

Merced County Employees' Retirement Association

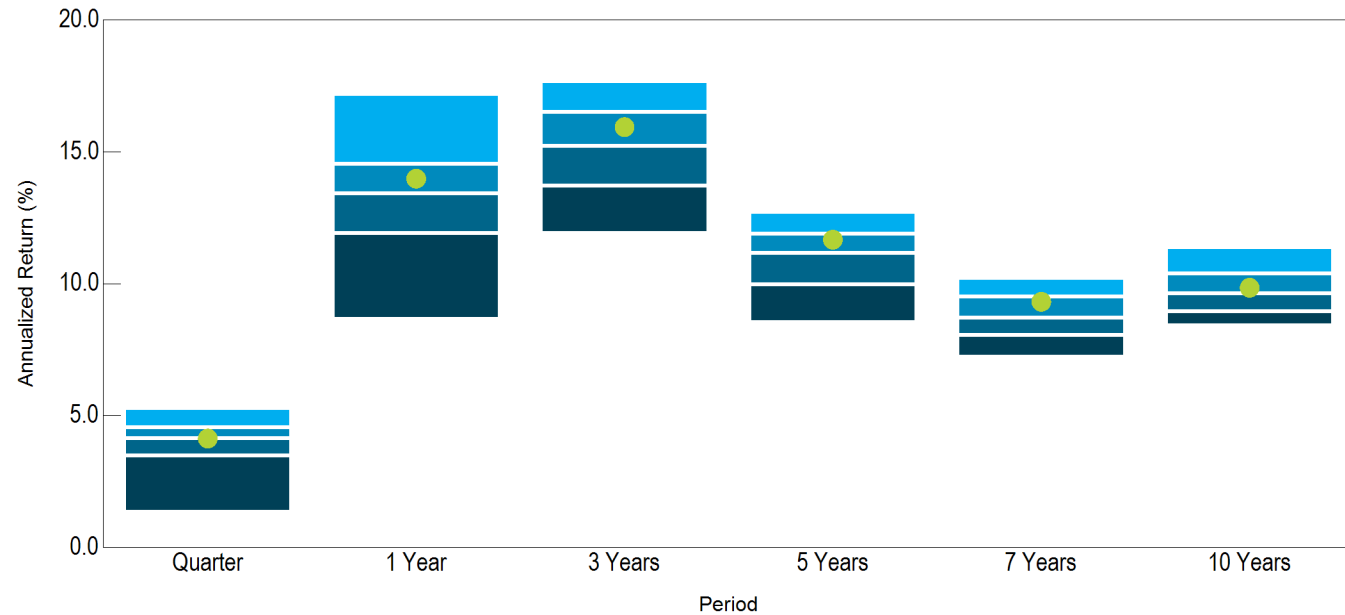
February 24, 2022

Q4 Peer Performance and
January Interim

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Q4 Peer Performance Review

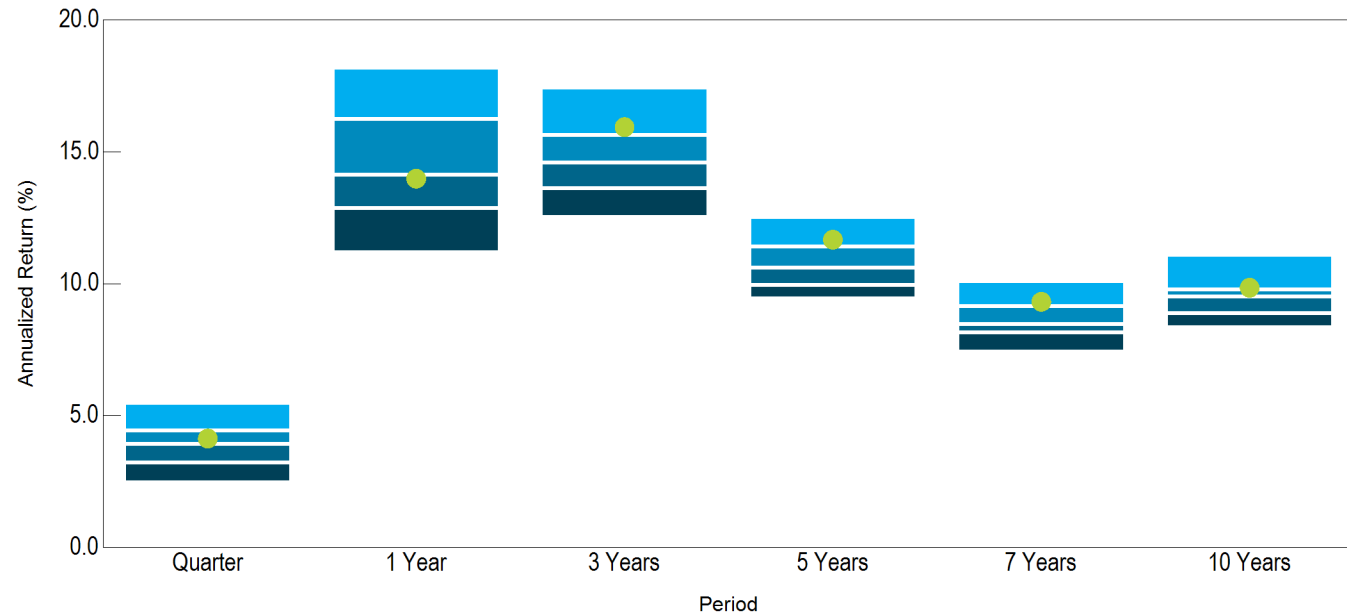
InvMetrics Public DB \$250mm-\$1B Net Return Comparison Ending December 31, 2021



Return (Rank)

	Quarter	1 Year	3 Years	5 Years	7 Years	10 Years
5th Percentile	1.4	8.7	11.9	8.6	7.3	8.4
25th Percentile	3.5	11.9	13.7	10.0	8.1	9.0
Median	4.2	13.4	15.3	11.2	8.7	9.7
75th Percentile	4.6	14.6	16.5	11.9	9.5	10.4
95th Percentile	5.3	17.2	17.7	12.7	10.2	11.4
# of Portfolios	81	81	80	75	69	65
● Total Fund	4.1 (52)	14.0 (43)	15.9 (37)	11.7 (32)	9.3 (34)	9.8 (44)

InvMetrics Public DB \$1-5B (net) USD Return Comparison Ending December 31, 2021



Return (Rank)

5th Percentile	5.5	18.2	17.4	12.5	10.1	11.1
25th Percentile	4.4	16.3	15.7	11.4	9.2	9.8
Median	3.9	14.1	14.6	10.6	8.5	9.5
75th Percentile	3.2	12.9	13.6	10.0	8.2	8.9
95th Percentile	2.5	11.2	12.6	9.5	7.4	8.4
# of Portfolios	48	47	47	47	46	42
● Total Fund	4.1 (36)	14.0 (53)	15.9 (22)	11.7 (16)	9.3 (18)	9.8 (24)

Economic and Market Update

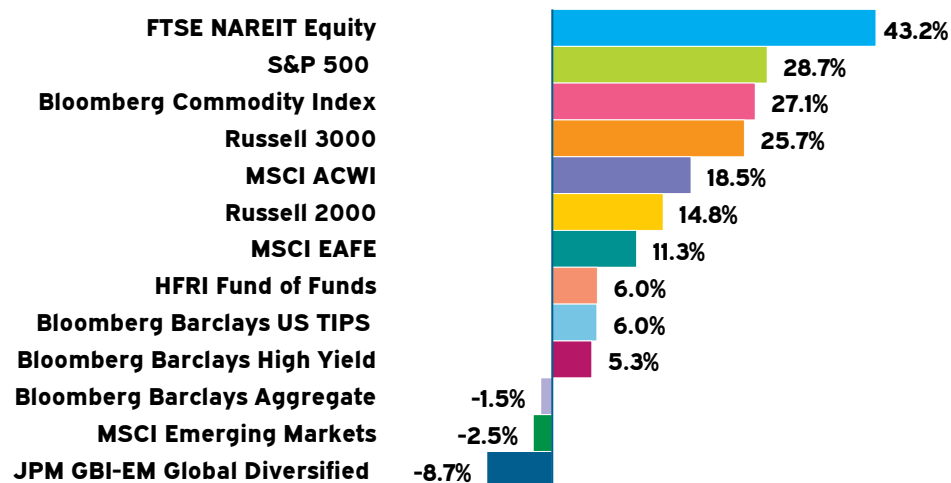
Data as of January 31, 2022

January Commentary

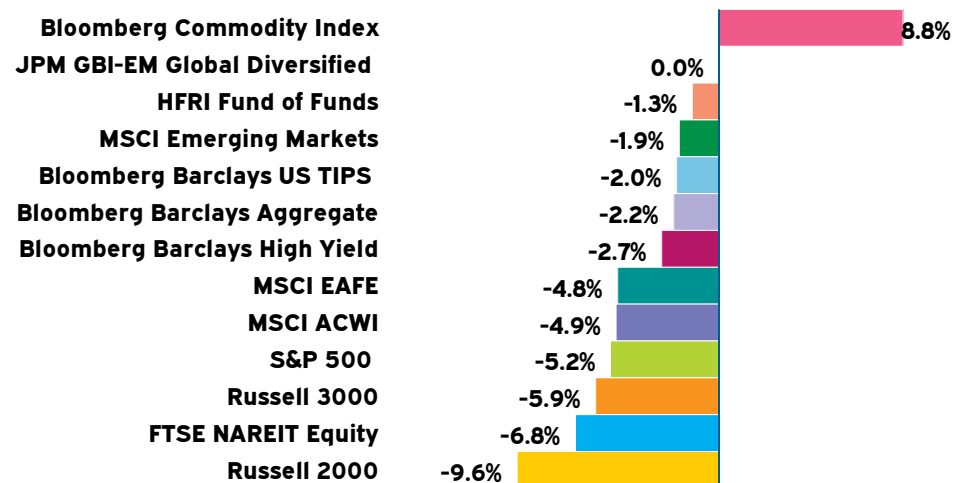
- Expectations for policy tightening to happen faster than previously expected given persistent inflation led to significant volatility to start the year.
 - With a few exceptions most asset classes were down in January.
 - Volatility in equities, as represented by the VIX, spiked.
 - Equity markets led declines with the US down the most.
 - Rates increased across the US yield curve, with flattening continuing.
 - Value once again outpaced growth in the US given higher rates.
 - The dollar strengthened against a broad basket of peers with a few commodity-sensitive currencies outperforming.
 - Inflation expectations fell but remain elevated.
- Looking ahead, the pace of policy tightening, the track of inflation, geopolitical issues, and the path of the virus will all be key.

Index Returns¹

2021



January



- Outside of emerging markets and the broad US investment grade bond market (Barclays Aggregate), most asset classes increased in 2021.
- In comparison, 2022 is off to a weak start with all major asset classes declining given expectations for policy tightening.

¹ Data Source: Bloomberg and FactSet. Data is as of January 31, 2022.

Domestic Equity Returns¹

Domestic Equity	January (%)	1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)
S&P 500	-5.2	23.3	20.7	16.8	15.4
Russell 3000	-5.9	18.8	19.9	16.1	15.0
Russell 1000	-5.6	20.3	20.5	16.6	15.3
Russell 1000 Growth	-8.6	17.5	26.4	22.3	18.0
Russell 1000 Value	-2.3	23.4	13.8	10.5	12.3
Russell MidCap	-7.4	13.9	16.1	12.8	13.4
Russell MidCap Growth	-12.9	-1.5	17.4	15.8	14.2
Russell MidCap Value	-4.3	23.1	14.1	9.9	12.4
Russell 2000	-9.6	-1.2	12.0	9.7	11.3
Russell 2000 Growth	-13.4	-15.0	11.4	10.9	11.7
Russell 2000 Value	-5.8	14.8	11.7	7.9	10.6

US Equities: Russell 3000 Index -5.9%, and value indices outperformed growth in January.

- All US stock indices posted negative returns in January 2022 as the prospect of a faster tightening of monetary policy was priced in.
- As the economic impact of the virus continued to recede and rates rose, value stocks continued to outpace growth stocks partly driven by strong double-digit results in the energy sector given rising prices and weak results in technology (large cap space) and health care (small cap space).
- Large company stocks (Russell 1000) declined less than small company stocks (Russell 2000).

¹ Source: Bloomberg. Data is as of January 31, 2022.

Foreign Equity Returns¹

Foreign Equity	January (%)	1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)
MSCI ACWI	-4.9	13.2	15.4	12.6	10.7
MSCI ACWI Ex US	-3.7	3.6	9.1	8.0	6.2
MSCI EAFE	-4.8	7.0	9.3	7.9	6.9
MSCI EAFE (Local Currency)	-3.6	14.8	10.0	7.5	9.3
MSCI EAFE Small Cap	-7.3	2.4	9.9	8.6	9.1
MSCI Emerging Markets	-1.9	-7.2	7.2	8.3	4.2
MSCI Emerging Markets (Local Currency)	-1.8	-5.6	8.8	9.3	7.1

International Developed Market Equities: MSCI EAFE -4.8% and MSCI ACWI ex US -3.7%.

- Non-US stocks also posted negative returns in January given the outlook for global interest rates but declined less than US equities.
- Developed markets trailed emerging markets with tensions between Russia and the Ukraine and higher inflation weighing on Europe. The dynamic of value outpacing growth also persisted in Europe and Japan.
- A strong US dollar weighed on developed foreign markets for US investors.

Emerging Markets: MSCI EM -1.9% in January.

- Emerging markets declined the least during the month of January partly due to some oil exporters benefiting from higher energy prices.
- Currency dynamics had less of an impact on results compared to developed markets.

¹ Source: Bloomberg. Data is as of January 31, 2022.

Fixed Income Returns¹

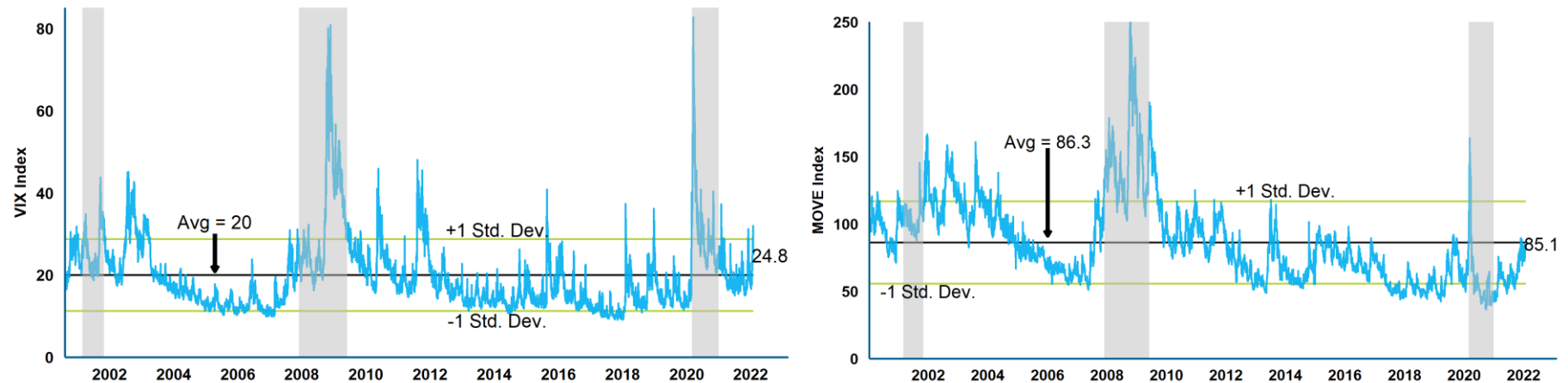
Fixed Income	January (%)	1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)	Current Yield (%)	Duration (Years)
Bloomberg Universal	-2.2	-2.7	3.9	3.3	3.0	2.5	6.5
Bloomberg Aggregate	-2.2	-3.0	3.7	3.1	2.6	2.1	6.7
Bloomberg US TIPS	-2.0	3.5	7.2	4.7	2.7	1.7	7.6
Bloomberg High Yield	-2.7	2.1	6.3	5.4	6.2	5.3	4.5
JPM GBI-EM Global Diversified	0.0	-7.8	0.3	2.4	0.0	5.7	5.2

Fixed Income: Barclays Universal -2.2% in January.

- Given expectations for a faster than previously expected pace of rate increases and balance sheet reduction by the Federal Reserve to combat persistent inflation, the broad US bond market (Barclays Aggregate) declined in January. The nominal 10-year Treasury yield rose to nearly 2%.
- Yields for TIPS rose given expectations for tighter policy from the Federal Reserve.
- Credit spreads widened but continued to trade at historically tight levels given relatively strong corporate health and high investor demand in the low-rate environment.
- Outside of the US, global sovereign debt yields across developed and emerging economies also generally rose on inflation concerns and expectations for higher policy rates.

¹ Source: Bloomberg. JPM GBI-EM is from InvestorForce, data is as of January 31, 2022.

Equity and Fixed Income Volatility¹



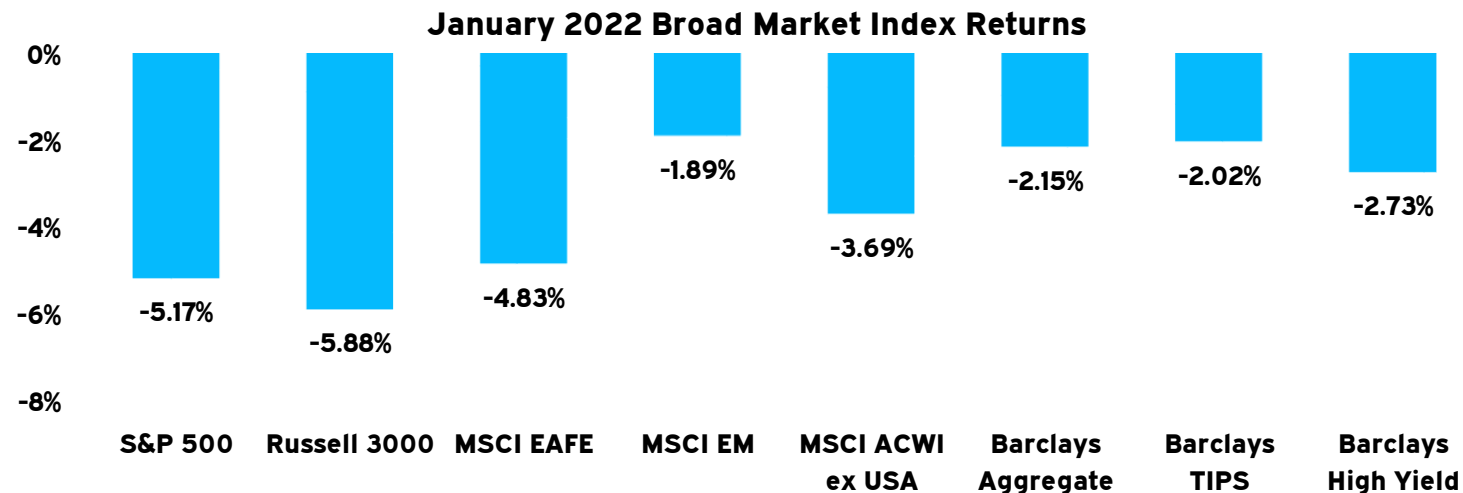
- Volatility in equity (VIX) and fixed income (MOVE) increased at the start of the year, driven largely by expectations that the Federal Reserve would tighten monetary policy faster than previously expected.

¹ Equity and Fixed Income Volatility – Source: Bloomberg. Implied volatility as measured using VIX Index for equity markets and the MOVE Index to measure interest rate volatility for fixed income markets. Data is as of January 31, 2022. The average line indicated is the average of the VIX and MOVE values between January 2000 and the present month-end respectively.

Performance Highlights

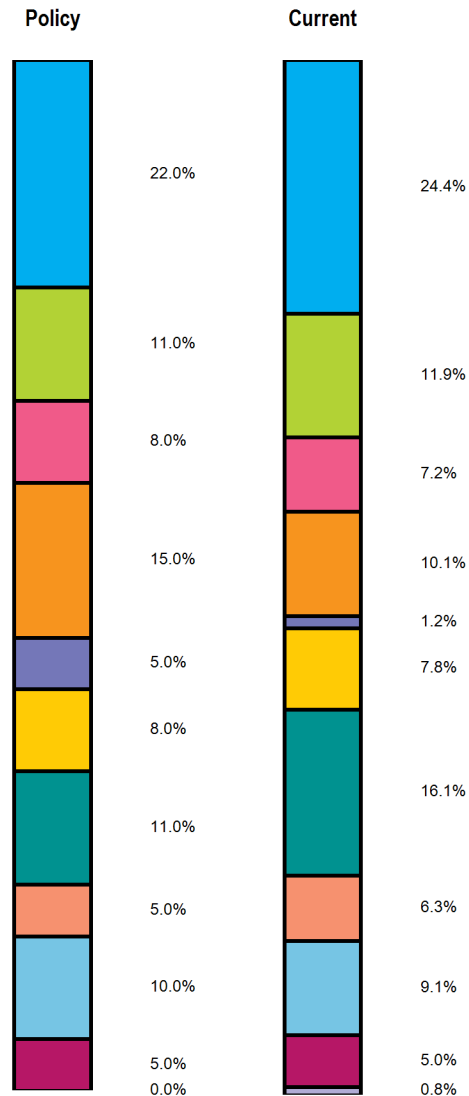
As of January 31, 2022

Market Review and Performance Summary for January 2022



- Markets saw sharp negative returns across all major asset classes. Expectations of tightening monetary policy and persistent inflation weighed on US Equities, which posted the worst return across equities. Inflation fears and Geopolitical tension between Russia and Ukraine weighed on international equities. Inflation concerns as well as expectations for faster rate increases weighed on Fixed Income.
- Merced CERA reported a monthly return of -3.2% net of fees. EM Equity was the largest detractor in performance, posting -10.4% return, while US Equity and Developed International Equity also posted large negative returns, -6.3% and -5.6% respectively. Fixed Income saw large pullbacks in January as well, US Fixed Income returning -2.1% while Opportunistic Credit returned -0.8%.
- As of January 31, 2022, total assets for the Merced CERA Portfolio are estimated at \$1.17 billion.

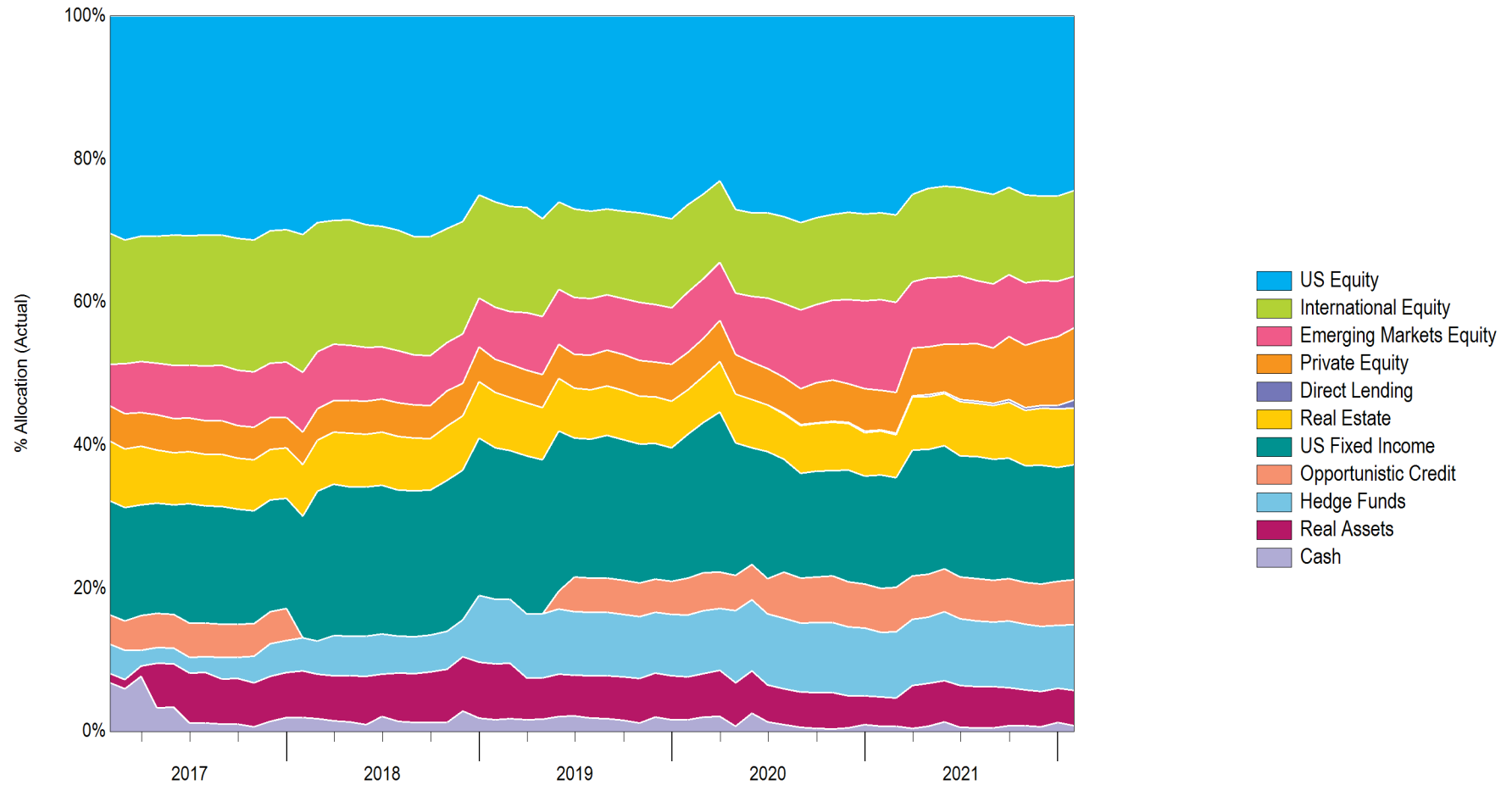
Performance Update
As of January 31, 2022



Allocation vs. Targets and Policy							
	Current Balance	Current Allocation	Policy	Difference	Policy Range	Within IPS Range?	
US Equity	\$285,201,199	24.4%	22.0%	2.4%	16.0% - 27.0%	Yes	
International Equity	\$139,363,029	11.9%	11.0%	0.9%	6.0% - 16.0%	Yes	
Emerging Markets Equity	\$83,968,902	7.2%	8.0%	-0.8%	4.0% - 12.0%	Yes	
Private Equity	\$117,977,474	10.1%	15.0%	-4.9%	5.0% - 20.0%	Yes	
Direct Lending	\$13,689,336	1.2%	5.0%	-3.8%	0.0% - 10.0%	Yes	
Real Estate	\$91,584,839	7.8%	8.0%	-0.2%	6.0% - 10.0%	Yes	
US Fixed Income	\$187,469,990	16.1%	11.0%	5.1%	6.0% - 16.0%	No	
Opportunistic Credit	\$74,032,484	6.3%	5.0%	1.3%	3.0% - 7.0%	Yes	
Hedge Funds	\$106,480,859	9.1%	10.0%	-0.9%	5.0% - 15.0%	Yes	
Real Assets	\$57,913,243	5.0%	5.0%	0.0%	3.0% - 7.0%	Yes	
Cash	\$9,510,444	0.8%	0.0%	0.8%	0.0% - 5.0%	Yes	
Total	\$1,167,191,798	100.0%	100.0%				

Cash range displayed for illustrative purposes only.

Asset Allocation History 5 Years Ending January 31, 2022



Asset Class Performance Summary										
	Market Value (\$)	% of Portfolio	1 Mo (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Total Fund (Net)*	1,167,191,798	100.0	-3.2	1.0	10.5	12.9	10.6	9.1	8.4	Dec-94
Total Fund (Gross)*			-3.1	1.3	10.9	13.3	10.9	9.5	8.6	
Total Fund w/o Alternatives (Net)	770,035,604	66.0	-4.6	-2.7	5.3	13.6	11.0	9.3	--	Dec-94
Total Fund w/o Alternatives (Gross)			-4.6	-2.4	5.7	14.0	11.3	9.7	--	
<i>Policy Index w/o AI</i>			<i>-4.1</i>	<i>-2.2</i>	<i>5.4</i>	<i>11.2</i>	<i>9.6</i>	<i>--</i>	<i>--</i>	<i>Dec-94</i>
US Equity (Net)	285,201,199	24.4	-6.3	3.7	20.1	19.8	16.0	15.2	10.8	Dec-94
US Equity (Gross)			-6.3	3.8	20.4	20.0	16.3	15.5	10.9	
<i>Russell 3000</i>			<i>-5.9</i>	<i>2.7</i>	<i>18.8</i>	<i>19.6</i>	<i>15.7</i>	<i>14.8</i>	<i>10.8</i>	<i>Dec-94</i>
International Equity (Net)	223,331,931	19.1	-5.6	-11.1	-4.0	15.2	11.8	8.1	6.3	Dec-98
International Equity (Gross)			-5.6	-10.7	-3.2	15.9	12.4	8.8	6.6	
<i>International Equity Custom</i>			<i>-3.5</i>	<i>-6.2</i>	<i>1.0</i>	<i>9.0</i>	<i>8.4</i>	<i>7.0</i>	<i>4.8</i>	<i>Dec-98</i>
Developed International Equity (Net)	139,363,029	11.9	-2.5	-2.0	8.7	12.4	9.8	7.5	4.7	Jan-08
Developed International Equity (Gross)			-2.5	-1.6	9.4	13.0	10.2	8.1	5.2	
<i>Custom Blended Developed International Equity BM</i>			<i>-5.1</i>	<i>-3.3</i>	<i>6.8</i>	<i>9.8</i>	<i>8.1</i>	<i>7.1</i>	<i>3.5</i>	<i>Jan-08</i>
Emerging Markets Equity (Net)	83,968,902	7.2	-10.4	-23.0	-19.5	17.3	14.2	--	7.2	Apr-12
Emerging Markets Equity (Gross)			-10.3	-22.5	-18.7	18.3	15.2	--	8.2	
<i>Custom Blended Emerging Markets Benchmark</i>			<i>-1.9</i>	<i>-11.0</i>	<i>-7.2</i>	<i>7.3</i>	<i>8.5</i>	<i>4.5</i>	<i>4.4</i>	<i>Apr-12</i>
US Fixed Income (Net)	187,469,990	16.1	-2.1	-2.3	-3.1	3.2	2.8	3.0	5.0	Dec-94
US Fixed Income (Gross)			-2.1	-2.2	-3.0	3.3	3.0	3.2	5.2	
<i>BBgBarc US Aggregate TR</i>			<i>-2.2</i>	<i>-2.1</i>	<i>-3.0</i>	<i>3.4</i>	<i>3.1</i>	<i>2.8</i>	<i>5.3</i>	<i>Dec-94</i>
Opportunistic Credit (Net)	74,032,484	6.3	-0.8	1.5	5.8	--	--	--	6.3	May-19
Opportunistic Credit (Gross)			-0.8	1.8	6.3	--	--	--	6.7	
<i>50% Barclays US Aggregate / 25% Barclays US High Yield / 25% Credit Suisse Leveraged Loans</i>			<i>-1.7</i>	<i>-0.8</i>	<i>0.1</i>	<i>--</i>	<i>--</i>	<i>--</i>	<i>4.1</i>	<i>May-19</i>

The current US Fixed Income benchmark is the Barclays US Agg. Please refer to the benchmark history for the composition of the US Fixed Income benchmark in earlier periods.
Data prior to March 2018 provided by prior consultant.

	Market Value (\$)	% of Portfolio	1 Mo (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Real Estate (Net)	91,584,839	7.8	-2.4	9.1	15.9	4.6	6.2	7.4	--	Mar-99
Real Estate (Gross)			-2.4	9.2	16.0	4.6	6.2	8.0	8.2	
<i>Custom Blended Real Estate Benchmark</i>			0.0	15.1	21.2	8.6	8.0	9.6	7.6	Mar-99
<i>CPI + 5% (Seasonally Adjusted)</i>			1.1	7.1	12.9	8.9	8.1	7.3	--	Mar-99
Private Real Estate (Net)	65,816,606	5.6	0.0	10.3	13.0	3.6	5.5	7.1	--	Mar-99
Private Real Estate (Gross)			0.0	10.4	13.2	3.6	5.6	7.7	8.1	
<i>Custom Blended Real Estate Benchmark</i>			0.0	15.1	21.2	8.6	8.0	9.6	7.6	Mar-99
Private Equity (Net)	117,977,474	10.1	0.0	20.6	53.9	22.9	20.2	12.3	10.6	Jun-05
Private Equity (Gross)			0.0	20.6	53.9	23.0	20.2	12.4	10.8	
Direct Lending (Net)	13,689,336	1.2	0.0	-0.5	12.5	--	--	--	13.0	Jul-20
Direct Lending (Gross)			0.0	-0.5	12.5	--	--	--	13.0	
<i>S&P LSTA Leverage Loan Index + 2%</i>			0.5	3.4	6.3	7.0	6.3	6.6	10.7	Jul-20
Hedge Fund (Net)	106,480,859	9.1	0.7	1.2	10.0	6.9	6.3	--	4.8	Jun-14
Hedge Fund (Gross)			0.8	1.7	11.1	7.7	6.9	--	5.1	
<i>Custom Blended Hedge Fund Benchmark</i>			-2.0	-1.0	4.6	6.8	5.0	--	4.1	Jun-14
Real Assets (Net)	57,913,243	5.0	0.9	7.5	18.2	10.6	9.2	8.9	--	Mar-99
Real Assets (Gross)			0.9	7.7	18.5	10.8	9.3	9.5	--	
Private Infrastructure (Net)	20,493,945	1.8	0.0	2.9	15.3	13.6	14.3	--	9.6	Dec-14
Private Infrastructure (Gross)			0.0	3.3	15.9	13.8	14.4	--	9.7	
Private Natural Resources (Net)	10,657,562	0.9	0.0	12.8	21.5	6.7	8.2	--	12.6	Sep-15
Private Natural Resources (Gross)			0.0	12.8	21.5	6.7	8.2	--	12.6	
Cash (Net)	9,510,444	0.8	0.0	0.0	0.0	0.6	--	--	--	
Cash (Gross)			0.0	0.0	0.0	0.6	--	--	--	

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

Private Markets values are cash flow adjusted from 9/30/2021 NAVs unless otherwise noted.

Real Assets includes State Street Real Asset NL Fund.

Trailing Net Performance												
	Market Value (\$)	% of Portfolio	% of Sector	1 Mo (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date	
Total Fund(Net)*	1,167,191,798	100.0	--	-3.2	1.0	10.5	12.9	10.6	9.1	8.4	Dec-94	
Total Fund w/o Alternatives(Net)	770,035,604	66.0	66.0	-4.6	-2.7	5.3	13.6	11.0	9.3	--	Dec-94	
Policy Index w/o AI				-4.1	-2.2	5.4	11.2	9.6	--	--	Dec-94	
US Equity(Net)	285,201,199	24.4	37.0	-6.3	3.7	20.1	19.8	16.0	15.2	10.8	Dec-94	
Russell 3000				-5.9	2.7	18.8	19.6	15.7	14.8	10.8	Dec-94	
Mellon Dynamic US Equity(Net)	133,702,543	11.5	46.9	-6.2	6.1	25.2	22.9	19.1	--	18.5	Dec-12	
S&P 500				-5.2	5.9	23.3	20.7	16.8	15.4	15.8	Dec-12	
Mellon Large Cap(Net)	121,788,942	10.4	42.7	-5.6	3.8	20.6	20.6	16.6	--	16.5	Mar-16	
Russell 1000				-5.6	3.8	20.3	20.5	16.6	15.3	16.5	Mar-16	
Champlain Small Cap(Net)	29,709,714	2.5	10.4	-9.2	-6.7	0.1	--	--	--	21.4	Nov-20	
Russell 2000				-9.6	-11.7	-1.2	12.0	9.7	11.3	26.0	Nov-20	
International Equity(Net)	223,331,931	19.1	29.0	-5.6	-11.1	-4.0	15.2	11.8	8.1	6.3	Dec-98	
International Equity Custom				-3.5	-6.2	1.0	9.0	8.4	7.0	4.8	Dec-98	
Developed International Equity(Net)	139,363,029	11.9	62.4	-2.5	-2.0	8.7	12.4	9.8	7.5	4.7	Jan-08	
Custom Blended Developed International Equity BM				-5.1	-3.3	6.8	9.8	8.1	7.1	3.5	Jan-08	
GQG International Equity(Net)	58,642,695	5.0	42.1	-0.8	1.0	12.8	--	--	--	13.0	Dec-19	
MSCI ACWI ex USA				-3.7	-4.9	3.6	9.1	8.0	6.2	8.7	Dec-19	
First Eagle International Value Fund(Net)	50,151,827	4.3	36.0	-1.4	-1.7	4.5	--	--	--	5.1	Dec-19	
MSCI EAFE				-4.8	-2.7	7.0	9.3	7.8	6.9	7.9	Dec-19	
MSCI World ex USA				-4.4	-2.1	8.8	9.8	8.0	6.8	8.6	Dec-19	

Historical returns for the US Equity Composite prior to January 2012 and for the International Equity Composite prior to December 2010 are gross only.
Developed International Equity and Emerging Markets Equity composites were only reported as one composite prior to March 2018.

	Market Value (\$)	% of Portfolio	% of Sector	1 Mo (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Driehaus International Small Cap Growth(Net)	15,802,189	1.4	11.3	-8.3	-8.6	3.7	--	--	--	16.7	May-19
MSCI ACWI ex US Small Cap Growth NR USD				-9.6	-8.6	0.6	12.9	10.4	8.3	11.7	May-19
Acadian ACWI ex U.S. Small Cap Equity(Net)	14,766,318	1.3	10.6	-6.3	-6.4	13.0	--	--	--	14.5	May-19
MSCI ACWI ex US Small Cap				-6.2	-5.7	6.1	11.1	9.0	7.8	10.4	May-19
Emerging Markets Equity(Net)	83,968,902	7.2	37.6	-10.4	-23.0	-19.5	17.3	14.2	--	7.2	Apr-12
Custom Blended Emerging Markets Benchmark				-1.9	-11.0	-7.2	7.3	8.5	4.5	4.4	Apr-12
Artisan Developing World TR(Net)	57,131,485	4.9	68.0	-13.1	-26.6	-23.6	--	--	--	17.7	Dec-19
MSCI Emerging Markets				-1.9	-11.0	-7.2	7.2	8.3	4.2	9.4	Dec-19
RWC(Net)	26,837,417	2.3	32.0	-3.9	-13.9	-8.0	--	--	--	10.5	Dec-19
MSCI Emerging Markets				-1.9	-11.0	-7.2	7.2	8.3	4.2	9.4	Dec-19
US Fixed Income(Net)	187,469,990	16.1	24.3	-2.1	-2.3	-3.1	3.2	2.8	3.0	5.0	Dec-94
BBgBarc US Aggregate TR				-2.2	-2.1	-3.0	3.4	3.1	2.8	5.3	Dec-94
Vanguard Total Bond Market Index Fund(Net)	89,380,961	7.7	47.7	-2.2	-2.1	-3.0	--	--	--	3.3	May-19
Bloomberg US Aggregate TR				-2.2	-2.1	-3.0	3.7	3.1	2.6	3.3	May-19
Barrow Hanley(Net)	87,626,818	7.5	46.7	-2.3	-2.5	-3.5	4.0	3.3	2.7	3.4	Mar-10
Bloomberg US Aggregate TR				-2.2	-2.1	-3.0	3.7	3.1	2.6	3.3	Mar-10
Vanguard Short-Term Treasury Index Fund(Net)	10,462,211	0.9	5.6	-0.7	-1.2	-1.4	1.7	--	--	1.8	Feb-18
Bloomberg US Govt 1-3 Yr TR				-0.7	-1.2	-1.3	1.7	1.4	1.0	1.9	Feb-18
Bloomberg US Govt 1-5 Yr TR				-0.9	-1.7	-2.1	2.0	1.7	1.2	2.2	Feb-18

The current US Fixed Income benchmark is the Barclays US Agg. Please refer to the benchmark history for the composition of the US Fixed Income benchmark in earlier periods.
Historical returns for the US Fixed Income Composite prior to December 2010 and for Barrow Hanley prior to June 2010 are gross only.

	Market Value (\$)	% of Portfolio	% of Sector	1 Mo (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Opportunistic Credit(Net)	74,032,484	6.3	9.6	-0.8	1.5	5.8	--	--	--	6.3	May-19
50% Barclays US Aggregate / 25% Barclays US High Yield / 25% Credit Suisse Leveraged Loans				-1.7	-0.8	0.1	--	--	--	4.1	May-19
PIMCO Income Fund(Net)	30,878,599	2.6	41.7	-1.0	-0.3	1.2	--	--	--	4.1	Apr-19
Bloomberg US Aggregate TR				-2.2	-2.1	-3.0	3.7	3.1	2.6	3.3	Apr-19
GoldenTree Multi-Sector Credit(Net)	23,952,796	2.1	32.4	-1.1	1.0	4.6	--	--	--	6.1	Jun-19
50% BBg US High Yield TR/50% Credit Suisse Leveraged Loans				-1.2	0.5	3.3	5.5	4.9	5.5	5.1	Jun-19
Sculptor Credit Opportunities Domestic Partners, LP(Net)	19,201,089	1.6	25.9	-0.1	4.8	14.4	--	--	--	16.9	Jul-20
50% BBg US High Yield TR/50% Credit Suisse Leveraged Loans				-1.2	0.5	3.3	5.5	4.9	5.5	8.7	Jul-20
Real Estate(Net)	91,584,839	7.8	7.8	-2.4	9.1	15.9	4.6	6.2	7.4	--	Mar-99
Custom Blended Real Estate Benchmark				0.0	15.1	21.2	8.6	8.0	9.6	7.6	Mar-99
CPI + 5% (Seasonally Adjusted)				1.1	7.1	12.9	8.9	8.1	7.3	--	Mar-99
Vanguard REIT Index(Net)	25,768,233	2.2	28.1	-8.1	6.3	28.9	--	--	--	25.0	Aug-20
Spliced Vanguard REIT Benchmark				-8.2	6.3	29.0	12.5	9.5	10.0	25.1	Aug-20
Private Real Estate(Net)	65,816,606	5.6	71.9	0.0	10.3	13.0	3.6	5.5	7.1	--	Mar-99
Custom Blended Real Estate Benchmark				0.0	15.1	21.2	8.6	8.0	9.6	7.6	Mar-99
UBS Trumbull Property(Net)	29,094,690	2.5	44.2	0.0	9.5	8.8	0.9	2.8	5.9	6.5	Mar-99
Patron Capital V(Net)	9,799,789	0.8	14.9	0.0	16.6	19.6	1.7	13.9	--	9.1	Jan-16

GoldenTree Multi-Sector Credit market value based on manager estimate.

Sculptor Credit Opportunities Domestic Partners market value based on manager estimate.

Private Markets values are cash flow adjusted from 9/30/2021 NAVs.

Data prior to March 2018 provided by prior consultant.

Private Real Estate results prior to 1/1/2019 were included in the Real Assets composite. All results for the Private Real Estate composite that include the period 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.

	Market Value (\$)	% of Portfolio	% of Sector	1 Mo (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Cerberus Real Estate Debt Fund, L.P.(Net)	4,572,171	0.4	6.9	0.0	-0.4	6.4	--	--	--	14.7	Jul-20
Taconic CRE Dislocation Onshore Fund III(Net)	4,117,521	0.4	6.3								
Taconic CRE Dislocation Fund II(Net)	3,692,716	0.3	5.6	0.0	-4.2	-0.4	5.7	--	--	5.0	Nov-18
Greenfield Gap VII(Net)	3,609,545	0.3	5.5	0.0	14.9	32.7	15.6	14.6	--	14.5	Dec-14
AG Realty Value Fund X, L.P.(Net)	3,601,349	0.3	5.5	0.0	8.9	18.8	--	--	--	1.4	Jun-19
Rockpoint Real Estate Fund VI, L.P.(Net)	3,257,692	0.3	4.9	0.0	21.4	34.0	--	--	--	14.2	May-20
Carlyle Realty VIII(Net)	1,850,501	0.2	2.8	0.0	67.7	80.8	30.6	--	--	3.6	Dec-17
Carmel Partners Investment Fund VII(Net)	1,237,302	0.1	1.9	0.0	-2.6	-12.3	--	--	--	-32.7	Apr-19
Starwood Distressed Opportunity Fund XII Global(Net)	996,342	0.1	1.5								
Carlyle Realty Partners IX(Net)	-13,012	0.0	0.0								
Private Equity(Net)	117,977,474	10.1	10.1	0.0	20.6	53.9	22.9	20.2	12.3	10.6	Jun-05
TCV X(Net)	9,743,129	0.8	8.3	0.0	48.8	118.8	--	--	--	42.2	Apr-19
Cortec Group Fund VII(Net)	8,763,549	0.8	7.4	0.0	26.7	59.7	--	--	--	32.8	Dec-19
Ocean Avenue II(Net)	8,647,151	0.7	7.3	0.0	23.8	123.7	40.1	37.7	--	23.0	Jun-14
Genstar Capital Partners IX(Net)	8,461,390	0.7	7.2	0.0	22.5	44.6	--	--	--	26.7	Jul-19
Spark Capital Growth Fund III(Net)	8,149,730	0.7	6.9	0.0	38.6	72.6	--	--	--	26.3	Mar-20
Adams Street(Net)	6,559,193	0.6	5.6	0.0	17.8	57.1	26.3	21.2	16.2	10.3	Sep-05
Thoma Bravo Discover Fund III(Net)	6,484,638	0.6	5.5	0.0	-2.2	--	--	--	--	2.2	Jun-21
Summit Partners Growth Equity Fund X-A(Net)	6,347,947	0.5	5.4	0.0	18.0	1.7	--	--	--	5.5	Mar-20

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

	Market Value (\$)	% of Portfolio	% of Sector	1 Mo (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Taconic Market Dislocation Fund III L.P.(Net)	5,581,961	0.5	4.7	0.0	17.1	45.8	--	--	--	26.9	Jul-20
GTCR Fund XII(Net)	5,390,947	0.5	4.6	0.0	35.7	55.0	43.4	--	--	20.7	Jun-18
Davidson Kempner Long-Term Distressed Opportunities Fund IV(Net)	5,314,117	0.5	4.5	0.0	11.1	17.6	8.2	--	--	10.6	Apr-18
Cressey & Company Fund VI(Net)	4,831,732	0.4	4.1	0.0	45.1	68.9	31.1	--	--	25.2	Jan-19
Accel-KKR Growth Capital Partners III(Net)	4,754,190	0.4	4.0	0.0	43.5	65.7	--	--	--	15.3	Jul-19
Carrick Capital Partners III(Net)	4,465,673	0.4	3.8	0.0	8.7	27.7	16.3	--	--	9.9	Aug-18
Pantheon II(Net)	4,097,306	0.4	3.5	0.0	12.8	49.9	25.1	21.9	15.9	15.8	Dec-11
Marlin Heritage Europe II, L.P.(Net)	3,879,708	0.3	3.3	0.0	-16.7	-18.4	--	--	--	-14.1	Oct-20
TCV XI(Net)	3,039,273	0.3	2.6	0.0	-0.9	-6.0	--	--	--	-6.0	Feb-21
Spark Capital VI(Net)	2,066,938	0.2	1.8	0.0	0.7	-2.7	--	--	--	-7.9	Mar-20
Khosla Ventures VII(Net)	2,017,712	0.2	1.7	0.0	2.7	-2.2	--	--	--	-2.1	Jan-21
Invesco VI(Net)	1,769,282	0.2	1.5	0.0	93.3	252.8	69.2	44.4	--	29.6	Jun-13
Summit Partners Venture Capital Fund V-A(Net)	1,738,098	0.1	1.5								
Accel-KKR Capital Partners VI(Net)	1,150,213	0.1	1.0								
GTCR Fund XIII/A & B(Net)	895,664	0.1	0.8								
Genstar Capital Partners X(Net)	890,892	0.1	0.8								
Spark Capital Growth Fund IV(Net)	780,000	0.1	0.7								
Nautic Partners X(Net)	779,449	0.1	0.7								

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.

	Market Value (\$)	% of Portfolio	% of Sector	1 Mo (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Khosla Ventures Seed E(Net)	599,432	0.1	0.5								
Raven Asset Fund II(Net)	417,963	0.0	0.4	0.0	84.6	86.4	14.0	12.5	--	4.6	Aug-14
Pantheon Secondary(Net)	217,484	0.0	0.2	0.0	-18.4	-22.4	-9.3	-2.5	-2.0	0.9	Jun-07
Pantheon I(Net)	142,714	0.0	0.1	0.0	-12.1	-0.7	-13.1	-5.5	-0.8	0.2	Dec-05
Direct Lending(Net)	13,689,336	1.2	1.2	0.0	-0.5	12.5	--	--	--	13.0	Jul-20
<i>S&P LSTA Leverage Loan Index + 2%</i>				0.5	3.4	6.3	7.0	6.3	6.6	10.7	Jul-20
Silver Point Specialty Credit Fund II, L.P.(Net)	5,523,972	0.5	40.4	0.0	-0.5	12.5	--	--	--	13.0	Jul-20
Ares Senior Direct Lending Fund II(Net)	4,165,364	0.4	30.4								
Varagon Capital Direct Lending Fund(Net)	4,000,000	0.3	29.2								
Hedge Fund(Net)	106,480,859	9.1	9.1	0.7	1.2	10.0	6.9	6.3	--	4.8	Jun-14
<i>Custom Blended Hedge Fund Benchmark</i>				-2.0	-1.0	4.6	6.8	5.0	--	4.1	Jun-14
Silver Point Capital(Net)	17,349,269	1.5	16.3	0.0	4.6	19.5	13.3	--	--	9.4	Nov-17
Laurion Capital(Net)	14,577,124	1.2	13.7	4.2	-5.3	24.4	19.5	--	--	17.3	Aug-18
Wellington-Archipelago(Net)	14,443,472	1.2	13.6	-0.6	3.4	11.3	7.5	--	--	5.9	Aug-17
Taconic Opportunity Fund(Net)	14,070,125	1.2	13.2	0.2	1.9	7.2	5.2	--	--	5.2	Dec-18
Sculptor (OZ) Domestic II(Net)	13,371,240	1.1	12.6	-2.8	-4.1	1.7	10.0	8.3	--	6.9	Jun-14
Caxton Global Investments(Net)	10,441,020	0.9	9.8	4.0	7.9	--	--	--	--	4.4	May-21
Marshall Wace Global Opportunities(Net)	9,709,482	0.8	9.1	0.0	1.1	0.5	--	--	--	4.4	May-20
Graham Absolute Return(Net)	8,290,410	0.7	7.8	3.4	1.7	6.7	3.1	--	--	2.8	Aug-17
Marshall Wace Eureka(Net)	4,192,780	0.4	3.9	-1.5	3.0	8.5	8.9	--	--	6.8	Nov-17
KLS Diversified(Net)	35,936	0.0	0.0	0.0	-3.7	-3.7	-3.6	--	--	-1.8	Oct-17

	Market Value (\$)	% of Portfolio	% of Sector	1 Mo (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Real Assets(Net)	57,913,243	5.0	5.0	0.9	7.5	18.2	10.6	9.2	8.9	--	Mar-99
SSgA(Net)	26,761,736	2.3	46.2	2.0	8.7	21.4	10.2	--	--	7.6	Apr-17
Real Asset NL Custom Blended Index				1.6	9.4	24.0	10.9	--	--	8.1	Apr-17
Private Infrastructure(Net)	20,493,945	1.8	35.4	0.0	2.9	15.3	13.6	14.3	--	9.6	Dec-14
KKR Global II(Net)	5,709,228	0.5	27.9	0.0	6.0	41.6	28.9	23.5	--	17.9	Dec-14
North Haven Infrastructure II(Net)	5,036,030	0.4	24.6	0.0	8.1	7.7	7.8	11.0	--	7.0	May-15
ISQ Global Infrastructure Fund II(Net)	4,525,927	0.4	22.1	0.0	8.4	19.0	13.5	--	--	1.4	Jul-18
KKR Global Infrastructure Investors III(Net)	3,620,001	0.3	17.7	0.0	-17.2	-15.5	-6.1	--	--	-9.4	Jan-19
Ardian Infrastructure Fund V(Net)	1,331,052	0.1	6.5	0.0	9.0	1.6	--	--	--	-20.0	Oct-19
ISQ Global Infrastructure Fund III(Net)	304,576	0.0	1.5								
KKR Global Infrastructure Investors IV(Net)	-32,869	0.0	-0.2								
Private Natural Resources(Net)	10,657,562	0.9	18.4	0.0	12.8	21.5	6.7	8.2	--	12.6	Sep-15
Tailwater Energy Fund IV, LP(Net)	3,231,479	0.3	30.3	0.0	15.6	24.9	--	--	--	-8.2	Oct-19
EnCap XI(Net)	2,880,918	0.2	27.0	0.0	25.3	35.1	-7.1	--	--	-18.8	Jul-17
BlackRock Global Energy and Power Infrastructure Fund III LP(Net)	2,384,550	0.2	22.4	0.0	1.4	4.0	--	--	--	15.4	Jul-19
GSO Energy Opportunities(Net)	1,640,446	0.1	15.4	0.0	13.0	40.9	6.9	7.6	--	12.3	Nov-15
Taurus Mining(Net)	280,872	0.0	2.6	0.0	12.7	5.5	1.1	4.9	--	10.2	Sep-15
EnCap IV(Net)	215,986	0.0	2.0	0.0	29.4	36.1	17.0	--	--	7.7	Feb-18
Taurus Mining Annex(Net)	23,311	0.0	0.2	0.0	84.1	81.6	35.6	35.1	--	35.1	Jan-17

	Market Value (\$)	% of Portfolio	% of Sector	1 Mo (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Cash(Net)	9,510,444	0.8	0.8	0.0	0.0	0.0	0.6	--	--	--	
Cash(Net)	8,327,827	0.7	87.6	0.0	0.0	0.0	0.9	1.0	0.8	--	Sep-03
Treasury Cash(Net)	1,182,616	0.1	12.4								

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

Annual Investment Expense Analysis As Of January 31, 2022				
Name	Fee Schedule	Market Value	Estimated Fee Value	Estimated Fee
Total Fund w/o Alternatives		\$770,035,604		
US Equity		\$285,201,199		
Mellon Dynamic US Equity	0.30% of Assets	\$133,702,543	\$401,108	0.30%
Mellon Large Cap	0.04% of First 100.0 Mil, 0.02% Thereafter	\$121,788,942	\$44,358	0.04%
Champlain Small Cap	1.00% of Assets	\$29,709,714	\$297,097	1.00%
International Equity		\$223,331,931		
Developed International Equity		\$139,363,029		
Acadian ACWI ex U.S. Small Cap Equity	0.99% of Assets	\$14,766,318	\$146,187	0.99%
Driehaus International Small Cap Growth	0.90% of Assets	\$15,802,189	\$142,220	0.90%
GQG International Equity	0.50% of Assets	\$58,642,695	\$293,213	0.50%
First Eagle International Value Fund	0.79% of Assets	\$50,151,827	\$396,199	0.79%
Emerging Markets Equity		\$83,968,902		
Artisan Developing World TR	1.05% of Assets	\$57,131,485	\$599,881	1.05%
RWC	0.87% of Assets	\$26,837,417	\$233,486	0.87%
US Fixed Income		\$187,469,990		
Barrow Hanley	0.30% of First 50.0 Mil, 0.20% of Next 100.0 Mil, 0.15% Thereafter	\$87,626,818	\$225,254	0.26%
Vanguard Short-Term Treasury Index Fund	0.05% of Assets	\$10,462,211	\$5,231	0.05%
Vanguard Total Bond Market Index Fund	0.04% of Assets	\$89,380,961	\$31,283	0.04%
Opportunistic Credit		\$74,032,484		
PIMCO Income Fund	0.50% of Assets	\$30,878,599	\$154,393	0.50%
GoldenTree Multi-Sector Credit	0.70% of Assets	\$23,952,796	\$167,670	0.70%
Sculptor Credit Opportunities Domestic Partners, LP	Performance-based 1.00 and 20.00	\$19,201,089	\$192,011	1.00%

Name	Fee Schedule	Market Value	Estimated Fee Value	Estimated Fee
Real Estate		\$91,584,839		
Vanguard REIT Index	0.10% of Assets	\$25,768,233	\$25,768	0.10%
Private Real Estate		\$65,816,606		
Greenfield Gap VII		\$3,609,545		
Patron Capital V		\$9,799,789		
UBS Trumbull Property		\$29,094,690		
Carlyle Realty VIII		\$1,850,501		
Taconic CRE Dislocation Fund II		\$3,692,716		
Carmel Partners Investment Fund VII		\$1,237,302		
AG Realty Value Fund X, L.P.		\$3,601,349		
Rockpoint Real Estate Fund VI, L.P.		\$3,257,692		
Cerberus Real Estate Debt Fund, L.P.		\$4,572,171		
Taconic CRE Dislocation Onshore Fund III		\$4,117,521		
Starwood Distressed Opportunity Fund XII Global		\$996,342		
Carlyle Realty Partners IX		-\$13,012		
Invesco VI		\$1,769,282		
Ocean Avenue II		\$8,647,151		
Pantheon I		\$142,714		
Pantheon II		\$4,097,306		
Pantheon Secondary		\$217,484		
Raven Asset Fund II		\$417,963		
Davidson Kempner Long-Term Distressed Opportunities Fund IV		\$5,314,117		
GTCR Fund XII		\$5,390,947		
Carrick Capital Partners III		\$4,465,673		
Cressey & Company Fund VI		\$4,831,732		
TCV X		\$9,743,129		

Name	Fee Schedule	Market Value	Estimated Fee Value	Estimated Fee
Accel-KKR Growth Capital Partners III		\$4,754,190		
Genstar Capital Partners IX		\$8,461,390		
Cortec Group Fund VII		\$8,763,549		
Spark Capital Growth Fund III		\$8,149,730		
Spark Capital VI		\$2,066,938		
Summit Partners Growth Equity Fund X-A		\$6,347,947		
Taconic Market Dislocation Fund III L.P.		\$5,581,961		
Marlin Heritage Europe II, L.P.		\$3,879,708		
Khosla Ventures VII		\$2,017,712		
Accel-KKR Capital Partners VI		\$1,150,213		
Khosla Ventures Seed E		\$599,432		
TCV XI		\$3,039,273		
Thoma Bravo Discover Fund III		\$6,484,638		
Summit Partners Venture Capital Fund V-A		\$1,738,098		
GTCR Fund XIII/A & B		\$895,664		
Genstar Capital Partners X		\$890,892		
Nautic Partners X		\$779,449		
Spark Capital Growth Fund IV		\$780,000		
Direct Lending		\$13,689,336		
Silver Point Specialty Credit Fund II, L.P.		\$5,523,972		
Ares Senior Direct Lending Fund II		\$4,165,364		
Varagon Capital Direct Lending Fund		\$4,000,000		
Hedge Fund		\$106,480,859		
Sculptor (OZ) Domestic II	Performance-based 1.50 and 20.00	\$13,371,240	\$200,569	1.50%
Graham Absolute Return	Performance-based 1.75 and 20.00	\$8,290,410	\$205,768	2.48%
Wellington-Archipelago	Performance-based 1.00 and 20.00	\$14,443,472	\$144,435	1.00%
KLS Diversified	Performance-based 2.00 and 20.00	\$35,936	\$719	2.00%

Name	Fee Schedule	Market Value	Estimated Fee Value	Estimated Fee
Marshall Wace Eureka	Performance-based 2.00 and 20.00	\$4,192,780	\$83,856	2.00%
Silver Point Capital	Performance-based 1.50 and 20.00	\$17,349,269	\$260,239	1.50%
Laurion Capital	Performance-based 2.00 and 20.00	\$14,577,124	\$421,862	2.89%
Taconic Opportunity Fund	Performance-based 1.40 and 20.00	\$14,070,125	\$203,735	1.45%
Marshall Wace Global Opportunities	Performance-based 2.00 and 20.00	\$9,709,482	\$194,990	2.01%
Caxton Global Investments	Performance-based 1.95 and 22.50	\$10,441,020	\$297,334	2.85%
Real Assets		\$57,913,243		
SSgA	0.30% of First 50.0 Mil, 0.27% of Next 50.0 Mil, 0.25% Thereafter	\$26,761,736	\$80,285	0.30%
Private Infrastructure		\$20,493,945		
KKR Global II		\$5,709,228		
North Haven Infrastructure II		\$5,036,030		
ISQ Global Infrastructure Fund II		\$4,525,927		
KKR Global Infrastructure Investors III		\$3,620,001		
Ardian Infrastructure Fund V		\$1,331,052		
ISQ Global Infrastructure Fund III		\$304,576		
KKR Global Infrastructure Investors IV		-\$32,869		
Private Natural Resources		\$10,657,562		
EnCap XI		\$2,880,918		
EnCap IV		\$215,986		
GSO Energy Opportunities		\$1,640,446		
Taurus Mining		\$280,872		
Taurus Mining Annex		\$23,311		
BlackRock Global Energy and Power Infrastructure Fund III LP		\$2,384,550		
Tailwater Energy Fund IV, LP		\$3,231,479		

Name	Fee Schedule	Market Value	Estimated Fee Value	Estimated Fee
Cash		\$9,510,444		
Cash		\$8,327,827		
Treasury Cash		\$1,182,616		

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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. $\text{Portfolio Return} - [\text{Risk Free Rate} + \text{Beta} \times (\text{market return} - \text{Risk Free Rate})]$.

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.

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.

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%.

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

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.