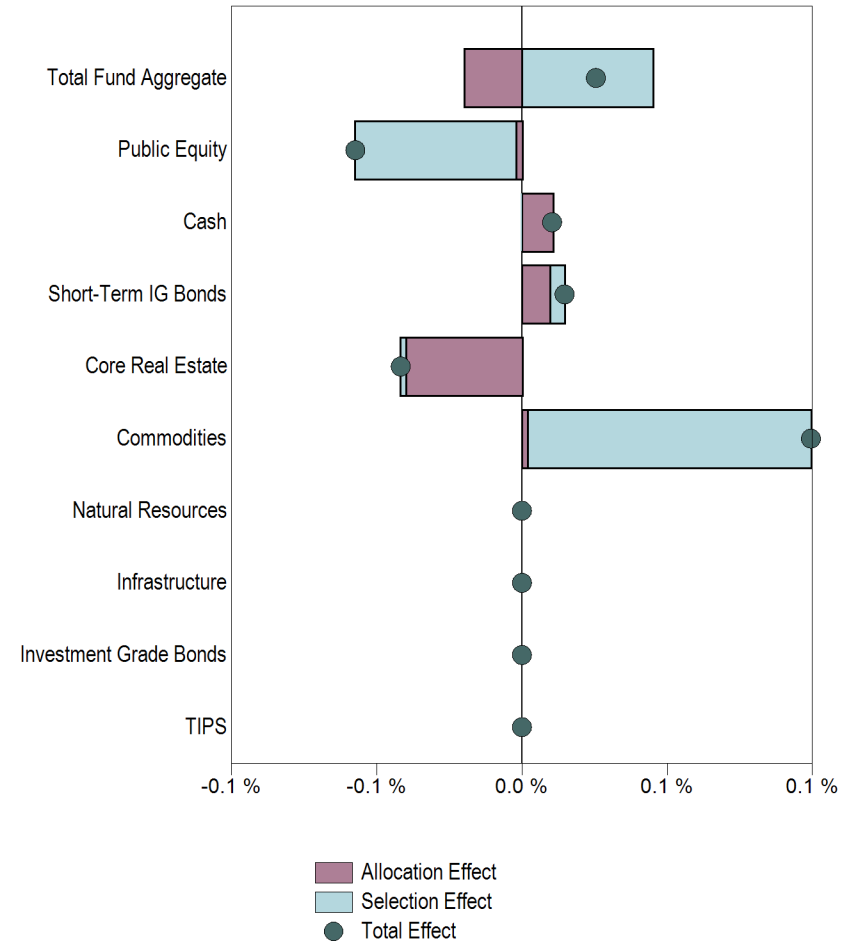
**Cash Flow Summary**  
**QTD Ending September 30, 2019**

	Beginning Market Value	Contributions	Withdrawals	Net Cash Flow	Net Investment Change	Ending Market Value
Artisan Global Value	\$36,849,158	\$0	\$0	\$0	-\$234,980	\$36,614,178
Northern Trust Russell 3000	\$62,208,802	\$0	\$0	\$0	\$727,916	\$62,936,718
Cove Street Small Cap Value	\$2,266,081	\$3,139	-\$3,139	\$0	-\$94,668	\$2,171,413
Northern Trust EAFE Index	\$26,590,573	\$1,000,000	\$0	\$1,000,000	-\$231,728	\$27,358,845
Northern Trust MSCI EM	\$40,804,169	\$2,000,000	\$0	\$2,000,000	-\$1,654,977	\$41,149,192
Internal Cash Account	\$3,538,941	\$10,933,723	-\$13,971,508	-\$3,037,786	\$11,080	\$512,236
BlackRock 3-Month T-Bill	\$90,042,881	\$2,000,000	\$0	\$2,000,000	\$531,185	\$92,574,065
PRISA	\$784,017	\$0	-\$784,017	-\$784,017	\$0	--
American Core Realty Fund, LLC	\$5,748,035	\$0	-\$1,096,459	-\$1,096,459	\$97,948	\$4,749,524
BlackRock Core Property Fund	\$2,282,254	\$2,250,000	-\$27,376	\$2,222,624	\$3,825	\$4,508,703
Clarion Lion Properties Fund	\$12,172,084	\$0	-\$118,683	-\$118,683	\$199,426	\$12,252,827
Credit Suisse Risk Parity Commodity Fund	\$14,520,035	\$0	-\$14,951	-\$14,951	\$33,764	\$14,538,849
Rhumbline Global LargeMid Natural Resources	\$0	\$0	\$0	\$0	\$0	--
<b>Total</b>	<b>\$297,807,029</b>	<b>\$18,186,861</b>	<b>-\$16,016,133</b>	<b>\$2,170,729</b>	<b>-\$611,210</b>	<b>\$299,366,548</b>

**Attribution Summary**  
3 Months Ending September 30, 2019

	Wtd. Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Total Effects
Public Equity	-0.9%	-0.8%	-0.1%	-0.1%	0.0%	-0.1%
Cash	0.5%	0.6%	-0.1%	0.0%	0.0%	0.0%
Short-Term IG Bonds	0.6%	0.6%	0.0%	0.0%	0.0%	0.0%
Core Real Estate	1.2%	1.2%	0.0%	0.0%	0.0%	0.0%
Commodities	0.1%	-1.8%	2.0%	0.1%	0.0%	0.1%
Natural Resources	--	--	--	--	0.0%	--
Infrastructure	--	--	--	--	0.0%	--
Investment Grade Bonds	--	--	--	--	0.0%	--
TIPS	--	--	--	--	0.0%	--
<b>Total</b>	<b>-0.2%</b>	<b>-0.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>

**Attribution Effects**  
3 Months Ending September 30, 2019



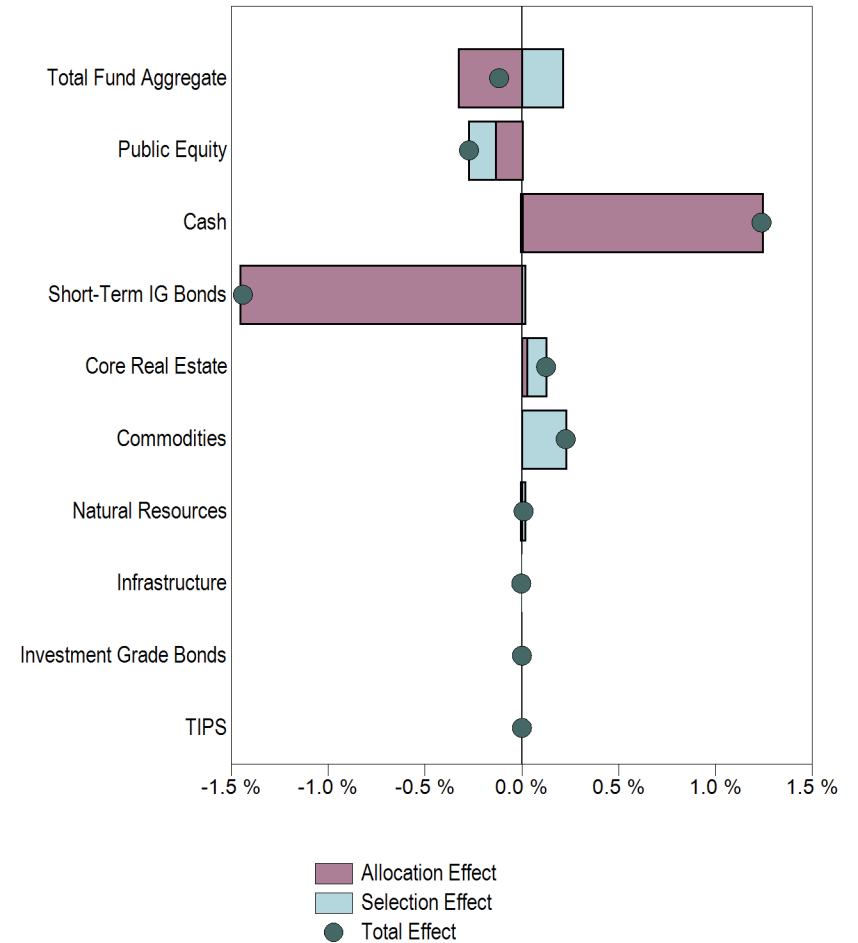
<sup>1</sup> Difference in attribution returns and returns in the performance summary may occur as a result of the different calculation methodologies that are applied by InvestorForce.



**Attribution Summary**  
1 Year Ending September 30, 2019

	Wtd. Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Total Effects
Public Equity	0.4%	0.7%	-0.3%	-0.1%	-0.1%	-0.3%
Cash	2.3%	2.4%	-0.1%	0.0%	1.2%	1.2%
Short-Term IG Bonds	2.4%	2.4%	0.1%	0.0%	-1.5%	-1.4%
Core Real Estate	6.5%	5.3%	1.2%	0.1%	0.0%	0.1%
Commodities	-1.9%	-6.6%	4.7%	0.2%	0.0%	0.2%
Natural Resources	--	-5.3%	--	0.0%	0.0%	0.0%
Infrastructure	--	13.6%	--	0.0%	0.0%	0.0%
Investment Grade Bonds	--	1.2%	--	0.0%	0.0%	0.0%
TIPS	--	-0.2%	--	0.0%	0.0%	0.0%
<b>Total</b>	<b>1.5%</b>	<b>1.6%</b>	<b>-0.1%</b>	<b>0.2%</b>	<b>-0.3%</b>	<b>-0.1%</b>

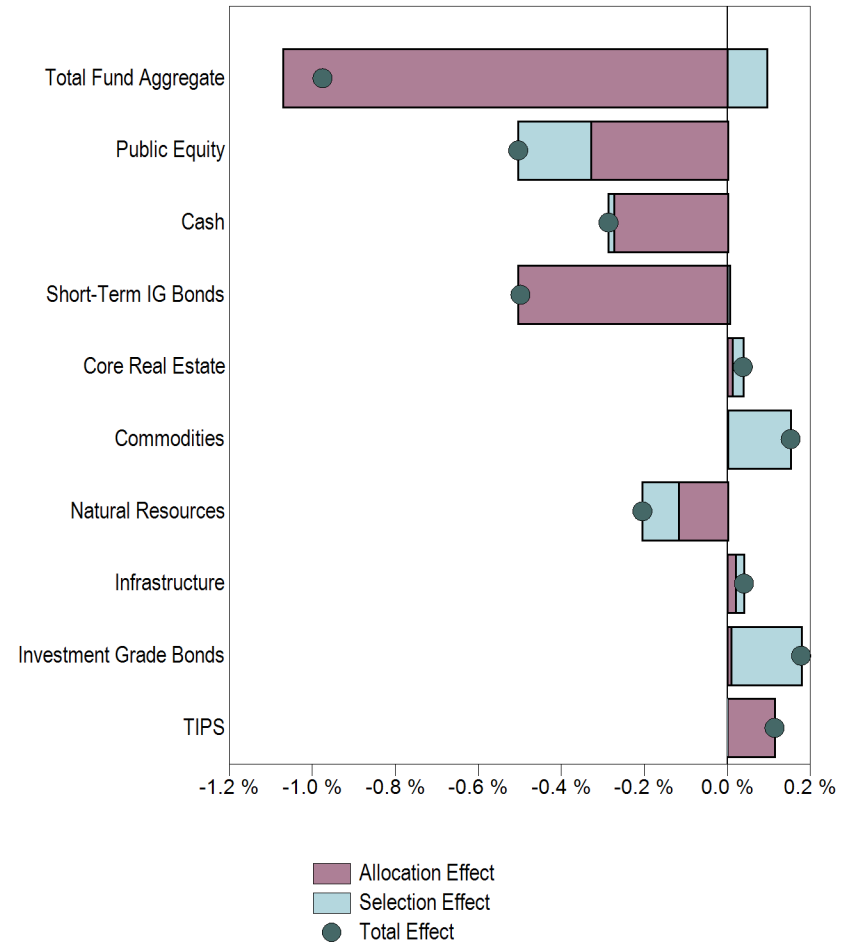
**Attribution Effects**  
1 Year Ending September 30, 2019



**Attribution Summary**  
3 Years Ending September 30, 2019

	Wtd. Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Total Effects
Public Equity	9.0%	9.4%	-0.4%	-0.2%	-0.3%	-0.5%
Cash	1.5%	1.5%	-0.1%	0.0%	-0.3%	-0.3%
Short-Term IG Bonds	--	0.8%	--	0.0%	-0.5%	-0.5%
Core Real Estate	6.9%	6.7%	0.2%	0.0%	0.0%	0.0%
Commodities	1.6%	-1.5%	3.1%	0.2%	0.0%	0.2%
Natural Resources	--	9.2%	--	-0.1%	-0.1%	-0.2%
Infrastructure	--	6.9%	--	0.0%	0.0%	0.0%
Investment Grade Bonds	--	-0.5%	--	0.2%	0.0%	0.2%
TIPS	--	0.2%	--	0.0%	0.1%	0.1%
<b>Total</b>	<b>5.0%</b>	<b>6.0%</b>	<b>-1.0%</b>	<b>0.1%</b>	<b>-1.1%</b>	<b>-1.0%</b>

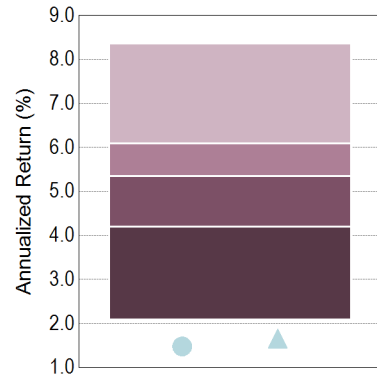
**Attribution Effects**  
3 Years Ending September 30, 2019



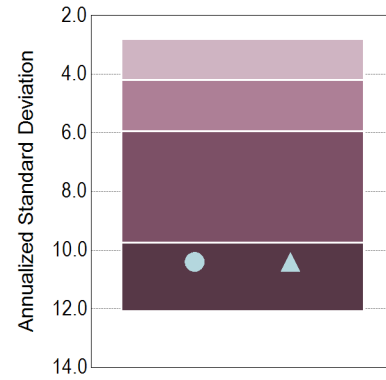
Total Fund Risk Statistics vs. Peer Universe (Trailing 1 Year)

As of September 30, 2019

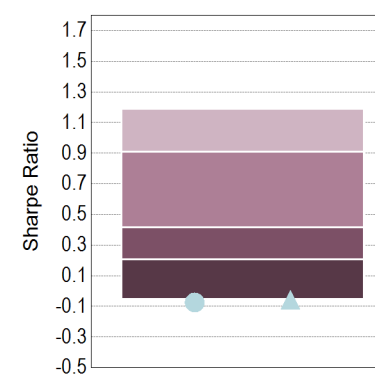
**Annualized Return (%)**  
vs. InvMetrics Health & Welfare \$250mm  
- \$1B Net



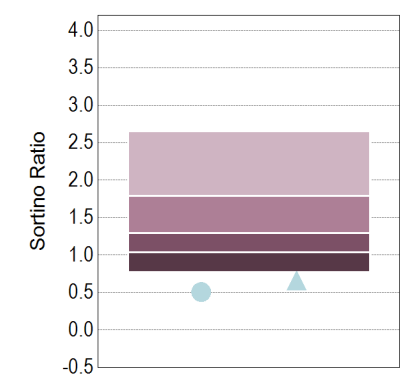
**Annualized Standard Deviation**  
vs. InvMetrics Health & Welfare \$250mm  
- \$1B Net



**Sharpe Ratio**  
vs. InvMetrics Health & Welfare \$250mm  
- \$1B Net



**Sortino Ratio**  
vs. InvMetrics Health & Welfare \$250mm  
- \$1B Net



● Total Fund Aggregate	
Value	1.5
Rank	99
▲ Policy Benchmark	
Value	1.7
Rank	99
Universe	
5th %tile	8.4
25th %tile	6.1
Median	5.4
75th %tile	4.2
95th %tile	2.1

● Total Fund Aggregate	
Value	10.4
Rank	79
▲ Policy Benchmark	
Value	10.4
Rank	79
Universe	
5th %tile	2.8
25th %tile	4.2
Median	5.9
75th %tile	9.7
95th %tile	12.1

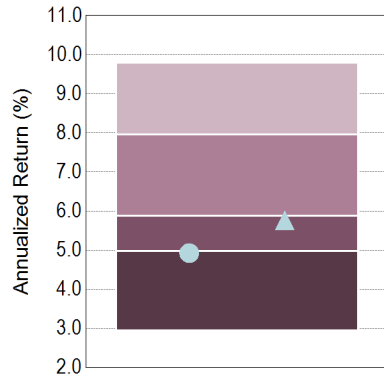
● Total Fund Aggregate	
Value	-0.1
Rank	97
▲ Policy Benchmark	
Value	-0.1
Rank	96
Universe	
5th %tile	1.2
25th %tile	0.9
Median	0.4
75th %tile	0.2
95th %tile	0.0

● Total Fund Aggregate	
Value	0.5
Rank	99
▲ Policy Benchmark	
Value	0.7
Rank	99
Universe	
5th %tile	2.7
25th %tile	1.8
Median	1.3
75th %tile	1.0
95th %tile	0.8

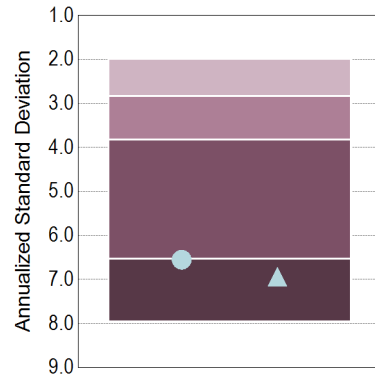
Total Fund Risk Statistics vs. Peer Universe (Trailing 3 Years)

As of September 30, 2019

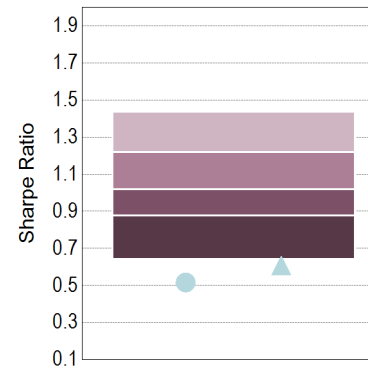
**Annualized Return (%)**  
vs. InvMetrics Health & Welfare \$250mm  
- \$1B Net



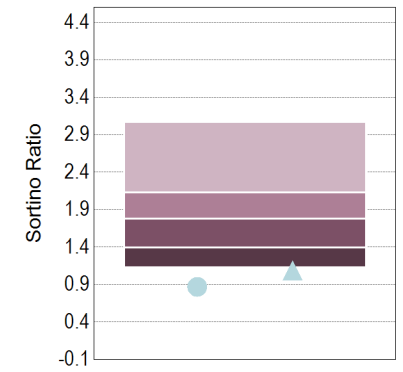
**Annualized Standard Deviation**  
vs. InvMetrics Health & Welfare \$250mm  
- \$1B Net



**Sharpe Ratio**  
vs. InvMetrics Health & Welfare \$250mm  
- \$1B Net



**Sortino Ratio**  
vs. InvMetrics Health & Welfare \$250mm  
- \$1B Net



● Total Fund Aggregate	
Value	4.9
Rank	79
▲ Policy Benchmark	
Value	5.8
Rank	54
Universe	
5th %tile	9.8
25th %tile	8.0
Median	5.9
75th %tile	5.0
95th %tile	3.0

● Total Fund Aggregate	
Value	6.6
Rank	76
▲ Policy Benchmark	
Value	6.9
Rank	79
Universe	
5th %tile	2.0
25th %tile	2.8
Median	3.8
75th %tile	6.5
95th %tile	7.9

● Total Fund Aggregate	
Value	0.5
Rank	99
▲ Policy Benchmark	
Value	0.6
Rank	96
Universe	
5th %tile	1.4
25th %tile	1.2
Median	1.0
75th %tile	0.9
95th %tile	0.6

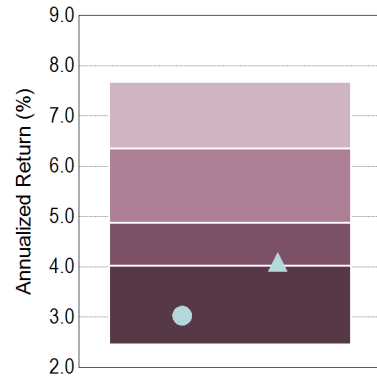
● Total Fund Aggregate	
Value	0.9
Rank	99
▲ Policy Benchmark	
Value	1.1
Rank	99
Universe	
5th %tile	3.1
25th %tile	2.1
Median	1.8
75th %tile	1.4
95th %tile	1.1



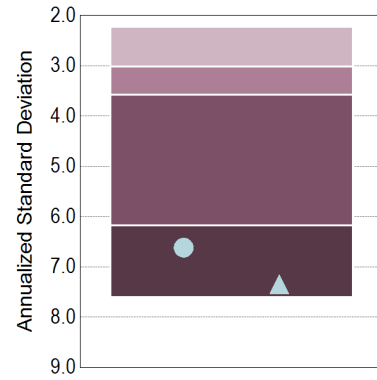
Total Fund Risk Statistics vs. Peer Universe (Trailing 5 Years)

As of September 30, 2019

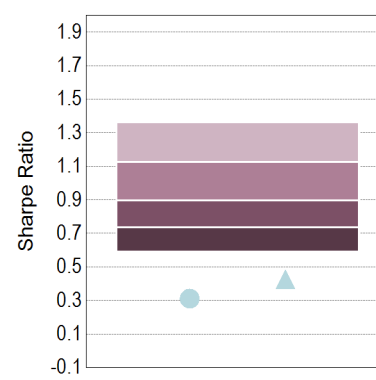
**Annualized Return (%)**  
vs. InvMetrics Health & Welfare \$250mm  
- \$1B Net



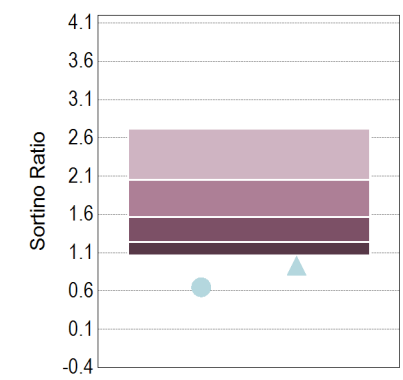
**Annualized Standard Deviation**  
vs. InvMetrics Health & Welfare \$250mm  
- \$1B Net



**Sharpe Ratio**  
vs. InvMetrics Health & Welfare \$250mm  
- \$1B Net



**Sortino Ratio**  
vs. InvMetrics Health & Welfare \$250mm  
- \$1B Net



● Total Fund Aggregate	
Value	3.0
Rank	90
▲ Policy Benchmark	
Value	4.1
Rank	74
Universe	
5th %tile	7.7
25th %tile	6.4
Median	4.9
75th %tile	4.0
95th %tile	2.5

● Total Fund Aggregate	
Value	6.6
Rank	77
▲ Policy Benchmark	
Value	7.3
Rank	86
Universe	
5th %tile	2.2
25th %tile	3.0
Median	3.6
75th %tile	6.2
95th %tile	7.6

● Total Fund Aggregate	
Value	0.3
Rank	99
▲ Policy Benchmark	
Value	0.4
Rank	99
Universe	
5th %tile	1.4
25th %tile	1.1
Median	0.9
75th %tile	0.7
95th %tile	0.6

● Total Fund Aggregate	
Value	0.6
Rank	99
▲ Policy Benchmark	
Value	0.9
Rank	99
Universe	
5th %tile	2.7
25th %tile	2.1
Median	1.6
75th %tile	1.2
95th %tile	1.1

As of September 30, 2019

**Benchmark History**  
As of September 30, 2019

Total Fund Aggregate		
10/1/2018	Present	28% Russell 3000 / 13% MSCI EAFE / 15% MSCI Emerging Markets / 29% ICE BofAML 91 Days T-Bills TR / 10% NCREIF ODCE Equal Weighted / 5% Bloomberg Commodity Index TR USD
5/1/2018	9/30/2018	55% MSCI ACWI IMI Net USD / 28% BBGBarc Global Aggregate TR / 5% Bloomberg Commodity Index TR USD / 4% S&P Global Natural Resources Index TR USD / 8% NCREIF ODCE Equal Weighted (Net)
7/1/2011	4/30/2018	46.7% MSCI ACWI IMI Net USD / 30.3% BBGBarc Global Aggregate TR / 6% Bloomberg Commodity Index TR USD / 5% S&P Global Natural Resources Index TR USD / 7% NCREIF ODCE Equal Weighted (Net) / 5% DJ Brookfield Global Infrastructure Net TR USD
Growth		
10/1/2018	Present	50% Russell 3000 / 23.21% MSCI EAFE / 26.79% MSCI Emerging Markets
12/1/2011	9/30/2018	MSCI ACWI IMI Net USD
Public Equity		
10/1/2018	Present	50% Russell 3000 / 23.21% MSCI EAFE / 26.79% MSCI Emerging Markets
12/1/2011	9/30/2018	MSCI ACWI IMI Net USD
Global Equity		
7/1/2015	Present	MSCI ACWI IMI Net USD
U.S. Equity		
7/1/2015	Present	Russell 3000
International Equity		
7/1/2015	Present	MSCI EAFE
Emerging Markets Equity		
7/1/2015	Present	MSCI Emerging Markets
Zero Beta		
7/1/2011	Present	ICE BofAML 91 Days T-Bills TR
Cash		
7/1/2011	Present	ICE BofAML 91 Days T-Bills TR
Short-Term IG Bonds		
10/1/2018	Present	ICE BofAML 91 Days T-Bills TR
Other		
10/1/2018	Present	66.67% NCREIF-ODCE / 33.33% Bloomberg Commodity Index TR USD
5/1/2018	9/30/2018	62.22% BBGBarc Global Aggregate TR / 17.78% NCREIF Property Index / 11.11% Bloomberg Commodity Index TR USD / 88.9% S&P Global Natural Resources Index TR USD
7/1/2015	4/30/2018	56.85% BBGBarc Global Aggregate TR / 13.13% NCREIF Property Index / 11.26% Bloomberg Commodity Index TR USD / 93.8% S&P Global Natural Resources Index TR USD / 93.8% DJ Brookfield Global Infrastructure Net TR USD

As of September 30, 2019

Core Real Estate		
7/1/2015	Present	NCREIF ODCE Equal Weighted (Net)
Commodities		
1/1/2015	Present	Bloomberg Commodity Index TR USD
Natural Resources		
6/1/2015	Present	S&P Global Natural Resources Index TR USD
Infrastructure		
6/1/2015	Present	DJ Brookfield Global Infrastructure Net TR USD
Investment Grade Bonds		
1/1/2015	Present	BBgBarc Global Aggregate TR
TIPS		
3/1/2017	Present	100% BBgBarc US Treasury TIPS 0-5 Yr TR

## **Glossary and Notes**

**Credit Risk:** Refers to the risk that the issuer of a fixed income security may default (i.e., the issuer will be unable to make timely principal and/or interest payments on the security.)

**Duration:** Measure of the sensitivity of the price of a bond to a change in its yield to maturity. Duration summarizes, in a single number, the characteristics that cause bond prices to change in response to a change in interest rates. For example, the price of a bond with a duration of three years will rise by approximately 3% for each 1% decrease in its yield to maturity. Conversely, the price will decrease 3% for each 1% increase in the bond's yield. Price changes for two different bonds can be compared using duration. A bond with a duration of six years will exhibit twice the percentage price change of a bond with a three-year duration. The actual calculation of a bond's duration is somewhat complicated, but the idea behind the calculation is straightforward. The first step is to measure the time interval until receipt for each cash flow (coupon and principal payments) from a bond. The second step is to compute a weighted average of these time intervals. Each time interval is measured by the present value of that cash flow. This weighted average is the duration of the bond measured in years.

**Information Ratio:** This statistic is a measure of the consistency of a portfolio's performance relative to a benchmark. It is calculated by subtracting the benchmark return from the portfolio return (excess return), and dividing the resulting excess return by the standard deviation (volatility) of this excess return. A positive information ratio indicates outperformance versus the benchmark, and the higher the information ratio, the more consistent the outperformance.

**Jensen's Alpha:** A measure of the average return of a portfolio or investment in excess of what is predicted by its beta or "market" risk.  $\text{Portfolio Return} - [\text{Risk Free Rate} + \text{Beta} * (\text{market return} - \text{Risk Free Rate})]$ .

**Market Capitalization:** For a firm, market capitalization is the total market value of outstanding common stock. For a portfolio, market capitalization is the sum of the capitalization of each company weighted by the ratio of holdings in that company to total portfolio holdings; thus it is a weighted-average capitalization. Meketa Investment Group considers the largest 65% of the broad domestic equity market as large capitalization, the next 25% of the market as medium capitalization, and the smallest 10% of stocks as small capitalization.

**Market Weighted:** Stocks in many indices are weighted based on the total market capitalization of the issue. Thus, the individual returns of higher market-capitalization issues will more heavily influence an index's return than the returns of the smaller market-capitalization issues in the index.

**Maturity:** The date on which a loan, bond, mortgage, or other debt/security becomes due and is to be paid off.

**Prepayment Risk:** The risk that prepayments will increase (homeowners will prepay all or part of their mortgage) when mortgage interest rates decline; hence, investors' monies will be returned to them in a lower interest rate environment. Also, the risk that prepayments will slow down when mortgage interest rates rise; hence, investors will not have as much money as previously anticipated in a higher interest rate environment. A prepayment is any payment in excess of the scheduled mortgage payment.

**Price-Book Value (P/B) Ratio:** The current market price of a stock divided by its book value per share. Meketa Investment Group calculates P/B as the current price divided by Compustat's quarterly common equity. Common equity includes common stock, capital surplus, retained earnings, and treasury stock adjusted for both common and nonredeemable preferred stock. Similar to high P/E stocks, stocks with high P/B's tend to be riskier investments.

**Price-Earnings (P/E) Ratio:** A stock's market price divided by its current or estimated future earnings. Lower P/E ratios often characterize stocks in low growth or mature industries, stocks in groups that have fallen out of favor, or stocks of established blue chip companies with long records of stable earnings and regular dividends. Sometimes a company that has good fundamentals may be viewed unfavorably by the market if it is an industry that is temporarily out of favor. Or a business may have experienced financial problems causing investors to be skeptical about its future. Either of these situations would result in lower relative P/E ratios. Some stocks exhibit above-average sales and earnings growth or expectations for above average growth. Consequently, investors are willing to pay more for these companies' earnings, which results in elevated P/E ratios. In other words, investors will pay more for shares of companies whose profits, in their opinion, are expected to increase faster than average. Because future events are in no way assured, high P/E stocks tend to be riskier and more volatile investments. Meketa Investment Group calculates P/E as the current price divided by the I/B/E/S consensus of twelve-month forecast earnings per share.

**Quality Rating:** The rank assigned a security by such rating services as Fitch, Moody's, and Standard & Poor's. The rating may be determined by such factors as (1) the likelihood of fulfillment of dividend, income, and principal payment of obligations; (2) the nature and provisions of the issue; and (3) the security's relative position in the event of liquidation of the company. Bonds assigned the top four grades (AAA, AA, A, BBB) are considered investment grade because they are eligible bank investments as determined by the controller of the currency.

**Sharpe Ratio:** A commonly used measure of risk-adjusted return. It is calculated by subtracting the risk free return (usually three-month Treasury bill) from the portfolio return and dividing the resulting excess return by the portfolio's total risk level (standard deviation). The result is a measure of return per unit of total risk taken. The higher the Sharpe ratio, the better the fund's historical risk adjusted performance.

**Standard Deviation:** A measure of the total risk of an asset or a portfolio. Standard deviation measures the dispersion of a set of numbers around a central point (e.g., the average return). If the standard deviation is small, the distribution is concentrated within a narrow range of values. For a normal distribution, about two thirds of the observations will fall within one standard deviation of the mean, and 95% of the observations will fall within two standard deviations of the mean.

**STIF Account:** Short-term investment fund at a custodian bank that invests in cash-equivalent instruments. It is generally used to safely invest the excess cash held by portfolio managers.

**Style:** The description of the type of approach and strategy utilized by an investment manager to manage funds. For example, the style for equities is determined by portfolio characteristics such as price-to-book value, price-to-earnings ratio, and dividend yield. Equity styles include growth, value, and core.

**Yield to Maturity:** The yield, or return, provided by a bond to its maturity date; determined by a mathematical process, usually requiring the use of a “basis book.” For example, a 5% bond pays \$5 a year interest on each \$100 par value. To figure its current yield, divide \$5 by \$95—the market price of the bond—and you get 5.26%. Assume that the same bond is due to mature in five years. On the maturity date, the issuer is pledged to pay \$100 for the bond that can be bought now for \$95. In other words, the bond is selling at a discount of 5% below par value. To figure yield to maturity, a simple and approximate method is to divide 5% by the five years to maturity, which equals 1% pro rata yearly. Add that 1% to the 5.26% current yield, and the yield to maturity is roughly 6.26%.

$$\frac{5\% \text{ (discount)}}{5 \text{ (yrs. to maturity)}} = 1\% \text{ pro rata, plus } 5.26\% \text{ (current yield)} = 6.26\% \text{ (yield to maturity)}$$

Sources: [Investment Terminology](#), International Foundation of Employee Benefit Plans, 1999.  
[The Handbook of Fixed Income Securities](#), Fabozzi, Frank J., 1991.

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Throughout this report, numbers may not sum due to rounding.

Returns for periods greater than one year are annualized throughout this report.

Values shown are in millions of dollars, unless noted otherwise.