

As of December 31, 2019

Fourth Quarter Review

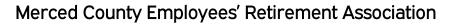




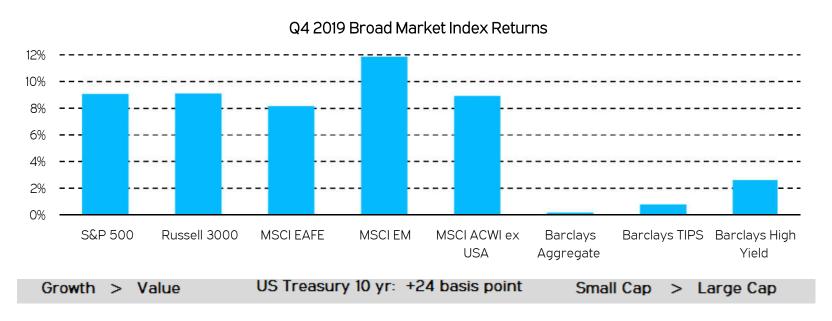
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As of December 31, 2019

Market Summary for the Fourth Quarter 2019

During the fourth quarter, global equity markets surged on the prospect of a U.S- China trade agreement being signed, improving economic data in Europe, Brexit uncertainty moving closer toward resolution, and further commitment to monetary policy easing in the US and China. U.S Equity markets were up +9.1%, International Developed Equity was up +8.2%, as expressed by the Russell 3000 and MSCI EAFE indexes. Emerging Markets posted the highest returns, with the MSCI Emerging Markets Index returning +11.8%. Fixed Income markets were up for the quarter, reflecting expectations for a sustained low interest rate environment, and the yield curve steepening as short term rates fell while long term rates increased.





Executive Summary – Q4 2019

Total Marke	et Value	Q4 Results		QTD Relative Results
Q4 2019	\$909,213,596	MCERA	4.9%	MCERA vs Policy Benchmark +0.2%
Q3 2019	\$866,302,483	Policy Benchmark	4.7%	

Contribution to QTD Return

Major aggregates were mostly positive for Q4 2019.

The Total Equity sleeve was the key positive contributor during Q4 2019. Within that sleeve, US Equity led with +9.1% for the quarter. Developed International Equity and Emerging Markets Equity were also positive, returning +9.0% and +12.8% respectively.

Private Real Estate and Private Equity were the only asset classes that reported negative returns for the quarter, posting -2.8% and -0.1% respectively.

Public Manager Highlights Q4 2019

7 out of 9 Public Active Managers¹ either outpaced or matched their respective benchmarks for Q4 2019.

Total Equity (Active)

- US Equity (+9.1%) trailed its benchmark by 10 basis points. Mellon Dynamic US Equity (+9.2%) was the only manager in this sleeve to outpace its benchmark (+9.1%).
- Developed International Equity returned +9.0% to outperform its benchmark, the MSCI EAFE, by +0.8%. Both active managers in this sleeve, Driehaus and Acadian outperformed their respective benchmarks by +0.6% and +1.6% respectively.
- Emerging Markets Equity posted +12.8%, to beat its benchmark by +0.9%. This outperformance was entirely attributable to Wells Capital, which returned +13.3% for the quarter. Large cash movements at the end of December to fund new managers created a cash drag on performance.

Total Fixed Income (Active)

• All three active managers in the Total Fixed Income sleeve outpaced their benchmarks. Barrow Hanley returned +0.3% beating its benchmark by +0.1%. GoldenTree returned +2.4% while PIMCO Income returned +2.5%, to beat their benchmarks by +0.3% and +2.3% respectively and produce outperformance of +1.3% for the Opportunistic Credit sleeve.

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¹ Excludes Public Managers that do not have a full quarter of performance, Private Markets and Hedge Fund Managers.



Manager Updates/ Recommendations/ Watch List

Asset Allocation and Manager Update

- Decision made by the Board to replace Mellon International with a 50/50 allocation to GQG International Equity and First Eagle International Value Equity was implemented in December.
- The Board had also approved the termination of Wells Fargo Berkeley Street Emerging Markets, and replacement with a 70/30 allocation to Artisan Developing World and RWC Emerging Markets Equity. The termination and replacement was implemented in December.

Performance Report Update

The Board approved Meketa's proposed benchmark changes. These will go into effect in Q1 2020 reporting.

Watch List

No funds on the watch list.



Executive Summary

Active Manager Expectations

Manager	Strategy Description	Beta (High/Neutral/Low)	Tracking Error Range (bps)	Environments Manager Underperforms
Domestic Equity				
DFA U.S. Small Cap Trust	Very diversified small cap portfolio, tilts toward value	Neutral	2.0% to 2.7%	In growth-oriented markets
PanAgora U.S. Small Cap Core Stock Selector	Diversified, quantitatively managed small cap portfolio	Neutral	2.5% to 4.0%	In low quality rallies or at market inflection points
Mellon Capital MCM Dynamic U.S. Equity	Very diversified, quantitative, large cap core portfolio	Neutral (higher in more recent periods)	2.5% to 5.0%	When investors misprice forward looking return/risk characteristics; when returns are concentrated in one sector
Developed Markets Equity (Non-U.S.)				
Driehaus International Small Cap Growth	Diversified growth manager that seeks to invest in companies experiencing positive growth inflections, using a combination of fundamental and macroeconomic analysis.	Low	4.0% to 7.0%	At market inflection points, with abrupt leadership change. Deep value, low quality market environments.
Acadian ACWI ex US Small Cap Equity	Very diversified international small cap portfolio, employing highly adaptive quantitative models	Neutral	2.5% to 4.5%	During narrow markets, abrupt changes in leadership. In "value" challenged periods.
First Eagle International Value Fund	Benchmark agnostic, diversified international value manager with strategic gold allocation and willingness to utilize cash when valuations are elevated across the market	Low	5.0% to 10.0%	In growth- and momentum-led rallies, where value discipline and an allocation to cash will be headwinds, and if physical gold underperforms.
GQG International Equity	Benchmark agnostic, concentrated international quality-growth equity manager with valuation discipline and macro awareness. Willing to invest in US-listed companies.	Low	5.0% to 10.0%	In cyclical recoveries where deep value, asset-heavy, smaller cap stocks, rally.

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Executive Summary

Active Manager Expectations (continued)

Manager	Strategy Description	Beta (High/Neutral/Low)	Tracking Error Range (bps)	Environments Manager Underperforms
Emerging Markets Equity				
Artisan Developing World	Concentrated, benchmark agnostic emerging markets strategy focused on high quality companies, overlaid with top-down macro (currency) awareness.	Neutral	5.0% to 10.0%	During cyclical rallies concentrated in deeper value, smaller cap stocks.
RWC Emerging Markets	Concentrated, growth-at-a-reasonable-price emerging markets equity strategy focused on mid cap stocks	High	6.0% to 10.0%	Narrow rallies in large cap stocks where small and mid caps lag, periods of heightened market volatility, deep drawdowns in asset-heavy cyclicals
Investment Grade Bonds				
Barrow Hanley Core Fixed Income	Conservative, low tracking-error core strategy focused on bottom-up security selection	Neutral	0.2% to 0.7%	At market Inflection points, but should track the index very closely
Opportunistic Credit				
PIMCO Income	Global multi-sector, benchmark agnostic approach, utilizing firm's resources to identify best income ideas while staying senior in the capital structure	Low	1.5% to 3.5%	During periods of lower quality bond rallies and volatility in interest rates and certain currencies
GoldenTree Multi-Sector Credit	Bottom-up security selection, managing risk and adding value through credit sector rotation	Low	2.5% to 4.5%	During initial periods of economic recovery and rapid spread tightening

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Executive Summary

Manager Monitor

	Significant Events	Last Meeting with Board of	Last Meeting	
Manager	(Yes/No)	Retirement	with MIG	Comments
Domestic Equity Assets				
Mellon Capital BNY Mellon MCM Dynamic US Equity Fund	No	-	Mar-17	Merger of smaller boutiques – Met Mellon in March 2017 to go over
				HY Beta Strategy & conference call for Carbon Efficiency strategy.
Mellon Capital EB DV Large Cap Stock Index Fund	No	-	Mar-17	Merger of smaller boutiques – Met Mellon in March 2017 to go over
				HY Beta Strategy & conference call for Carbon Efficiency strategy.
DFA US Small Cap Trust	No	-	Sep-19	On site with DFA to discuss non-U.S. equities in September of this year.
PanAgora US Small Cap Core Stock Selector	No	-	Aug-18	CEO Eric Sorensen, who is credited with turning the firm around, has not
				announced a plan to retire and no formal succession plan is in place. We
				do not recommend any changes at this time.
Developed Markets Equity (Non-U.S.) Assets				
Driehaus International Small Cap Growth	No	-	Oct-19	Review of strategy, no changes to conviction level.
Acadian ACWI ex US Small Cap Equity	No	-	Mar-19	Review of strategy, no changes to conviction level.
First Eagle International Value Fund			Nov-19	Review of strategy, no changes to conviction level.
GQG International Equity	No	-	Feb-19	Review of strategy, no changes to conviction level.
Emerging Markets Equity Assets				
Artisan Developing World			Apr-19	Review of strategy, no changes to conviction level.
RWC Emerging Markets	No	-	Feb-19	Review of strategy, no changes to conviction level.
US Fixed Income Assets				
Barrow Hanley Core Fixed Income Fund	No	Apr-19	Apr-19	Standard update from Barrow team – review of Core Fixed and Short Duration.
Vanguard Total Bond Market				
Vanguard Short Term Treasury Index Fund	No	-	Aug-19	Review of High Yield strategy.
Opportunistic Credit				
PIMCO Income Fund	No	-	Jun-19	Regular high-level meeting discussing positioning and detractors for
				Income and Total Return strategies.
GoldenTree Multi-Sector Credit	No	-	Jul-19	Meeting in London for regular strategy update.
Private Equity Program	N/A	N/A	N/A	Oversight by Cliffwater.
Real Assets Program	N/A	N/A	N/A	Oversight by Cliffwater.
Hedge Fund Program	N/A	N/A	N/A	Oversight by Cliffwater.

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Active Manager Peer Rankings¹

Investment Managers	Product	Peer Group	Market Value (\$ mm)	1YR	3YR	5YR	10YR	Client Inception	Years in Portfolio
DFA	US Small Cap Equity Strategy	US Small Cap Core	19	70	74	61	52	14-Jun	5.6
PanAgora	US Small Cap Core Stock Selector	US Small Cap Core	20	35	48	60	5	13-Sep	6.3
Mellon Capital	Dynamic US Equity Strategy	US Large Cap Core	103	2	5	1	1	12-Dec	7.1
Acadian	All-Country World ex US Small Cap	Non-US Div Small Cap	11	60	42	18	31	19-May	0.6
Driehaus	International Small Cap Growth	Non-US Div Small Cap	12	11	6	9	14	19-May	0.6
GQG	International Equity	All ACWI ex US Equity	45	7	4			19-Dec	
First Eagle	International Value	EAFE Value Equity	45	85	90	62	50	19-Dec	
Artisan	Developing World	Emerging Markets	56	1	2			19-Dec	
RWC	Emerging Markets	Emerging Markets	22	15	67	32		19-Dec	
Barrow Hanley	Core Fixed Income	US Core Fixed Income	61	50	55	53	77	10-Mar	9.8
PIMCO	Income Fund	Global Multi-Sector Fixed Income	21	95	98	91		19-May	0.6
GoldenTree	Multi-Sector Credit Strategy	Global Multi-Sector Fixed Income	21	52	25	9		19-Jun	0.6

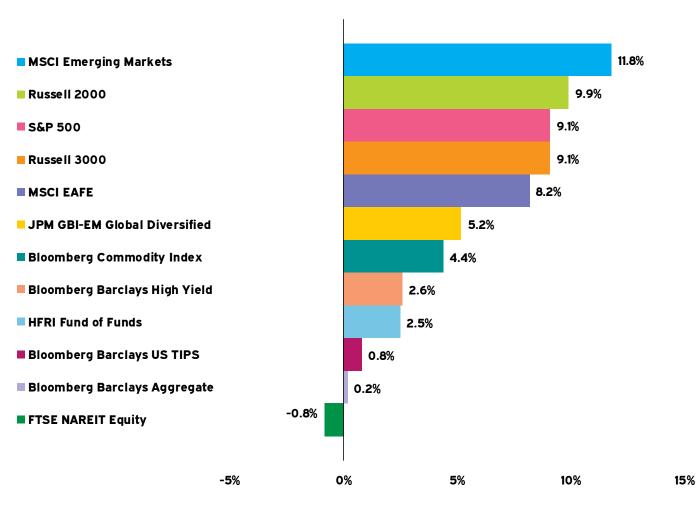
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¹ Source: eVestment. Ranks are greyed out for periods before MCERA was invested.

Q4 Market Review and Capital Markets Outlook







¹ Source: InvestorForce.



Index Returns¹

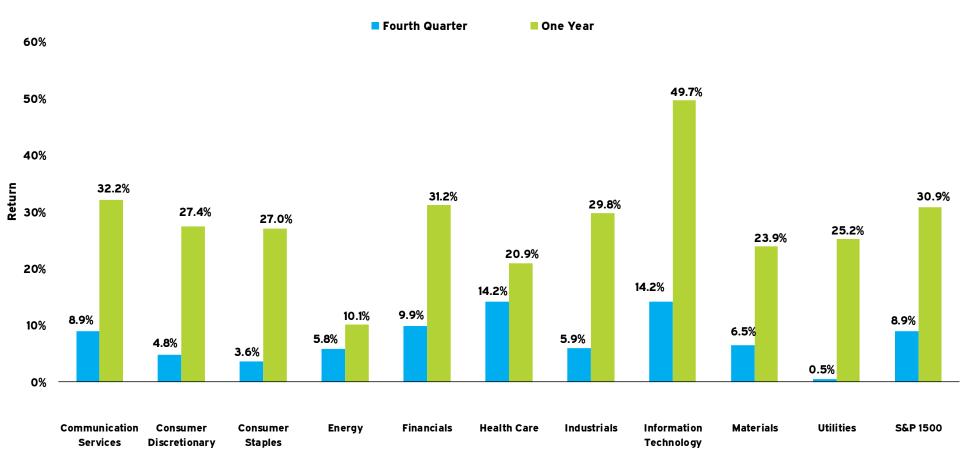
	4Q19 (%)	1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)
Domestic Equity					
S&P 500	9.1	31.5	15.3	11.7	13.6
Russell 3000	9.1	31.0	14.6	11.2	13.4
Russell 1000	9.0	31.4	15.0	11.5	13.5
Russell 1000 Growth	10.6	36.4	20.5	14.6	15.2
Russell 1000 Value	7.4	26.5	9.7	8.3	11.8
Russell MidCap	7.1	30.5	12.1	9.3	13.2
Russell MidCap Growth	8.2	35.5	17.4	11.6	14.2
Russell MidCap Value	6.4	27.1	8.1	7.6	12.4
Russell 2000	9.9	25.5	8.6	8.2	11.8
Russell 2000 Growth	11.4	28.5	12.5	9.3	13.0
Russell 2000 Value	8.5	22.4	4.8	7.0	10.6
Foreign Equity					
MSCI ACWI (ex. US)	8.9	21.5	9.9	5.5	5.0
MSCI EAFE	8.2	22.0	9.6	5.7	5.5
MSCI EAFE (Local Currency)	5.2	21.7	7.7	6.7	7.2
MSCI EAFE Small Cap	11.5	25.0	10.9	8.9	8.7
MSCI Emerging Markets	11.8	18.4	11.6	5.6	3.7
MSCI Emerging Markets (Local Currency)	9.5	18.1	11.5	7.5	6.1
Fixed Income					
Bloomberg Barclays Universal	0.5	9.3	4.3	3.4	4.1
Bloomberg Barclays Aggregate	0.2	8.7	4.0	3.0	3.7
Bloomberg Barclays US TIPS	0.8	8.4	3.3	2.6	3.4
Bloomberg Barclays High Yield	2.6	14.3	6.4	6.1	7.6
JPM GBI-EM Global Diversified	5.2	13.5	7.0	2.8	2.7
Other					
FTSE NAREIT Equity	-0.8	26.0	8.1	7.2	11.9
Bloomberg Commodity Index	4.4	7.7	-0.9	-3.9	-4.7
HFRI Fund of Funds	2.5	7.8	3.7	2.2	2.8

¹ Source: InvestorForce.

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 $^{^{1}\,}$ Source: InvestorForce. Represents S&P 1500 (All Cap) data.



Capital Markets Outlook

Takeaways

- In a reverse from calendar year 2019, most risk-oriented markets produced slight drawdowns in January 2020. Several of the themes that have dominated recent years also returned in a material way as US equity markets fared better than Non-US equity markets, growth outperformed value, and large caps bested small caps. Long US Treasury bonds produced some of the strongest performance as they generated nearly a 7% return over the month.
- While it is still too early to determine the economic impacts, the viral outbreak of the coronavirus was designated as one of the reasons behind the recent market selloff.
- The US yield curve flattened in January as the long end of the curve declined by roughly 30 basis points whereas the short end of the curve remained relatively stable. As a reminder, the Federal Reserve lowered rates three times in 2019 but have since indicated a pause. The current target federal funds rate is 1.50-1.75%.
- Due in part to strong returns across nearly all asset classes in 2019, most practitioner's long-term, forward-looking returns are lower as of early-2020 when compared to early-2019 capital market assumptions.
- US equity markets remain expensive whereas non-US equity markets remain reasonably valued relative to their histories. US credit and emerging markets debt spreads remain reasonably valued relative to their histories, although the richness of US high yield has recently increased (i.e., is now more expensive).



Capital Markets Outlook

Takeaways

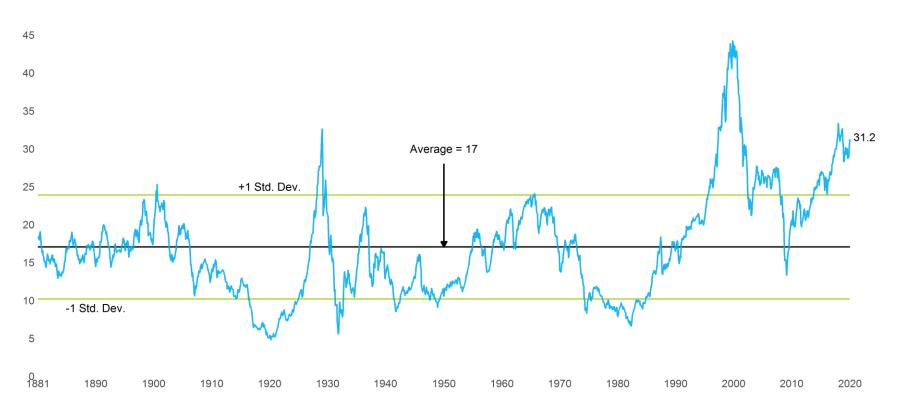
- Relative to their counterparts (growth and large cap), value and small cap equities continue to remain attractive from a valuation perspective.
- Although implied equity market volatility¹ remained at relatively low levels (~12-14) throughout most of January, the VIX Index did jump to near its long-term average (~19) at month-end.
- The Market Sentiment Indicator² stayed green at month end.

¹ As measured by VIX Index.

 $^{^2}$ See Appendix for the rationale for selection and calculation methodology used for the risk metrics.



US Equity Cyclically Adjusted P/E¹ (As of January 31, 2020)

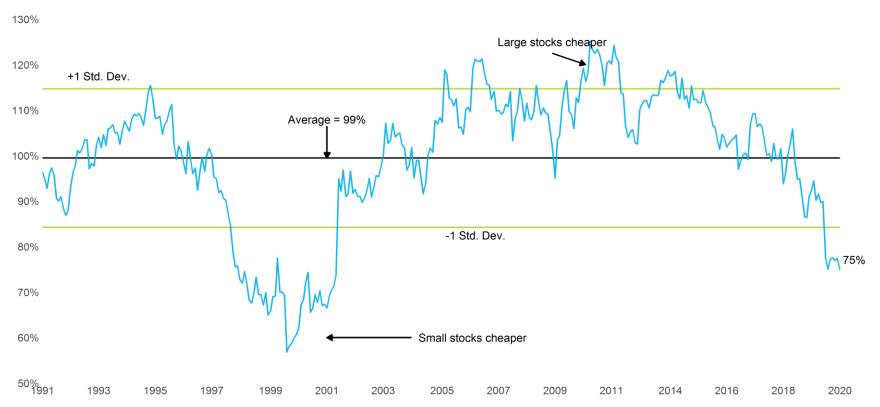


• This chart details one valuation metric for US equities. A higher (lower) figure indicates more expensive (cheaper) valuation relative to history.

¹ US Equity Cyclically Adjusted P/E on S&P 500 Index – Source: Robert Shiller, Yale University and Meketa Investment Group.



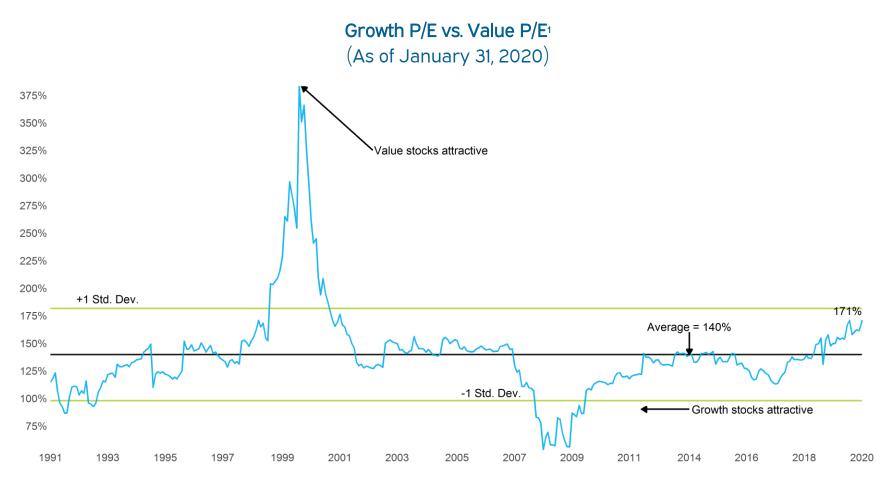




• This chart compares the relative attractiveness of small cap US equities vs. large cap US equities on a valuation basis. A higher (lower) figure indicates that large cap (small cap) is more attractive.

¹ Small Cap P/E (Russell 2000 Index) vs. Large Cap P/E (Russell 1000 Index) - Source: Russell Investments. Earnings figures represent 12-month "as reported" earnings.





• This chart compares the relative attractiveness of US growth equities vs. US value equities on a valuation basis. A higher (lower) figure indicates that value (growth) is more attractive.

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¹ Growth P/E (Russell 3000 Growth Index) vs. Value (Russell 3000 Value Index) P/E - Source: Bloomberg, MSCI, and Meketa Investment Group. Earnings figures represent 12-month "as reported" earnings.



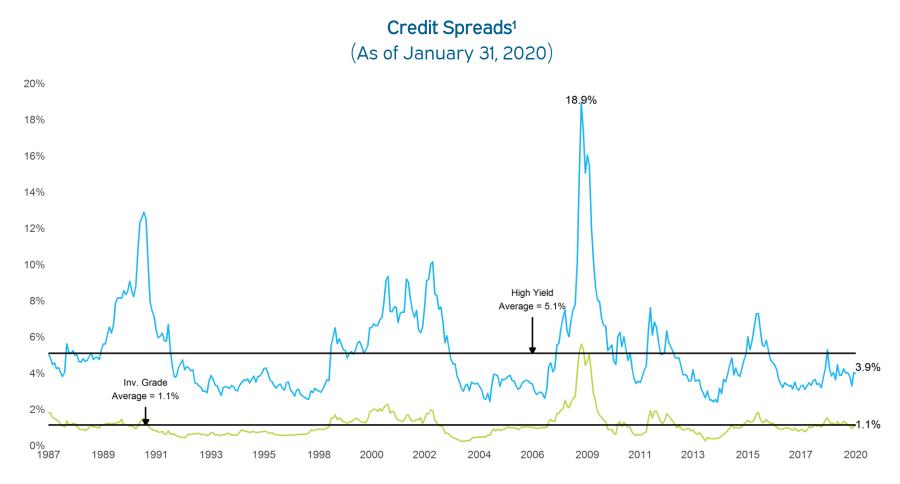
Emerging Market Equity Cyclically Adjusted P/E¹ (As of December 31, 2019)



• This chart details one valuation metric for emerging markets equities. A higher (lower) figure indicates more expensive (cheaper) valuation relative to history.

¹ Emerging Market Equity (MSCI Emerging Markets Index) Cyclically Adjusted P/E – Source: MSCI and Bloomberg. Earnings figures represent the average of monthly "as reported" earnings over the previous ten years.





• This chart details one valuation metric for the US credit markets. A higher (lower) figure indicates cheaper (more expensive) valuation relative to history.

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¹ Credit Spreads – Source: Barclays Capital. High Yield is proxied by the Barclays High Yield index and Investment Grade Corporates are proxied by the Barclays US Corporate Investment Grade index.

Quarterly Review As of December 31, 2019



4.6%

8.6%

6.2%

1.6%

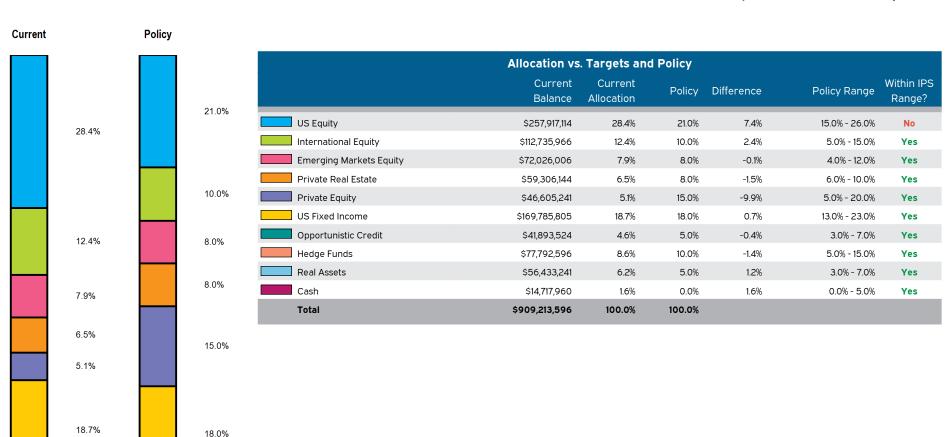
5.0%

10.0%

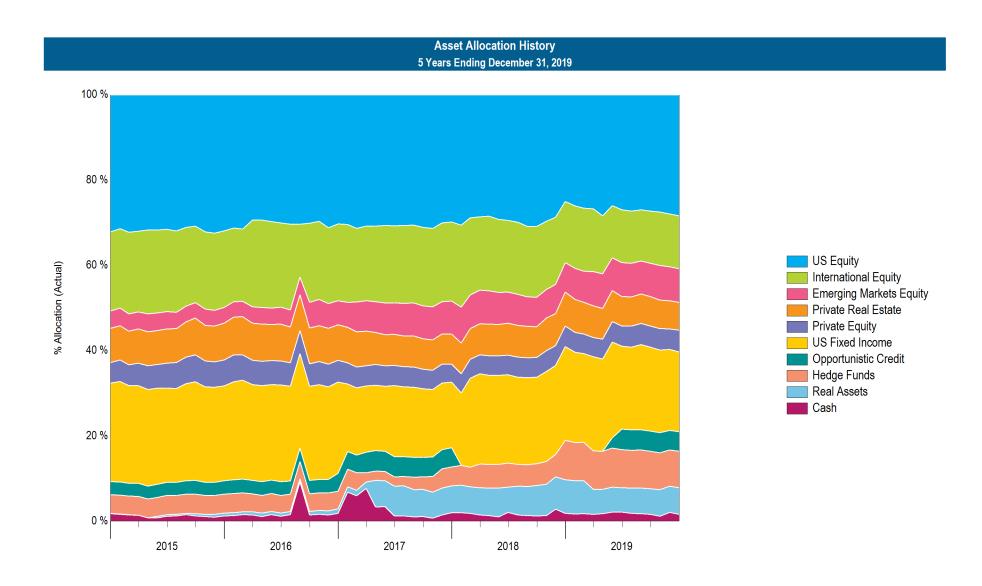
5.0% 0.0%

Merced County Employees' Retirement Association

Total Fund | As of December 31, 2019



Total Fund | As of December 31, 2019





Total Fund | As of December 31, 2019

	Asset Class Per	formance S	ummary							
	Market Value (\$)	% of Portfolio	QTD (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Total Fund (Net)*	909,213,596	100.0	4.9	5.6	17.1	9.3	7.0	8.2	8.0	Dec-94
Total Fund (Gross)*			4.9	5.7	17.3	9.5	7.3	8.5	8.2	
Policy Index			4.7	5.5	16.8	9.4	7.4	8.7	6.1	Dec-94
Total Fund w/o Alternatives (Net)	654,358,415	72.0	6.6	7.5	22.1	10.4	7.4			Dec-94
Total Fund w/o Alternatives (Gross)			6.7	7.6	22.4	10.7	7.7		-	
Policy Index w/o AI			6.6	6.8	20.4	10.0	7.3			Dec-94
US Equity (Net)	257,917,114	28.4	9.1	10.7	32.7	14.9	11.9	13.7	10.3	Dec-94
US Equity (Gross)			9.1	10.9	33.0	15.2	12.1	13.9	10.4	
Custom Blended US Equity Benchmark			9.2	9.9	30.3	13.8	10.9	13.2	10.1	Dec-94
International Equity (Net)	184,761,972	20.3	10.6	9.5	25.4	11.2	5.9	6.0	5.5	Dec-98
International Equity (Gross)			10.7	9.7	25.9	11.6	6.4	6.6	5.8	
International Equity Custom			9.9	7.2	21.0	10.6	6.1	5.6	4.6	Dec-98
Developed International Equity (Net)	112,735,966	12.4	9.0	7.8	23.3	9.9	5.3	6.2	3.7	Jan-08
Developed International Equity (Gross)			9.0	7.9	23.4	10.1	5.7	6.7	4.2	
Custom Blended Developed International Equity Benchmark			8.2	7.0	22.0	9.6	5.7	5.5	2.9	Jan-08
Emerging Markets Equity (Net)	72,026,006	7.9	12.8	11.8	29.0	14.1	7.9		4.8	Apr-12
Emerging Markets Equity (Gross)			13.0	12.2	30.1	15.1	8.9		5.7	
Custom Blended Emerging Markets Benchmark			11.9	7.3	18.9	12.0	6.0	4.0	4.0	Apr-12
US Fixed Income (Net)	169,785,805	18.7	0.2	2.1	7.5	3.8	3.4	4.2	5.3	Dec-94
US Fixed Income (Gross)			0.3	2.2	7.6	4.0	3.6	4.6	5.5	
Custom Blended US Fixed Income Benchmark			0.2	2.1	7.7	4.0	3.5	3.9	5.6	Dec-94
Opportunistic Credit (Net)	41,893,524	4.6	2.5	2.6					4.2	May-19
Opportunistic Credit (Gross)			2.5	2.6	-	-	-	-	4.2	
50% Barclays US Aggregate / 25% Barclays US High Yield / 25% Credit Suisse Leveraged Loans			1.2	<i>2</i> .9			-	-	4.7	May-19

Data prior to March 2018 provided by prior consultant.

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Total Fund | As of December 31, 2019

	Market Value (\$)	% of Portfolio	QTD (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Private Real Estate (Net)	59,306,144	6.5	-2.8	-3.6	-1.2	4.7	5.9		-	Mar-99
Private Real Estate (Gross)			-2.8	-3.6	-1.2	4.7	6.5	9.1	8.2	
Custom Blended Real Estate Benchmark			1.3	2.4	4.4	6.1	8.0	10.4	7.3	Mar-99
Private Equity (Net)	46,605,241	5.1	-0.1	2.9	6.8	12.0	9.7	10.3	8.0	Jun-05
Private Equity (Gross)			-0.1	2.9	6.8	12.0	9.7	10.5	8.2	
Custom Blended Private Equity Benchmark			1.2	6.4	17.2	17.3	14.3	-		Jun-05
Russell 3000 +3% 1-Quarter Lag			1.9	6.9	6.0	16.2	13.7	16.4	12.1	Jun-05
Hedge Fund (Net)	77,792,596	8.6	2.4	1.2	7.4	6.0	3.6		3.9	Jun-14
Hedge Fund (Gross)			2.7	1.5	7.9	6.3	3.8		4.0	
Hedge Fund Custom			3.1	2.1	8.4	3.9	3.0		3.0	Jun-14
Real Assets (Net)	56,433,241	6.2	2.9	4.4	13.6	8.3	8.0	-		Mar-99
Real Assets (Gross)			3.0	4.4	13.7	8.4	8.6	-		
Custom Blended Real Assets Benchmark			7.3	4.4	22.2	11.1	9.2			Mar-99
CPI + 5% (Seasonally Adjusted)			2.1	3.7	7.4	7.2	6.9	-		Mar-99
Private Infrastructure (Net)	23,780,002	2.6	2.4	5.2	11.7	13.5	7.8		7.8	Dec-14
Private Infrastructure (Gross)			2.4	5.2	11.7	13.5	7.8		7.8	
S&P Global Infrastructure Net TR USD			4.9	5.3	25.8	10.3	5.6	6.8	5.6	Dec-14
Private Natural Resources (Net)	15,388,400	1.7	3.3	5.3	11.6	11.1		-	16.7	Sep-15
Private Natural Resources (Gross)			3.3	5.3	11.6	11.1	-		16.7	
S&P Global Natural Resources Index TR USD			9.5	2.9	17.2	7.9	4.8	1.6	12.9	Sep-15
Cash (Net)	14,717,960	1.6	0.4	0.8	1.4	-	-		-	
Cash (Gross)			0.4	0.8	1.4					

^{*}One or more accounts have been excluded from the composite for the purposes of performance calculations and market value.

Real Assets includes State Street Real Asset NL Fund



Total Fund | As of December 31, 2019

		railing Net	Performa	nce							
	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Total Fund*	909,213,596	100.0		4.9	5.6	17.1	9.3	7.0	8.2	8.0	Dec-94
Policy Index				4.7	5.5	16.8	9.4	7.4	8.7	6.1	Dec-94
InvMetrics Public DB \$250mm-\$1B Net Median				5.5	6.0	18.7	9.6	6.9	8.3	8.0	Dec-94
InvMetrics Public DB \$250mm-\$1B Net Rank				78	77	79	60	49	53	48	Dec-94
Total Fund w/o Alternatives	654,358,415	72.0	72.0	6.6	7.5	22.1	10.4	7.4		-	Dec-94
Policy Index w/o Al				6.6	6.8	20.4	10.0	7.3			Dec-94
InvMetrics Public DB \$250mm-\$1B Net Median				5.5	6.0	18.7	9.6	6.9	8.3	8.0	Dec-94
InvMetrics Public DB \$250mm-\$1B Net Rank				7	1	4	12	24			Dec-94
US Equity	257,917,114	28.4	39.4	9.1	10.7	32.7	14.9	11.9	13.7	10.3	Dec-94
Custom Blended US Equity Benchmark				9.2	9.9	30.3	13.8	10.9	13.2	10.1	Dec-94
InvMetrics All DB US Eq Net Median				8.6	9.5	30.1	13.7	10.5	12.7	9.9	Dec-94
InvMetrics All DB US Eq Net Rank				23	6	6	13	5	7	23	Dec-94
Mellon Large Cap	116,210,494	12.8	45.1	9.0	10.6	31.4	15.0			15.0	Mar-16
Russell 1000				9.0	10.6	31.4	15.0	11.5	13.5	15.0	Mar-16
eV US Large Cap Core Equity Net Median				8.0	9.7	28.9	13.6	10.3	12.8	13.5	Mar-16
eV US Large Cap Core Equity Net Rank				28	29	29	27			22	Mar-16
Mellon Dynamic US Equity	103,016,896	11.3	39.9	9.2	12.4	37.8	18.6	13.9		17.9	Dec-12
S&P 500				9.1	10.9	31.5	15.3	11.7	13.6	14.7	Dec-12
eV US Large Cap Core Equity Net Median				8.0	9.7	28.9	13.6	10.3	12.8	13.6	Dec-12
eV US Large Cap Core Equity Net Rank				26	8	2	5	1		1	Dec-12
PanAgora	19,606,675	2.2	7.6	9.4	7.8	26.2	8.3	7.9		9.5	Sep-13
Russell 2000				9.9	7.3	25.5	8.6	8.2	11.8	8.8	Sep-13
eV US Small Cap Core Equity Net Median				8.3	6.6	24.3	8.2	8.5	12.1	9.1	Sep-13
eV US Small Cap Core Equity Net Rank				28	32	35	48	60		41	Sep-13

Historical returns for the US Equity Composite prior to January 2012 and for the International Equity Composite prior to December 2010 are gross only.

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Total Fund | As of December 31, 2019

	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
DFA Small Cap	19,083,048	2.1	7.4	8.1	6.4	21.7	6.2	7.7		7.5	Jun-14
Russell 2000				9.9	7.3	25.5	8.6	8.2	11.8	7.8	Jun-14
eV US Small Cap Core Equity Net Median				8.3	6.6	24.3	8.2	8.5	12.1	7.8	Jun-14
eV US Small Cap Core Equity Net Rank				55	58	70	74	61		62	Jun-14
International Equity	184,761,972	20.3	28.2	10.6	9.5	25.4	11.2	5.9	6.0	5.5	Dec-98
International Equity Custom				9.9	7.2	21.0	10.6	6.1	5.6	4.6	Dec-98
InvMetrics All DB ex-US Eq Net Median				9.7	7.7	22.8	9.9	5.8	5.5	5.4	Dec-98
InvMetrics All DB ex-US Eq Net Rank				18	6	17	24	43	28	43	Dec-98
Developed International Equity	112,735,966	12.4	61.0	9.0	7.8	23.3	9.9	5.3	6.2	3.7	Jan-08
Custom Blended Developed International Equity Benchmark				8.2	7.0	22.0	9.6	5.7	5.5	2.9	Jan-08
First Eagle International Value Fund	45,000,000	4.9	39.9							0.0	Dec-19
MSCI EAFE				8.2	7.0	22.0	9.6	5.7	5.5	3.2	Dec-19
MSCI World ex USA				7.9	6.9	22.5	9.3	5.4	5.3	3.2	Dec-19
GQG International Equity	45,000,000	4.9	39.9							0.0	Dec-19
MSCI ACWI ex USA				8.9	7.0	21.5	9.9	5.5	5.0	4.3	Dec-19
Driehaus International Small Cap Growth	11,647,208	1.3	10.3	11.8	12.1					14.8	May-19
MSCI ACWI ex US Small Cap Growth NR USD				11.2	9.7	24.6	10.8	7.6	7.3	8.7	May-19
eV ACWI ex-US Small Cap Equity Net Median				11.6	8.6	24.9	12.8	8.8	9.4	8.9	May-19
eV ACWI ex-US Small Cap Equity Net Rank				46	11					6	May-19
Acadian ACWI ex U.S. Small Cap Equity	11,088,758	1.2	9.8	12.6	9.2					9.0	May-19
MSCI ACWI ex US Small Cap				11.0	9.7	22.4	9.6	7.0	6.9	8.6	May-19
eV ACWI ex-US Small Cap Equity Net Median				11.6	8.6	24.9	12.8	8.8	9.4	8.9	May-19
eV ACWI ex-US Small Cap Equity Net Rank				31	36					50	May-19

Developed International Equity and Emerging Markets Equity composites were only reported as one composite prior to March 2018.

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Total Fund | As of December 31, 2019

	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Emerging Markets Equity	72,026,006	7.9	39.0	12.8	11.8	29.0	14.1	7.9		4.8	Apr-12
Custom Blended Emerging Markets Benchmark				11.9	7.3	18.9	12.0	6.0	4.0	4.0	Apr-12
Artisan Developing World TR	50,426,006	5.5	70.0							0.1	Dec-19
MSCI Emerging Markets				11.8	7.1	18.4	11.6	5.6	3.7	7.5	Dec-19
RWC	21,600,000	2.4	30.0							0.0	Dec-19
MSCI Emerging Markets				11.8	7.1	18.4	11.6	5.6	3.7	7.5	Dec-1
Wells Capital	0	0.0	0.0	13.3	12.2	29.5	14.2	8.0		4.6	Mar-1
MSCI Emerging Markets				11.8	7.1	18.4	11.6	5.6	3.7	3.4	Mar-i
eV Emg Mkts Equity Net Median				11.4	7.0	19.3	10.7	5.5	4.4	4.2	Mar-i
eV Emg Mkts Equity Net Rank				14	3	6	16	11		37	Mar-
S Fixed Income	169,785,805	18.7	25.9	0.2	2.1	7.5	3.8	3.4	4.2	5.3	Dec-9
Custom Blended US Fixed Income Benchmark				0.2	2.1	7.7	4.0	3.5	3.9	5.6	Dec-9
InvMetrics All DB US Fix Inc Net Median				0.4	2.4	8.7	4.2	3.4	4.5	5.9	Dec-9
InvMetrics All DB US Fix Inc Net Rank				60	66	71	68	52	61	85	Dec-9
Barrow Hanley	60,905,967	6.7	35.9	0.3	2.7	9.0	4.1	3.1		3.7	Mar-1
BBgBarc US Aggregate TR				0.2	2.5	8.7	4.0	3.0	3.7	3.7	Mar-
eV US Core Fixed Inc Net Median				0.2	2.5	9.0	4.1	3.1	4.0	3.8	Mar-i
eV US Core Fixed Inc Net Rank				21	15	50	55	53		67	Mar-
Vanguard Total Bond Market Index Fund	60,089,182	6.6	35.4	0.0	2.5					5.6	May-1
BBgBarc US Aggregate TR				0.2	2.5	8.7	4.0	3.0	3.7	5.6	May-
eV US Core Fixed Inc Net Median				0.2	2.5	9.0	4.1	3.1	4.0	5.5	May-
eV US Core Fixed Inc Net Rank				71	49					48	May-
Vanguard Short-Term Treasury Index Fund	48,790,657	5.4	28.7	0.4	1.1	3.5				2.9	Feb-
BBgBarc US Govt 1-3 Yr TR				0.5	1.1	3.6	1.9	1.4	1.2	3.0	Feb-

Historical returns for the US Fixed Income Composite prior to December 2010 and for Barrow Hanley prior to June 2010 are gross only.

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Total Fund | As of December 31, 2019

	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
BBgBarc US Govt 1-5 Yr TR				0.3	1.1	4.2	2.1	1.7	1.7	3.5	Feb-18
eV US Short Duration Fixed Inc Net Median				0.5	1.3	4.3	2.4	1.9	1.9	3.3	Feb-18
eV US Short Duration Fixed Inc Net Rank				80	92	90				85	Feb-18
Opportunistic Credit	41,893,524	4.6	6.4	2.5	2.6					4.2	May-19
50% Barclays US Aggregate / 25% Barclays US High Yield / 25% Credit Suisse Leveraged Loans				1.2	2.9				-	4.7	May-19
GoldenTree Multi-Sector Credit	21,299,026	2.3	50.8	2.4	2.7					4.1	Jun-19
50% BBgBarc US High Yield TR/50% Credit Suisse Leveraged Loans				2.1	3.3	11.2	5.4	5.3	6.4	4.6	Jun-19
PIMCO Income Fund	20,594,498	2.3	49.2	2.5	2.4					4.0	Apr-19
BBgBarc US Aggregate TR				0.2	2.5	8.7	4.0	3.0	3.7	5.6	Apr-19
Multisector Bond MStar MF Median				1.5	2.7	10.7	5.1	4.4	5.7	4.9	Apr-19
Multisector Bond MStar MF Rank				5	66					76	Apr-19
Private Real Estate	59,306,144	6.5	6.5	-2.8	-3.6	-1.2	4.7	5.9		_	Mar-99
Custom Blended Real Estate Benchmark				1.3	2.4	4.4	6.1	8.0	10.4	7.3	Mar-99
InvMetrics All DB Real Estate Pub+Priv Net Median				1.2	2.4	5.3	6.5	8.0	10.5	8.1	Mar-99
InvMetrics All DB Real Estate Pub+Priv Net Rank				99	99	95	89	91		-	Mar-99
UBS Trumbull Property	40,670,827	4.5	68.6	0.9	-3.0	-0.9	2.8	5.2	8.2	6.9	Mar-99
Greenfield Gap VII	8,825,230	1.0	14.9	1.0	10.8	15.5	14.4	13.4	-	13.4	Dec-14
Patron Capital V	5,016,146	0.6	8.5	-30.9	-27.0	-25.5	8.8			3.3	Jan-16
Taconic CRE Dislocation Fund II	2,838,129	0.3	4.8	5.3	8.8	8.7				7.4	Nov-18

Private Real Estate results prior to 1/1/2019 will reflect only the latest lineup of managers that Meketa received information for, therefore it may not reflect the entire Private Real Estate composite at that given time.

All private markets performance and market values reflect a 9/30/2019 capital account balance unless otherwise noted. Historical returns for Invesco IV prior to April 2012 are gross only.

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Total Fund | As of December 31, 2019

	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
AG Realty Value Fund X, L.P.	967,383	0.1	1.6	-1.2	-17.9					-17.9	Jun-19
Carlyle Realty VIII	865,839	0.1	1.5	2.5	5.4	-2.7				-26.5	Dec-17
Carmel Partners Investment Fund VII	122,589	0.0	0.2	-16.7	-32.9					-46.6	Apr-19
Private Equity	46,605,241	5.1	5.1	-0.1	2.9	6.8	12.0	9.7	10.3	8.0	Jun-05
Custom Blended Private Equity Benchmark				1.2	6.4	17.2	17.3	14.3			Jun-05
Russell 3000 +3% 1-Quarter Lag				1.9	6.9	6.0	16.2	13.7	16.4	12.1	Jun-05
InvMetrics All DB Private Eq Net Median				1.2	3.5	7.7	11.7	10.3	10.5	10.1	Jun-05
InvMetrics All DB Private Eq Net Rank				83	58	59	47	61	54	80	Jun-05
Ocean Avenue II	9,893,781	1.1	21.2	-0.9	4.4	15.4	24.9	16.3		12.0	Jun-14
Adams Street	7,104,660	0.8	15.2	-1.3	-1.5	3.1	11.0	11.0	12.3	6.9	Sep-05
Invesco VI	6,586,534	0.7	14.1	0.4	7.1	9.9	14.0	14.3		12.1	Jun-13
Pantheon II	3,835,159	0.4	8.2	-3.8	0.8	6.1	13.9	11.7		11.3	Dec-11
Davidson Kempner Long-Term Distressed Opportunities Fund IV	3,682,239	0.4	7.9	1.3	1.6	5.4				10.4	Apr-18
Raven Asset Fund II	3,471,659	0.4	7.4	2.3	3.9	8.2	1.0	-0.1		-0.1	Aug-14
Cortec Group Fund VII	2,890,529	0.3	6.2							0.0	Dec-19
Genstar Capital Partners IX	1,572,115	0.2	3.4	-0.4						-0.4	Jul-19
TCV X	1,549,032	0.2	3.3	-3.0	-9.5					-9.5	Apr-19
GTCR Fund XII	1,481,133	0.2	3.2	18.4	29.1	-6.9				-4.4	Jun-18

Adams Street includes Adams Street 2005, Adams Street 2007, and Adams Street 2011.

Pantheon I includes Pantheon US Fund VI and Pantheon Europe Fund IV.

Pantheon II Includes Pantheon US Fund IX, Pantheon Asia Fund VI, and Pantheon Europe Fund VII.

Pantheon Secondary includes Pantheon GLO SEC III B.



Total Fund | As of December 31, 2019

	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Carrick Capital Partners III	1,318,509	0.1	2.8	0.1	20.2	8.2				2.1	Aug-18
Cressey & Company Fund VI	1,061,715	0.1	2.3	1.0	3.9	-12.3				-12.3	Jan-19
Pantheon Secondary	822,421	0.1	1.8	1.2	-0.7	0.3	7.0	4.0	3.8	3.9	Jun-07
Pantheon I	785,079	0.1	1.7	-9.8	-10.7	-11.6	2.1	2.1	6.2	2.7	Dec-05
Accel-KKR Growth Capital Partners III	550,677	0.1	1.2	-16.1	-16.1					-16.1	Jul-19
Invesco IV	0	0.0	0.0						- 1		
Hedge Fund	77,792,596	8.6	8.6	2.4	1.2	7.4	6.0	3.6	-	3.9	Jun-14
Hedge Fund Custom				3.1	2.1	8.4	3.9	3.0		3.0	Jun-14
InvMetrics All DB Hedge Funds Net Median				2.5	2.3	6.8	4.4	3.0	4.1	2.7	Jun-14
InvMetrics All DB Hedge Funds Net Rank				52	69	46	22	36		28	Jun-14
Wellington-Archipelago	12,470,062	1.4	16.0	5.5	4.0	15.0				5.7	Aug-17
Silver Point Capital	12,333,154	1.4	15.9	2.5	-0.4	3.7				1.5	Nov-17
Sculptor (OZ) Domestic II	10,895,361	1.2	14.0	5.8	2.8	16.8	8.9	6.1		6.3	Jun-14
Taconic Opportunity Fund	10,428,275	1.1	13.4	0.8	0.9	4.7				4.7	Dec-18
KLS Diversified	9,088,522	1.0	11.7	-0.4	-1.4	0.1				0.8	Oct-17
Graham Absolute Return	7,611,040	0.8	9.8	2.0	0.3	8.2				3.3	Aug-17
Winton	6,233,755	0.7	8.0	-0.7	2.3	2.3				2.0	Oct-17
Laurion Capital	5,337,280	0.6	6.9	0.5	-1.4	4.4				5.4	Aug-18
Marshall Wace Eureka	3,395,147	0.4	4.4	3.7	4.4	10.5				5.0	Nov-17

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Total Fund | As of December 31, 2019

	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Real Assets	56,433,241	6.2	6.2	2.9	4.4	13.6	8.3	8.0		-	Mar-99
Custom Blended Real Assets Benchmark				7.3	4.4	22.2	11.1	9.2		-	Mar-99
CPI + 5% (Seasonally Adjusted)				2.1	3.7	7.4	7.2	6.9			Mar-99
InvMetrics All DB Real Assets/Commodities Net Median				1.6	2.9	8.2	5.9	4.1	7.0		Mar-99
InvMetrics All DB Real Assets/Commodities Net Rank				34	20	19	24	23			Mar-99
SSgA	17,264,839	1.9	30.6	3.5	2.7	13.3				4.6	Apr-17
Real Asset NL Custom Blended Index				3.7	3.0	13.9				5.0	Apr-17
Private Infrastructure	23,780,002	2.6	42.1	2.4	5.2	11.7	13.5	7.8	-	7.8	Dec-14
S&P Global Infrastructure Net TR USD				4.9	5.3	25.8	10.3	5.6	6.8	5.6	Dec-14
KKR Global II	11,307,757	1.2	47.6	1.5	4.3	9.5	13.5	10.3		10.3	Dec-14
North Haven Infrastructure II	8,662,119	1.0	36.4	2.0	5.5	13.6	14.2			8.0	May-15
ISQ Global Infrastructure Fund II	2,216,124	0.2	9.3	4.4	6.4	17.9				-13.6	Jul-18
KKR Global Infrastructure Investors III	1,404,527	0.2	5.9	3.4	0.4	-15.1				-15.1	Jan-19
Ardian Infrastructure Fund V	189,475	0.0	0.8							0.0	Oct-19
Private Natural Resources	15,388,400	1.7	27.3	3.3	5.3	11.6	11.1		-	16.7	Sep-15
S&P Global Natural Resources Index TR USD				9.5	2.9	17.2	7.9	4.8	1.6	12.9	Sep-15
Taurus Mining	4,023,695	0.4	26.1	4.0	7.0	16.9	11.0			17.6	Sep-15
Taurus Mining Annex	3,770,973	0.4	24.5	7.1	12.2	25.0	28.1			29.0	Jan-17
GSO Energy Opportunities	3,623,832	0.4	23.5	-0.9	0.1	2.6	9.0			14.7	Nov-15
EnCap XI	1,289,184	0.1	8.4	-4.2	-6.9	-11.7				-28.0	Jul-17
EnCap IV	1,122,326	0.1	7.3	8.1	8.2	24.4				1.8	Feb-18
Tailwater Energy Fund IV, LP	846,614	0.1	5.5	0.0						0.0	Oct-19

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Total Fund | As of December 31, 2019

	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
BlackRock Global Energy and Power Infrastructure Fund III LP	711,776	0.1	4.6	17.7							Jul-19
Cash	14,717,960	1.6	1.6	0.4	0.8	1.4					
Cash	10,825,261	1.2	73.6	0.5	1.1	2.0	1.4	1.1			Sep-03
Treasury Cash	3,892,698	0.4	26.4								

^{*}One or more accounts have been excluded from the composite for the purposes of performance calculations and market value.

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Total Fund | As of December 31, 2019

		Benchmark History
		As of December 31, 2019
Total Fund		
7/1/2019	Present	21% US Equity Custom / 18% International Equity Custom / 18% US Fixed Custom / 10% Hedge Fund Custom / 15% Thomson Reuters Cambridge Private Equity Index / 5% Real Asset Custom / 8% NCREIF ODCE (net) / 5% 50% Barclays US Aggregate / 25% Barclays US High Yield / 25% Credit Suisse Leveraged Loans
1/1/2019	6/30/2019	21% US Equity Custom / 18% International Equity Custom / 23% US Fixed Custom / 10% Hedge Fund Custom / 15% Thomson Reuters Cambridge Private Equity Index / 5% Real Asset Custom / 8% NCREIF ODCE (net)
1/1/2017	12/31/2018	27% US Equity Custom / 23% International Equity Custom / 22% US Fixed Custom / 5% Hedge Fund Custom / 9% Thomson Reuters Cambridge Private Equity Index / 14% Real Asset Custom
US Equity		
1/1/2020	Present	Russell 3000
International Equity		
1/1/2019	Present	56% MSCI EAFE Gross / 44% MSCI Emerging Markets Gross
1/1/2017	12/31/2018	69.56% MSCI EAFE Gross / 30.44% MSCI Emerging Markets Gross
7/1/2013	12/31/2016	MSCI ACWI ex USA Gross
US Fixed Income		
1/1/2020	Present	BBgBarc US Aggregate TR
12/31/1994	12/31/2019	US Fixed Custom
Hedge Fund		
7/1/2017	Present	100% HFRI Fund of Funds Composite Index
1/1/2015	6/30/2017	50% HFRI Fund of Funds Composite Index / 50% HFRI RV: Multi-Strategy Index
Real Assets		
1/1/2020	Present	50% Cambridge Infrastructure (1 Quarter Lagged) / 50% Cambridge Energy Upstream & Royalties & Private Energy
3/31/1999	12/31/2019	Real Asset Custom

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Total Fund | As of December 31, 2019

		Benchmark History As of December 31, 2019
SSgA		
4/30/2017	Present	25% Bloomberg Roll Select Commodities Index TR USD / 25% S&P Global LargeMidCap Commodity and Resources NR USD / 10% S&P Global Infrastructure TR USD / 15% DJ US Select REIT TR USD / 25% BBgBarc US TIPS TR

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Total Fund | As of December 31, 2019

Statistics Summary						
5 Years Ending December 31, 2019						
	Anlzd Return	Anlzd Standard Deviation	Information Ratio	Beta	Sharpe Ratio	Tracking Error
Total Fund	6.99%	6.68%	-0.35	1.03	0.89	1.24%
Policy Index	7.42%	6.40%		1.00	0.99	0.00%
InvMetrics Public DB \$250mm-\$1B Net Median	6.95%	7.00%	-0.09	0.99	0.83	0.99%

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Total Fund | As of December 31, 2019

	Annual Investment Expen	se Analysis		
	As Of December 31, 2	2019		
Name	Fee Schedule	Market Value	Estimated Fee	Estimated Fee Value
Total Fund w/o Alternatives		\$654,358,415		
US Equity		\$257,917,114		
Mellon Dynamic US Equity	0.30% of Assets	\$103,016,896	0.30%	\$309,051
Mellon Large Cap	0.04% of First 100.0 Mil, 0.02% Thereafter	\$116,210,494	0.04%	\$43,242
DFA Small Cap	0.35% of Assets	\$19,083,048	0.35%	\$66,791
PanAgora	0.80% of Assets	\$19,606,675	0.80%	\$156,853
International Equity		\$184,761,972		
Developed International Equity		\$112,735,966		
Acadian ACWI ex U.S. Small Cap Equity	0.99% of Assets	\$11,088,758	0.99%	\$109,779
Driehaus International Small Cap Growth	0.90% of Assets	\$11,647,208	0.90%	\$104,825
GQG International Equity		\$45,000,000		
First Eagle International Value Fund		\$45,000,000		
Emerging Markets Equity		\$72,026,006		
Wells Capital	0.90% of First 100.0 Mil, 0.85% Thereafter	\$0	0.84%	\$0
Artisan Developing World TR	1.05% of Assets	\$50,426,006	1.05%	\$529,473
RWC	0.87% of Assets	\$21,600,000	0.87%	\$187,920
US Fixed Income		\$169,785,805		
Barrow Hanley	0.30% of First 50.0 Mil, 0.20% of Next 100.0 Mil, 0.15% Thereafter	\$60,905,967	0.28%	\$171,812
Vanguard Short-Term Treasury Index Fund	0.05% of Assets	\$48,790,657	0.05%	\$24,395
Vanguard Total Bond Market Index Fund	0.04% of Assets	\$60,089,182	0.04%	\$21,031
Opportunistic Credit		\$41,893,524		
PIMCO Income Fund	0.50% of Assets	\$20,594,498	0.50%	\$102,972
GoldenTree Multi-Sector Credit	0.75% of Assets	\$21,299,026	0.75%	\$159,743
Private Real Estate		\$59,306,144		
Greenfield Gap VII		\$8,825,230		
Patron Capital V		\$5,016,146		
UBS Trumbull Property		\$40,670,827		

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Total Fund | As of December 31, 2019

Name	Fee Schedule	Market Value	Estimated Fee	Estimated Fee Value
Carlyle Realty VIII		\$865,839		
Taconic CRE Dislocation Fund II		\$2,838,129		
Carmel Partners Investment Fund VII		\$122,589		
AG Realty Value Fund X, L.P.		\$967,383		
Invesco IV		\$0		
Invesco VI		\$6,586,534		
Ocean Avenue II		\$9,893,781		
Pantheon I		\$785,079		
Pantheon II		\$3,835,159		
Pantheon Secondary		\$822,421		
Raven Asset Fund II		\$3,471,659		
Davidson Kempner Long-Term Distressed Opportunities Fund IV		\$3,682,239		
GTCR Fund XII		\$1,481,133		
Carrick Capital Partners III		\$1,318,509		
Cressey & Company Fund VI		\$1,061,715		
TCV X		\$1,549,032		
Accel-KKR Growth Capital Partners III		\$550,677		
Genstar Capital Partners IX		\$1,572,115		
Cortec Group Fund VII		\$2,890,529		
Hedge Fund		\$77,792,596		
Sculptor (OZ) Domestic II	Performance-based 1.50 and 20.00	\$10,895,361	1.90%	\$207,090
Graham Absolute Return	Performance-based 1.75 and 20.00	\$7,611,040	2.04%	\$154,998
Wellington-Archipelago	Performance-based 1.00 and 20.00	\$12,470,062	1.46%	\$182,419
KLS Diversified	Performance-based 2.00 and 20.00	\$9,088,522	2.32%	\$210,490
Winton	Performance-based 0.90 and 20.00	\$6,233,755	1.18%	\$73,371
Marshall Wace Eureka	Performance-based 2.00 and 20.00	\$3,395,147	2.41%	\$81,852
Silver Point Capital	Performance-based 2.00 and 20.00	\$12,333,154	2.42%	\$298,399
Laurion Capital		\$5,337,280		
Taconic Opportunity Fund		\$10,428,275		

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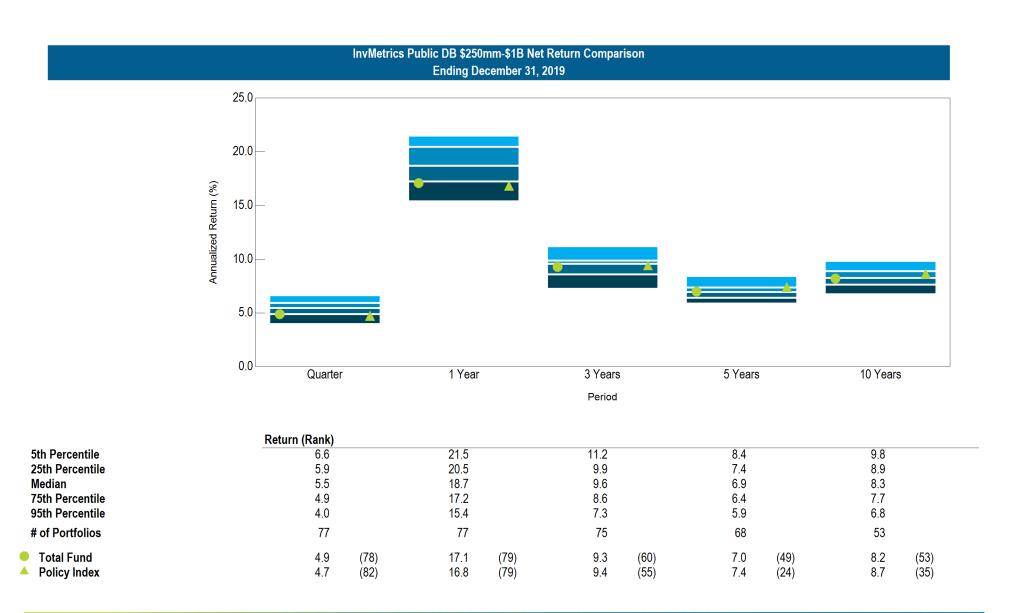


Total Fund | As of December 31, 2019

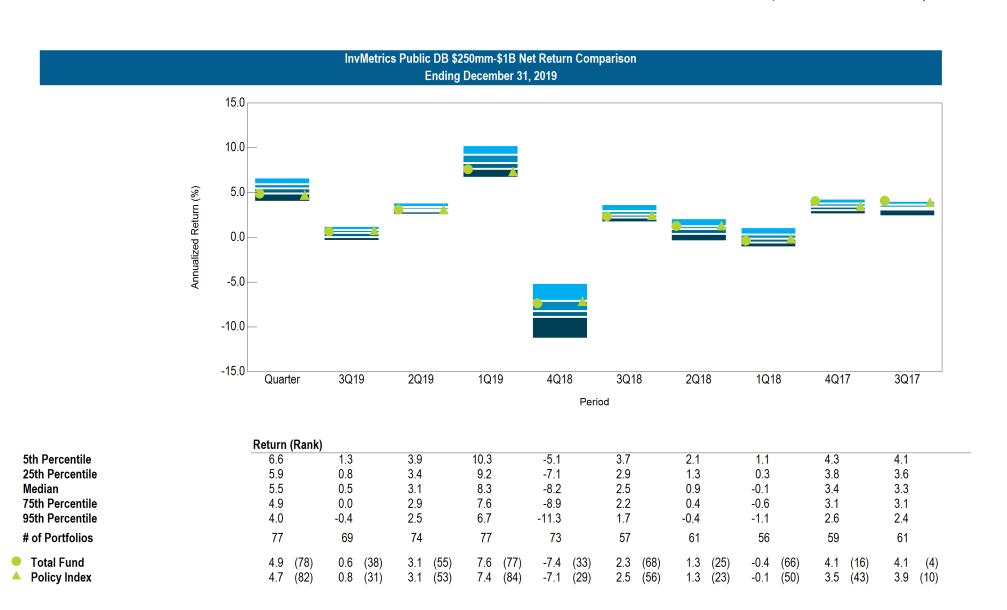
Name	Fee Schedule	Market Value	Estimated Fee	Estimated Fee Value
Real Assets		\$56,433,241		
SSgA	0.30% of First 50.0 Mil, 0.27% of Next 50.0 Mil, 0.25% Thereafter	\$17,264,839	0.30%	\$51,795
Private Infrastructure		\$23,780,002		
KKR Global II		\$11,307,757		
North Haven Infrastructure II		\$8,662,119		
ISQ Global Infrastructure Fund II		\$2,216,124		
KKR Global Infrastructure Investors III		\$1,404,527		
Ardian Infrastructure Fund V		\$189,475		
Private Natural Resources		\$15,388,400		
EnCap XI		\$1,289,184		
EnCap IV		\$1,122,326		
GSO Energy Opportunities		\$3,623,832		
Taurus Mining		\$4,023,695		
Taurus Mining Annex		\$3,770,973		
BlackRock Global Energy and Power Infrastructure Fund	III LP	\$711,776		
Tailwater Energy Fund IV, LP		\$846,614		
Cash		\$14,717,960		
Cash		\$10,825,261		
Treasury Cash		\$3,892,698		

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Total Fund | As of December 31, 2019

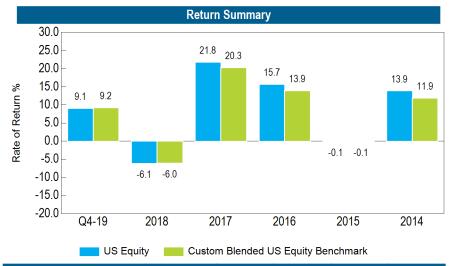


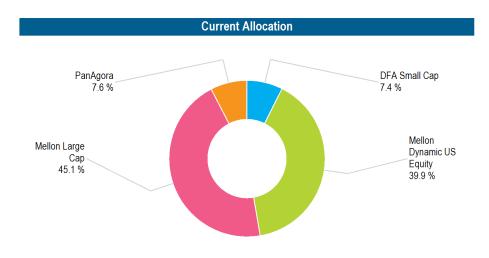
Total Fund | As of December 31, 2019



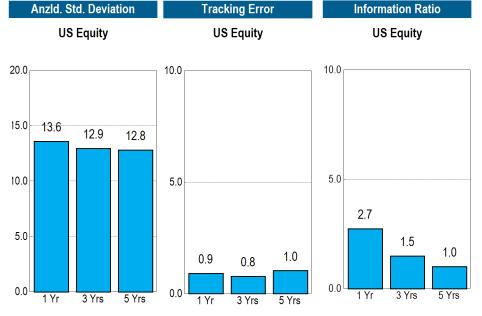


US Equity | As of December 31, 2019





	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
US Equity	32.7	14.9	11.9	13.7
Custom Blended US Equity Benchmark	30.3	13.8	10.9	13.2
InvMetrics All DB US Eq Net Median	30.1	13.7	10.5	12.7
InvMetrics All DB US Eq Net Rank	6	13	5	7







US Equity | As of December 31, 2019

US Equity Characteristics vs Russell 3000				
	Portfolio	Index		
	Q4-19	Q4-19		
Characteristics				
Weighted Avg. Market Cap. (\$B)	214.6	230.5		
Median Market Cap (\$B)	2.5	1.8		
P/E Ratio	22.2	22.8		
Yield	1.7	1.8		
EPS Growth - 5 Yrs.	12.6	13.1		
Price to Book	3.5	3.6		
Beta (holdings; domestic)	1.0	1.0		

US Equity Sector Distribution vs Russell 3000				
	Portfolio	Index		
	Q4-19	Q4-19		
Sector Distribution				
Energy	3.8	4.1		
Materials	2.8	2.9		
Industrials	9.9	9.9		
Consumer Discretionary	9.6	10.0		
Consumer Staples	6.0	6.4		
Health Care	13.0	14.2		
Financials	13.0	13.5		
Information Technology	19.6	22.4		
Communication Services	8.2	9.4		
Utilities	3.1	3.2		
Real Estate	3.0	4.0		

Top Holdings	
UST Bill 03/19/20 When Iss	5.8%
APPLE	3.4%
MICROSOFT	3.2%
CASH - USD	2.2%
AMAZON.COM	2.1%
FACEBOOK CLASS A	1.3%
BERKSHIRE HATHAWAY 'B'	1.2%
JP MORGAN CHASE & CO.	1.2%
ALPHABET A	1.1%
ALPHABET 'C'	1.1%

Best Performers		Worst Performers	
	Return %		Return %
IVERIC BIO	666.1%	CELADON GROUP	-98.8%
CHEMOCENTRYX	483.3%	DEAN FOODS	-94.8%
INTRA CELLULAR THERAPIES	359.3%	NUVECTRA	-93.0%
NEOLEUKIN THERAPEUTICS	332.3%	HORNBECK OFFS.SVS.	-86.2%
STAGE STORES	331.9%	LSC COMMUNICATIONS	-85.1%
SUPERIOR ENERGY SVCS	285.4%	MCCLATCHY 'A'	-83.0%
MERSANA THERAPEUTICS	262.7%	BASIC ENERGY SERVICES	-81.6%
NANTKWEST	210.7%	UNIT	-79.4%
ARQULE	178.4%	CYCLERION THERAPEUTICS	-77.6%
CLOVIS ONCOLOGY	165.3%	INTELSAT	-69.2%

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Mellon Dynamic US Equity | As of December 31, 2019



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Mellon Dynamic US Equity | As of December 31, 2019

Account Information			
Account Name	Mellon Dynamic US Equity		
Account Structure	Commingled Fund		
Investment Style	Active		
Inception Date	12/31/12		
Account Type	US Equity		
Benchmark	S&P 500		
Universe	eV US Large Cap Core Equity Net		

Account Characteristics				
	Portfolio	Index		
	Q4-19	Q4-19		
Characteristics				
Weighted Avg. Market Cap. (\$B)	269.6	272.0		
Median Market Cap (\$B)	23.6	23.6		
P/E Ratio	23.0	23.0		
Yield	1.9	1.8		
EPS Growth - 5 Yrs.	12.9	12.8		
Price to Book	3.9	3.9		
Beta (holdings; domestic)	1.0	1.0		

Sec	tor Distribution	
	Portfolio	Index
	Q4-19	Q4-19
Sector Distribution		
Energy	3.5	4.2
Materials	2.1	2.6
Industrials	7.3	9.0
Consumer Discretionary	7.8	10.1
Consumer Staples	5.8	7.8
Health Care	11.4	13.8
Financials	10.4	13.3
Information Technology	18.6	22.8
Communication Services	8.3	10.4
Utilities	2.7	3.2
Real Estate	2.3	2.8

Top Holdings	
UST Bill 03/19/20 When Iss	14.5%
CASH - USD	5.4%
APPLE	3.7%
MICROSOFT	3.6%
AMAZON.COM	2.3%
FACEBOOK CLASS A	1.5%
BERKSHIRE HATHAWAY 'B'	1.3%
JP MORGAN CHASE & CO.	1.3%
ALPHABET A	1.2%
ALPHABET 'C'	1.2%

	Best Performers		Worst Perforn	ners
%		Return %		Return %
1%	ADVANCED MICRO DEVICES	58.2%	TWITTER	-22.2%
%	QORVO	56.8%	VENTAS	-19.9%
6%	ALIGN TECHNOLOGY	54.2%	EXPEDIA GROUP	-19.3%
3%	SKYWORKS SOLUTIONS	53.2%	DOLLAR TREE	-17.6%
5%	CENTENE	45.3%	ARISTA NETWORKS	-14.9%
3%	TIFFANY & CO	44.9%	BOEING	-13.9%
3%	HUMANA	43.6%	MACERICH	-12.5%
2%	FORTINET	39.1%	PUBLIC STORAGE	-12.3%
2%	FREEPORT-MCMORAN	37.8%	ALLIANCE DATA SYSTEMS	-11.9%
	UNITEDHEALTH GROUP	35.8%	TRIPADVISOR 'A'	-11.7%

Current Allocations do not depict asset class weights based on long/short positions.

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Mellon Large Cap | As of December 31, 2019



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Mellon Large Cap | As of December 31, 2019

Account Information		
Account Name	Mellon Large Cap	
Account Structure	Commingled Fund	
Investment Style	Passive	
Inception Date	3/31/16	
Account Type	US Stock Large	
Benchmark	Russell 1000	
Universe	eV US Large Cap Core Equity Net	

Account	Characteristics	
	Portfolio	Index
	Q4-19	Q4-19
Characteristics		
Weighted Avg. Market Cap. (\$B)	246.7	246.6
Median Market Cap (\$B)	10.4	10.4
P/E Ratio	23.1	23.1
Yield	1.8	1.8
EPS Growth - 5 Yrs.	13.4	13.4
Price to Book	3.8	3.8
Beta (holdings; domestic)	1.0	1.0

Sector Distribution			
	Portfolio	Index	
	Q4-19	Q4-19	
Sector Distribution			
Energy	4.1	4.	
Materials	2.8	2.8	
Industrials	9.5	9.5	
Consumer Discretionary	10.0	10.0	
Consumer Staples	6.7	6.7	
Health Care	13.9	13.9	
Financials	13.2	13.2	
Information Technology	23.0	23.	
Communication Services	9.9	9.9	
Utilities	3.2	3.2	
Real Estate	3.7	3.7	

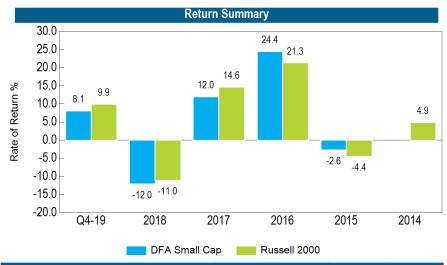
Top Holdings		
APPLE	4.4%	
MICROSOFT	4.0%	
AMAZON.COM	2.6%	
FACEBOOK CLASS A	1.6%	
BERKSHIRE HATHAWAY 'B'	1.5%	
JP MORGAN CHASE & CO.	1.5%	
ALPHABET A	1.3%	
ALPHABET 'C'	1.3%	
JOHNSON & JOHNSON	1.3%	
VISA 'A'	1.1%	

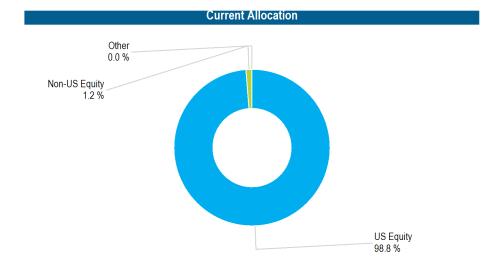
	Best Performers		Worst Performers	
.4%		Return %		Return %
.0%	TESLA	73.7%	BEYOND MEAT	-49.1%
.6%	SAREPTA THERAPEUTICS	71.3%	SAGE THERAPEUTICS	-48.5%
.6%	UBIQUITI	60.1%	CHESAPEAKE ENERGY	-41.4%
.5%	ADVANCED MICRO DEVICES	58.2%	SERVICEMASTER GLB.HDG.	-30.8%
.5%	QORVO	56.8%	TWITTER	-22.2%
1.3%	ZILLOW GROUP CLASS A	54.8%	TAUBMAN CENTERS	-22.1%
1.3%	ALIGN TECHNOLOGY	54.2%	ELASTIC	-21.9%
1.3%	ZILLOW GROUP CLASS C	54.1%	ETSY	-21.6%
1.1%	TRANSOCEAN	53.9%	SINCLAIR BROADCAST 'A'	-21.5%
	SKYWORKS SOLUTIONS	53.2%	VENTAS	-19.9%

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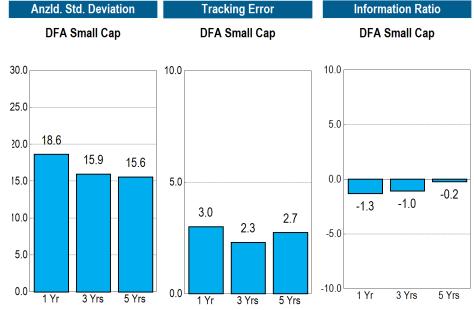


DFA Small Cap | As of December 31, 2019





	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
DFA Small Cap	21.7	6.2	7.7	
Russell 2000	25.5	8.6	8.2	11.8
eV US Small Cap Core Equity Net Median	24.3	8.2	8.5	12.1
eV US Small Cap Core Equity Net Rank	70	74	61	





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DFA Small Cap | As of December 31, 2019

Ac	count Information
Account Name	DFA Small Cap
Account Structure	Commingled Fund
Investment Style	Active
Inception Date	6/30/14
Account Type	US Stock Small
Benchmark	Russell 2000
Universe	eV US Small Cap Core Equity Net

Account C	haracteristics	
	Portfolio	Index
	Q4-19	Q4-19
Characteristics		
Weighted Avg. Market Cap. (\$B)	2.4	2.5
Median Market Cap (\$B)	0.8	0.8
P/E Ratio	18.7	19.8
Yield	1.3	1.4
EPS Growth - 5 Yrs.	9.1	9.3
Price to Book	2.4	2.5
Beta (holdings; domestic)	1.2	1.2

Sec	tor Distribution	
	Portfolio	Index
	Q4-19	Q4-19
Sector Distribution		
Energy	4.1	3.1
Materials	5.9	3.9
Industrials	20.6	15.8
Consumer Discretionary	14.5	10.9
Consumer Staples	4.4	3.0
Health Care	9.1	18.2
Financials	19.9	17.7
Information Technology	13.9	13.6
Communication Services	3.4	2.3
Utilities	3.7	3.7
Real Estate	0.6	7.8

Top Holdings	
TCF FINANCIAL	0.3%
ACI WORLDWIDE	0.3%
HELEN OF TROY	0.3%
TETRA TECH	0.3%
AMEDISYS	0.3%
DECKERS OUTDOOR	0.3%
SEABOARD	0.3%
ARMSTRONG WORLD INDS.	0.3%
NEXSTAR MEDIA GROUP CL.A	0.3%
FTI CONSULTING	0.3%

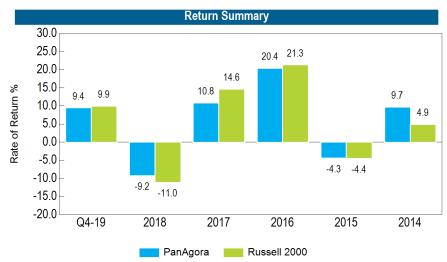
Best Performers		
	Return %	
IVERIC BIO	666.1%	CE
CHEMOCENTRYX	483.3%	DE
INTRA CELLULAR THERAPIES	359.3%	N
NEOLEUKIN THERAPEUTICS	332.3%	Н
STAGE STORES	331.9%	LS
SUPERIOR ENERGY SVCS	285.4%	M
NANTKWEST	210.7%	BA
JOUNCE THERAPEUTICS	162.2%	U
COMSCORE	158.6%	IN

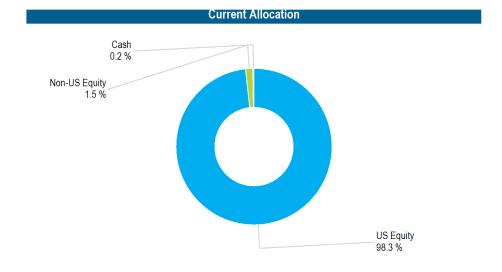
	Worst Performers	
eturn %		Return %
666.1%	CELADON GROUP	-98.8%
483.3%	DEAN FOODS	-94.8%
359.3%	NUVECTRA	-93.0%
332.3%	HORNBECK OFFS.SVS.	-86.2%
331.9%	LSC COMMUNICATIONS	-85.1%
285.4%	MCCLATCHY 'A'	-83.0%
210.7%	BASIC ENERGY SERVICES	-81.6%
162.2%	UNIT	-79.4%
158.6%	INTELSAT	-69.2%
138.5%	MCDERMOTT INTL.	-66.5%

EPIZYME

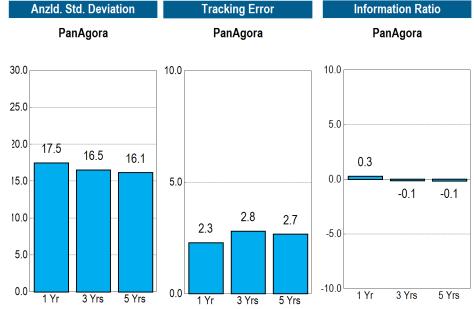


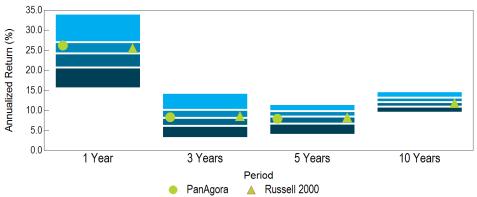
PanAgora | As of December 31, 2019





	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
PanAgora	26.2	8.3	7.9	
Russell 2000	25.5	8.6	8.2	11.8
eV US Small Cap Core Equity Net Median	24.3	8.2	8.5	12.1
eV US Small Cap Core Equity Net Rank	35	48	60	







PanAgora | As of December 31, 2019

	Account Information
Account Name	PanAgora
Account Structure	Commingled Fund
Investment Style	Active
Inception Date	9/30/13
Account Type	US Stock Small Cap Core
Benchmark	Russell 2000
Universe	eV US Small Cap Core Equity Net

Account Characteristics				
Portfolio Inde				
	Q4-19	Q4-19		
Characteristics				
Weighted Avg. Market Cap. (\$B)	2.5	2.5		
Median Market Cap (\$B)	0.8	0.8		
P/E Ratio	18.0	19.8		
Yield	1.4	1.4		
EPS Growth - 5 Yrs.	9.3	9.3		
Price to Book	2.5	2.5		
Beta (holdings; domestic)	1.2	1.2		

Se	ctor Distribution	
	Portfolio	Index
	Q4-19	Q4-19
Sector Distribution		
Energy	4.0	3.1
Materials	3.1	3.9
Industrials	16.1	15.8
Consumer Discretionary	12.2	10.9
Consumer Staples	5.1	3.0
Health Care	19.8	18.2
Financials	18.7	17.7
Information Technology	10.1	13.6
Communication Services	2.5	2.3
Utilities	3.6	3.7
Real Estate	4.4	7.8

Top Holdings		
FIVE9	1.4%	
PORTLAND GEN.ELEC.	1.4%	
PNM RESOURCES	1.3%	
SKYWEST	1.2%	
DECKERS OUTDOOR	1.2%	
INSIGHT ENTS.	1.1%	
SUNSTONE HTL.INVRS.	1.1%	
INTERNATIONAL BCSH.	1.0%	
PERFORMANCE FOOD GROUP	1.0%	
UNITED COMMUNITY BANKS	1.0%	

Best Performers		
	Return %	
CHEMOCENTRYX	483.3%	L
MERSANA THERAPEUTICS	262.7%	U
ARQULE	178.4%	C
CLOVIS ONCOLOGY	165.3%	Α
DERMIRA	137.2%	S
MOLECULAR TEMPLATES	112.2%	S
IMMUNOGEN	111.0%	F
RECRO PHARMA	84.5%	N
OSMOTICA PHARMACEUTICALS	82.0%	I
COLLEGIUM PHARMACEUTICAL	79.3%	L

	Worst Performers	
ı %		Return %
3%	LSC COMMUNICATIONS	-85.1%
7%	UNIT	-79.4%
4%	CYCLERION THERAPEUTICS	-77.6%
3%	AKORN	-60.5%
2%	SPECTRUM PHARMS.	-56.1%
2%	SMILEDIRECTCLUB A	-37.0%
0%	FOSSIL GROUP	-37.0%
5%	MODINE MANUFACTURING	-32.3%
0%	IDT 'B'	-31.5%
3%	LEE ENTERPRISES	-30.4%



Current Allocation

International Equity | As of December 31, 2019

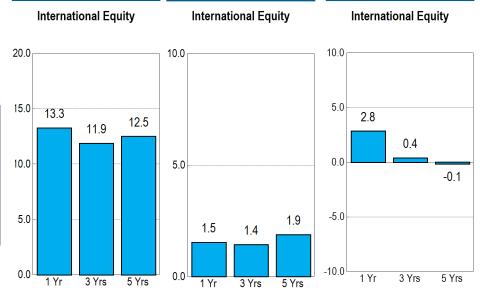
Information Ratio

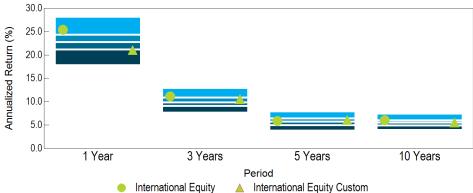


RWC 11.7 %		Wells Capital 0.0 %
GQG International Equity 24.4 %		Acadian ACWI ex U.S. Small Cap Equity 6.0 % Artisan Developing World TR
First Eagle International Value Fund 24.4 %		27.3 % Driehaus International Small Cap Growth

Tracking Error

	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
International Equity	25.4	11.2	5.9	6.0
International Equity Custom	21.0	10.6	6.1	5.6
InvMetrics All DB ex-US Eq Net Median	22.8	9.9	5.8	5.5
InvMetrics All DB ex-US Eq Net Rank	17	24	43	28





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Anzld. Std. Deviation



International Equity | As of December 31, 2019

International Equity Characteristics vs MSCI ACWI ex USA				
	Portfolio	Index		
	Q4-19	Q4-19		
Characteristics				
Weighted Avg. Market Cap. (\$B)	80.3	74.1		
Median Market Cap (\$B)	0.6	8.2		
P/E Ratio	19.2	16.3		
Yield	2.0	3.0		
EPS Growth - 5 Yrs.	14.5	9.1		
Price to Book	3.1	2.4		
Beta (holdings; domestic)	1.0	1.0		

International Equity Sector Distribution vs MSCI ACWI ex USA				
	Portfolio	Index		
	Q4-19	Q4-19		
Sector Distribution				
Energy	1.5	6.5		
Materials	9.5	7.4		
Industrials	6.0	12.0		
Consumer Discretionary	9.6	11.8		
Consumer Staples	7.3	9.4		
Health Care	6.6	8.8		
Financials	13.8	21.5		
Information Technology	12.3	9.3		
Communication Services	6.9	6.6		
Utilities	1.1	3.4		
Real Estate	6.2	3.2		

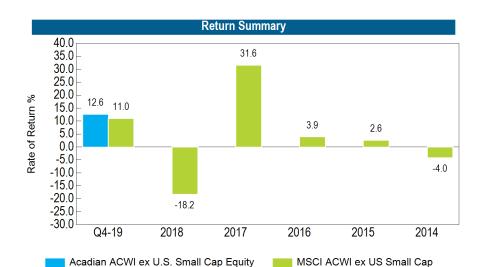
Top Holdings		
CASH - USD	8.5%	
HOA PHAT GROUP	4.5%	AUGEAN
VINCOM RETAIL	4.3%	WAH SEO
MISCELLANEOUS SECURITIES	3.7%	CSU CAR
ALIBABA GROUP HOLDING ADR 1:8	2.4%	SING TAC
GOLD-PHYSICAL	2.2%	DART GR
HDFC BANK ADR 1:3	2.2%	UCHIDA Y
VISA 'A'	1.6%	CROPENE
NVIDIA	1.4%	ZYMEWO
NESTLE 'N'	1.3%	MCBRIDE

Best Performers		Worst Performers	
	Return %		Return %
AUGEAN	114.0%	TULLOW OIL	-67.8%
WAH SEONG CORPORATION	101.4%	TORSTAR 'B'	-48.9%
CSU CARDSYSTEM ON	100.3%	REITMANS (CANADA) 'A'	-48.5%
SING TAO NEWS	100.0%	SMARTGROUP CORPORATION	-40.8%
DART GROUP	99.4%	JIANPU TECHNOLOGY ADR 2:5	-40.4%
UCHIDA YOKO	90.5%	ARCELORMITTAL SA.	-39.7%
CROPENERGIES	84.3%	MEDICAL FACILITIES	-37.6%
ZYMEWORKS (NYS)	83.3%	JUMBO INTERACTIVE	-35.8%
MCBRIDE	82.9%	QUDIAN ADR 1:1	-31.6%
OSMOTICA PHARMACEUTICALS	82.0%	ADCORP	-31 4%

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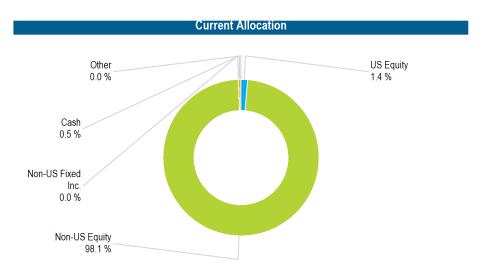


Acadian ACWI ex U.S. Small Cap Equity | As of December 31, 2019



	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
Acadian ACWI ex U.S. Small Cap Equity				
MSCI ACWI ex US Small Cap	22.4	9.6	7.0	6.9
eV ACWI ex-US Small Cap Equity Net Median	24.9	12.8	8.8	9.4
eV ACWI ex-US Small Cap Equity Net Rank				





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Acadian ACWI ex U.S. Small Cap Equity | As of December 31, 2019

	Account Information
Account Name	Acadian ACWI ex U.S. Small Cap Equity
Account Structure	Commingled Fund
Investment Style	Active
Inception Date	5/01/19
Account Type	International
Benchmark	MSCI ACWI ex US Small Cap
Universe	eV ACWI ex-US Small Cap Equity Net

Account C	haracteristics	
	Portfolio	Index
	Q4-19	Q4-19
Characteristics		
Weighted Avg. Market Cap. (\$B)	2.1	2.8
Median Market Cap (\$B)	0.3	1.1
P/E Ratio	12.1	17.2
Yield	2.9	2.5
EPS Growth - 5 Yrs.	14.2	10.7
Price to Book	2.1	2.2
Beta (holdings; domestic)	1.0	0.9

Sector	Distribution	
	Portfolio	Index
	Q4-19	Q4-19
Sector Distribution		
Energy	2.4	3.5
Materials	8.5	9.7
Industrials	15.3	21.1
Consumer Discretionary	12.7	12.1
Consumer Staples	1.4	5.9
Health Care	7.5	6.9
Financials	16.2	10.6
Information Technology	18.1	9.7
Communication Services	5.3	4.4
Utilities	0.9	2.7
Real Estate	6.9	13.2

Top Holdings	
CANADIAN WESTERN BANK	1.6%
BOYD GROUP INCOME	1.5%
IA FINANCIAL	1.4%
BRP	1.2%
QUEBECOR 'B'	1.2%
ASR NEDERLAND	1.1%
QILIANSHAN ORD A	1.1%
UNIPOL GRUPPO FINANZIARI	1.0%
PHOENIX GROUP HDG.	0.9%
CYBER ARK SOFTWARE	0.9%

Best Performers		
	Return %	
AUGEAN	114.0%	T
WAH SEONG CORPORATION	101.4%	R
CSU CARDSYSTEM ON	100.3%	S
SING TAO NEWS	100.0%	Α
DART GROUP	99.4%	M
UCHIDA YOKO	90.5%	JI
CROPENERGIES	84.3%	Q
ZYMEWORKS (NYS)	83.3%	Α
MCBRIDE	82.9%	X

	Worst Performers	
turn %		Return %
114.0%	TORSTAR 'B'	-48.9%
101.4%	REITMANS (CANADA) 'A'	-48.5%
100.3%	SMARTGROUP CORPORATION	-40.8%
100.0%	ARCELORMITTAL SA.	-39.7%
99.4%	MEDICAL FACILITIES	-37.6%
90.5%	JUMBO INTERACTIVE	-35.8%
84.3%	QUDIAN ADR 1:1	-31.6%
83.3%	ADCORP	-31.4%
82.9%	XIWANG SPECIAL STEEL CO.	-30.6%
82.0%	JUST ENERGY GROUP	-29.1%

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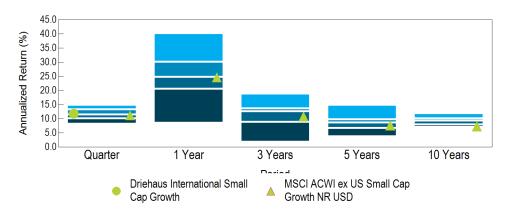
OSMOTICA PHARMACEUTICALS

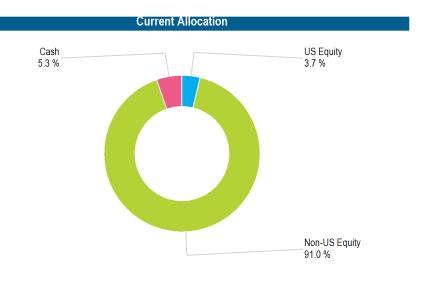


Driehaus International Small Cap Growth | As of December 31, 2019



	3 Mo (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
Driehaus International Small Cap Growth	11.8				
MSCI ACWI ex US Small Cap Growth NR USD	11.2	24.6	10.8	7.6	7.3
eV ACWI ex-US Small Cap Equity Net Median	11.6	24.9	12.8	8.8	9.4
eV ACWI ex-US Small Cap Equity Net Rank	46				





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Driehaus International Small Cap Growth | As of December 31, 2019

Account Information				
Account Name	Driehaus International Small Cap Growth			
Account Structure	Commingled Fund			
Investment Style	Active			
Inception Date	5/01/19			
Account Type	International			
Benchmark	MSCI ACWI ex US Small Cap Growth NR USD			
Universe	eV ACWI ex-US Small Cap Equity Net			

Account	Characteristics	
	Portfolio	Index
	Q4-19	Q4-19
Characteristics		
Weighted Avg. Market Cap. (\$B)	4.5	2.8
Median Market Cap (\$B)	3.8	1.1
P/E Ratio	25.0	17.2
Yield	3.4	2.5
EPS Growth - 5 Yrs.	12.4	10.7
Price to Book	3.3	2.2
Beta (holdings; domestic)	0.8	0.9

٤	Sector Distribution	
	Portfolio	Index
	Q4-19	Q4-19
Sector Distribution		
Energy	3.5	3.5
Materials	5.2	9.7
Industrials	21.2	21.1
Consumer Discretionary	12.7	12.1
Consumer Staples	6.9	5.9
Health Care	10.3	6.9
Financials	5.8	10.6
Information Technology	18.7	9.7
Communication Services	5.4	4.4
Utilities	0.0	2.7
Real Estate	3.9	13.2

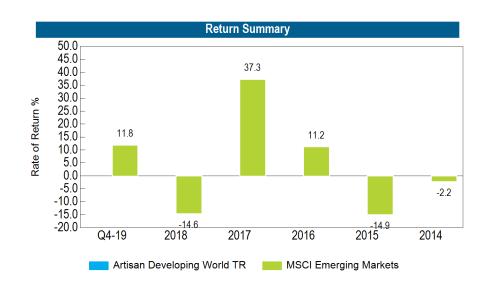
Top Holdings	
NORTHERN INSTITUTIONAL U.S. GOVERNMENT SELECT PORTFOLIO	5.3%
PARKLAND FUEL	1.9%
TEAMVIEWER (WBO)	1.7%
LEONARDO	1.6%
SQUARE ENIX HOLDINGS	1.5%
CAE	1.5%
SUL AMERICA UNITS	1.5%
TOKYO TATEMONO	1.5%
GREGGS	1.5%
SERCO GROUP	1.4%

	Best Performers		Worst Performers	
%		Return %		Return %
%	LASERTEC	64.0%	EMPIRE 'A'	-13.0%
/U %	NICHIAS	44.9%	OCI	-10.9%
/O 0/4	ASCENDIS PHARMA ADR 1:1	44.4%	BK BRA.OPEAS.A RTR. ON	-10.7%
/U) <u>/</u>	KOBE BUSSAN	43.3%	RHEINMETALL	-9.9%
/O 0/4	KELT EXPLORATION	42.9%	SG HOLDINGS	-7.5%
/U) <u>/</u>	CKD	42.4%	STOCK SPIRITS GROUP	-4.7%
/U)Z	ARGENX	42.0%	NET ONE SYSTEMS	-4.5%
/U) <u>/</u>	WH SMITH	40.7%	UBISOFT ENTM.	-4.4%
%	TEAMVIEWER (WBO)	37.5%	YOKOGAWA ELECTRIC	-3.0%
	M&A CAPITAL PARTNERS	36.0%	DINO POLSKA SA	-2.9%

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Artisan Developing World TR | As of December 31, 2019



	Current Allocation	
Other 13.6 %		US Equity 17.6 %
Cash29.8 %		Non-US Equity 38.3 %
US Fixed Inc		

	3 Mo (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
RWC					
MSCI Emerging Markets					

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Artisan Developing World TR | As of December 31, 2019

	Account Information
Account Name	Artisan Developing World TR
Account Structure	Commingled Fund
Investment Style	Active
Inception Date	12/01/19
Account Type	International Emerging Stocks
Benchmark	MSCI Emerging Markets
Universe	

Α	ccount Characteristi	cs	S	ector Distribution	
	Portfolio	Index		Portfolio	Index
	Q4-19	Q4-19		Q4-19	Q4-19
Characteristics			Sector Distribution		
Weighted Avg.	139.5	106.2	Energy	0.0	7.4
Market Cap. (\$B)	103.0	100.2	Materials	0.0	7.3
Median Market Cap	25.5	5.9	Industrials	0.0	5.3
(\$B)			Consumer	15.0	14.3
P/E Ratio	36.9	15.0	Discretionary	15.3	14.5
Yield	0.5	2.7	Consumer Staples	6.3	6.2
EPS Growth - 5 Yrs.	27.3	13.1	Health Care	1.9	2.7
Price to Book	10.7	2.6	Financials	8.1	24.5
Beta (holdings; domestic)	1.2		Information Technology	12.7	15.6
			Communication Services	10.8	11.0
			Utilities	0.0	2.6
			Real Estate	0.0	3.0

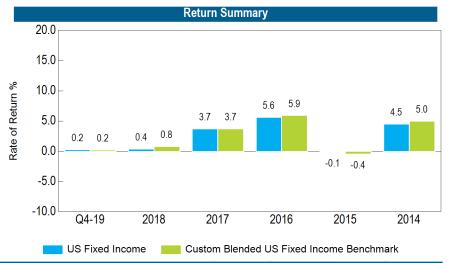
Top Holdings	
ALIBABA GROUP HOLDING ADR 1:8	7.8%
HDFC BANK ADR 1:3	7.6%
SEA 'A' SPN.ADR 1:1	7.5%
MERCADOLIBRE	6.9%
TAL EDUCATION GROUP CL.A ADR 3:1	6.6%
AIA GROUP (OTC)	6.6%
ADYEN UNSPONSORED NETHERL 50 ADR 50:1	6.6%
NVIDIA	6.6%
TENCENT HOLDINGS (OTC)	6.1%
VISA 'A'	6.1%

Best Performers		Worst Performers	
	Return %		Return %
TAL EDUCATION GROUP CL.A ADR 3:1	40.8%	ARCO PLATFORM A	-12.8%
NVIDIA	35.3%	VEEVA SYSTEMS CL.A	-7.9%
SEA 'A' SPN.ADR 1:1	30.0%	REMY COINT.UNSP. FRN.ADR 10:1	-7.9%
ALIBABA GROUP HOLDING ADR 1:8	26.8%	CP ALL FB	-5.5%
YANDEX	24.2%	DNP SELECT INCOME FUND	0.8%
HUAZHU GROUP ADR 1:1	21.4%	DIAGEO (OTC)	1.7%
NETFLIX	20.9%	MERCADOLIBRE	3.8%
ASML HLDG.ADR 1:1	19.6%	ESTEE LAUDER COS.'A'	4.1%
RAIA DROGASIL ADR 1:1	16.8%	HERMES INTL. (OTC)	8.2%
TENCENT HOLDINGS (OTC)	15.7%	VISA 'A'	9.4%

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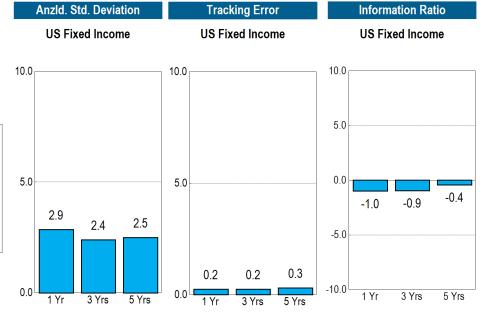


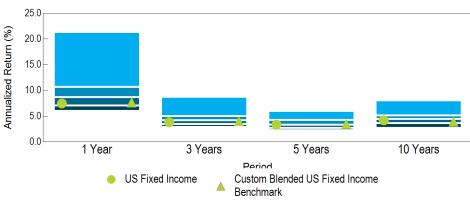
US Fixed Income | As of December 31, 2019



	Current Allocation	
Vanguard Total Bond Market Index Fund 35.4 %		Barrow Hanley 35.9 %
Vanguard Short-Term Treasury Index Fund 28.7 %		

	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
US Fixed Income	7.5	3.8	3.4	4.2
Custom Blended US Fixed Income Benchmark	7.7	4.0	3.5	3.9
InvMetrics All DB US Fix Inc Net Median	8.7	4.2	3.4	4.5
InvMetrics All DB US Fix Inc Net Rank	71	68	52	61







US Fixed Income | As of December 31, 2019

US Fixed Income Fixed Income Characteristics vs. BBgBarc US Aggregate TR				US Fixed Income Fixed Income Duration vs. BBgBarc US Aggregate TR					
Portfolio Index Portfolio Index				ortfolio	Index	Portfolio	Index		
	Q4-19	Q4-19	Q3-19	Q3-19		Q4-19	Q4-19	Q3-19	Q3-19
Fixed Income Characteristics					Credit Quality Allocation				
Yield to Maturity	2.13	2.31	2.13	2.27	AAA	73.85	72.03	74.51	71.98
Average Duration	4.88	6.32	4.81	6.32	AA	2.54	3.38	2.52	3.46
Average Quality	AA	AA	AA	AA	A	10.70	10.78	10.27	10.68
Weighted Average Maturity	8.11	13.12	8.14	13.11	BBB	12.91	13.80	12.71	13.86

US Fixed Income Fixed Income Sector Allocation											
vs. BBgBarc US Aggregate TR											
	Portfolio Index Portfoli										
	Q4-19	Q4-19	Q3-19	Q3-19							
US Sector Allocation											
UST/Agency	47.60	42.06	52.10	42.29							
Corporate	23.80	25.05	23.06	25.15							
MBS	20.41	29.14	19.50	28.87							
ABS	2.66	0.45	2.41	0.45							
Foreign	1.71	2.34	2.36	2.31							
Muni	0.65	0.95		0.93							
Other			0.02								
Cash	3.18		0.54								

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Barrow Hanley | As of December 31, 2019





Barrow Hanley | As of December 31, 2019

Acc	ount Information	Fixed Income Characteristics			Fixed Income Characteristics		
Account	Barrow Hanley		Portfolio	Index		Portfolio	Index
Name	Ballow Halliey		Q4-19	Q4-19		Q4-19	Q4-19
Account Structure	Separate Account	Fixed Income Characteristics	Q+ 12	לו דיט	Credit Quality Allocation	Q4 12	Q T I D
Investment	Active	Yield to Maturity	2.37	2.31	AAA	59.12	72.03
Style	Active	Average Duration	5.77	6.32	AA	3.70	3.38
Inception Date	3/31/10	Average Quality	AA	AA	Α	18.60	10.78
Account Type	US Fixed Income Core	Weighted Average Maturity	7.92	1312	BBB	18.58	13.80
Benchmark	BBgBarc US Aggregate TR	Weighted Average Maturity	1.92	15.12		10.50	15.00
Universe	eV US Core Fixed Inc Net						

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Vanguard Short-Term Treasury Index Fund | As of December 31, 2019

Description:

The investment seeks to track the performance of a market-weighted Treasury index with a short-term dollar-weighted average maturity.

The fund employs an indexing investment approach designed to track the performance of the Bloomberg Barclays US Treasury 1-3 Year Bond Index. This index includes fixed income securities issued by the U.S. Treasury (not including inflation-protected securities), all with maturities between 1 and 3 years. At least 80% of the fund's assets will be invested in bonds included in the index.

Portfolio Fund Information a	as of December 31,	Top Holdings as of December 31, 20	Fund Characteristics as of December 31, 2019		
2019		UNITED STATES TREASURY NOTES 1.5%	2.65%	Sharpe Ratio (3 Year)	
Ticker	VSBIX	UNITED STATES TREASURY NOTES 2.25%	2.52%	Average Duration	1.92
Morningstar Category	Short Government	UNITED STATES TREASURY NOTES 1.75%	2.48%	Effective Duration	1.92
Average Market Cap (\$mm)		UNITED STATES TREASURY NOTES 2.62%	2.43%	Modified Duration	
Net Assets (\$mm)	1,090.69	UNITED STATES TREASURY NOTES 1.62%	2.38%	Average Coupon	1.97%
% Assets in Top 10 Holdings	23.62	UNITED STATES TREASURY NOTES 1.62%	2.29%	Average Effective Maturity	2.00
Total Number of Holdings	98	UNITED STATES TREASURY NOTES 1.38%	2.28%	R-Squared (3 Year)	
Manager Name	Joshua C. Barrickman	UNITED STATES TREASURY NOTES 1.25%	2.22%	Alpha (3 Year)	
Manager Tenure	7	UNITED STATES TREASURY NOTES 2.88%	2.19%	Beta (3 Year)	
Expense Ratio	0.05%	UNITED STATES TREASURY NOTES 1.88%	2.18%		
Closed to New Investors	No				

Maturities as of Decemb	er 31, 2019	Fixed Income Sectors as o	of December 31, 2019	Credit Qual	ity as of November 30, 2019
1 to 3 Years	98.31%	GOVERNMENT	99.52%	AAA	96.63%
3 to 5 Years	1.33%	MUNICIPAL	0.00%	AA	0.00%
5 to 7 Years	0.00%	CORPORATE	0.00%	A	0.00%
7 to 10 Years	0.00%	SECURITIZED	0.00%	BBB	3.37%
10 to 15 Years	0.00%	CASH & EQUIVALENTS	0.48%	ВВ	0.00%
15 to 20 Years	0.00%	DERIVATIVE	0.00%	В	0.00%
20 to 30 Years	0.00%			Below B	0.00%
Greater than 30 Years	0.00%			Not Rated	0.00%

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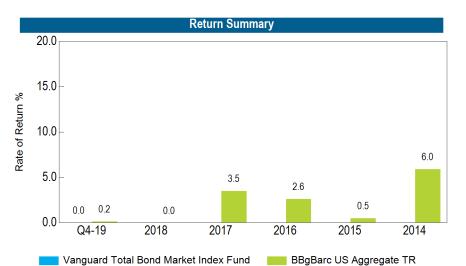
Vanguard Short-Term Treasury Index Fund | As of December 31, 2019



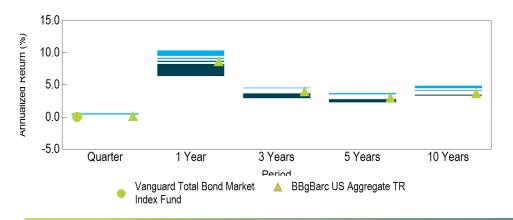
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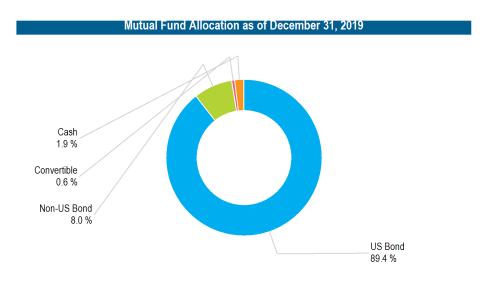


Vanguard Total Bond Market Index Fund | As of December 31, 2019



	3 Mo (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
Vanguard Total Bond Market Index Fund	0.0				
BBgBarc US Aggregate TR	0.2	8.7	4.0	3.0	3.7
eV US Core Fixed Inc Net Median	0.2	9.0	4.1	3.1	4.0
eV US Core Fixed Inc Net Rank	71				





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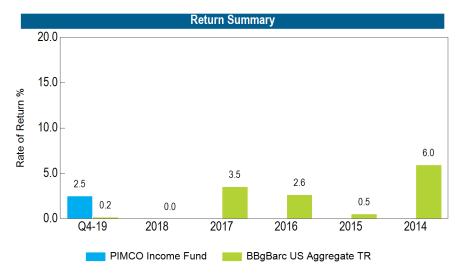
Vanguard Total Bond Market Index Fund | As of December 31, 2019

Account Information		Fixed Income Characteristics			Fixed Income Characteristics		
Account	Vanguard Total Bond Market Index Fund		Portfolio	Index		Portfolio	Index
Name	vangadra rotal Bolla Market Mack Falla		Q4-19	Q4-19		Q4-19	Q4-19
Account Structure	Mutual Fund	Fixed Income Characteristics			Credit Quality Allocation		
Investment	Passive	Yield to Maturity	2.30	2.31	AAA	67.55	72.03
Style	1 033146	Average Duration	6.22	6.32	AA	3.43	3.38
Inception Date	5/01/19	Average Quality	AA	AA	Α	11.37	10.78
Account Type	US Fixed Income		8.30	1312	BBB	17.65	13.80
Benchmark	BBgBarc US Aggregate TR	Weighted Average Maturity	0.30	13.12		17.05	13.00
Universe	eV US Core Fixed Inc Net						

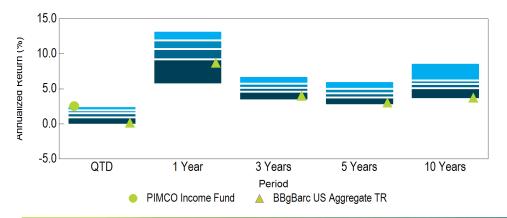
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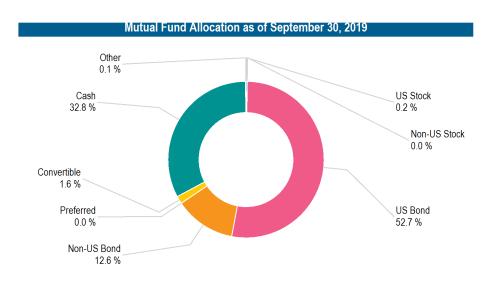


PIMCO Income Fund | As of December 31, 2019



	3 Mo (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
PIMCO Income Fund	2.5				
BBgBarc US Aggregate TR	0.2	8.7	4.0	3.0	3.7
Multisector Bond MStar MF Median	1.5	10.7	5.1	4.4	5.7
Multisector Bond MStar MF Rank	5				





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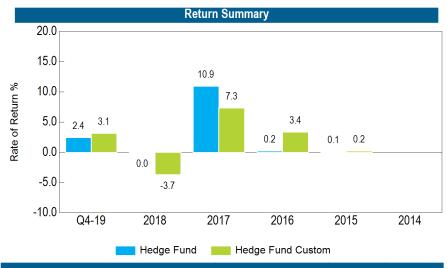
PIMCO Income Fund | As of December 31, 2019

	Account Information	Fixed Income Characteristics			Fixed Income Characteristics		
Account	PIMCO Income Fund		Portfolio	Index		Portfolio	Index
Name	i imoo moome i unu		Q4-19	Q4-19		Q4-19	Q4-19
Account Structure	Mutual Fund	Fixed Income Characteristics		4117	Credit Quality Allocation		4,12
Investment	Active	Yield to Maturity		2.31	AAA	37.80	72.03
Style		Average Duration	0.91	6.32	AA	5.50	3.38
Inception Date	4/30/19	Average Quality	BBB	AA	Α	7.60	10.78
Account Type	Client Directed Opportunistic				BBB	9.30	13.80
Benchmark	BBgBarc US Aggregate TR	Weighted Average Maturity		15.12			
Universe	Multisector Bond MStar MF				BB	9.70	
					В	16.40	
					ccc	13.70	

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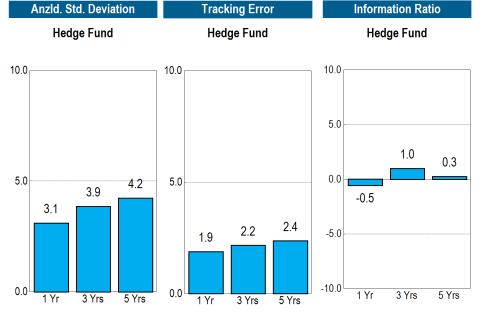


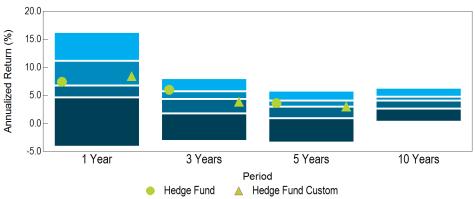
Hedge Fund | As of December 31, 2019



	Current Allocat	tion
Winton 8.0 %		Graham Absolute Return 9.8 %
Wellington-A-rchipelago		KLS Diversified 11.7 %
16.0 %		Laurion Capital 6.9 %
Opportunity Fund 13.4 %		Marshall Wace Eureka 4.4 %
Silver Point Capital 15.9 %		Sculptor (OZ) Domestic II 14.0 %

	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
Hedge Fund	7.4	6.0	3.6	
Hedge Fund Custom	8.4	3.9	3.0	
InvMetrics All DB Hedge Funds Net Median	6.8	4.4	3.0	4.1
InvMetrics All DB Hedge Funds Net Rank	46	22	36	





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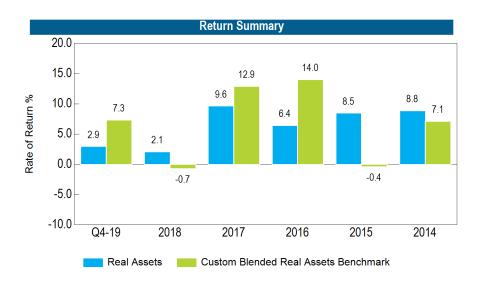
Private Equity | As of December 31, 2019



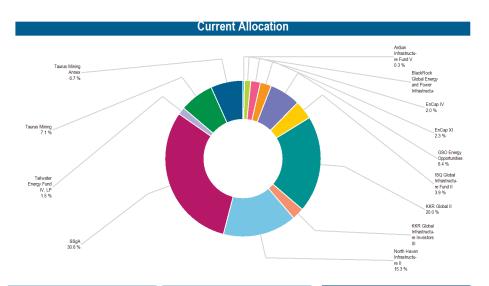
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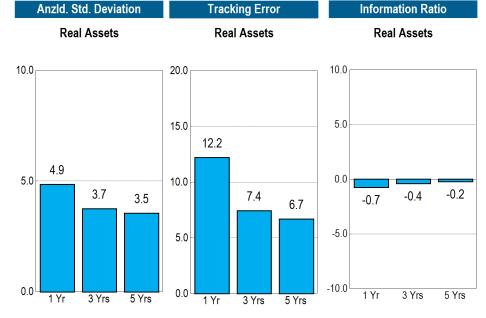


Real Assets | As of December 31, 2019



1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
13.6	8.3	8.0	
22.2	11.1	9.2	
8.2	5.9	4.1	7.0
19	24	23	
	(%) 13.6 22.2 8.2	(%) (%) 13.6 8.3 22.2 11.1 8.2 5.9	(%) (%) 13.6 8.3 8.0 22.2 11.1 9.2 8.2 5.9 4.1

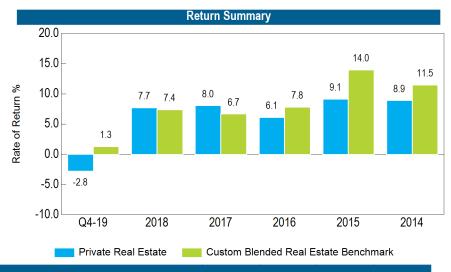


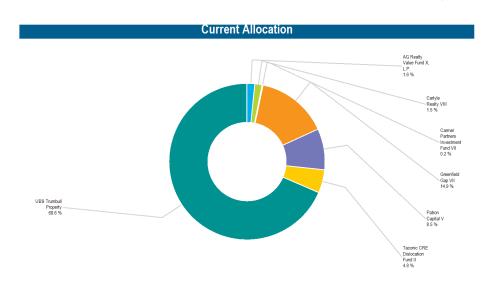


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Private Real Estate | As of December 31, 2019





1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
-1.2	4.7	5.9	
4.4	6.1	8.0	10.4
95	89	91	
5.3	6.5	8.0	10.5
	(%) -1.2 4.4 95	(%) (%) -1.2 4.7 4.4 6.1 95 89	(%) (%) -1.2 4.7 5.9 4.4 6.1 8.0 95 89 91

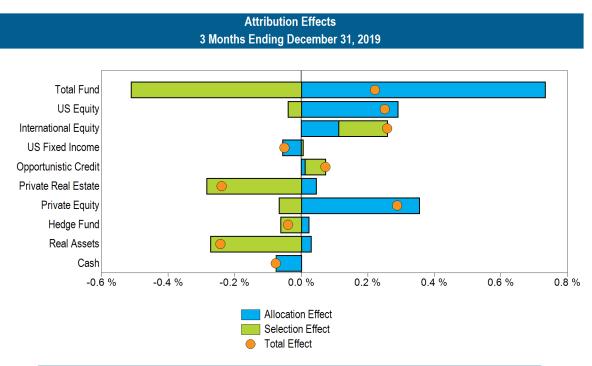




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Total Fund | As of December 31, 2019



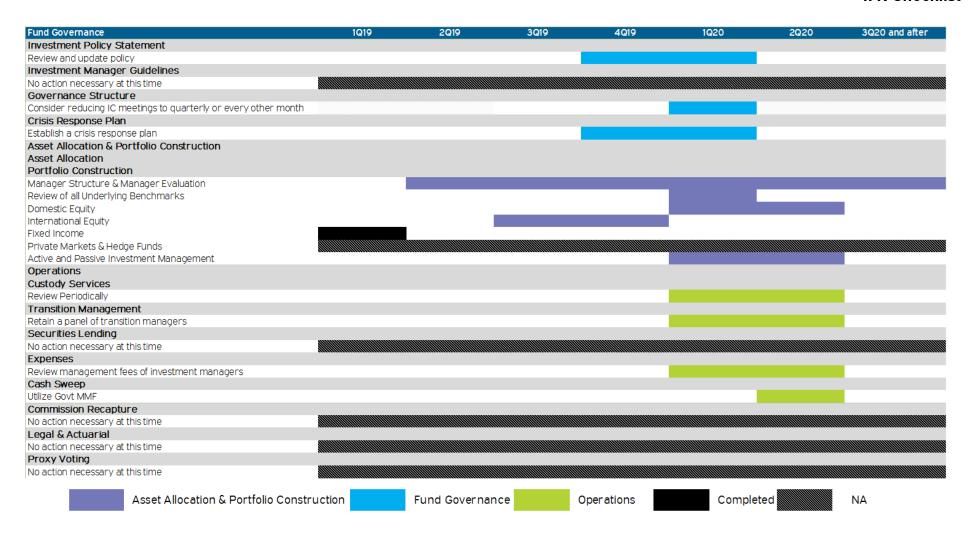
3 Months Ending December 31, 2019									
	Policy Weight	Wtd. Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Total Effects		
US Equity	21.0%	9.1%	9.2%	-0.1%	0.0%	0.3%	0.3%		
International Equity	18.0%	10.6%	9.9%	0.7%	0.1%	0.1%	0.3%		
US Fixed Income	18.0%	0.2%	0.2%	0.0%	0.0%	-0.1%	-0.1%		
Opportunistic Credit	5.0%	2.5%	1.2%	1.3%	0.1%	0.0%	0.1%		
Private Real Estate	8.0%	-2.8%	1.3%	-4.1%	-0.3%	0.0%	-0.2%		
Private Equity	15.0%	-0.1%	1.2%	-1.3%	-0.1%	0.4%	0.3%		
Hedge Fund	10.0%	2.4%	3.1%	-0.7%	-0.1%	0.0%	0.0%		
Real Assets	5.0%	2.9%	7.3%	-4.4%	-0.3%	0.0%	-0.2%		
Cash	0.0%	0.4%	0.4%	0.0%	0.0%	-0.1%	-0.1%		
Total	100.0%	5.0%	4.7%	0.2%	-0.5%	0.7%	0.2%		

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IFR Checklist



IFR Checklist





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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. Portfolio Return- [Risk Free Rate+Beta*(market return-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.

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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 is 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.

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.

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.

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.

Tracking Error: A divergence between the price behavior of a position or a portfolio and the price behavior of a benchmark, as defined by the difference in standard deviation.

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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%.

Yield to Worst: The lowest potential yield that can be received on a bond without the issuer actually defaulting. The yield to worst is calculated by making worst-case scenario assumptions on the issue by calculating the returns that would be received if provisions, including prepayment, call, or sinking fund, are used by the issuer.

NCREIF Property Index (NPI): Measures unleveraged investment performance of a very large pool of individual commercial real estate properties acquired in the private market by tax-exempt institutional investors for investment purposes only. The NPI index is capitalization-weighted for a quarterly time series composite total rate of return.

NCREIF Fund Index - Open End Diversified Core Equity (NFI-ODCE): Measures the investment performance of 28 open-end commingled funds pursuing a core investment strategy that reflects funds' leverage and cash positions. The NFI-ODCE index is equal-weighted and is reported gross and net of fees for a quarterly time series composite total rate of return.

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.

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