

Investment Performance



Economy and Capital Markets

December 31, 2022

Quarter over Quarter % Change in GDP



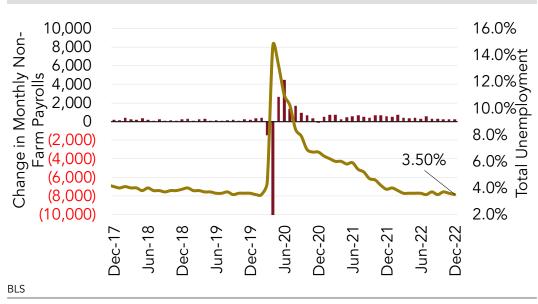
BEA

Equity Snapshot

			One	Three	Five	Ten
	Quarter	YTD	Year	Year	Year	Year
S&P 500	7.6%	(18.1%)	(18.1%)	7.7%	9.4%	12.6%
S&P 500 - Value	13.6%	(5.2%)	(5.2%)	6.3%	7.6%	10.9%
S&P 500 - Growth	1.4%	(29.4%)	(29.4%)	7.5%	10.3%	13.6%
Russell 1000 Defensive	9.7%	(16.4%)	(16.4%)	6.5%	9.5%	12.3%
Russell 2000	6.2%	(20.5%)	(20.5%)	3.1%	4.1%	9.0%
Russell 2000 - Value	8.4%	(14.5%)	(14.5%)	4.7%	4.1%	8.5%
Russell 2000 - Growth	4.1%	(26.4%)	(26.4%)	0.6%	3.5%	9.2%
MSCI EAFE	17.3%	(14.5%)	(14.5%)	0.9%	1.5%	4.7%
MSCI EAFE - Value	19.6%	(5.6%)	(5.6%)	0.6%	0.2%	3.5%
MSCI EAFE - Growth	15.0%	(22.9%)	(22.9%)	0.5%	2.5%	5.6%
MSCI Emerging Markets	9.7%	(20.1%)	(20.1%)	(2.7%)	(1.4%)	1.4%

MSCI, Russell, S&P

US Employment Situation



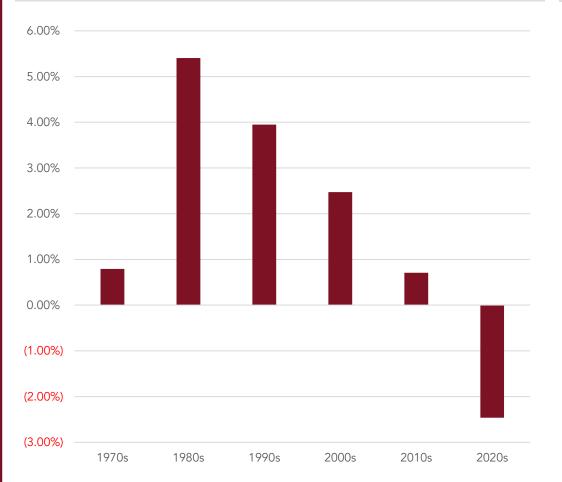
Fixed Income Snapshot

			One	Three	Five	Ten
	Quarter	YTD	Year	Year	Year	Year
ICE BofA 91 Day T-bills	0.8%	1.5%	1.5%	0.7%	1.3%	0.8%
Bloomberg Aggregate	1.9%	(13.0%)	(13.0%)	(2.7%)	0.0%	1.1%
U.S. Treasury	0.7%	(12.5%)	(12.5%)	(2.6%)	(0.1%)	0.6%
U.S. Agency	0.7%	(7.9%)	(7.9%)	(1.4%)	0.6%	0.9%
U.S. Credit	3.4%	(15.3%)	(15.3%)	(2.9%)	0.4%	1.8%
ABS	0.8%	(4.3%)	(4.3%)	(0.1%)	1.2%	1.2%
MBS	2.1%	(11.8%)	(11.8%)	(3.2%)	(0.5%)	0.7%
CMBS	1.0%	(10.9%)	(10.9%)	(1.7%)	0.8%	1.6%
Bloomberg U.S. TIPS	2.0%	(11.8%)	(11.8%)	1.2%	2.1%	1.1%
Bloomberg Long G/C	2.6%	(27.1%)	(27.1%)	(6.2%)	(1.2%)	1.6%
Bloomberg Municipal	4.1%	(8.5%)	(8.5%)	(0.8%)	1.3%	2.1%
Morningstar LSTA	2.7%	(0.6%)	(0.6%)	2.5%	3.3%	3.7%
Bloomberg High Yield	4.2%	(11.2%)	(11.2%)	0.1%	2.3%	4.0%
Bloomberg, ICEBofA, S&P, Morningstar						



US Investment-Grade Bond Yields Over Time

BB U.S. Aggregate Real Yields by Decade



BB U.S. Aggregate Real Yield Since Inception



Bloomberg Live; BLS

Bloomberg Live; BLS

- As of December 31, 2022, the real yield of the Bloomberg Barclays U.S. Aggregate was (1.77%).
- Data from inception of the Bloomberg Barclays U.S. Aggregate in January 1976 through December 2022.

CARDINAL

December 31, 2022

Executive Summary

For the quarter:

Portfolio update:

• The total balance for the portfolio was \$1.2 B.

Capital Markets:

- The Federal Reserve announced a 50-basis point interest rate increase during its December meeting, raising the target range to 4.25%-4.50%. In response to inflation expectations, members increased their projection of the Fed Funds rate target levels for the next three years. The Fed's projections of core PCE inflation for year-end 2023 were adjusted upward from 3.1% in September to 3.5% in the December meeting. All Fed members anticipate the need for ongoing increases during 2023 but the increases are expected to be more moderate in terms of size and frequency compared to 2022. The latest year-end 2023 projections of the Fed Funds rate were in the range of 4.875%-5.625% with a median of 5.1%, which is 0.5% higher than the median projection from September's meeting.
- Equity markets struggled to gain any traction throughout the year. The S&P 500 finished down 18.1% in 2022 after increasing each of the past three years, marking its worst yearly return since 2008. Additionally, the Bloomberg Aggregate index posted a decline of 13.0% during the year, its worst year since the index's inception in 1977. Commodities led asset class performance in 2022, bolstered by the war in Ukraine that heavily suppressed output.

Performance:

- The PCF's overall portfolio underperformed the benchmark by 46 bps.
- Risky Debt, Equities, and Private Real Estate outperformed, while Core Fixed Income lagged.

• For the past year:

Capital Markets:

- For investment grade fixed income markets, Long G/C came in at -27.1% followed by Credit at -15.3%.
- For equities, all asset classes had negative returns. S&P 500 Growth came in at -29.4%

Performance:

- The PCF's overall portfolio outperformed its relative benchmark, by 69 bps...
- Private Real Estate composite outperformed by 232 bps, returning 9.0% vs. 6.7% for the benchmark.

For the past five years:

Capital Markets:

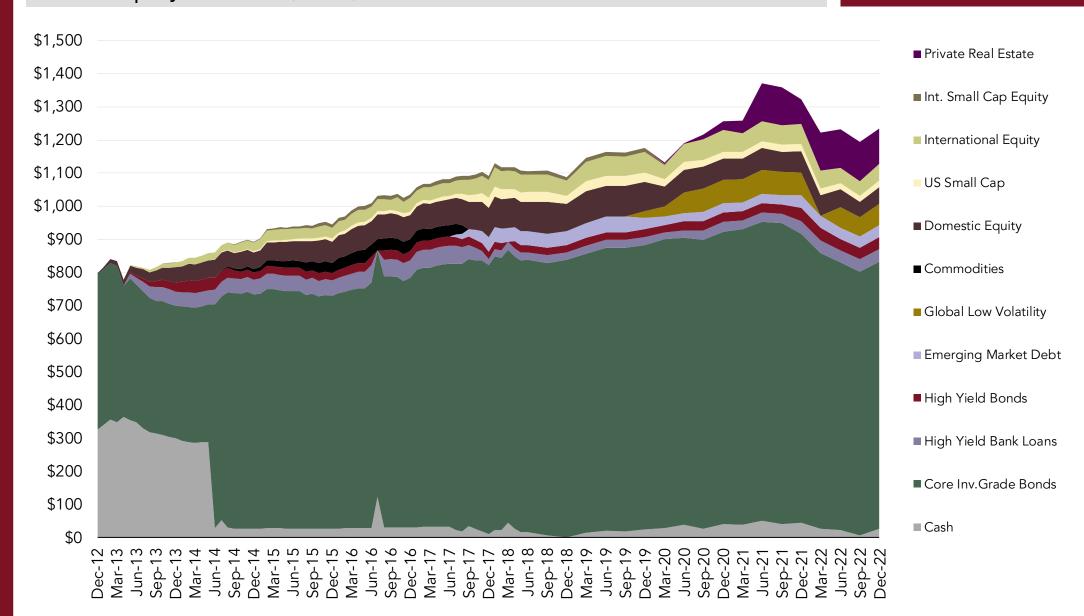
- For fixed income Morningstar LSTA came in at 3.3% followed by High Yield, 2.3%.
- The top equity asset performer was S&P 500 Growth at 10.3% followed by Russell 1000 Defensive at 9.5%.

Performance:

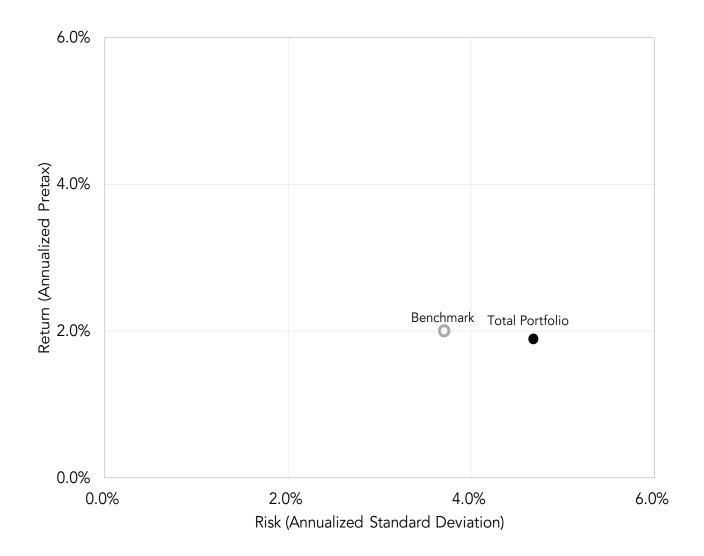
• The PCF's overall portfolio performance came in at 1.9%

Asset Allocation

Total Company Allocation (\$000s)



Five Year Risk/Return Performance



- This chart shows the risk and return for the actual portfolio and the overall benchmark for the past five years.
- Over the past five years, LAPCF slightly underperformed its benchmark by 0.13% on an annualized basis with a similar level of risk.

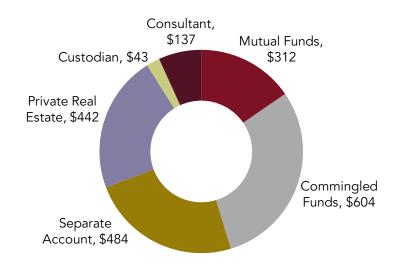


Investment Fees by Vehicle

Estimated Annual Fees

	12/31/2022	Estimated	Expense
	Market Value (\$MM)	Annual Fee (\$k)	Ratio
Mutual Funds	\$200	\$312	0.16%
Commingled Funds	\$96	\$604	0.63%
Separate Account	\$806	\$484	0.06%
Private Real Estate	\$107	\$442	0.41%
Cash	\$26	na	na
Custodian	na	\$43	0.00%
Consultant	na	\$137	0.01%
Total	\$1,235	\$2,021 Avg.	0.16%

Distribution of Fees



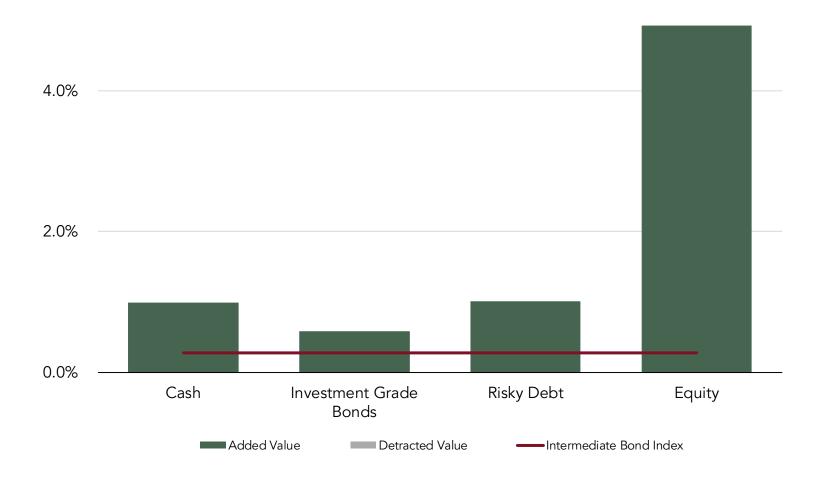
Principal, Cardinal

Principal, Cardinal

- The annual fee amounts were calculated using the most recent available market values and expense ratios for each fund.
- The annual fee amounts presented are estimated due to fluctuating market values of each holding from quarter to quarter.

Five Year Asset Class Returns vs. Intermediate Bond Index







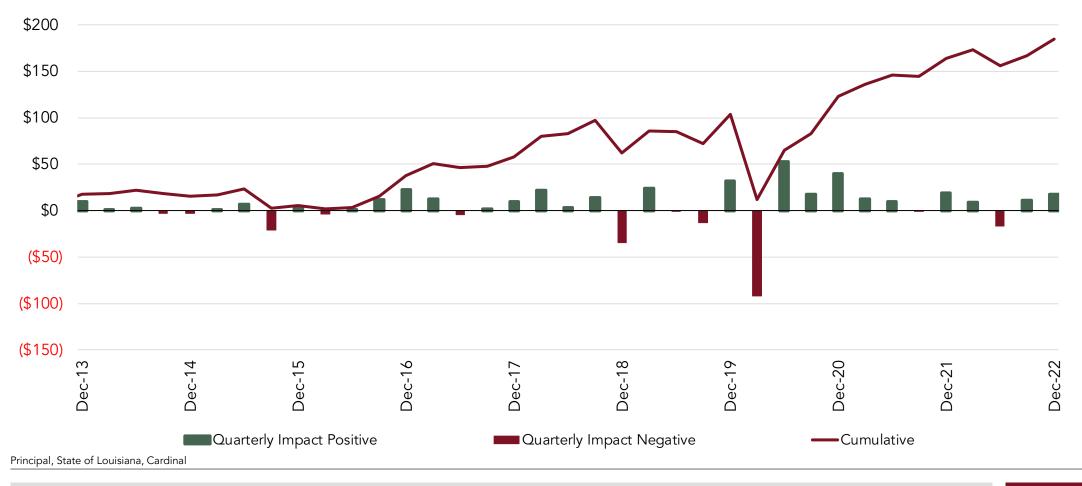
December 31, 2022

Total Composites

Net of Fees

	Market Value			One	Three	Five	Ten	Since	Inception
Composite	(\$000s)	Weight	Quarter	Year	Years	Years	Years	Inception	Date
PCF Composite Pretax Performance Blended Benchmark ¹ Relative Performance	\$1,235,122	100.0%	2.28% 2.74% (0.46%)	(8.36%) (9.05%) 0.69%	0.28% <u>0.42%</u> (0.14%)	1.88% 2.01% (0.13%)	2.24% 2.48% (0.24%)	2.17% 2.73% (0.56%)	Jan-12
			(211210)	C. C. T. T.	(0.1.1.0)	(0)	(312 111)	(212212)	
Cash WF Advantage Fund Merrill 91 Day T-Bill Relative Performance	\$25,873	3 2.1%	1.40% <u>0.82%</u> 0.58%	1.84% <u>1.37%</u> 0.47%	0.67% <u>0.63%</u> 0.04%	1.00% <u>1.18%</u> (0.18%)	- - -	0.70% <u>0.85%</u> (0.15%)	Jan-15
Core Fixed Income Composite Blended Benchmark ² Relative Performance	\$805,838	65.2%	1.19% 1.71% (0.52%)	(9.33%) (9.54%) 0.20%	(1.44%) (1.96%) 0.52%	0.58% <u>0.28%</u> 0.31%	1.22% <u>1.00%</u> 0.23%	1.33% <u>1.28%</u> 0.04%	Jan-12
Risky Debt Composite Blended Benchmark ² Relative Performance	\$110,883	9.0%	5.05% <u>4.26%</u> 0.79%	(10.26%) (9.24%) (1.03%)	(1.25%) (0.64%) (0.61%)	1.01% <u>1.55%</u> (0.54%)	- - -	2.31% 2.74% (0.44%)	Apr-13
Total Equity Composite Blended Benchmark ² Relative Performance	\$185,743	15.0%	10.62% 10.36% 0.26%	(12.74%) (16.94%) 4.20%	3.38% <u>3.64%</u> (0.26%)	4.93% <u>4.67%</u> 0.26%	8.87% <u>8.82%</u> 0.05%	8.91% <u>8.88%</u> 0.03%	Nov-12
Private Real Estate Composite Blended Benchmark ² Relative Performance Principal, State of Louisiana, Cardinal	\$106,784	8.6%	(4.96%) (<u>5.13%)</u> 0.18%	9.02% <u>6.70%</u> 2.32%	10.73% <u>9.47%</u> 1.26%	- - -	- - -	10.73% <u>9.47%</u> 1.26%	Jan-20

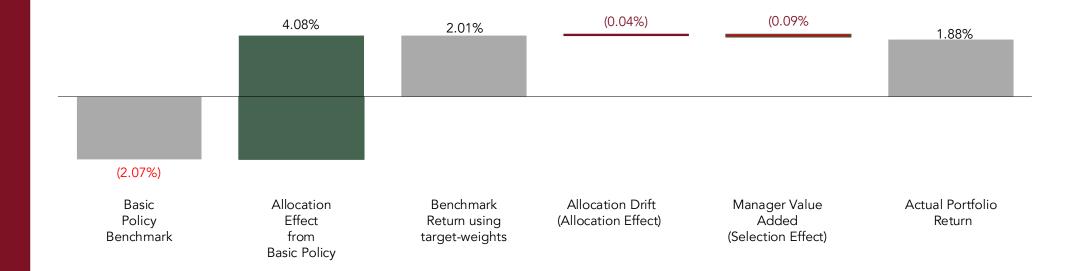
Value added or (detracted) by the Diversified Portfolio



• Since inception, the diversified portfolio has added approximately \$185 MM above what the prior portfolio structure likely would have earned.

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Five-Year Performance Attribution: Overall



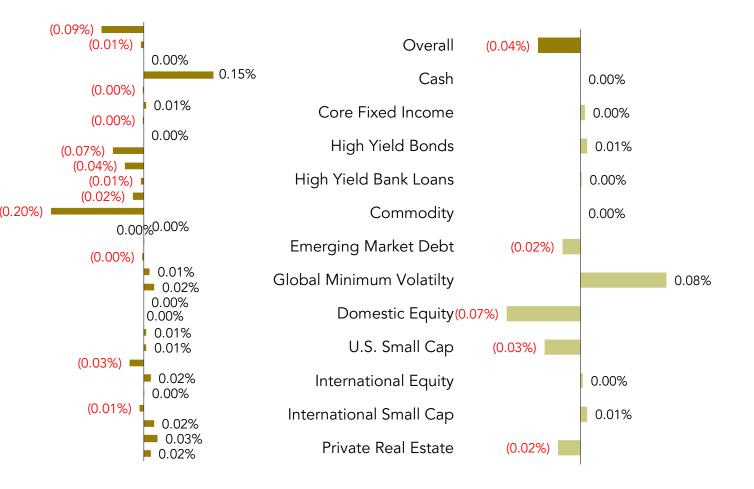
Principal, Cardinal

- Drift, or the Allocation effect was (0.04%) for the last five years.
- The PCF's investment managers have detracted (0.09%) in value overall on an annualized basis.

Manager Value Added

Allocation Effect

Overall Wells Fargo Money Market Fixed Income - State of LA **GR NEAM** Federated Institutional High Yield Vanquard High Yield Corporate Neuberger Berman High Income Oppenheimer Floating Rate Barings Capital Floating Rate Inc. PGIM Emerging Markets Debt **Emerging Markets Hard Currency** Goldman Sachs Emerging Markets Vanguard Global Minimum Volatility (0.20%) Vanguard Russell 1000 Value Fund Vanguard Total Stock Market Fund DFA US Small Cap Vanguard Small-Cap S&P 600 Virtus KAR Small'-Cap Core Diamond Hill Small Cap Fund Allianz NFJ International Value Fund EuroPacific Growth Fund Harbor International PIMCO International StockPLUS City of London Vanquard Total International Stock DFĂ International Small Cap Value Oppenheimer International Small Invesco US Income Fund LP **AEW Core Property Trust**



Principal, Cardinal

Principal, Cardinal

- GR NEAM has had a significantly positive impact on the overall portfolio (+0.15%) annualized over the past five years.
- Global Minimum Volatility had the highest Allocation Effect (+0.08%) annualized over the past five years.

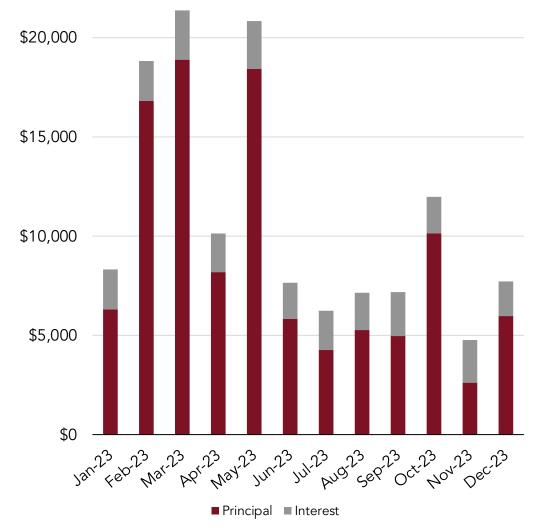


Cash Flows Fixed Income

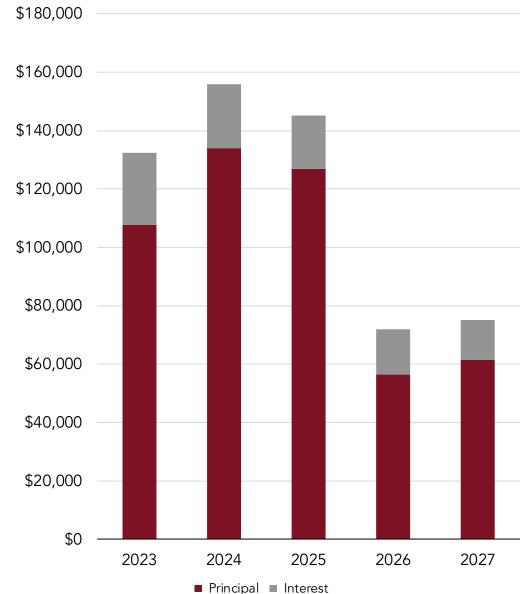
December 31, 2022

Cash Flow Projections (\$000s) - 12 Months





Cash Flow Projections (\$000s) - Yearly





Fixed Income

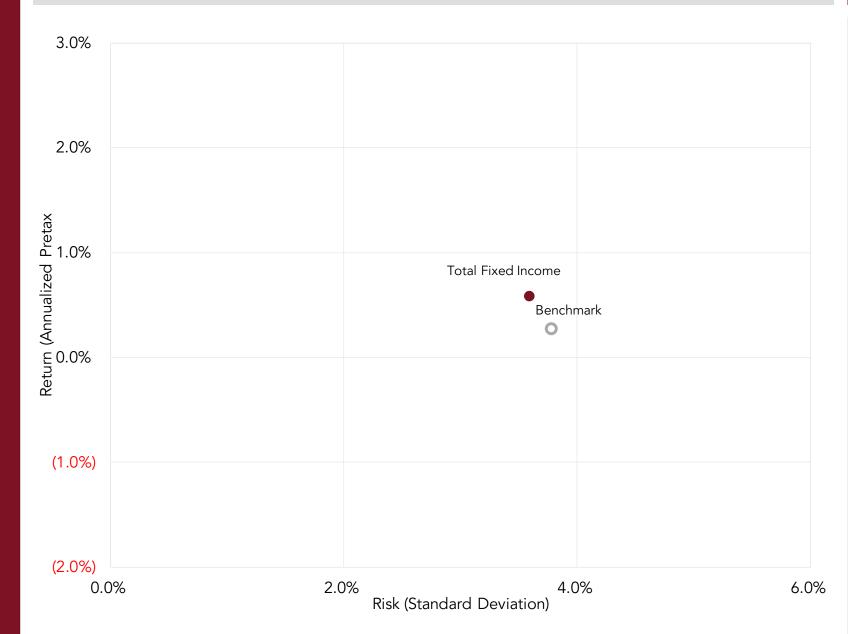
Composite Core Fixed Income Composite Blended Benchmark ² Relative Performance	Market Value (\$000s) \$805,838	% Weight 65.2%		One Year (9.33%) (9.54%) 0.20%	Three Years (1.44%) (1.96%) 0.52%	Five Years 0.58% 0.28% 0.31%	Ten Years 1.22% 1.00% 0.23%	Since Inception 1.33% 1.28% 0.04%	Inception Date Jan-12
NEAM Bloomberg Int. Aggregate Index Relative Performance	\$805,838	65.2%	1.19% <u>1.71%</u> (0.52%)	(9.33%) (9.54%) 0.20%	(1.44%) (1.96%) 0.52%	0.58% <u>0.28%</u> 0.31%	- - -	1.29% <u>0.91%</u> 0.37%	Jun-14

Principal, State of Louisiana, NEAM, Cardinal

- NEAM outperformed for all reporting time periods against their relative benchmark except the current quarter.
- The Core Fixed Income Composite includes, in chronological order:
 - State of Louisiana fixed income,
 - Various mutual funds used transitionally,
 - JP Morgan, and NEAM.

December 31, 2022

Five Year Risk/Return Performance (Total Fixed Income)



• Over the past five years, Fixed Income has outperformed against its benchmark by 0.31% with nearly the same risk.



Characteristics NEAM

December 31, 2022

Characteristics

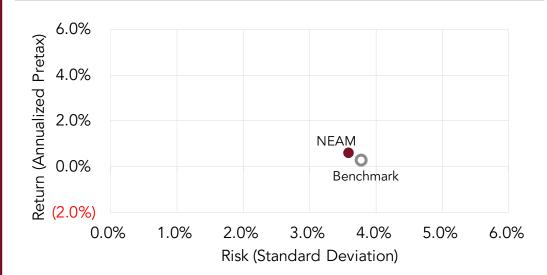
			BB Int.
	NE	AM	Aggregate
Characteristic	9/30/22	12/31/22	12/31/22
Effective Duration	4.5 years	4.3 years	4.5 years
Average Maturity	5.8 years	5.6 years	5.4 years
Yield to Maturity	4.8%	5.0%	4.6%
Average Quality	AA	AA	AA+

Mandate and Objective

- Actively managed fixed income separate account
- Inception: June 2014
- Objective: Exceed total return of the Bloomberg Int. Aggregate Index
- Annual Fee = 0.075% on the first \$400M and 0.045% on the remaining

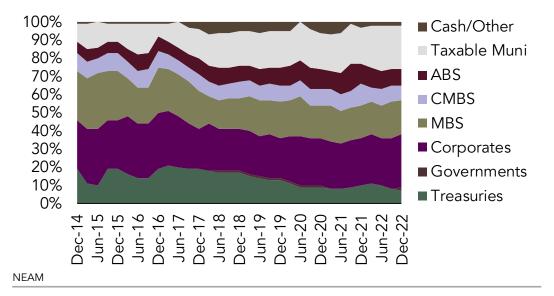
NEAM, Bloomberg

Five-Year Risk/Return



NEAM

Historical Sector Distribution



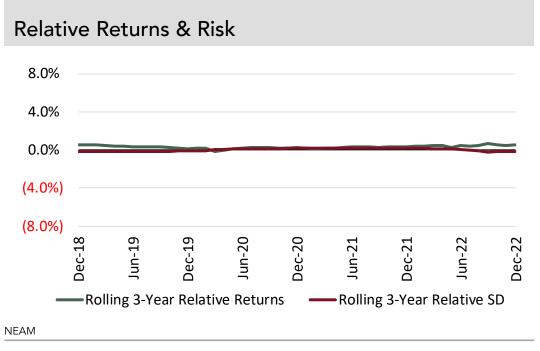
NEAM, Bloomberg

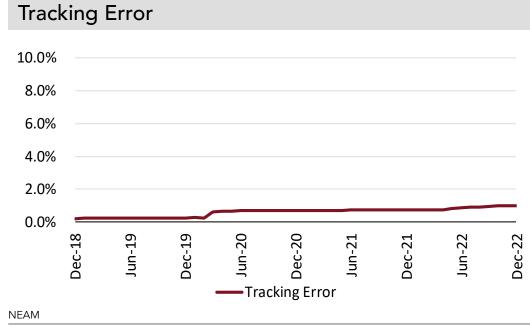


Characteristics NEAM

December 31, 2022

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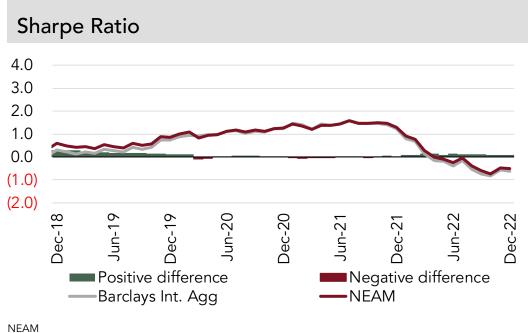
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Pec-57

Rolling 3-year beta



NEAM



High Yield Bank Loan

<u>Composite</u>	Market Value (\$000s)	% Weight	Quarter	One Year	Three Years	Five Years	Ten Years	Since Inception	Inception Date
High Yield Bank Loan Composite	\$38,471	3.1%	2.82%	(2.31%)	1.59%	2.47%	-	2.84%	Apr-13
S&P LSTA Index			<u>2.57%</u>	<u>(1.25%)</u>	<u>1.89%</u>	<u>2.64%</u>	-	<u>3.03%</u>	
Relative Performance			0.25%	(1.06%)	(0.30%)	(0.17%)	-	(0.19%)	
Barings Capital Floating Rate Income Morningstar LSTA U.S. Leveraged Loan Relative Performance	\$38,471	3.1%	2.82% 2.57% 0.25%	(2.31%) (1.25%) (1.06%)	1.59% 1.89% (0.30%)	2.47% 2.64% (0.17%)	- - -	3.13% <u>3.17%</u> (0.03%)	Aug-16

Principal, Barings, Cardinal

- Barings underperformed for all time periods except the current quarter.
- Since inception Barings has underperformed the benchmark by 3 bps.



Characteristics

			Morningstar
	Barings	s HYBL	S&P LSTA
Characteristic	9/30/22	12/31/22	12/31/22
Number of Issues	305	316	1,365
Average Maturity	4.5 years	4.4 years	NA
Wgtd. Average Spread	3.8 years	3.9 years	3.7 years
Avg Credit Quality	В	В	B+

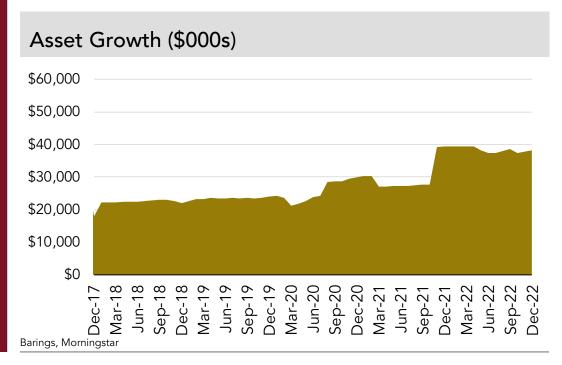
Mandate and Objective

- Actively managed High Yield Bank Loan Fund.
- Inception: August 2016
- Objective: Exceed total return of the Morningstar S&P LSTA index
- Annual fee 0.475%

Characteristics Barings

December 31, 2022

Barings, Morningstar



Barings, Morningstar

Top Ten Holdings

Clear Channel Worldwide 1.19 Altice USA, Inc 1.19	%
Altice USA Inc. 1.19	
7 (11100 00) (, 1110	D /
Asurion 1.19	/0
Mauser Packaging Solutions 1.0°	%
Medline 1.0°	%
Misys 0.99	%
Kenan Advantage 0.9°	%
Athenahealth, Inc 0.89	%
Alliant 0.89	%
Renaissance Learning 0.8°	%
Total 9.5	%

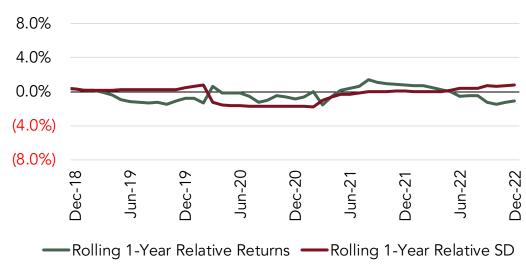
Barings, Morningstar



Characteristics Barings

December 31, 2022

Relative Returns & Risk



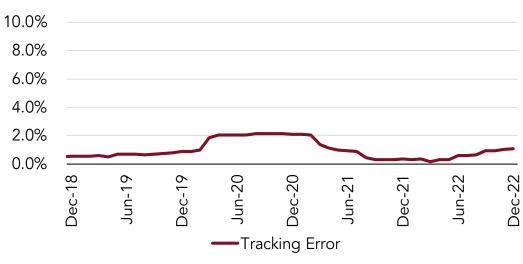
Manager Above

Manager Above

2.0 1.5 1.0 Oec-19 One-22 One-22 One-25 One-25 One-25 One-25 One-26 One-27 One-27

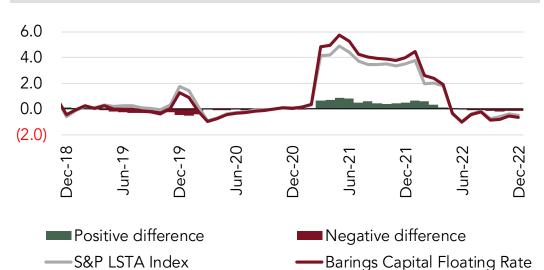
---Rolling 1-year beta

Tracking Error



Manager Above

Sharpe Ratio



Manager Above



High Yield Bond

	Market Value	%		One	Three	Five	Ten	Since	Inception
Composite	(\$000s)	Weight	Quarter	Year	Years	Years	Years	Inception	Date
High Yield Bond Composite	\$36,423	2.9%	4.53%	(10.20%)	(0.33%)	2.28%	-	3.06%	May-13
Blended Benchmark ²			<u>4.03%</u>	(11.25%)	(0.35%)	<u>2.12%</u>	-	<u>3.25%</u>	
Relative Performance			0.51%	1.05%	0.02%	0.16%	-	(0.19%)	
Federated Institutional High Yield Bond BofA/ML U.S. High Yield Cash Pay Index Relative Performance	\$18,067	1.5%	4.17% <u>4.03%</u> 0.14%	(11.39%) (11.25%) (0.15%)	(0.52%) (<u>0.35%)</u> (<u>0.16%)</u>	- - -	- - -	2.29% 2.30% (0.01%)	Apr-18
Vanguard High Yield Corporate Fund BofA/ML U.S. High Yield Cash Pay Index Relative Performance	\$18,356	1.5%	4.89% <u>4.03%</u> 0.86%	(8.99%) (11.25%) 2.26%	(0.15%) (<u>0.35%)</u> 0.20%	- - -	- - -	2.74% 2.30% 0.44%	Apr-18

Principal, Federated, Vanguard, Cardinal

- The High Yield Bond Composite outperformed the benchmark for all reporting time periods except since inception.
- Federated underperformed for all time periods except the current quarter, while Vanguard outperformed for all time periods.



Characteristics Federated High Yield Bond

December 31, 2022

Characteristics

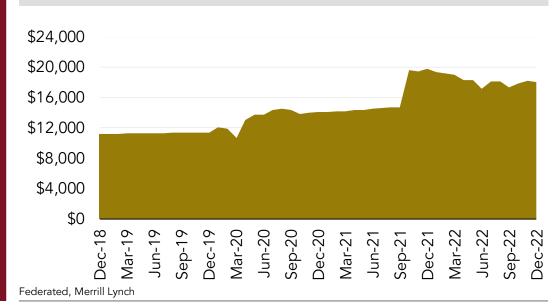
	Fed	erated	ICE BofA / ML U.S. High Yield
Characteristic	9/30/22	12/31/22	12/31/22
No. of Holdings	566	561	1,896
Average Duration	4.1 years	4.1 years	3.9 years
Avg. Credit Quality	В	В	BB-
Avg. Yield to Maturity	5.5%	5.2%	5.5%
Average Coupon	5.8%	5.9%	5.4%

Mandate and Objective

- Fund (FIHBX)
- Actively Managed High Yield Bond Fund
- Inception: April 2018
- Objective: Exceed total return of the ICE BofA / ICE BofA U.S. High Yield Cash Pay
- Annual Fee 0.500%

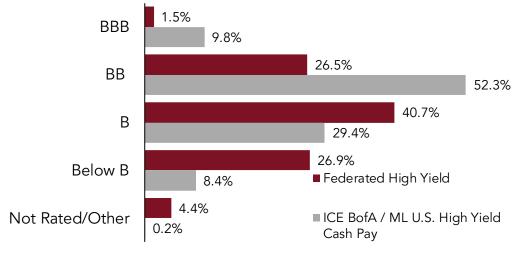
Federated, Merrill Lynch

Asset Growth (\$000s)



Federated, Merrill Lynch

Quality Distribution



Federated, Merrill Lynch



Bond Federated High Yield Characteristics

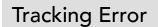
December 31, 2022

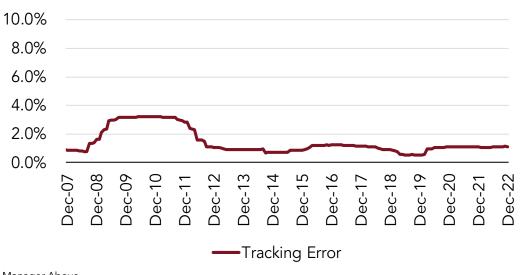




Manager Above

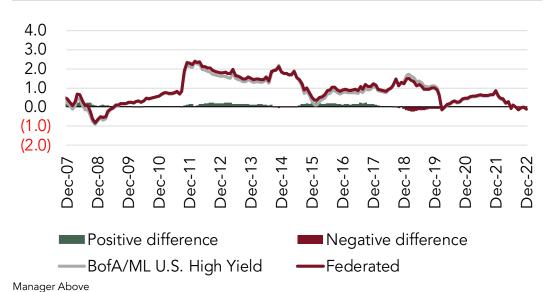


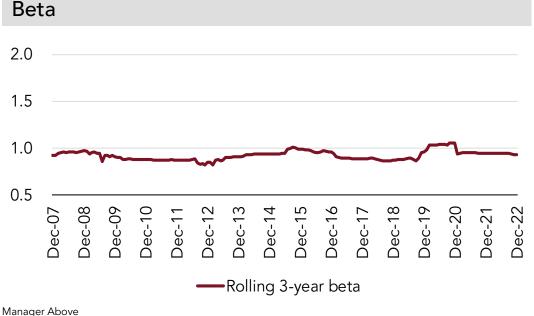




Manager Above

Sharpe Ratio







Characteristics Vanguard High Yield Bond

December 31, 2022

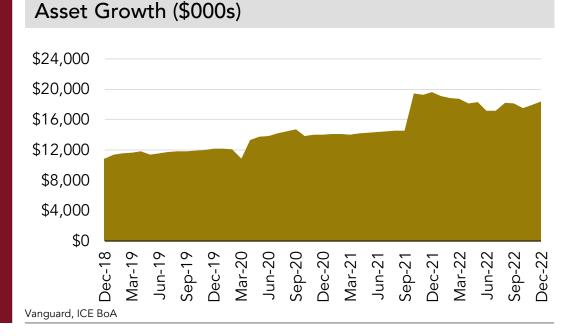
Characteristics

Vang	uard HY	ICE BofA U.S. High Yield
9/30/22	12/31/22	12/31/22
701	746	1,896
4.2 years	3.9 years	3.9 years
BB	BB	BB-
7.9%	5.6%	5.5%
4.8%	4.9%	5.4%
	9/30/22 701 4.2 years BB 7.9%	701 746 4.2 years 3.9 years BB BB 7.9% 5.6%

Mandate

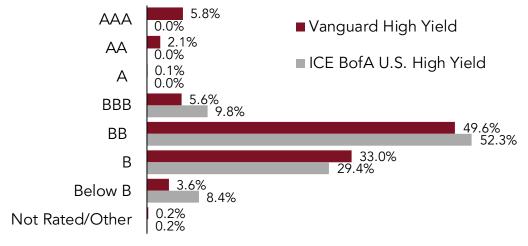
- Fund (VWEAX)
- Passively managed High Yield Bond Fund
- Inception: April 2018
- Objective: Exceed total return of the ICE BofA U.S. High Yield Cash Pay Index
- Annual fee 0.130%

Vanguard, ICE BofA



Vanguard, ICE BofA

Quality Distribution



Vanguard, ICE BofA



Characteristics Vanguard High Yield Bond

December 31, 2022

Relative Returns & Risk



Manager Above

Sharpe Ratio

Dec-08

Dec-09

Dec-10

Dec-12

Dec-13

Dec-14

Tracking Error

Dec-15

Dec-16

Dec-17

Dec-18

Dec-19

Dec-20

Dec-22

Dec-21

Tracking Error

10.0%

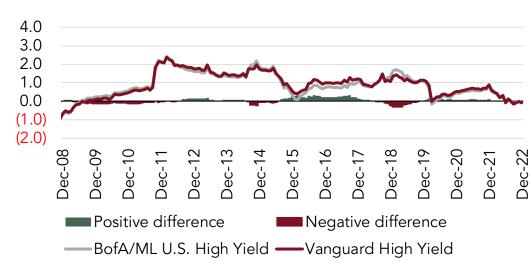
8.0%

6.0%

4.0%

2.0%

0.0%



2.0 1.5 1.0 0.5 **Dec-10** Dec-16 **Dec-20** Dec-09 **Dec-14 Dec-18** Dec-19 Dec-22 Dec-13 **Dec-21** Dec-08 Dec-11 Dec-12

---Rolling 3-year beta

25

Manager Above

Manager Above

Beta

Manager Above



Emerging Market Debt

	Market Value	%		One	Three	Five	Ten	Since	Inception
Composite	(\$000s)	Weight	Quarter	Year	Years	Years	Years	Inception	Date
Emerging Market Debt Composite	\$35,990	2.9%	8.09%	(18.12%)	(4.84%)	(1.45%)	-	(0.96%)	Aug-17
50% EMBI Global / 50% CEMBI Broad			<u>6.36%</u>	<u>(15.19%)</u>	<u>(3.70%)</u>	<u>(0.31%)</u>	-	<u>0.15%</u>	
Relative Performance			1.73%	(2.93%)	(1.15%)	(1.14%)	-	(1.11%)	
PGIM Emerging Market Debt 50% EMBI Global / 50% CEMBI Broad Relative Performance	\$35,990	2.9%	8.09% <u>6.36%</u> 1.73%	(18.09%) (15.19%) (2.90%)	- - -	- - -	- - -	(4.40%) (3.82%) (0.58%)	Jul-20

Principal, Goldman Sachs, Prudential, Cardinal

- Emerging Market Debt has underperformed for all time periods except the 4th quarter.
- Prudential underperformed since inception by 58 bps.



Prudential Emerging Markets Fund Characteristics

December 31, 2022

Characteristics

			50% EMBI Global / 50% CEMBI Broad
	Prudential Em	erging Market	Div.
Characteristic	9/30/22	12/31/22	12/31/22
No. of Holdings	533	517	2,800
Effective Duration	6.6 years	6.9 years	6.8 years
Effective Maturity	10.7 years	11.3 years	11.7 years
Avg. Credit Quality	BB	BB	BBB
Yield	9.2%	8.5%	7.1%

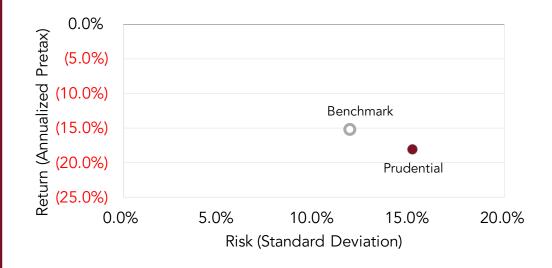
Mandate

- Fund (PDHQX)
- Inception: July 2020
- Objective: Exceed total return of JPM 50% EMBI Global Diversified /50% CEMBI Broad Diversified
- Annual fee 0.65%

Prudential

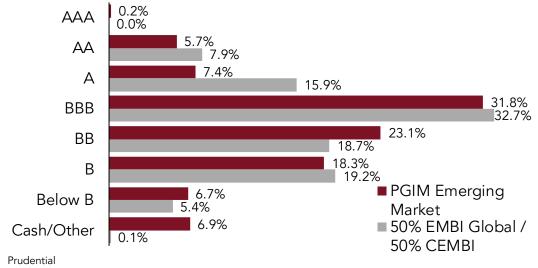
Prudential

One-Year Risk/Return



Prudential

Quality Distribution



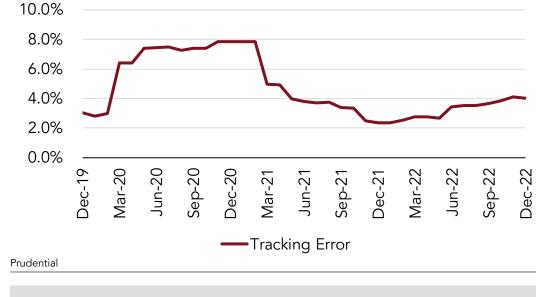


Prudential Emerging Markets Fund Characteristics

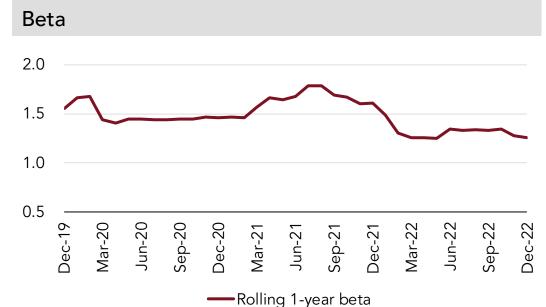
December 31, 2022

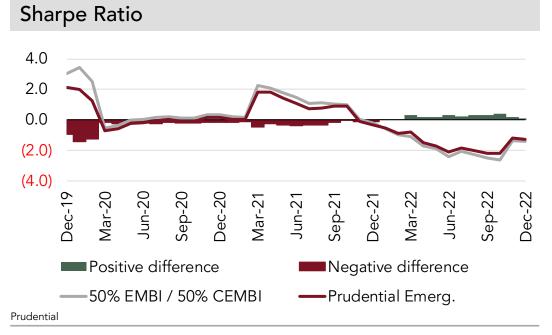
Relative Returns & Risk





Tracking Error





Prudential



Equity and Global Low Volatility

	Market Value	%	•	One	Three	Five	Ten	Since	Inception
Composite	(\$000s)	Weight	Quarter	Year	Years	Years	Years	Inception	Date
Total Equity Composite	\$185,743	15.0%	10.62%	(12.74%)	3.38%	4.93%	8.87%	8.91%	Nov-12
Blended Benchmark ²			<u>10.36%</u>	(16.94%)	<u>3.64%</u>	<u>4.67%</u>	<u>8.82%</u>	<u>8.88%</u>	
Relative Performance			0.26%	4.20%	(0.26%)	0.26%	0.05%	0.03%	
Domestic Equity Composite	\$71,278	5.8%	8.87%	(14.94%)	7.18%	8.26%	11.60%	11.60%	Nov-12
Blended Benchmark ²			<u>8.19%</u>	(16.62%)	<u>6.09%</u>	<u>7.16%</u>	<u>11.08%</u>	<u>11.11%</u>	
Relative Performance			0.68%	1.68%	1.09%	1.10%	0.52%	0.49%	
International Equity Composite	\$50,470	4.1%	14.76%	(19.05%)	0.79%	1.50%	_	3.49%	May-13
Blended Benchmark ²			<u>14.12%</u>	<u>(16.18%)</u>	0.33%	0.75%	_	3.34%	·
Relative Performance			0.65%	(2.88%)	0.46%	0.75%	-	0.15%	
Vanguard Global Minimum Volatility FTSE All-World Index	\$63,995	5.2%	9.47% 9.90%	(4.45%) (18.16%)	0.96% 3.91%	-	-	1.39% <u>4.99%</u>	Dec-19
Relative Performance			(0.43%)	13.70%	(2.95%)	-	-	(3.60%)	

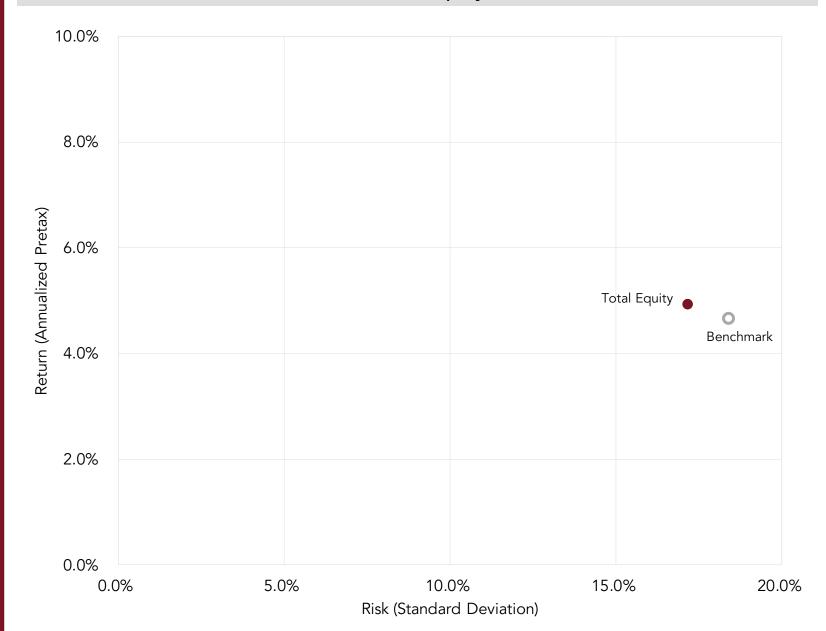
Principal, Cardinal

The Equity composite outperformed for all time periods except the three-year period.

- Over the past five years:
 - The equity portfolio earned 4.93%.
 - US equities did well, earning 8.26%.
 - International equities earned 1.50%.

December 31, 2022

Five Year Risk/Return Performance (Total Equity)



• Over the past five years, Total Equity has outperformed its benchmark by 0.26%.



December 31, 2022

Domestic Equity

Net of Fees

Composite	Market Value (\$000s)	% Weight	Quarter	One Year	Three Years	Five Years	Ten Years	Since Inception	Inception Date
Domestic Equity Composite	\$71,278	5.8%	8.87%	(14.94%)	7.18%	8.26%	11.60%	11.60%	Nov-12
Blended Benchmark ²			<u>8.19%</u>	(16.62%)	<u>6.09%</u>	<u>7.16%</u>	<u>11.08%</u>	<u>11.11%</u>	
Relative Performance			0.68%	1.68%	1.09%	1.10%	0.52%	0.49%	
Vanguard Total Stock Market Fund	\$33,818	2.7%	7.16%	(19.51%)	6.99%	8.72%	12.11%	12.10%	Nov-12
Russell 3000 Index	, , .		7.16%	(19.25%)	7.03%	8.75%	12.10%	12.11%	
Relative Performance			(0.01%)		(0.04%)	(0.03%)	0.01%	(0.01%)	
Vanguard Russell 1000 Value Fund	\$18,231	1.5%	12.40%	(7.62%)	5.90%	6.62%	_	7.82%	May-14
Russell 1000 Value Index	•		12.39%	<u>(7.61%)</u>	<u>5.91%</u>	6.60%	-	7.82%	,
Relative Performance			0.01%	(0.01%)	(0.00%)	0.02%	-	0.00%	
US Small Cap Equity Composite	\$19,229	1.6%	8.70%	(13.44%)	7.51%	-	-	8.59%	Mar-18
Blended Benchmark ²			<u>6.18%</u>	(20.53%)	3.00%	-	-	<u>3.60%</u>	
Relative Performance			2.52%	7.09%	4.51%	-	-	4.99%	
Vanguard Small Cap S&P 600	\$9,036	0.7%	9.17%	(16.18%)	5.80%	_	_	5.57%	Mar-18
Russell 2000 Index	ψ,,,,,	0.7 70	<u>6.18%</u>	(20.53%)	3.00%	_	_	3.60%	11101 10
Relative Performance			2.98%	4.35%	2.80%	-	-	1.96%	
Virtus KAR Small Cap Core	\$10,192	0.8%	8.28%	(10.86%)	8.78%	-	-	11.27%	Mar-18
Russell 2000 Index Relative Performance			<u>6.18%</u> 2.10%	(20.53%) 9.67%	3.00% 5.78%	-	-	<u>3.60%</u> 7.67%	
Notative i enormance			2.1070	7.07 70	5.7070	_	_	7.0770	



Total Stock Market <u>Characteristics</u> Index Fund Vanguard

December 31, 2022

Characteristics

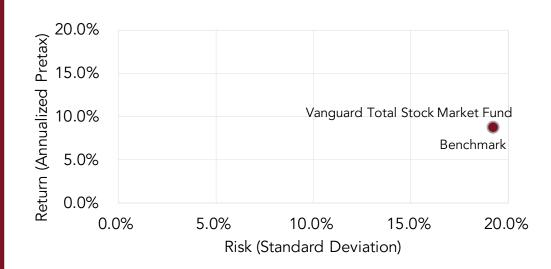
	Vanguard Marl	Russell 3000	
Characteristic	9/30/22	12/31/22	12/31/22
No. of Holdings	4,066	3,992	2,960
P/E Ratio	17.1x	18.1x	17.5x
Price/Book Ratio	3.1x	3.3x	3.5x
Avg Mkt Cap (\$B)	\$399.3	\$357.5	\$358.5
Return on Equity	19.3%	19.6%	19.6%
% in Top 10 Holdings	24.2%	21.4%	22.9%

Mandate and Objective

- Passively managed equity index fund (VITSX)
- Inception: November 2012
- Objective: Match performance of the Russell 3000 Index
- Annual Fee = 0.030%

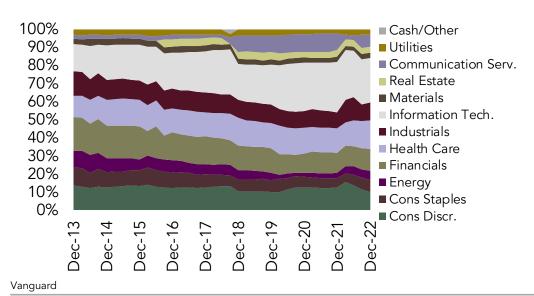
Vanguard, Russell

Five-Year Risk/Return



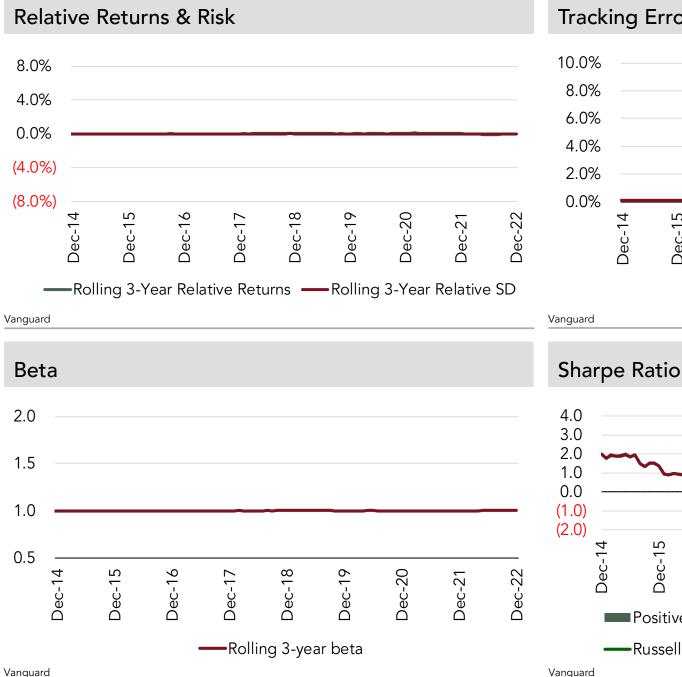
Vanguard

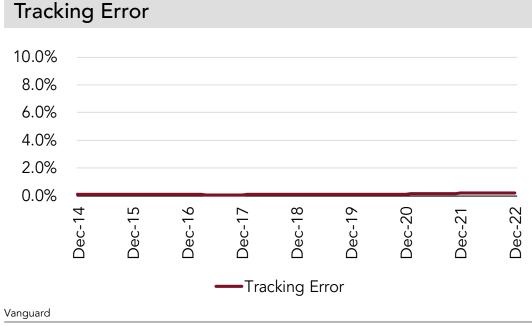
Historical Sector Distribution

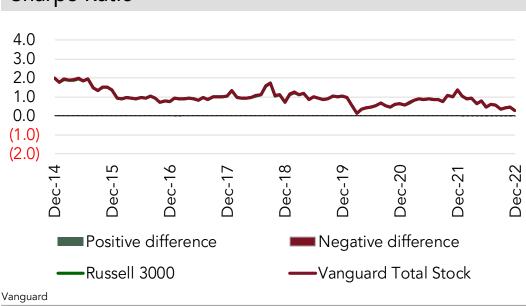




Total Stock Market <u>Characteristics</u> Fund Vanguard









Vanguard Russell 1000 Value Characteristics Fund

December 31, 2022

Characteristics

	Vanguard Rus Fu	Russell 1000 Value Index	
Characteristic	9/30/22	12/31/22	12/31/22
No. of Holdings	857	852	852
P/E Ratio	13.7x	15.1x	15.1x
Price/Book Ratio	2.0x	2.3x	2.3x
Avg Mkt Cap (\$B)	\$71.6	\$82.1	\$81.7
Return on Equity	12.9%	12.9%	12.9%
% in Top 10 Holdings	17.7%	18.3%	18.3%

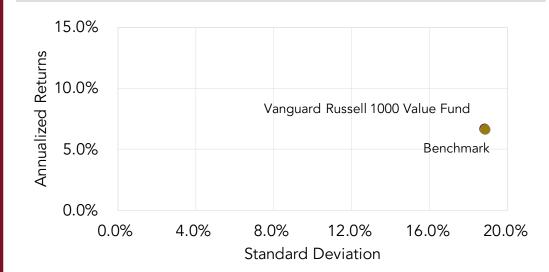
Mandate and Objective

- Passively managed equity index fund (VRVIX)
- Inception: May 2014
- Objective: Match performance of the Russell 1000 Value Index
- Annual Fee = 0.07%

Vanguard, Russell

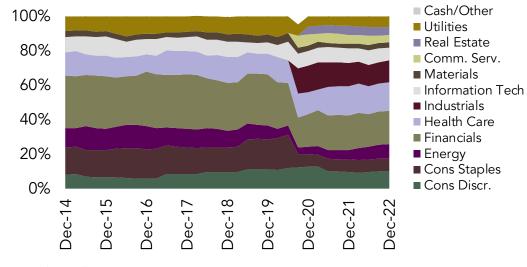
Vanguard, Russell

Five-Year Risk/Return



Vanguard, Russell

Historical Sector Distribution



Vanguard, Russell



Value 1000 Characteristics Vanguard Russell Fund

2.0

1.5

1.0

0.5

0.0

Manager Above

Dec-15

Dec-16

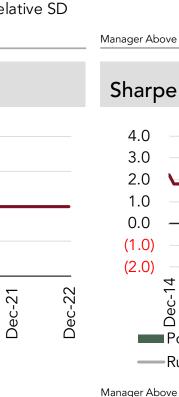
December 31, 2022

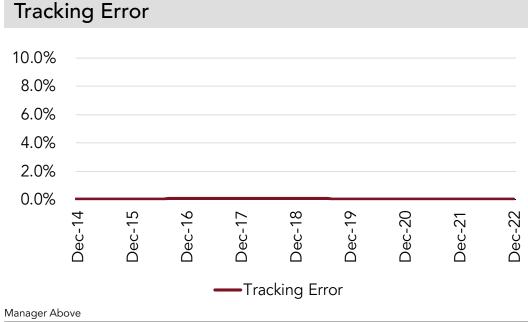


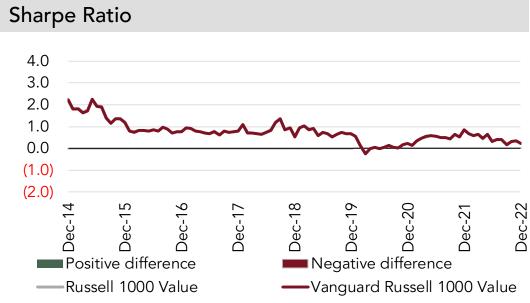
Dec-19

-Rolling 3-year beta

Dec-20









Characteristics rd Small Cap S&P 600 Fund Vanguard

December 31, 2022

Characteristics

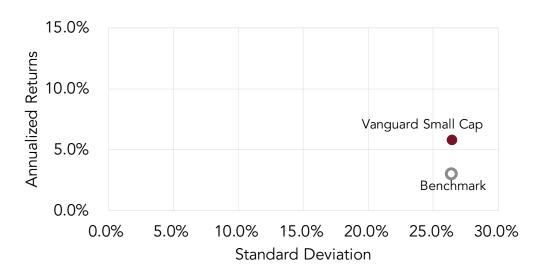
	Vanguard	Russell 2000	
Characteristic	9/30/22	12/31/22	12/31/22
No. of Securities	606	604	2,000
P/E Ratio	10.4x	11.2x	11.2x
Price/Book Ratio	1.5x	1.7x	2.5x
Avg Mkt Cap (\$B)	\$2.1	\$2.3	\$2.7
% in Top 10 Holdings	6.2%	5.7%	3.1%
			•

Mandate

- Passively managed equity index fund (VSMSX)
- Inception: March 2018
- Objective: Exceed performance of the Russell 2000 Index
- Annual Fee = 0.08%

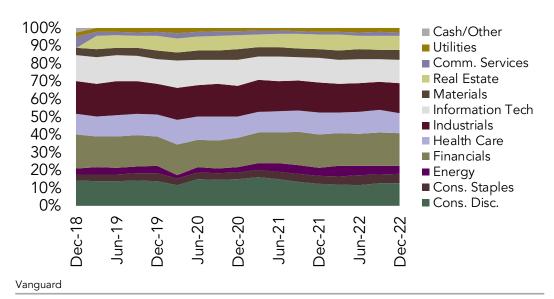
Vanguard, Russell

Three-Year Risk/Return



Vanguard

Historical Sector Distribution





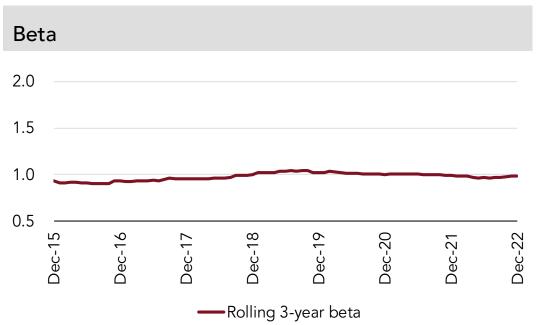
Cap S&P 600 Characteristics ठ Small Fund Vanguard

December 31, 2022

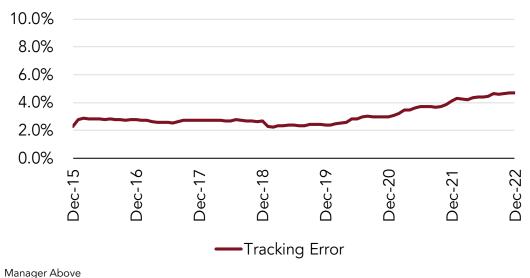
Relative Returns & Risk 8.0%



Manager Above

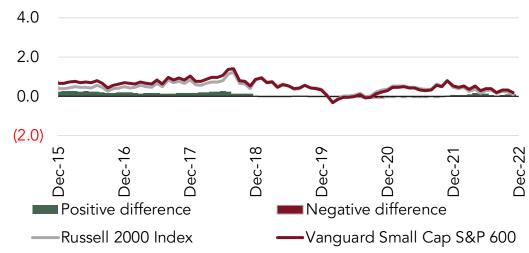


Tracking Error



Manager Above

Sharpe Ratio





Characteristics Virtus Kar Small Cap Fund

December 31, 2022

Characteristics

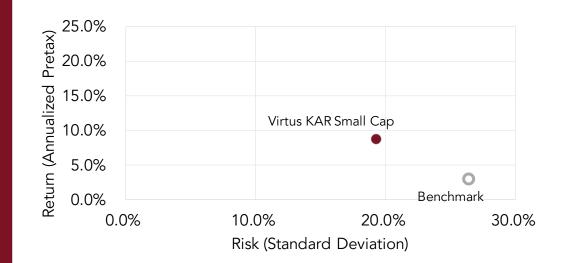
	Virtus KAF	R Small Cap	Russell 2000
Characteristic	9/30/22	12/31/22	12/31/22
No. of Securities	30	29	2,000
P/E Ratio	17.3x	18.5x	11.2x
Price/Book Ratio	3.4x	4.1x	2.5x
Avg Mkt Cap (\$B)	\$6.1	\$6.4	\$2.7
% in Top 10 Holdings	48.0%	50.3%	3.1%

Mandate and Objective

- Actively managed equity index fund (PKSFX)
- Inception: March 2018
- Objective: Exceed performance of the Russell 2000 index.
- Annual Fee = 1.02%

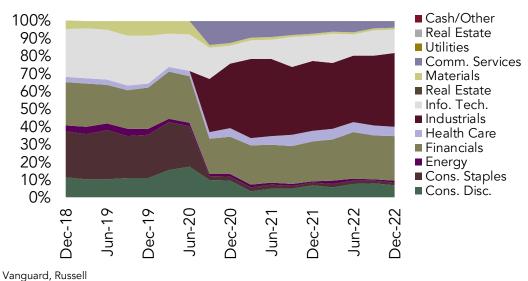
Vanguard, Russell

Three-Year Risk/Return



Vanguard, Russell

Historical Sector Distribution





Virtus Kar Small Cap Fund Characteristics

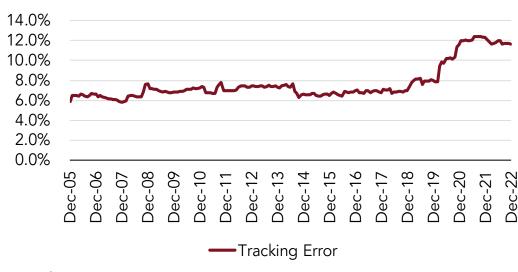
December 31, 2022

Relative Returns & Risk



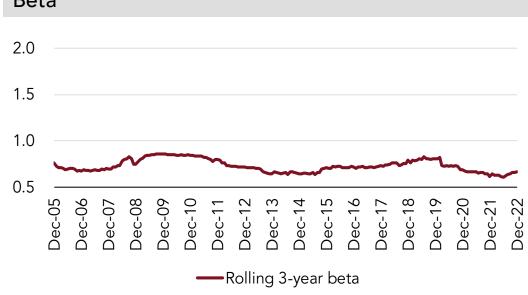
Manager Above

Tracking Error

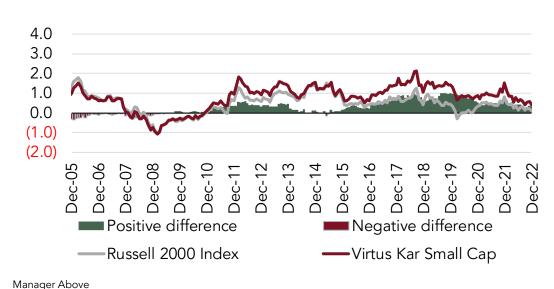


Manager Above

Beta



Sharpe Ratio



Manager Above

International Equity

Net of Fees

	Market Value	%		One	Three	Five	Ten	Since	Inception
Composite	(\$000s)	Weight	Quarter	Year	Years	Years	Years	Inception	Date
International Equity Composite	\$50,470	4.1%	14.76%	(19.05%)	0.79%	1.50%	-	3.49%	May-13
Blended Benchmark ²			<u>14.12%</u>	<u>(16.18%)</u>	0.33%	<u>0.75%</u>	-	<u>3.34%</u>	
Relative Performance			0.65%	(2.88%)	0.46%	0.75%	-	0.15%	
Management Tabal laborate and Charle Tal	ሰጋ/ 	2 20/	14 700/	/1 F O00/\	0.549/	1 120/		2 550/	Ma 12
Vanguard Total International Stock Fd	\$26,566	2.2%		(15.98%)	0.54%	1.13%	-	3.55%	May-13
FTSE Global All Cap ex US Index			<u>14.12%</u>	<u>(16.18%)</u>	<u>0.44%</u>	<u>1.02%</u>	-	<u>3.49%</u>	
Relative Performance			0.60%	0.20%	0.10%	0.11%	-	0.06%	
City of London	\$11,846	1.0%	15.87%	(22.34%)	1.00%	_	_	2.18%	Aug-18
FTSE Global All Cap ex US Index			14.11%	<u>(16.19%)</u>	0.43%	-	-	<u>1.51%</u>	_
Relative Performance			1.76%	(6.15%)	0.58%	-	-	0.67%	
EuroPacific Growth Fund	\$12,059	1.0%	13.79%	(22.74%)	(0.14%)	-	_	2.15%	Jul-18
FTSE Global All Cap ex US Index			14.11%	(16.19%)	0.43%	_	_	<u>1.98%</u>	
Relative Performance			(0.32%)	(6.55%)	(0.57%)	-	-	0.17%	



Characteristics Vanguard Total International Stock Fund

December 31, 2022

Characteristics

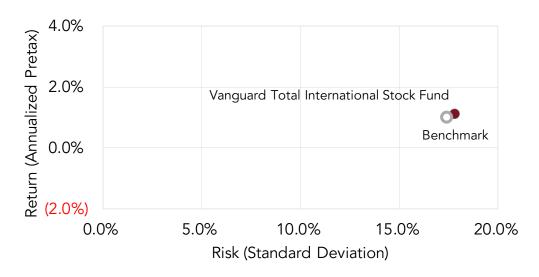
	Vanguard To	FTSE Global All Cap ex US Index	
Characteristic	9/30/22	12/31/22	12/31/22
No. of Holdings	7,991	7,844	7,629
P/E Ratio	10.6x	11.2x	11.2x
Price/Book Ratio	1.5x	1.5x	1.5x
Avg Mkt Cap (billion)	\$60.1	\$68.1	\$67.9
Dividend Yield	3.5%	3.3%	3.3%
Return on Equity	12.3%	12.4%	12.4%
% in Top 10 Holdings	9.1%	9.2%	9.2%

Mandate and Objective

- Passively managed equity index fund (VTSNX)
- Inception: May 2013
- Objective: Match performance of the FTSE Global All Cap ex U.S. Index
- Annual Fee = 0.08%

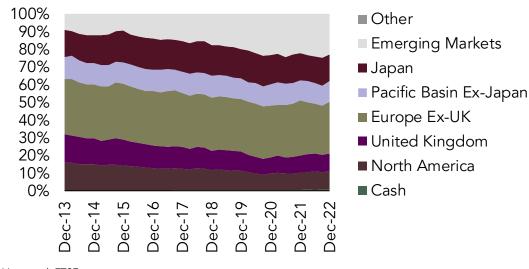
Vanguard, FTSE

Five-Year Risk/Return



Vanguard, FTSE

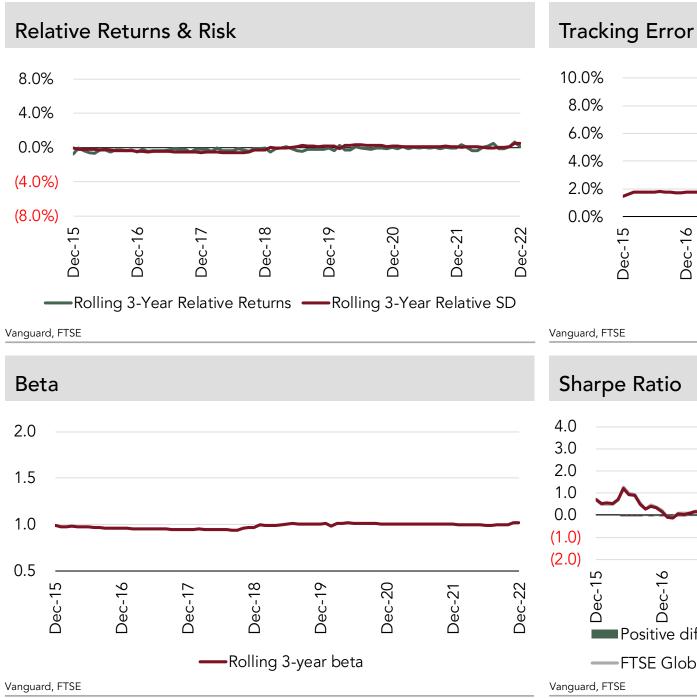
Historical Regions Distribution

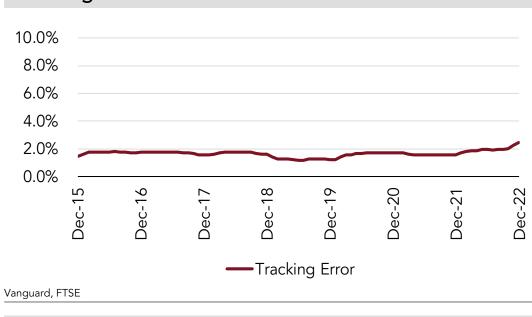


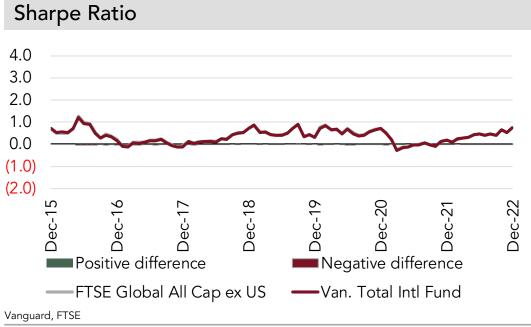


Characteristics Vanguard Total International Stock Fund

December 31, 2022









Characteristics City of London

December 31, 2022

Characteristics

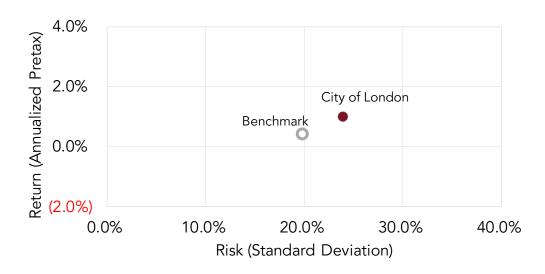
	City of	London	FTSE Global All Cap ex-US Index
Characteristic	9/30/22	12/31/22	12/31/22
No. of Holdings	50	49	7,629
P/E Ratio	12.5x	13.2x	11.2x
Price/Book Ratio	1.5x	1.6x	1.5x
Avg Mkt Cap (\$B)	\$15.4	\$16.8	\$67.9
Dividend Yield	2.6%	2.7%	3.3%
Return on Equity	12.3%	12.1%	12.4%
% in Top 10 Holdings	35.8%	35.4%	9.2%

Mandate and Objective

- Actively managed International Equity Commingled Fund
- Inception: August 2018
- Objective: Exceed total return of the FTSE Global All Cap ex U.S.
- Annual Fee = 0.70%

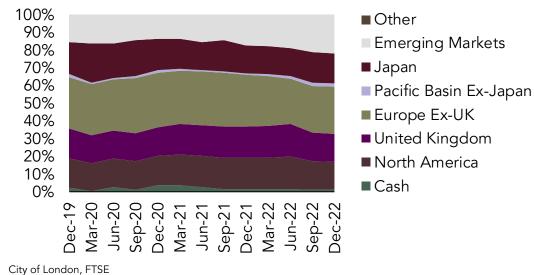
City of London, FTSE

Three-Year Risk/Return



City of London, FTSE

Historical Regions Distribution



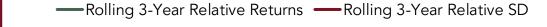


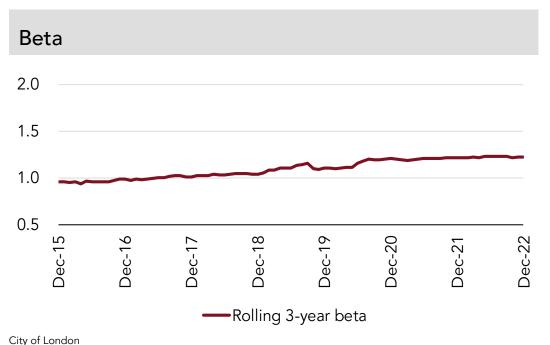
Characteristics City of London

City of London

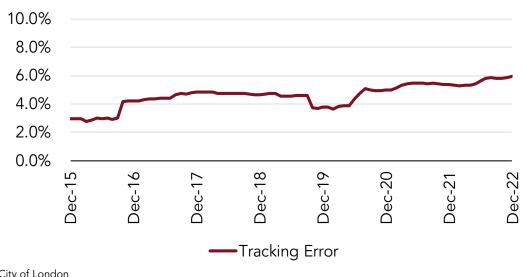
December 31, 2022

Relative Returns & Risk 8.0% 4.0% (4.0%)(8.0%)Dec-20 Dec-22 **Dec-16 Dec-19** Dec-18 **Dec-21**



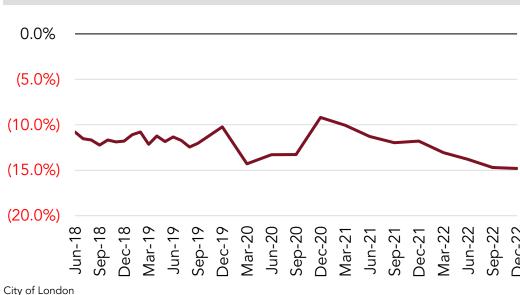


Tracking Error



City of London

Discount to NAV





Characteristics EuroPacific Growth Fund

December 31, 2022

Characteristics

Characteristic	Eurol 9/30/22	Pacific 12/31/22	FTSE Global All Cap ex US Index 12/31/22
No. of Holdings	348	341	7,629
P/E Ratio	14.2x	15.4x	11.2x
Price/Book Ratio	2.2x	2.4x	1.5x
Avg Mkt Cap (\$B)	\$46.7	\$53.7	\$67.9
Dividend Yield	0.8%	0.8%	3.3%
Return on Equity	18.0%	17.1%	12.4%
% in Top 10 Holdings	22.3%	24.3%	9.2%

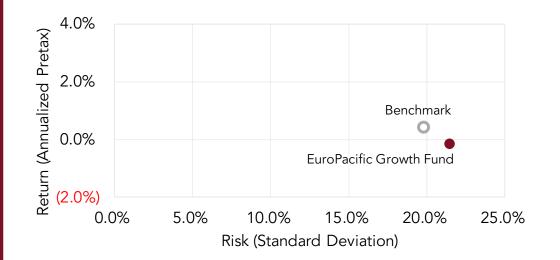
Mandate and Objective

- Actively managed International equity fund (FEUPX)
- Inception: July 2018
- Objective: Exceed total return of the FTSE Global All Cap ex U.S.
- Annual Fee = 0.47%

American Funds, FTSE

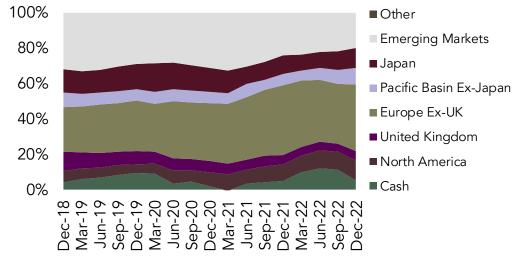
American Funds, FTSE

Three-Year Risk/Return



American Funds, FTSE

Historical Country Distribution



American Funds, FTSE



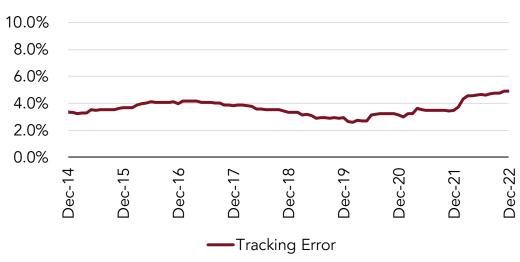
Characteristics EuroPacific Growth Fund

December 31, 2022



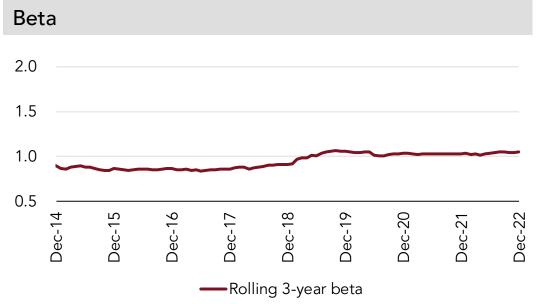


Tracking Error

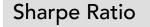


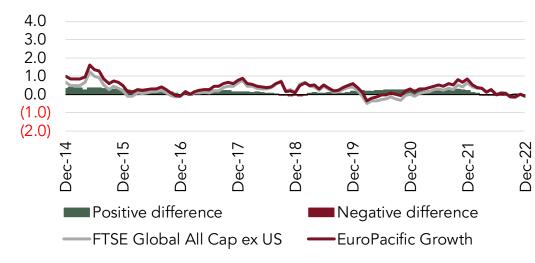
Manager Above

Manager Above



Manager Above





Manager Above



Low Volatility

	Market Value	%		One	Three	Five	Ten	Since	Inception
Portfolio	(\$000s)	Weight	Quarter	Year	Years	Years	Years	Inception	Date
Vanguard Global Minimum Volatility	\$63,995	5.2%	9.47%	(4.45%)	0.96%	-	-	1.39%	Dec-19
FTSE All-World Index			9.90%	(<u>18.16</u> %)	<u>3.91</u> %	-	-	<u>4.99</u> %	
Relative Performance			(0.43%)	13.70%	(2.95%)	-	-	(3.60%)	

Performance

Principal, Vanguard, Cardinal

• The Vanguard Global Minimum has underperformed for all reporting time periods except the one year.

December 31, 2022



Characteristics Vanguard Minimum Volatility

December 31, 2022

Characteristics

	Vanguard	FTSE All-World	
Characteristic	9/30/22	12/31/22	12/31/22
No. of Securities	316	308	4,151
P/E Ratio	13.8x	14.4x	11.5x
Price/Book Ratio	2.1x	2.1x	1.6x
Avg Mkt Cap (\$B)	\$70.1	\$71.2	\$13.6
% in Top 10 Holdings	16.2%	16.3%	13.5%

Mandate and Objective

- · Passively managed equity index fund (VMNVX)
- Inception: November 2019
- Objective: Exceed total return of the FTSE All-World Index
- Annual Fee = 0.14%

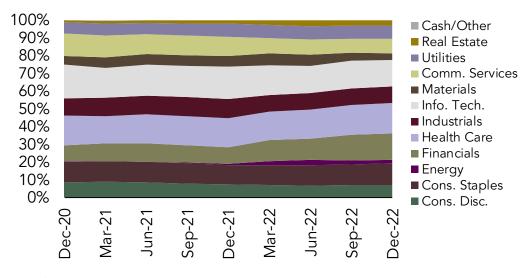
Vanguard, FTSE

Three-Year Risk/Return



Vanguard, FTSE

Historical Sector Distribution



Vanguard, FTSE



Characteristics Vanguard Minimum Volatility

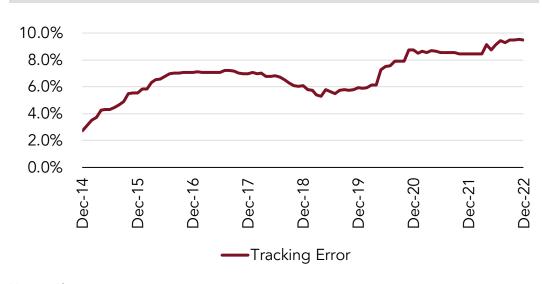
December 31, 2022

Relative Returns & Risk



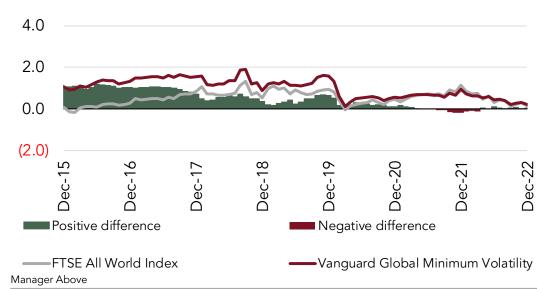
Manager Above

Tracking Error



Manager Above

Sharpe Ratio



Private Real Estate – Modified Dietz

	Market Value	%		One	Two	Three	Five	Ten	Since	Inception
Portfolio	(\$000s)	Weight	Quarter	Year	Years	Years	Years	Years	Inception	Date
Private Real Estate Composite	\$106,784	8.6%	(4.96%)	9.02%	15.98%	10.73%	-	-	10.73%	Jan-20
Blended Benchmark ²			(5.13%)	<u>6.70%</u>	<u>13.69%</u>	9.47%	-	-	<u>9.47%</u>	
Relative Performance			0.18%	2.32%	2.29%	1.26%	-	-	1.26%	
Invesco US Income Fund LP NCREIF Open End Diversified Core Relative Performance	\$23,736	1.9%	(4.08%) (<u>5.13%</u>) 1.05%	13.00% 6.70% 6.30%	18.97% 13.69% 5.28%	13.37% <u>9.47%</u> 3.90%	- - -	- - -	13.37% <u>9.47%</u> 3.90%	Jan-20
AEW Core Property Trust NCREIF Open End Diversified Core Relative Performance	\$83,048	6.7%	(5.10%) (5.13%) 0.03%	7.94% <u>6.70%</u> 1.24%	14.40% 13.69% 0.71%	- - -	-	- - -	12.17% 11.41% 0.77%	Jul-20

Principal, AEW, Invesco, Cardinal

• Invesco and AEW outperformed for all reporting time periods. Since inception Invesco outperformed the relative benchmark by 390 bps, while AEW outperformed by 77 bps.



Characteristics Invesco U.S. Income Fund

December 31, 2022

Characteristics

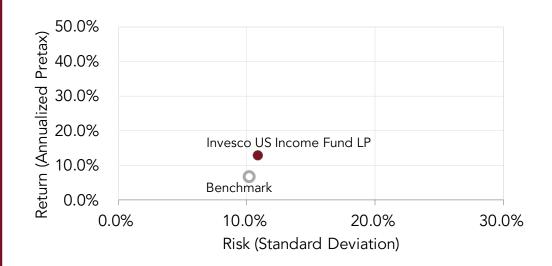
	Invesco U.S. Income Fund					
Characteristic	9/30/22	12/31/22				
Investors	34	38				
Gross Asset Value	\$5.0M	5.0M				
Portfolio Leased	94.5%	94.5%				
Contributions	\$369.9	\$277.0				
Trailing 4Q Gross Dist. Yield	5.0%	4.8%				

Mandate

- Actively managed private real estate fund
- Inception: January 2020
- Objective: Exceed total return of the NCREIF Open End Diversified Core
- Annual Fee = 1.20% on the first \$50M, 1.10% from \$50M-100M, 1.00% for the remaining.

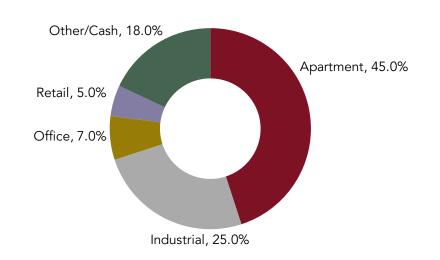
Invesco

One-Year Risk/Return



Invesco

Property Type Breakdown



Invesco



Characteristics AEW Core Property Trust

December 31, 2022

Characteristics

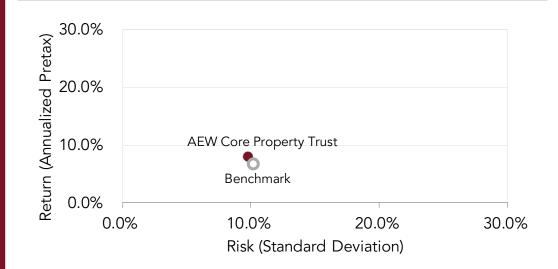
	AEW Core	Trust Fund
Chracteristic	9/30/22	12/31/22
Investors	414	373
Gross Asset Value	\$10.7M	\$10.8M
Portfolio Leased	97.0%	97.0%
Contributions	\$58.0M	\$13.0M
Weighted Avg Int. Rate	3.4%	4.4%

Mandate

- · Actively managed private real estate fund
- Inception: July 2020
- Objective: Exceed total return of the NCREIF Open End Diversified Core
- Annual Fee = 1.10% on the first \$10M, and 1.10% from \$10M-25M and then 0.85% from \$25-\$50M, 0.80% from \$50M-\$100M, and 0.75 over \$100M

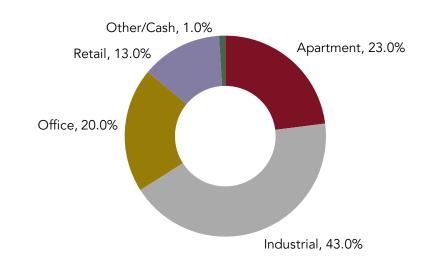
AEW

One-Year Risk/Return



AEW

Property Type Breakdown





Endnotes

¹The blended benchmark consists of a target-weighted blend of the underlying portfolio benchmarks.

²The blended benchmark consists of a market-weighted blend of the underlying portfolio benchmarks.

December 31, 2022