

Investment Performance

March 31, 2023

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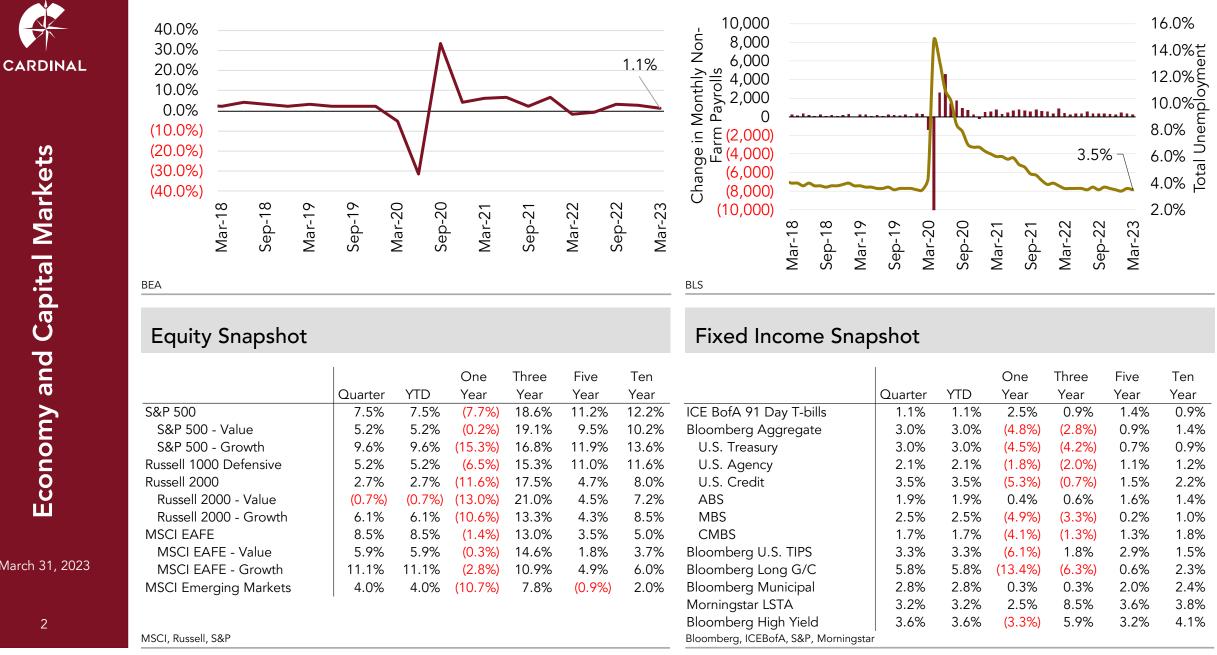
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INVESTMENT ADVISORS



US Employment Situation

Quarter over Quarter % Change in GDP

CARDINAL

Executive Summary

• For the quarter:

Portfolio update:

- The total balance for the portfolio was nearly \$1.3 billion.
- Capital Markets:
 - The banking sector showed signs of strain in the U.S. and Europe in March as Silicon Valley Bank and Signature Bank collapsed in the U.S. and Credit Suisse was forced into a takeover arrangement with UBS in Switzerland. Concerns pertaining to the sustainability of a few U.S. regional banks remain, yet the Federal Reserve set up liquidity programs to help bolster confidence in financial institutions. Borrowing from two lending facilities provided by the Fed to backstop banks declined from \$164.8 billion to \$152.6 billion over the final two weeks of March, a sign that conditions have stabilized.
 - Equity markets posted positive results in the first quarter of 2023, with large cap outperforming small and mid-size market cap stocks. The S&P 500 grew 7.5% during the quarter, with growth stocks leading value 9.6% to 5.2%, respectively, as growth companies were impacted positively by waning expectations of Fed rate increases in 2023. After a historic year of declines in 2022, the Bloomberg Aggregate Fixed Income index grew 3.0% in the first quarter. International stock indices also posted positive results over the quarter, with developed markets outperforming emerging markets. Similar to their domestic counterparts, growth stocks outperformed value.

Performance:

- The PCF's overall portfolio underperformed the benchmark by 14 bps.
- Risky Debt, Equities, and Private Real Estate lagged, while Core Fixed Income outperformed.

• For the past year:

Capital Markets:

• For investment grade fixed income markets, both ICE BofA 91 Day T-bills and Morningstar LSTA came in at 2.5%

• For equities, all asset classes had negative returns. S&P 500 - Growth came in at -15.3% which was the worst performing. Performance:

- The PCF's overall portfolio outperformed its relative benchmark, by 49 bps.
- Total Equity composite outperformed by 379 bps, returning -3.7% vs. -7.5% for the benchmark.

• For the past five years:

Capital Markets:

- For fixed income, Morningstar LSTA came in at 3.6%, followed by High Yield, 3.2%.
- The top equity asset performer was S&P 500 Growth at 11.9% followed by S&P 500 at 11.2%.

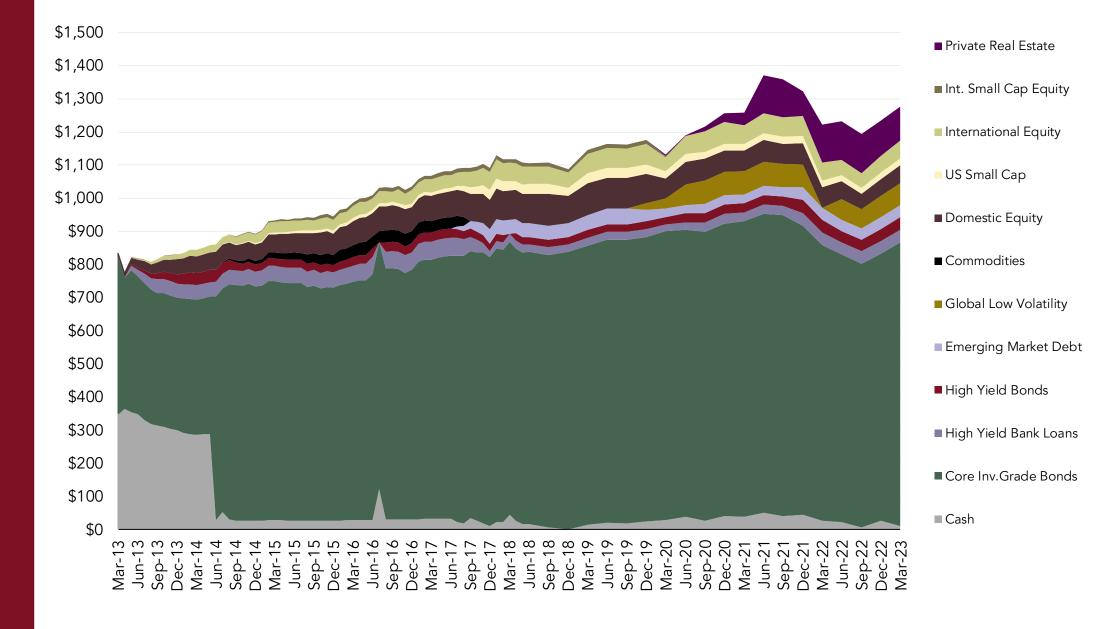
Performance:

• The PCF's overall portfolio performance came in at 2.5%

Principal, State of Louisiana, Cardinal



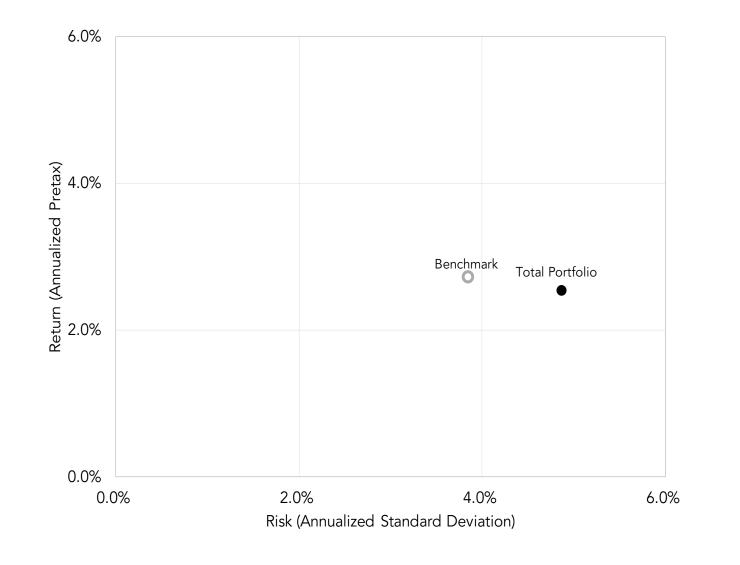
Total Company Allocation (\$MM)



Asset Allocation



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 0.19% on an annualized basis with a similar level of risk.

March 31, 2023

Performance

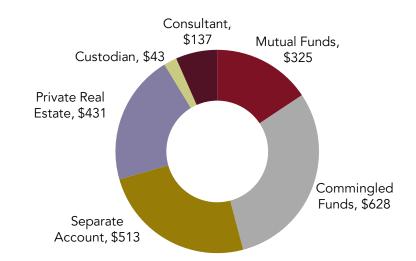
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Investment Fees by Vehicle

March 31, 2023

	3/31/2023	Estimated	Expense
	Market Value (\$MM)	Annual Fee (\$k)	Ratio
Mutual Funds	\$208	\$325	0.16%
Commingled Funds	\$100	\$628	0.63%
Separate Account	\$855	\$513	0.06%
Private Real Estate	\$103	\$431	0.42%
Cash	\$11	na	na
Custodian	na	\$43	0.00%
Consultant	na	\$137	0.01%
Total	\$1,277	\$2,078 Avg.	0.16%

Distribution of Fees (\$k)



Principal, Cardinal

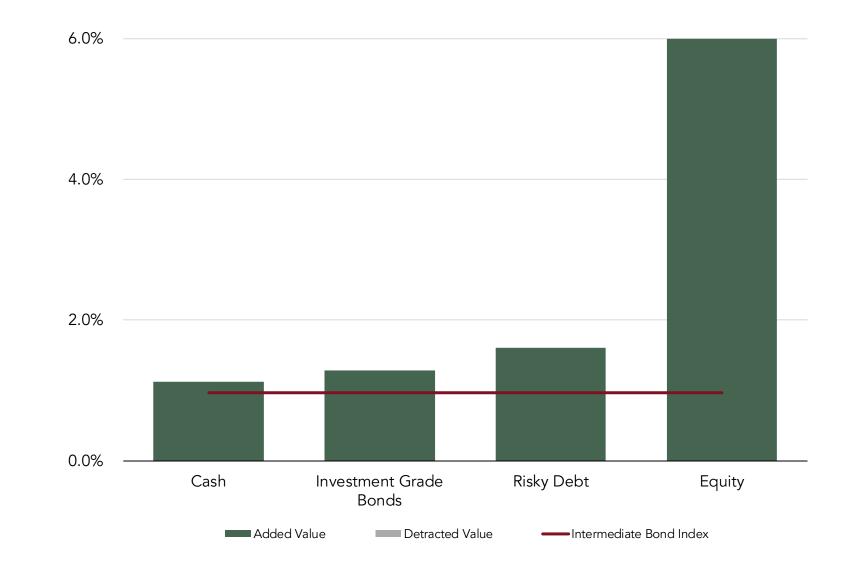
Estimated Annual Fees

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



Total Composites							Ne	et of Fee	S
Composite	Market Value (\$000s)	% Weight	Quarter	One Year	Three Years	Five Years	Ten Years	Since Inception	Inceptior Date
PCF Composite	(\$0000)	Worght		1041	rouro	10010	rouro		Dato
Pretax Performance	\$1,276,701	100.0%	2.39%	(2.62%)	2.39%	2.53%	2.47%	2.34%	Jan-12
Blended Benchmark ¹			<u>2.53%</u>	<u>(3.11%)</u>	<u>2.04%</u>	<u>2.72%</u>	<u>2.63%</u>	<u>2.90%</u>	
Relative Performance			(0.14%)	0.49%	0.35%	(0.19%)	(0.15%)	(0.56%)	
Cash									
WF Advantage Fund	\$11,355	0.9%	0.99%	2.84%	0.95%	1.13%	-	0.80%	Jan-15
ICE BofA 91 Day T-Bill			<u>1.05%</u>	<u>2.42%</u>	<u>0.80%</u>	<u>1.32%</u>	-	<u>0.96%</u>	
Relative Performance			(0.07%)	0.42%	0.15%	(0.19%)	-	(0.16%)	
Core Fixed Income Composite	\$854,527	66.9%	2.68%	(2.53%)	(1.12%)	1.28%	1.51%	1.54%	Jan-12
Blended Benchmark ²			<u>2.38%</u>	<u>(2.82%)</u>	<u>(1.99%)</u>	<u>0.96%</u>	<u>1.25%</u>	<u>1.47%</u>	
Relative Performance			0.30%	0.29%	0.87%	0.32%	0.26%	0.07%	
Risky Debt Composite	\$113,910	8.9%	2.65%	(3.30%)	4.19%	1.61%	2.52%	2.52%	Apr-13
Blended Benchmark ²			<u>2.91%</u>	(1.99%)	<u>4.90%</u>	<u>2.22%</u>	<u>2.96%</u>	<u>2.96%</u>	I
Relative Performance			(0.26%)	(1.30%)	(0.70%)	(0.62%)	(0.45%)	(0.45%)	
Total Equity Composite	\$194,249	15.2%	4.58%	(3.66%)	14.81%	6.13%	8.22%	9.16%	Nov-12
Blended Benchmark ²			<u>5.83%</u>	<u>(7.45%)</u>	<u>15.82%</u>	<u>6.20%</u>	<u>8.30%</u>	<u>9.26%</u>	
Relative Performance			(1.25%)	3.79%	(1.01%)	(0.06%)	(0.08%)	(0.10%)	
Private Real Estate Composite	\$102,659	8.0%	(3.71%)	(2.64%)	8.58%	-	-	8.59%	Jan-20
Blended Benchmark ²			<u>(3.33%)</u>	<u>(3.75%)</u>	<u>7.56%</u>	-	-	<u>7.58%</u>	
Relative Performance			(0.38%)	1.11%	1.02%	-	-	1.01%	
Principal State of Louisiana Cardinal									

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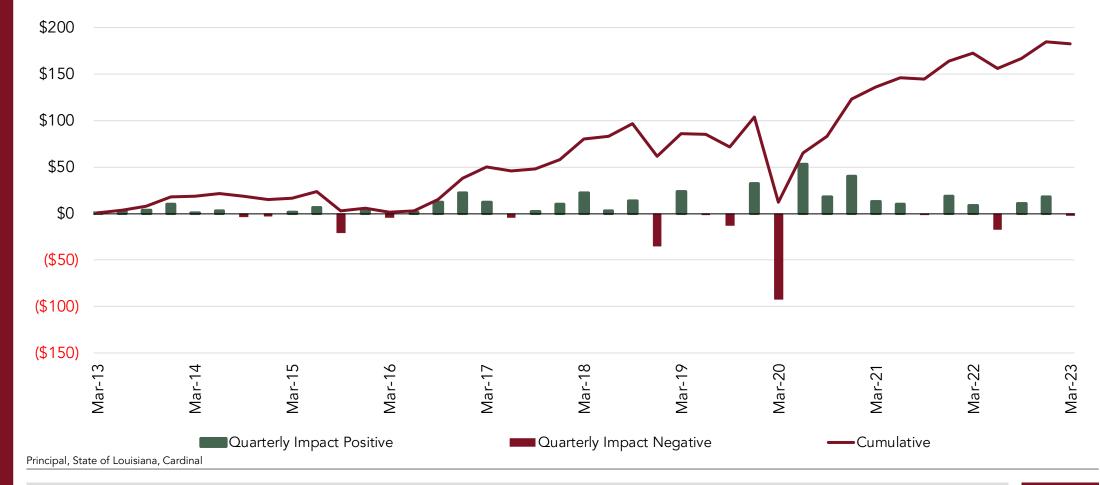
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Principal, State of Louisiana, Cardinal



Value added or (detracted) by the Diversified Portfolio



• Since inception, the diversified portfolio has added approximately \$183 MM above what the prior portfolio structure likely would have earned.

Five-Year Performance Attribution: Overall



	4.22%	2.72%	(0.18%)	(0.02%)	2.53%
(1.50%)					
Basic Policy Benchmark	Allocation Effect from Basic Policy	Benchmark Return using target-weights	Allocation Drift (Allocation Effect)	Manager Value Added (Selection Effect)	Actual Portfolio Return

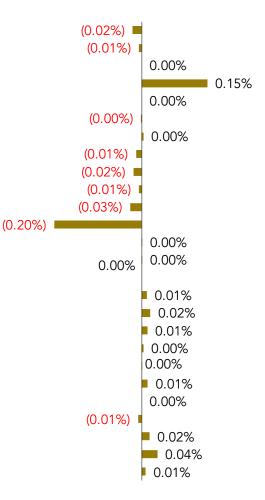
Principal, Cardinal

- Drift, or the Allocation effect was (0.18%) for the last five years.
- The PCF's investment managers have detracted (0.02%) in value overall on an annualized basis.

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Manager Value Added

Overall Wells Fargo Money Market Fixed Income - State of LA **GR NEAM** Lord Abbett Federated Inst. High Yield Vanguard High Yield Corporate Barings Capital Floating Rate PGIM Emerging Markets Debt **Emerging Markets** Goldman Sachs Emerging Vanguard Global Minimum Vanguard Russell 1000 Value Vanguard Total Stock Market DFA US Small Cap Vanguard Small-Cap S&P 600 Virtus KAR Small-Cap Core EuroPacific Growth Fund Harbor International PIMCO International StockPLUS City of London Vanguard Total International DFA International Small Cap Oppenheimer International Invesco US Income Fund LP **AEW Core Property Trust**



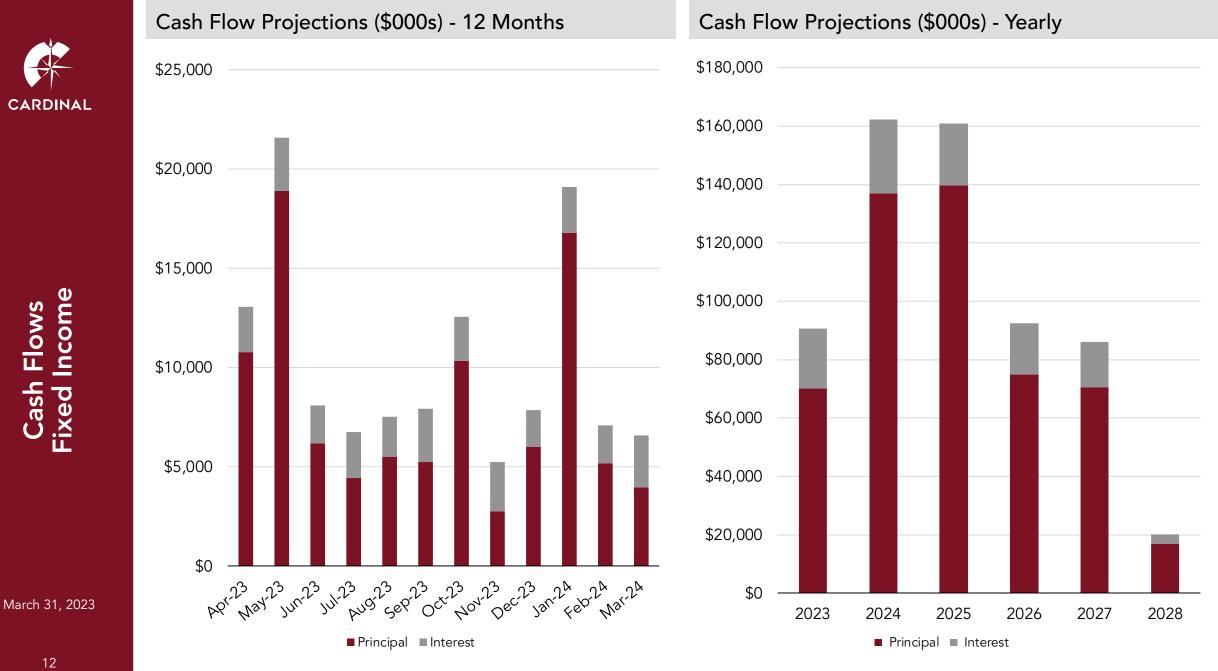
Allocation Effect



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 (+0.03%) annualized over the past five years.



Principal, State of Louisiana, NEAM, Cardinal

Principal, State of Louisiana, NEAM, Cardinal

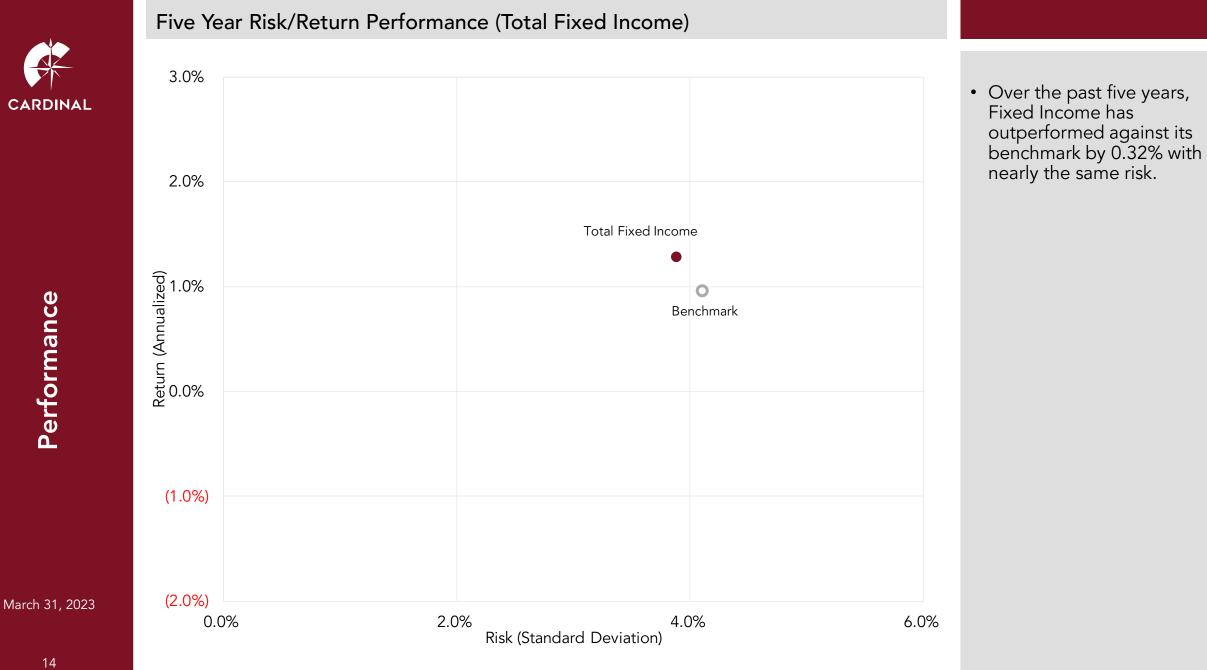
Fixed Income

Composite Core Fixed Income Composite Blended Benchmark ² Relative Performance	Market Value (\$000s) \$854,527	% Weight 66.9%	Quarter 2.68% <u>2.38%</u> 0.30%	One Year (2.53%) (2.82%) 0.29%	Three Years (1.12%) (1.99%) 0.87%	Five Years 1.28% <u>0.96%</u> 0.32%	Ten Years 1.51% <u>1.25%</u> 0.26%	Since Inception 1.54% <u>1.47%</u> 0.07%	Inception Date Jan-12
NEAM Bloomberg Int. Aggregate Index Relative Performance	\$854,527	66.9%	2.68% <u>2.38%</u> 0.30%	(2.53%) <u>(2.82%)</u> 0.29%	(1.12%) <u>(1.99%)</u> 0.87%	1.28% <u>0.96%</u> 0.32%	- - -	1.55% <u>1.16%</u> 0.40%	Jun-14

Principal, State of Louisiana, NEAM, Cardinal

- NEAM has outperformed by 35 bps over the past three years. It currently has a 50 basis point yield advantage compared to the index, so this bodies well for future performance.
- The Core Fixed Income Composite includes, in chronological order:
 - State of Louisiana fixed income,
 - Various mutual funds used transitionally,
 - JP Morgan, and NEAM.

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Principal, State of Louisiana, Cardinal



Characteristics

			BB Int.			
	NE	NEAM				
Characteristic	12/31/22	3/31/23	3/31/23			
Effective Duration	4.3 years	4.4 years	4.6 years			
Average Maturity	5.6 years	5.8 years	5.4 years			
Yield to Maturity	5.0%	4.9%	4.4%			
Average Quality	AA	AA	AA+			

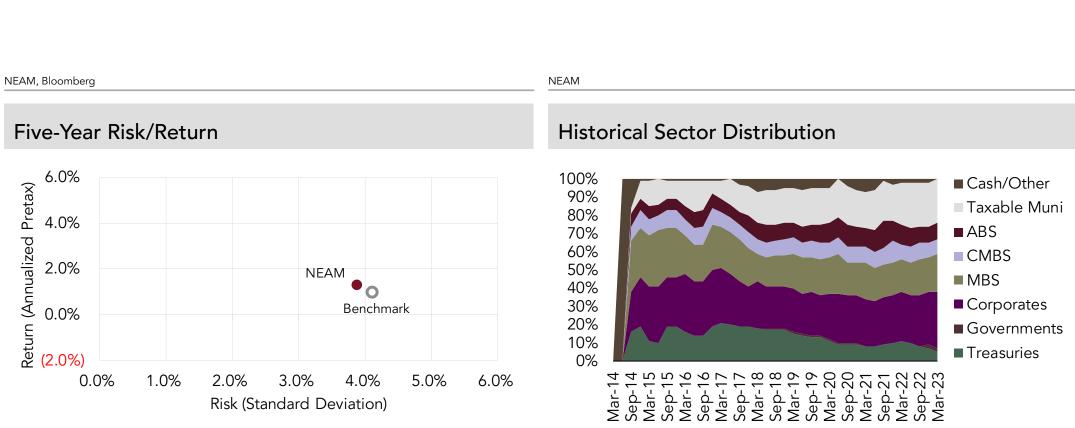
Mandate and Objective

- 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

Characteristics NEAM

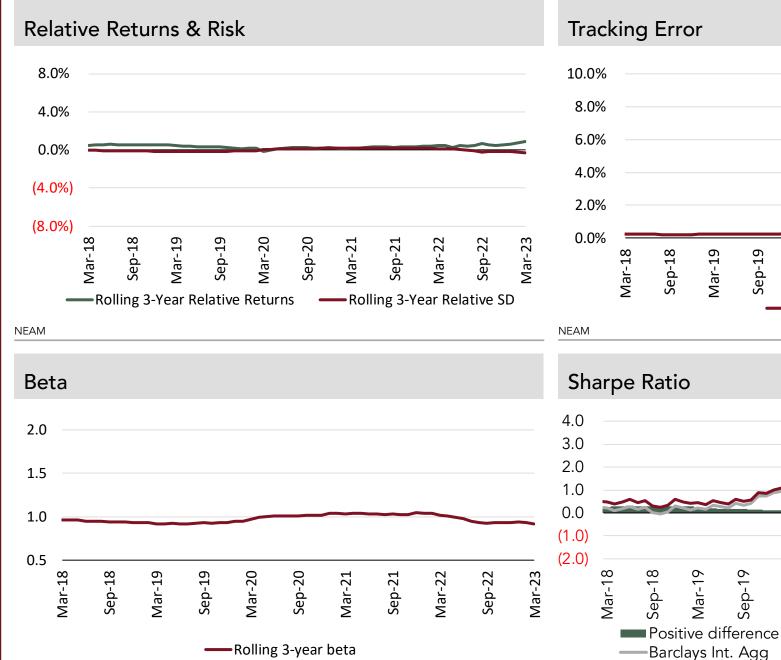
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Characteristics NEAM



Sep-19 Mar-20 Sep-20 Mar-21 Sep-21 Mar-22 Sep-22 Mar-23 Tracking Error

Sep-19

Mar-20

Sep-20

Mar-21

Sep-22

Mar-22

Negative difference

Sep-21

-NEAM

Mar-23





High Yield Bank Loan

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	Market Value			One	Three	Five	Ten	Since	Inception
Composite	(\$000s)	Weight	Quarter	Year	Years	Years	Years	Inception	Date
High Yield Bank Loan Composite	\$39,768	3.1%	3.37%	1.05%	7.27%	2.88%	3.11%	3.11%	Apr-13
Morningstar LSTA Index			<u>3.07%</u>	<u>1.89%</u>	<u>7.83%</u>	<u>2.97%</u>	<u>3.25%</u>	<u>3.25%</u>	
Relative Performance			0.30%	(0.83%)	(0.56%)	(0.09%)	(0.14%)	(0.14%)	
Barings Capital Floating Rate Income	\$39,768	3.1%	3.37%	1.05%	7.27%	2.88%	-	3.53%	Aug-16
Morningstar LSTA Index			<u>3.07%</u>	<u>1.89%</u>	<u>7.83%</u>	<u>2.97%</u>	-	<u>3.49%</u>	
Relative Performance			0.30%	(0.83%)	(0.56%)	(0.09%)	-	0.04%	

Principal, Barings, Cardinal

- High Yield Bank Loan Composite underperformed for all time periods except the current quarter.
- Since inception Barings has outperformed the benchmark by



Characteristics

Barings, Morningstar

\$60,000

\$50,000

\$40,000

\$30,000

\$20,000

\$10,000

\$0

Asset Growth (\$000s)

			Morningstar
	Barings	s HYBL	S&P LSTA
Characteristic	12/31/22	3/31/23	3/31/23
Number of Issues	316	316	1,365
Average Maturity	4.4 years	4.3 years	NA
Average Spread	386 bps	390 bps	373 bps
Avg Credit Quality	В	B+	BB

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%

Barings, Morningstar

Top Ten Holdings

Holding	Weight
Asurion	1.1%
Athenahealth, Inc	1.1%
Attice USA, Inc	1.1%
Medline	1.0%
Clear Channel Worldwide Inc	0.9%
Misys	0.9%
Kenan Advantage	0.9%
DIRECTB	0.9%
Internet Brands Inc	0.8%
Grifols	0.8%
Total	9.4%

Characteristics Barings



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Barings, Morningstar

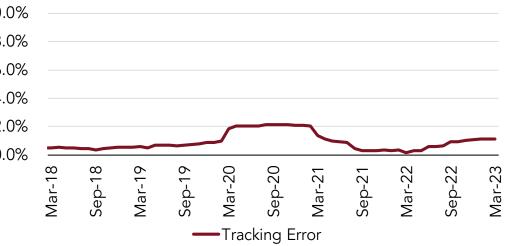


Characteristics Barings

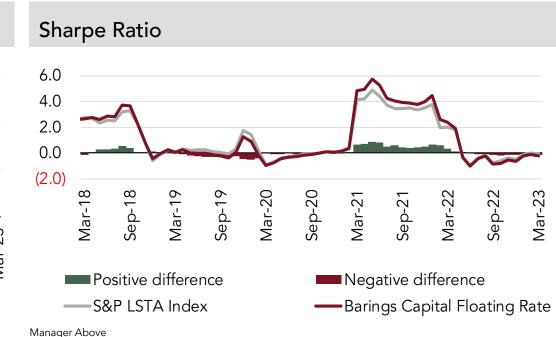
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Tracking Error







Manager Above



High Yield Bond

Composite	Market Value (\$000s)	% Weight	Quarter	One Year	Three Years	Five Years	Ten Years	Since Inception	Inception Date
High Yield Bond Composite	\$37,729	3.0%	3.34%	(3.13%)	4.90%	3.07%	-	3.33%	May-13
Blended Benchmark ²			<u>3.64%</u>	<u>(3.62%)</u>	<u>5.67%</u>	<u>2.92%</u>	-	<u>3.54%</u>	
Relative Performance			(0.30%)	0.49%	(0.78%)	0.15%	-	(0.21%)	
Federated Institutional High Yield Bond BofA U.S. High Yield Cash Pay Index Relative Performance	\$18,700	1.5%	3.50% <u>3.64%</u> (0.14%)	(4.31%) (<u>3.62%)</u> (0.69%)	5.06% <u>5.67%</u> (0.61%)	2.88% <u>2.92%</u> (0.04%)	- - -	2.88% <u>2.92%</u> (0.04%)	Apr-18
Vanguard High Yield Corporate Fund BofA U.S. High Yield Cash Pay Index Relative Performance	\$19,029	1.5%	3.18% <u>3.64%</u> (0.46%)	(1.94%) <u>(3.62%)</u> 1.68%	4.73% <u>5.67%</u> (0.94%)	3.25% <u>2.92%</u> 0.33%	- - -	3.25% <u>2.92%</u> 0.33%	Apr-18

Principal, Federated, Vanguard, Cardinal

- The High Yield Bond Composite underperformed the benchmark for all reporting time periods except the one year and five year periods.
- Federated underperformed for all time periods, while Vanguard only lagged for quarter and three year period.

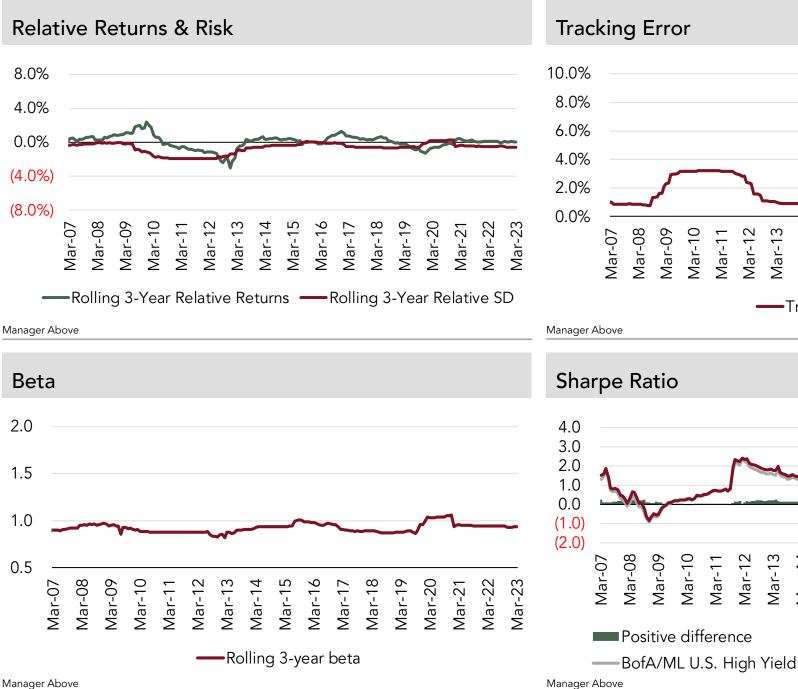
Performance

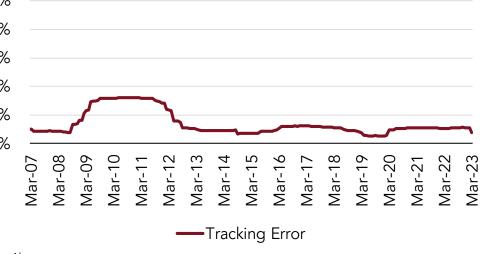
	Characteristics			Mandate and Objective	
CARDINAL	Characteristic No. of Holdings Average Duration Avg. Credit Quality Avg. Yield to Maturity Average Coupon	Federated12/31/223/31/235615604.1 years3.9 yearsBB5.2%4.9%5.9%8.3%	ICE BofA U.S. High Yield 3/31/23 2,021 3.8 years BB- 5.7% 7.9%	 Mutual Fund (FIHBX) Actively Managed High Yield Inception: April 2018 Objective: Exceed total return Pay Annual Fee 0.500% 	Bond Fund n of the ICE BofA U.S. High Yield Cash
Characteristics Federated High Yield Bond	Federated, Merrill Lynch Asset Growth (\$0)00s)		Federated, Merrill Lynch Quality Distribution	
Char Federated	\$24,000 \$20,000 \$16,000 \$12,000 \$8,000 \$4,000			BBB 1.9% 9.4% BB 9.4% B Below B	26.0% 52.2% 41.5% 29.7% 25.8%
March 31, 2023	\$0			8.1%	■ Federated High Yield
21	Federated Werrill The Part - 18 Dec - 18 Mart	Jun-19 Sep-19 Dec-19 Mar-20 Sep-20 Dec-20 Mar-21	Jun-21 Sep-21 Dec-21 Mar-22 Jun-22 Sep-22 Dec-22 Mar-23	Not Rated/Other 4.8% 0.5% Federated, Merrill Lynch	■ ICE BofA U.S. High Yield



Bond Federated High Yield **Characteristics**

March 31, 2023





Mar-14

Mar-15

Mar-16

Mar-17

----Federated

Mar-13

Mar-18

Negative difference

Mar-20

Mar-19

Mar-22

Mar-21

Mar-23

Manager Above

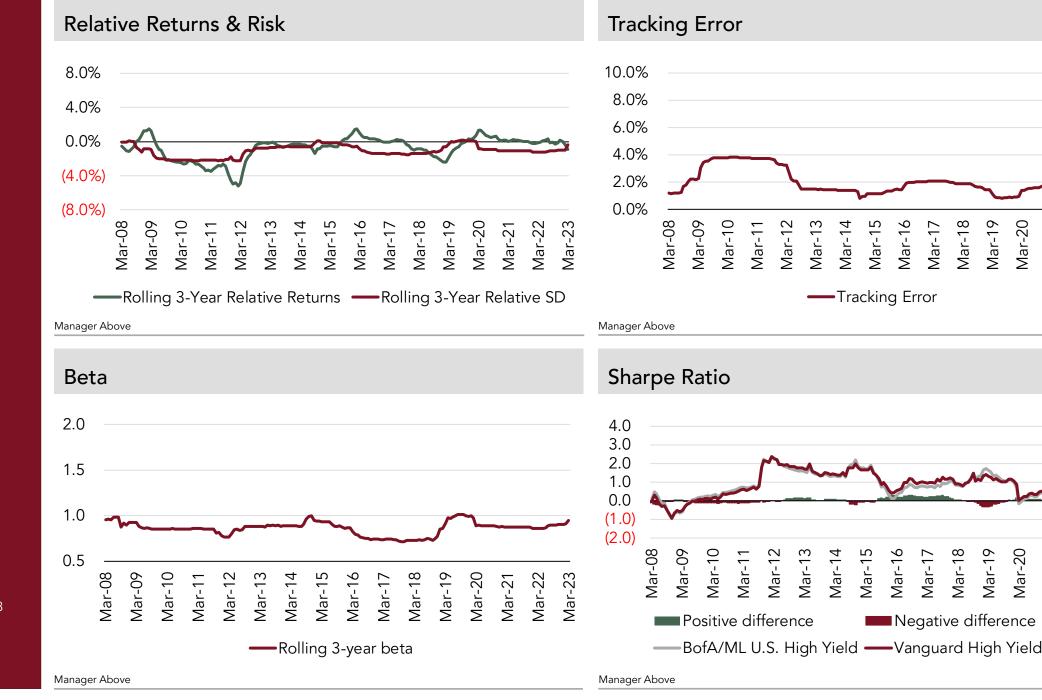
	Characteristics			Mandate	
CARDINAL	Characteristic No. of Holdings Average Duration Avg. Credit Quality Avg. Yield to Maturity Average Coupon	Vanguard HY12/31/223/31/237467973.9 years3.8 yearsBBBB5.6%5.2%4.9%5.0%	ICE BofA U.S. High Yield 3/31/23 2,021 3.8 years BB- 5.7% 5.9%	 Fund (VWEAX) Passively managed High Yield E Inception: April 2018 Objective: Exceed total return of Pay Index Annual fee 0.130% 	Bond Fund of the ICE BofA U.S. High Yield Cash
	Vanguard, ICE BofA Asset Growth (\$000)s)		Vanguard, ICE BofA Quality Distribution	
Characteristics Vanguard High Yield	\$24,000 \$20,000 \$16,000 \$12,000 \$8,000 \$4,000			AAA 0.0% 5.8% AA 2.3% 0.0% A 0.1% 0.0% BBB 6.7% 9.4% BB	Vanguard High Yield ICE BofA U.S. High Yield 49.0% 52.2% 33.4% 29.7%
March 31, 2023	Mar-19 Jun-19 Sep-19 Dec-19 Mar-20	Jun-20 Sep-20 Dec-20 Jun-21 Sep-21 Dec-21	Mar-22 Jun-22 Sep-22 Dec-22 Mar-23	Below B Not Rated/Other	27.776
23	Aar-1 Jun-1 Dec-1 Mar-2 Aar-2 Aar-2	S De Ju S S Ju S S Ju S S Ju	Na Sej Ma	Vanguard, ICE BofA	

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Characteristics Vanguard High Yield Bond

March 31, 2023



Mar-22

Mar-22

Mar-21

Mar-23

Mar-23

Mar-21



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	\$36,412	2.9%	1.17%	(7.98%)	0.52%	(0.98%)	-	(0.71%)	Aug-17
50% EMBI Global / 50% CEMBI Broad			<u>2.00%</u>	<u>(4.46%)</u>	<u>1.10%</u>	<u>0.38%</u>	-	<u>0.49%</u>	
Relative Performance			(0.82%)	(3.53%)	(0.58%)	(1.36%)	-	(1.20%)	
PGIM Emerging Market Debt 50% EMBI Global / 50% CEMBI Broad Relative Performance	\$36,412	2.9%	1.17% <u>2.00%</u> (0.82%)	(7.88%) <u>(4.46%)</u> (<mark>3.43%)</mark>	- - -	- - -	- - -	(3.60%) <u>(2.78%)</u> (0.82%)	Jul-20

Principal, Goldman Sachs, Prudential, Cardinal

- Emerging Market Debt has underperformed for all reporting time periods.
- Prudential underperformed since inception by 82 bps.

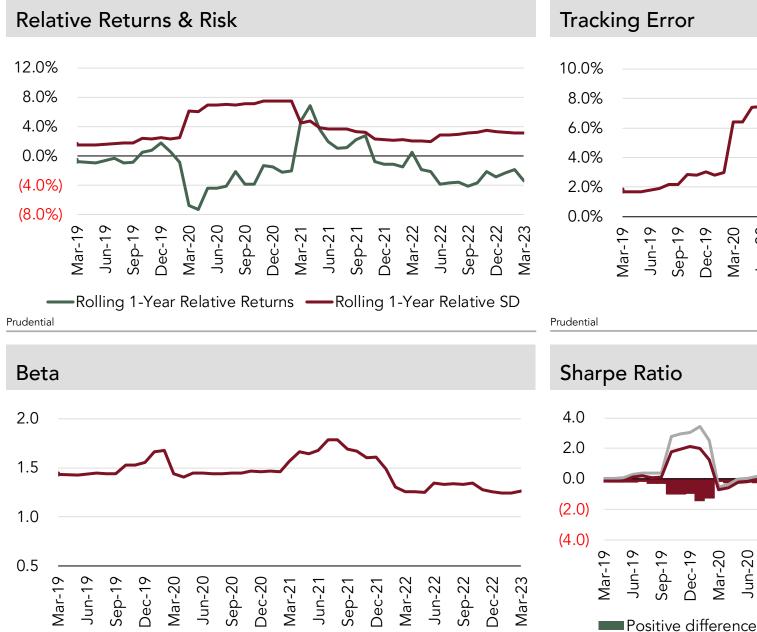
	Characteristics			Mandate
Emerging Markets Fund	Pruder <u>Characteristic</u> 12/31 No. of Holdings 517 Effective Duration 6.9 ye Effective Maturity 11.3 y Avg. Credit Quality BE Yield 8.50	ears 7.1 years ears 11.8 years BB	50% EMBI Global / 50% CEMBI Broad Div. 3/31/23 2,844 7.1 years 11.9 years BBB 7.2%	 Fund (PDHQX) Inception: July 2020 Objective: Exceed total return of JPM 50% EMBI Global Diversified /50% CEMBI Broad Diversified Annual fee 0.65%
Characteristics tial Emerging N Fund	Prudential One-Year Risk/Return)		Prudential Quality Distribution
Chara Prudential En F	(Total Second Se	Benchmark	• rudential	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
March 31, 2023 26	- 0.0% 5.0%	6 10.0% 1 Risk (Standard Deviatior	5.0% 20.0% n)	Below B Cash/Other 0.1% 6.8% PGIM Emerging Market 0.1% 5.2% 50% EMBI Global / 50% CEMBI



Prudential Emerging Markets Fund **Characteristics**

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-----Rolling 1-year beta



—Tracking Error

Sep-20

-50% EMBI / 50% CEMBI

Dec-20

Mar-21

Jun-21

Sep-21

Sep-22

Dec-22

Jun-22

Mar-22

Dec-21

Negative difference

---- Prudential Emerg.

Mar-23

Prudential

tial

Prudential



Equity and Global Low Volatility

Composite Total Equity Composite Blended Benchmark ²	Market Value (\$000s) \$194,249	% Weight 15.2%		One Year (3.66%) (7.45%)		Five Years 6.13%	Ten Years 8.22%	Since Inception 9.16%	Inception Date Nov-12
Relative Performance			<u>5.83%</u> (1.25%)	<u>(7.4576)</u> 3.79%	<u>15.82%</u> (1.01%)	<u>6.20%</u> (0.06%)	<u>8.30%</u> (0.08%)	<u>9.26%</u> (0.10%)	
Domestic Equity Composite Blended Benchmark ² Relative Performance	\$75,189	5.9%		(5.82%) <u>(8.76%)</u> 2.94%		9.78% <u>8.48%</u> 1.30%	11.03% <u>10.39%</u> 0.64%	11.88% <u>11.28%</u> 0.59%	Nov-12
International Equity Composite Blended Benchmark ² Relative Performance	\$54,137	4.2%	7.27% <u>6.40%</u> 0.87%	(4.80%) <u>(5.80%)</u> 1.00%	13.59% <u>12.57%</u> 1.03%	3.05% <u>2.24%</u> 0.82%	- - -	4.14% <u>3.90%</u> 0.23%	May-13
Vanguard Global Minimum Volatility FTSE All-World Index Relative Performance	\$64,922	5.1%	1.45% <u>7.10%</u> (5.65%)	(0.20%) <u>(7.47%)</u> 7.28%	9.70% <u>15.23%</u> (5.53%)	- - -	- - -	1.72% <u>6.79%</u> (5.06%)	Dec-19

Principal, Cardinal

The Equity composite underperformed for all time periods except the one-year period.

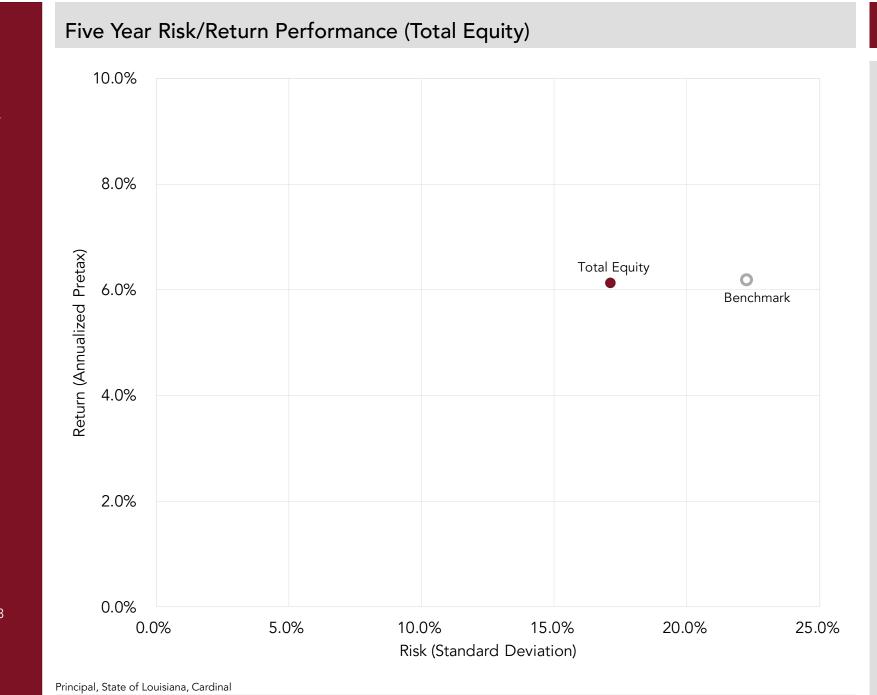
- Over the past five years:
 - The equity portfolio earned 6.13%.
 - US equities did well, earning 9.78%.
 - International equities earned 3.05%.

Performance

CARDINAL

Performance

March 31, 2023



• Over the past five years, Total Equity has underperformed its benchmark by 0.06%.

CARDINAL

March 31, 2023

Composite Domestic Equity Composite	Market Value (\$000s) \$75,189	% Weight 5.9%		One Year (5.82%)	Three Years 19.21%	Five Years 9.78%	Ten Years 11.03%	Since Inception 11.88%	Inception Date Nov-12
Blended Benchmark ² Relative Performance	\$75,107	J.7/0	<u>4.35%</u> 1.13%	(3.82%) (8.76%) 2.94%	<u>18.30%</u> 0.91%	<u>8.48%</u> 1.30%	<u>10.39%</u> 0.64%	<u>11.28%</u> 0.59%	1100-12
Vanguard Total Stock Market Fund Russell 3000 Index Relative Performance	\$36,237	2.8%	7.15% <u>7.16%</u> (0.01%)	(8.77%) <u>(8.64%)</u> (0.13%)	<u>18.43%</u>	10.37% <u>10.41%</u> (0.04%)	<u>11.70%</u>	12.54% <u>12.55%</u> (0.01%)	Nov-12
Vanguard Russell 1000 Value Fund Russell 1000 Value Index Relative Performance	\$18,413	1.4%	1.00% <u>0.98%</u> 0.02%	(5.98%) <u>(6.00%)</u> 0.02%	17.86% <u>17.86%</u> (0.00%)	<u>7.43%</u>	- -	7.72% <u>7.71%</u> 0.01%	May-14
US Small Cap Equity Composite Blended Benchmark ² Relative Performance	\$20,539	1.6%	6.82% <u>2.71%</u> 4.11%	(0.03%) <u>(11.72%)</u> 11.69%	21.28% <u>17.40%</u> 3.89%	9.89% <u>4.61%</u> 5.27%	-	9.56% <u>3.97%</u> 5.59%	Mar-18
Vanguard Small Cap S&P 600 Russell 2000 Index Relative Performance	\$9,267	0.7%	2.56% <u>2.71%</u> (0.15%)	(8.89%) <u>(11.72%)</u> 2.83%	21.70% <u>17.40%</u> 4.30%	6.28% <u>4.61%</u> 1.67%	- - -	5.81% <u>3.97%</u> 1.84%	Mar-18
Virtus KAR Small Cap Core Russell 2000 Index Relative Performance	\$11,272	0.9%	10.59% <u>2.71%</u> 7.89%	8.65% <u>(11.72%)</u> 20.37%	20.32% <u>17.40%</u> 2.93%	13.06% <u>4.61%</u> 8.45%	- - -	12.90% <u>3.97%</u> 8.93%	Mar-18

Net of Fees

Principal, Vanguard, Cardinal

Domestic Equity

30



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

March 31, 2023

31

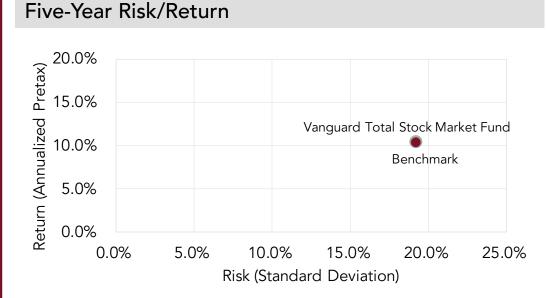
			1
	Vanguaro		
	Mark	Russell 3000	
Characteristic	12/31/22	3/31/23	3/31/23
No. of Holdings	3,992	3,907	2,928
P/E Ratio	18.1x	19.7x	19.6x
Price/Book Ratio	3.3x	3.5x	3.5x
Avg Mkt Cap (\$B)	\$109.5	\$120.2	\$121.4
Return on Equity	19.6%	22.3%	22.3%
% in Top 10 Holdings	21.4%	24.2%	23.2%

Mandate and Objective

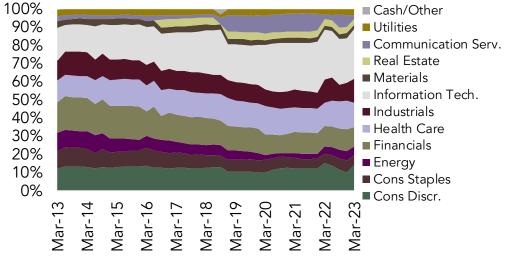
- Passively managed equity index fund (VITSX)
- Inception: November 2012
- Objective: Match performance of the Russell 3000 Index
- Annual Fee = 0.030%

Vanguard, Russell

Characteristics



Historical Sector Distribution



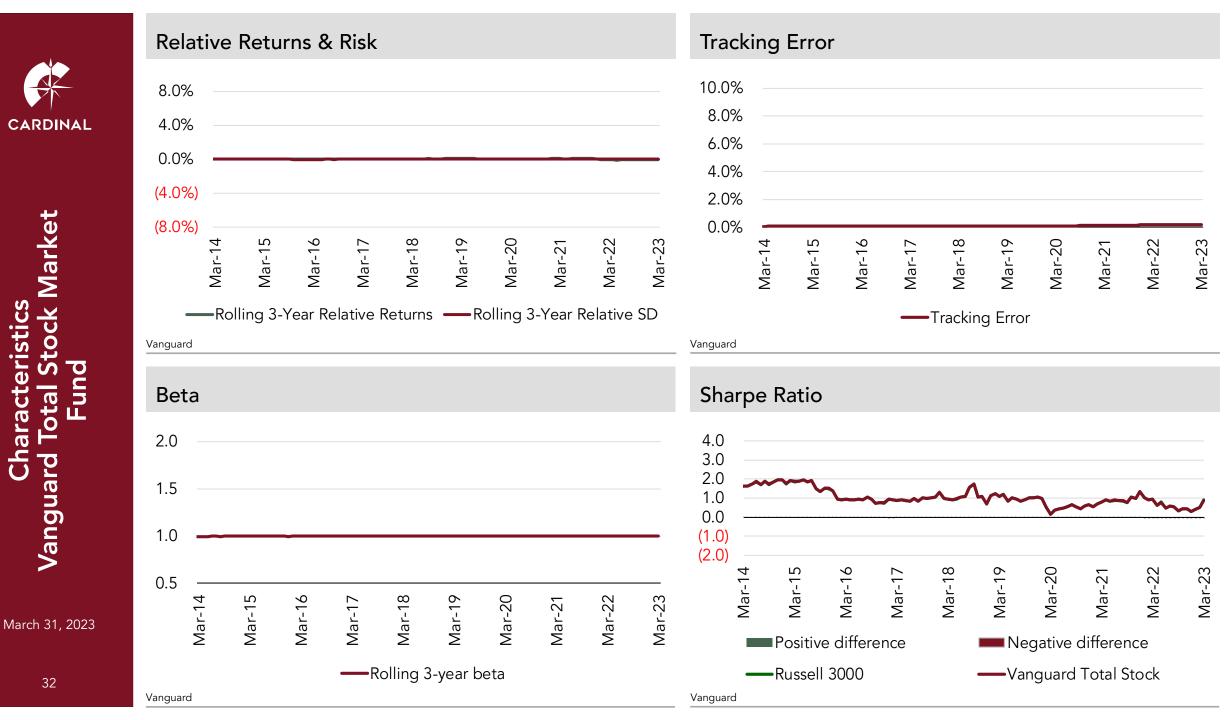
Vanguard, Russell

Vanguard



Vanguard

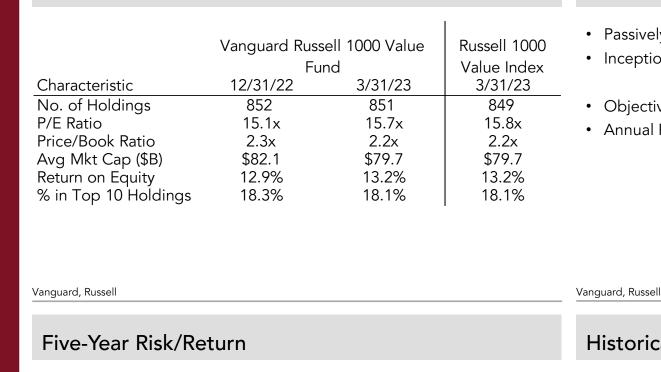
32





1000 Value <u>Characteristics</u> Vanguard Russell Fund

March 31, 2023



8.0%

4.0%

Vanguard Russell 1000 Value Fund

12.0%

Standard Deviation

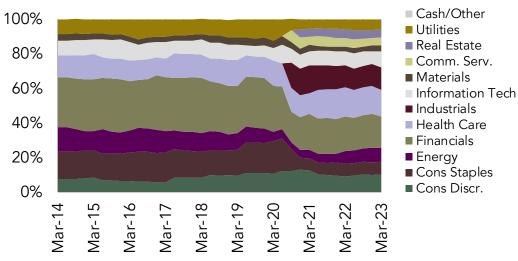
Benchmark

16.0%

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%

Historical Sector Distribution



Vanguard, Russell

Annualized Returns

15.0%

10.0%

5.0%

0.0%

0.0%

Characteristics

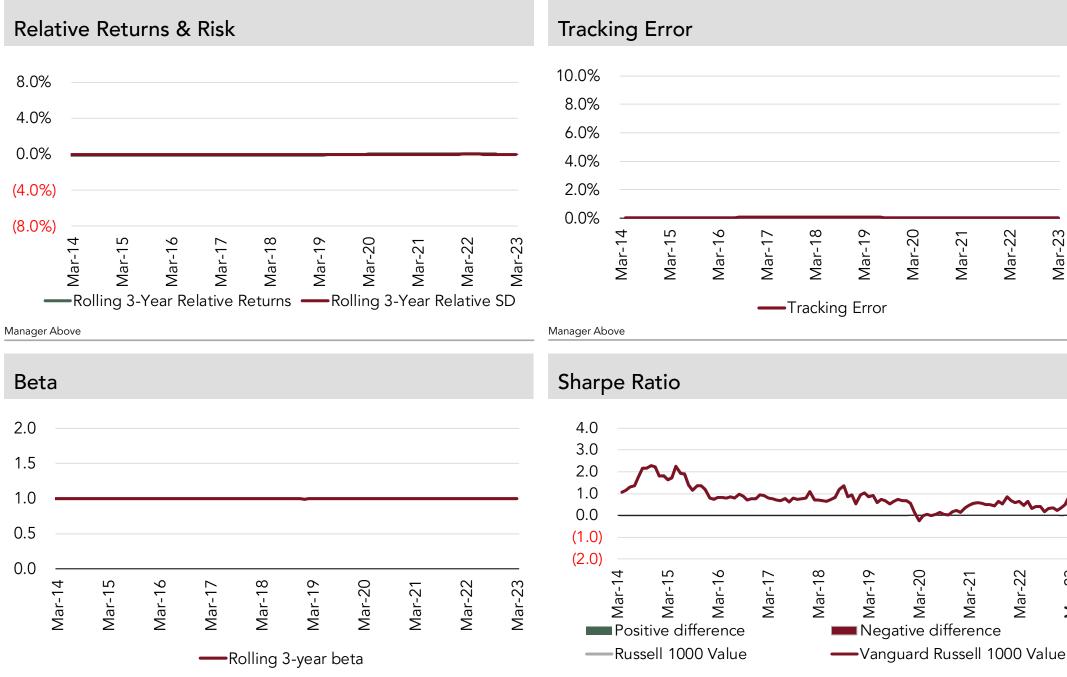
20.0%

33_



Value 1000 Characteristics Vanguard Russell Fund

March 31, 2023



Manager Above

Manager Above

Mar-20

Mar-20

Mar-22

Mar-22

Mar-21

Mar-23

Mar-21

Mar-23



Small Cap S&P 600 Fund **Characteristics** Vanguard

DINAL

	Vanguard S	Russell 2000		
Characteristic	12/31/22	3/31/23		
No. of Securities	604	604	2,000	
P/E Ratio	11.2x	12.0x	11.7x	
Price/Book Ratio	1.7x	1.6x	2.6x	
Avg Mkt Cap (\$B)	\$2.3	\$2.3	\$2.8	
% in Top 10 Holdings	5.7%	5.7%	3.1%	

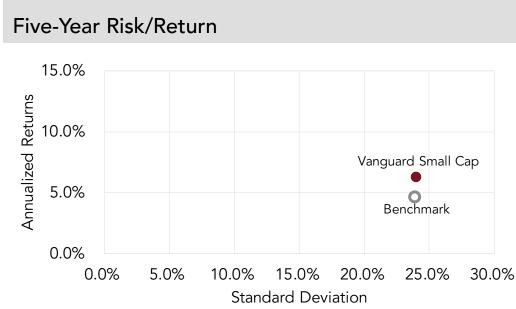
Mandate

Vanguard

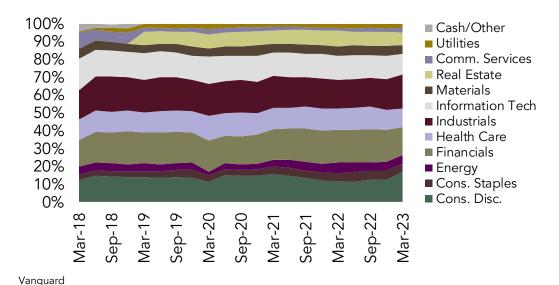
- Passively managed equity index fund (VSMSX)
- Inception: March 2018
- Objective: Exceed performance of the Russell 2000 Index
- Annual Fee = 0.08%

Vanguard, Russell

Characteristics



Historical Sector Distribution



Vanguard, Russell



Characteristics rd Small Cap S&P 600 σ Small Fund Vanguard

Relative Returns & Risk Tracking Error 10.0% 8.0% 6.0% 8.0% 4.0% 6.0% 2.0% 4.0% 0.0% 2.0% (2.0%)(4.0%) 0.0% Mar-15 Mar-16 Mar-19 Mar-20 Mar-18 Mar-22 Mar-23 Mar-17 Mar-16 Mar-21 Mar-15 Mar-17 Mar-18 Mar-19 Mar-20 -Rolling 3-Year Relative Returns -Rolling 3-Year Relative SD -Tracking Error Manager Above Manager Above Sharpe Ratio Beta 2.0 4.0 2.0 1.5 0.0 1.0 (2.0)0.5 Mar-15 Mar-16 Mar-17 Mar-18 Mar-19 Mar-20 Mar-16 Mar-18 Mar-19 Mar-20 Mar-22 Mar-15 Mar-17 Mar-21 Mar-23 Positive difference Negative difference —Vanguard Small Cap S&P 600 -Rolling 3-year beta Manager Above Manager Above

Mar-23

Mar-22

Mar-22

Mar-21

Mar-23

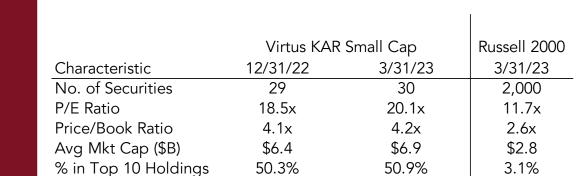
Mar-21



Characteristics Virtus Kar Small Cap Fund

March 31, 2023

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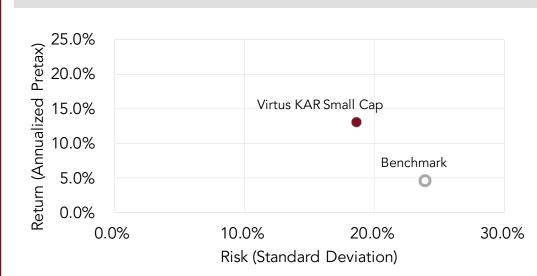
Mandate and Objective

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

Five-Year Risk/Return

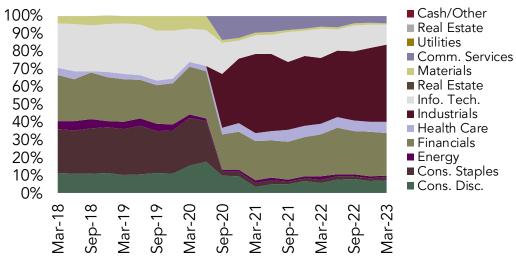
Vanguard, Russell

Characteristics



Vanguard, Russell

Historical Sector Distribution



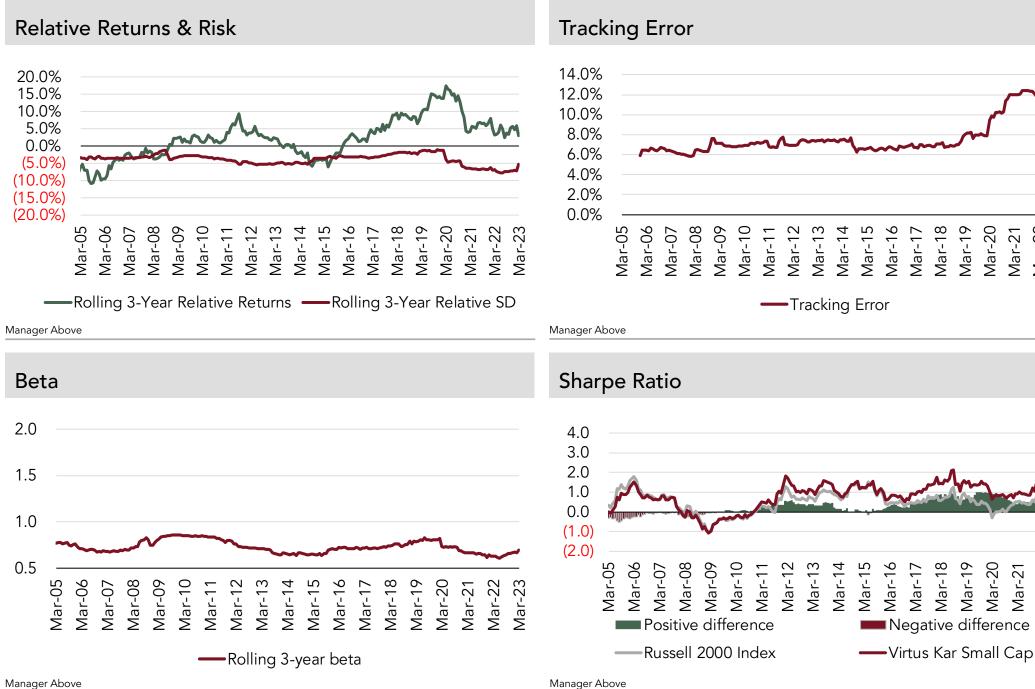
Vanguard, Russell



Virtus Kar Small Cap Fund Characteristics

March 31, 2023

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Mar-20 Mar-21

Mar-20

Mar-22 Mar-23

Mar-21

Mar-23 Mar-22



% Market Value One Three Five Since Ten Inception Composite (\$000s) Weight Quarter Year Years Years Years Inception Date **International Equity Composite** \$54,137 4.2% 7.27% (4.80%) 13.59% 3.05% 4.14% May-13 -Blended Benchmark² (5.80%) 12.57% 6.40% 2.24% 3.90% -**Relative Performance** 0.87% 1.00% 1.03% 0.82% 0.23% -Vanguard Total International Stock Fd \$28,332 2.2% 6.65% (4.60%) 12.70% 2.53% 4.14% May-13 -FTSE Global All Cap ex US Index 6.40% <u>(5.80%)</u> 12.37% 2.52% 4.05% -**Relative Performance** 0.25% 1.20% 0.33% 0.02% 0.09% -City of London \$12,555 1.0% 5.99% (6.89%) 15.91% 3.34% Aug-18 --FTSE Global All Cap ex US Index 6.40% (5.81%) 12.36% 2.78% --**Relative Performance** (0.41%) (1.08%) 3.55% 0.56% EuroPacific Growth Fund \$13,250 1.0% 9.88% (3.26%) 12.15% 4.08% Jul-18 _ -<u>(5.81%)</u> <u>12.36%</u> FTSE Global All Cap ex US Index 6.40% 3.21% -**Relative Performance** 3.49% 2.55% (0.21%) 0.87% _

Net of Fees

March 31, 2023

Performance

International Equity

	Characteristics			 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% 				
ational	Characteristic No. of Holdings P/E Ratio Price/Book Ratio Avg Mkt Cap (billion) Dividend Yield Return on Equity % in Top 10 Holdings	Vanguard Total Intl Structure Fund 12/31/22 3/31/ 7,844 7,97 11.2x 12.5 1.5x 1.6 \$68.1 \$75 3.3% 3.29 12.4% 12.3 9.2% 9.69	Cap ex US Index 3/31/23 6 7,715 5 12.6x x 1.6x 5 \$75.3 % 3.2% % 12.3%					
d Total International Stock Fund	Vanguard, FTSE Five-Year Risk/Re	turn		Vanguard, FTSE Historical Regions Distribution				
Vanguard To Sto	4.0% 4.0% 9.0%	Vanguard Total Ir	Benchmark OD nternational Stock Fund	100% 90% 80% 70% 60% 50% 40% 30% 20% 10%	 Other Emerging Markets Japan Pacific Basin Ex-Japan Europe Ex-UK United Kingdom North America 			
ch 31, 2023 40		5.0% 10.0% Risk (Standard Devi	15.0% 20.0% ation)	Mar-13 Mar-14 Mar-15 Mar-16 Mar-16 Mar-17 Mar-20 Mar-20 Mar-22 Mar-22	■ Cash			

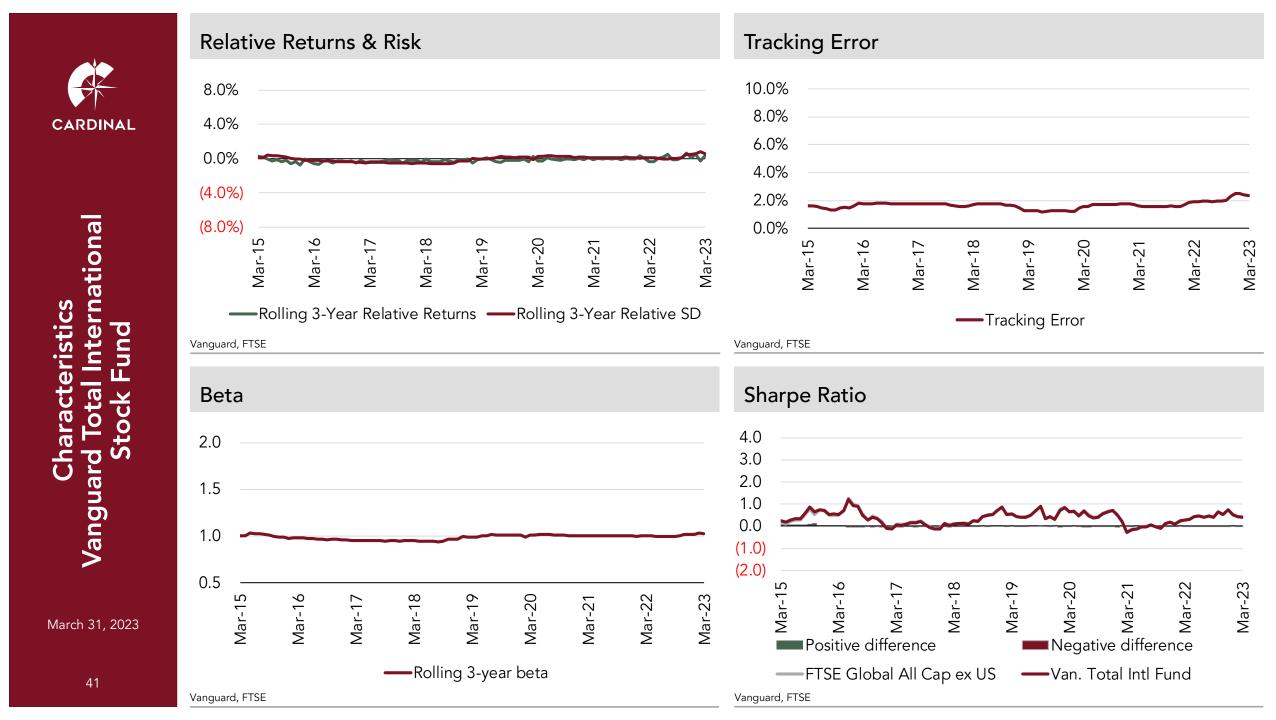
Vanguard, FTSE

Characteristics

CA

March

Vanguard, FTSE



CARDINAL

Characteristics

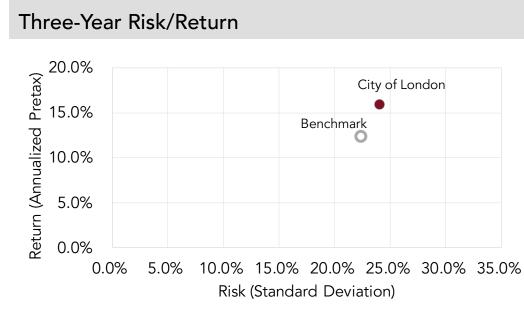
	City of I	ondon	FTSE Global All Cap ex-US Index
	5		
Characteristic	12/31/22	3/31/23	3/31/23
No. of Holdings	49	51	7,715
P/E Ratio	13.2x	14.2x	12.6x
Price/Book Ratio	1.6x	1.7x	1.6x
Avg Mkt Cap (\$B)	\$16.8	\$23.0	\$22.2
Dividend Yield	2.7%	2.6%	3.2%
Return on Equity	12.1%	11.9%	12.3%
% in Top 10 Holdings	35.4%	37.3%	9.6%

Mandate and Objective

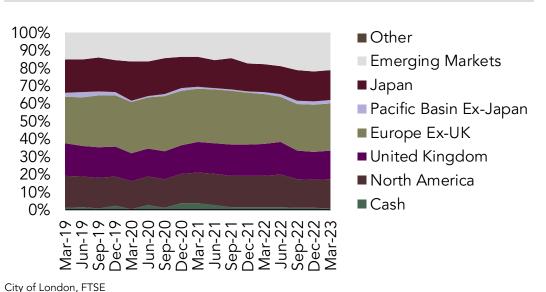
- Actively managed International Equity Commingled Fund
- Inception: August 2018
- Objective: Exceed total return of the FTSE Global All Cap ex U.S.
- Annual Fee = 0.70%

City of London, FTSE

City of London, FTSE



Historical Regions Distribution

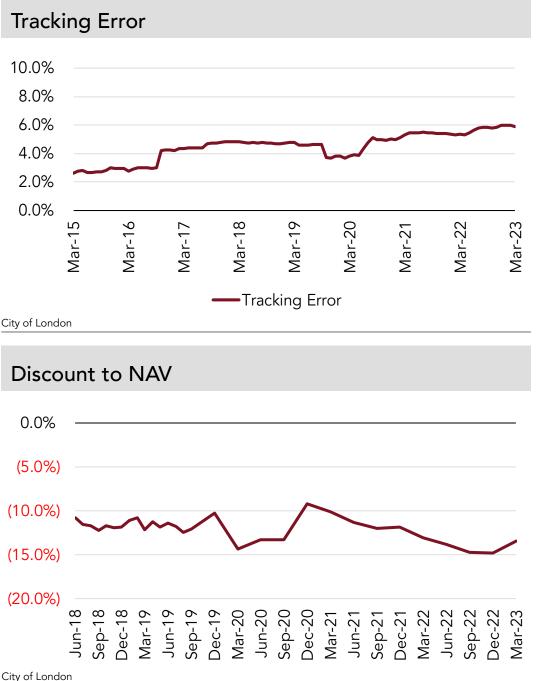


Characteristics City of London

March 31, 2023



Relative Returns & Risk 10.0% 8.0% 8.0% 4.0% 6.0% 0.0% 4.0% (4.0%) 2.0% (8.0%) 0.0% Mar-20 Mar-18 Mar-22 Mar-23 Mar-15 Mar-16 Mar-19 Mar-21 Mar-17 -Rolling 3-Year Relative Returns -Rolling 3-Year Relative SD City of London City of London Beta 2.0 0.0% 1.5 (5.0%) (10.0%) 1.0 (15.0%) 0.5 Mar-20 Mar-22 Mar-15 Mar-16 Mar-19 Mar-23 Mar-17 Mar-18 Mar-21 (20.0%) ----Rolling 3-year beta



Characteristics City of London

March 31, 2023

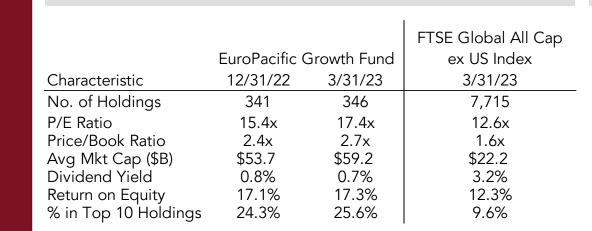
City of London

CARDINAL

EuroPacific Growth Fund **Characteristics**

March 31, 2023

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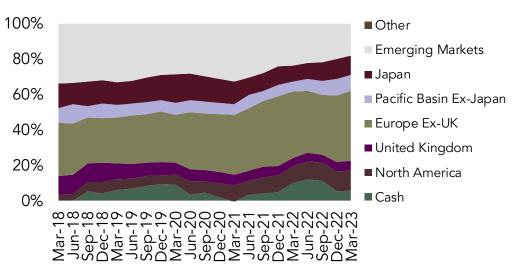
Mandate and Objective

- 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

Three-Year Risk/Return 15.0% Return (Annualized Pretax) Benchmark C EuroPacific Growth Fund 10.0% 5.0% 0.0% 10.0% 0.0% 5.0% 15.0% 20.0% 25.0% Risk (Standard Deviation)

Historical Country Distribution



American Funds, FTSE

American Funds, FTSE

Characteristics

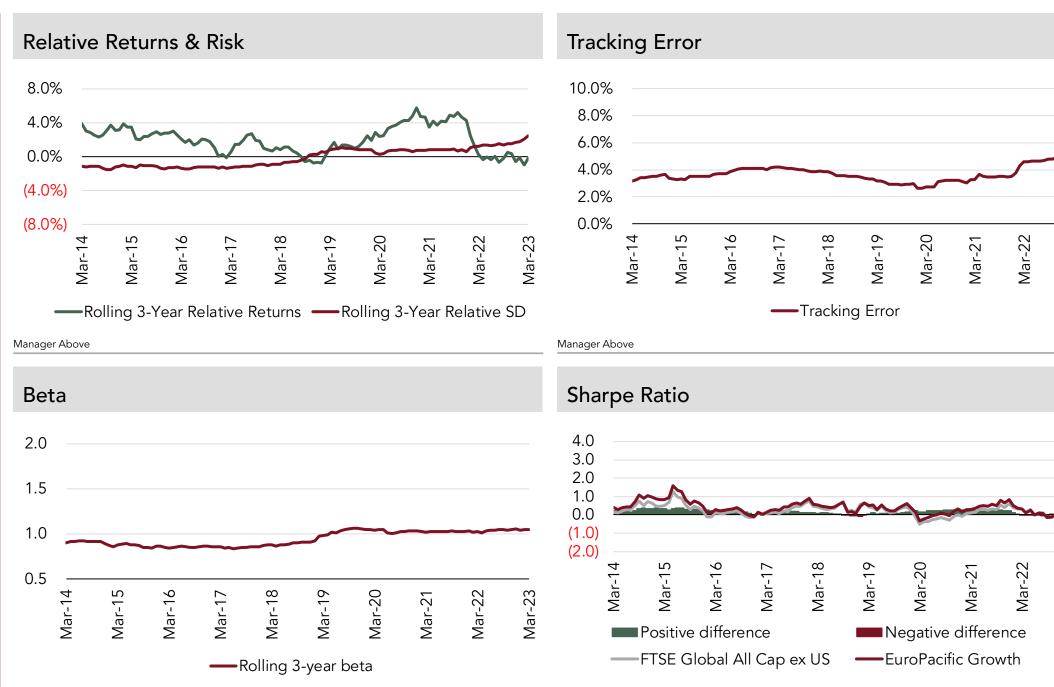
American Funds, FTSE



Characteristics EuroPacific Growth Fund

March 31, 2023

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Mar-23

Mar-23

Manager Above

Manager Above

CARDINAL

	Market Value	%		One	Three	Five	Ten	Since	Inception
Portfolio	(\$000s)	Weight	Quarter	Year	Years	Years	Years	Inception	Date
Vanguard Global Minimum Volatility	\$64,922	5.1%	1.45%	(0.20%)	9.70%	-	-	1.72%	Dec-19
FTSE All-World Index			<u>7.10</u> %	(<u>7.47</u> %)	<u>15.23</u> %	-	-	<u>6.79</u> %	
Relative Performance			(5.65%)	7.28%	(5.53%)	-	-	(5.06%)	

Principal, Vanguard, Cardinal

Low Volatility

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

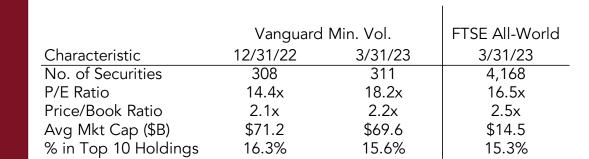
March 31, 2023



Characteristics Vanguard Minimum Volatility

March 31, 2023

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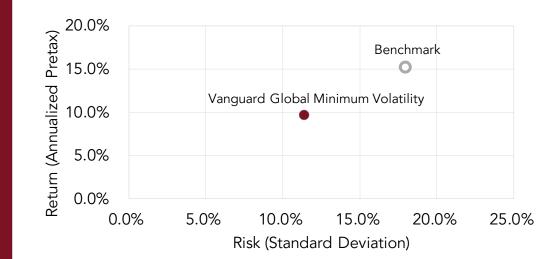
Mandate and Objective

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

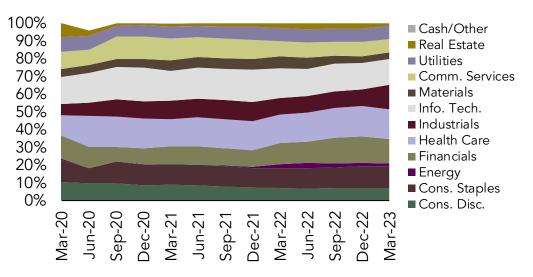
Vanguard, FTSE

Characteristics

Three-Year Risk/Return



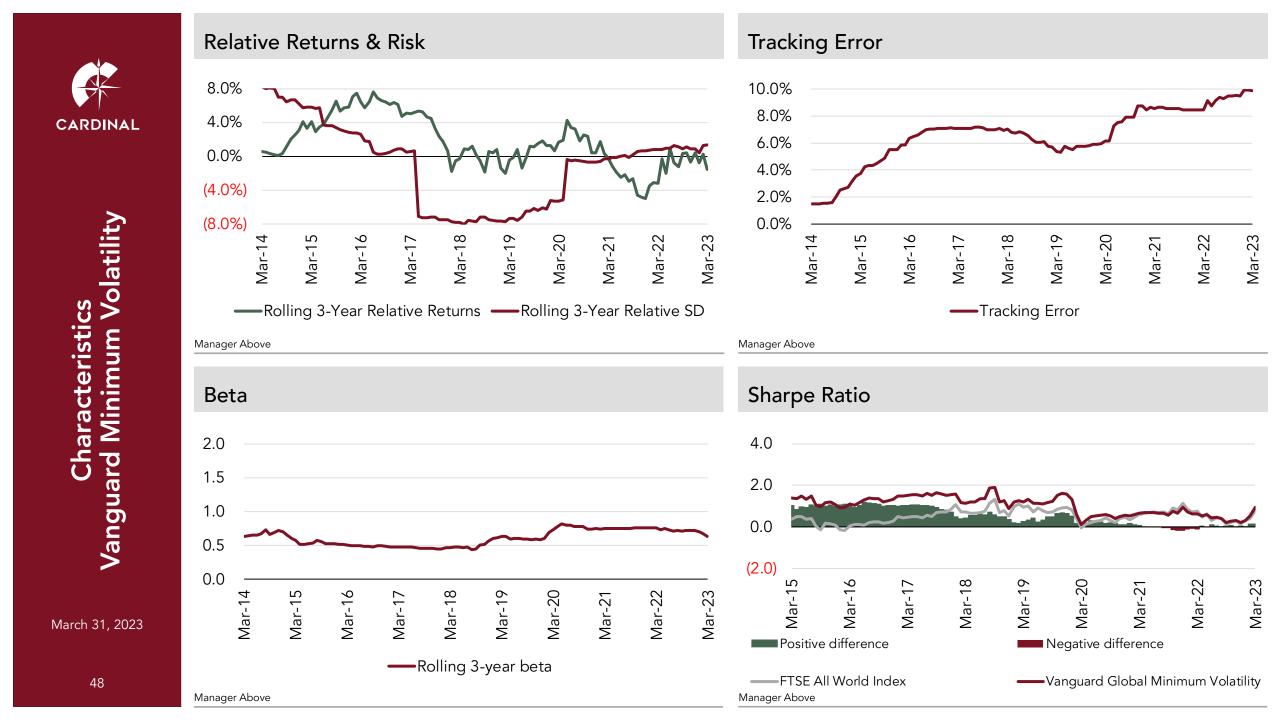
Historical Sector Distribution



Vanguard, FTSE

Vanguard, FTSE

Vanguard, FTSE





Private Real Estate – Modified Dietz

Portfolio	Market Value (\$000s)	% Weight	Quarter	One Year	Three Years	Five Years	Ten Years	Since Inception	Inception Date
Private Real Estate Composite	\$102,659	8.0%	(3.71%)	(2.64%)	8.58%	-	-	8.59%	Jan-20
Blended Benchmark ²			<u>(3.33%)</u>	<u>(3.75%)</u>	<u>7.56%</u>	-	-	<u>7.58%</u>	
Relative Performance			(0.38%)	1.11%	1.02%	-	-	1.01%	
Invesco US Income Fund LP NCREIF Open End Diversified Core Relative Performance	\$22,858	1.8%	(3.63%) (<u>3.33%)</u> (0.30%)	1.92% <u>(3.75%)</u> 5.67%	11.23% <u>7.56%</u> 3.68%	- - -	- -	11.01% <u>7.58%</u> 3.42%	Jan-20
AEW Core Property Trust NCREIF Open End Diversified Core Relative Performance	\$79,801	6.3%	(3.73%) <u>(3.33%)</u> (0.40%)	(3.96%) <u>(3.75%)</u> (0.20%)	- - -	- -	- - -	9.49% <u>8.97%</u> 0.52%	Jul-20

Principal, AEW, Invesco, Cardinal

• Invesco and AEW underperformed for the current quarter, but longer periods have outperformed. Since inception Invesco outperformed the relative benchmark by 342 bps, while AEW outperformed by 52 bps.

March 31, 2023

Performance



Characteristics

Characteristics Invesco U.S. Income Fund

50

	Invesco U.S. Income Fund					
Characteristic	12/31/22	3/31/23				
Investors	38	38				
Gross Asset Value	\$5.0M	4.9M				
Portfolio Leased	94.5%	93.0%				
Contributions	\$277.0	\$189.9				
Trailing 4Q Gross Dist. Yield	4.8%	4.7%				

Invesco US Income Fund LP

Risk (Standard Deviation)

20.0%

Benchmark

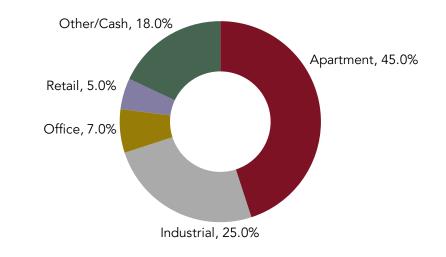
10.0%

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.



30.0%



8eturn (Annualized Pretax) %0.07 (Annualized Pretax) %0.07 (Annualized Pretax) %0.08 (Annualized Pretax)

20.0%

10.0%

0.0%

Invesco

	Characteristics		Mandate
CARDINAL	Chracteristic Investors Gross Asset Value Portfolio Leased Contributions Weighted Avg Int. Rate	AEW Core Trust Fund 12/31/22 3/31/23 373 377 \$10.8M \$10.2M 97.0% 97.0% \$13.0M \$21.0M 4.4% 4.6%	 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
icteristics Property Trust	AEW One-Year Risk/Return		over \$100M
AEW Core Property March 31, 2023	AEW Core Property Tr		Other/Cash, 1.0% Retail, 13.0% Office, 20.0%
	0.0% 10.0%	20.0% 30.0% andard Deviation)	Industrial, 43.0%



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.

March 31, 2023