

# AB Global Bond Z ANAZX

**Morningstar Category**  
Global Bond-USD Hedged

**Morningstar Index**  
Bloomberg US Agg Bond TR USD

## Portfolio Manager(s)

Scott DiMaggio since 08-2005  
Matthew Sheridan since 01-2007  
John Taylor since 02-2019

## Quantitative Screens

✔ **Performance:** The fund has finished in the Global Bond-USD Hedged category's top three quartiles in 9 of the 9 years it's been in existence.

✔ **Management:** The fund's management has been in place for 17.35 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.5 is 32.43% lower than the Global Bond-USD Hedged category average.

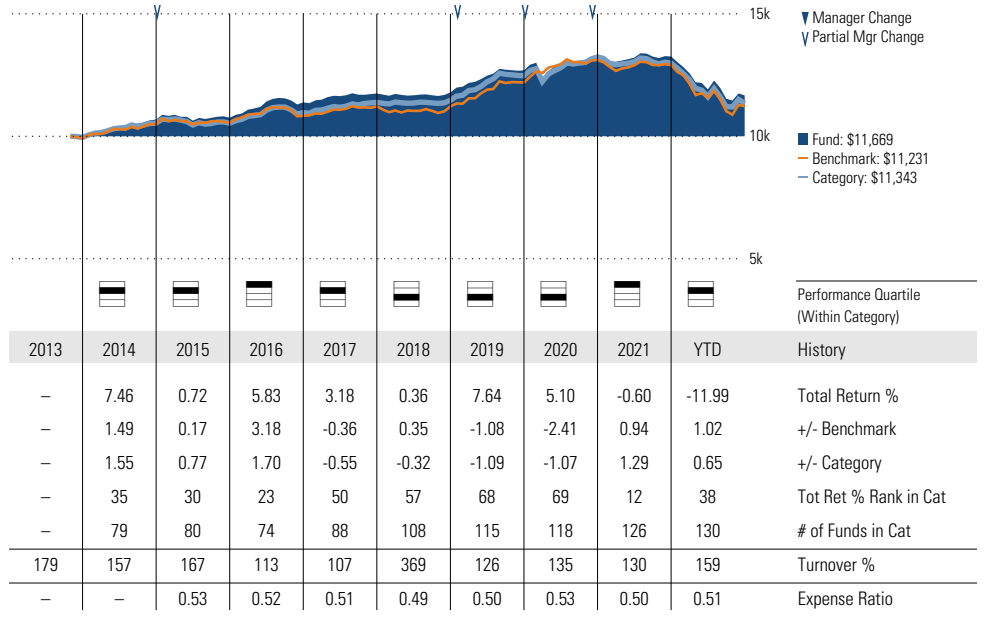
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

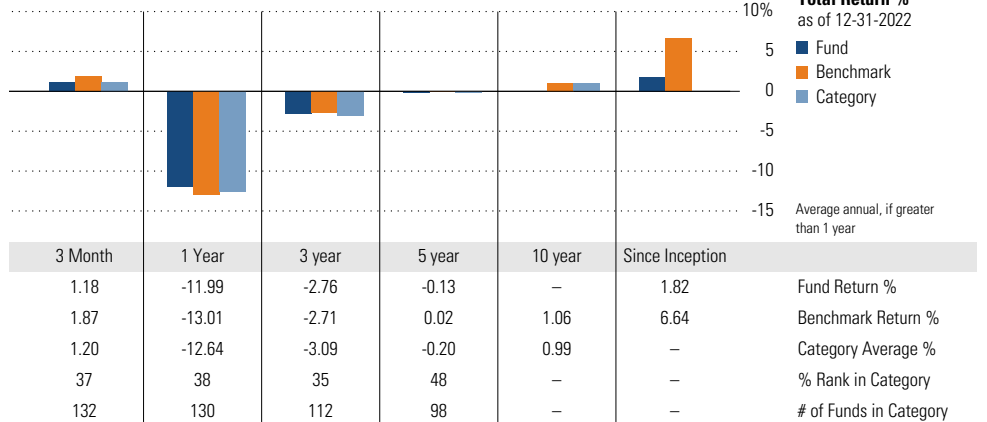
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	01-31-2023

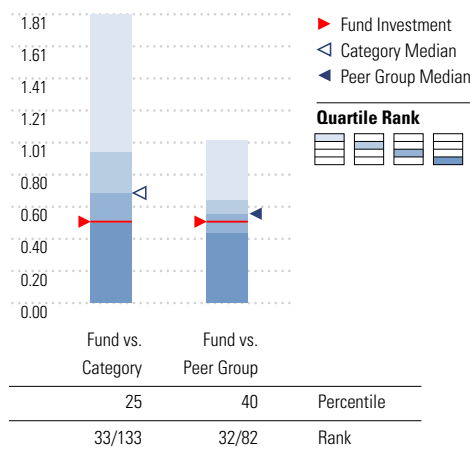
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.34	-	-0.56
Beta	0.88	-	0.91
R-Squared	69.75	-	66.59
Standard Deviation	6.18	5.85	6.52
Sharpe Ratio	-0.56	-0.58	-0.59
Tracking Error	3.47	-	4.06
Information Ratio	-0.01	-	-0.06
Up Capture Ratio	100.36	-	100.72
Down Capture Ratio	100.77	-	104.53

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	6.01	4.43	6.94
Avg Eff Maturity	9.01	-	8.12

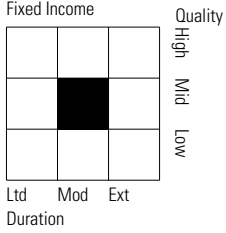
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**Morningstar Category**  
Global Bond-USD Hedged

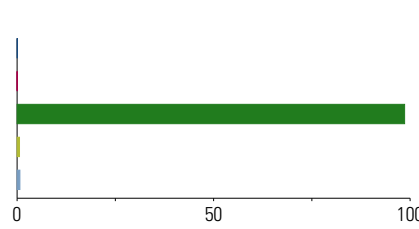
**Morningstar Index**  
Bloomberg US Agg Bond TR USD

## Style Analysis as of 12-31-2022

### Style Breakdown



## Asset Allocation as of 12-31-2022

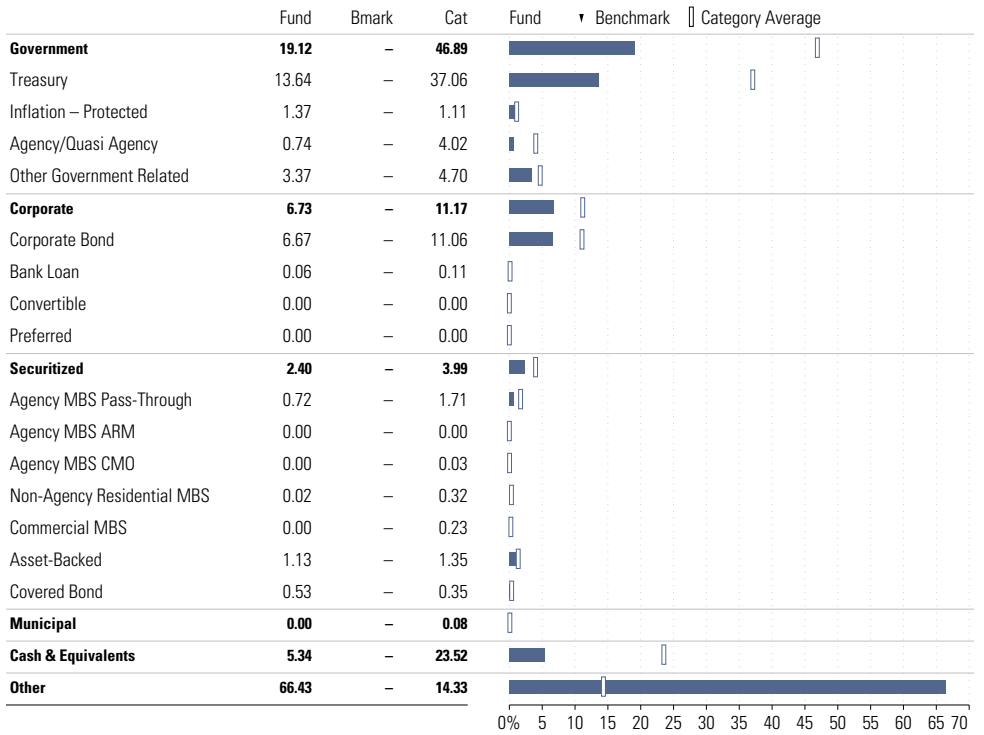


Asset Class	Net %	Cat%
US Stocks	0.08	0.00
Non-US Stocks	0.01	0.02
Bonds	98.60	88.81
Cash	0.61	10.97
Other	0.71	0.19
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

### Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	46.89	3.53	41.60
AA	13.20	74.59	18.48
A	12.96	10.82	17.45
BBB	19.21	8.32	20.42
BB	3.95	0.28	5.05
B	0.87	0.00	1.34
Below B	0.05	0.00	0.54
Not Rated	2.87	2.46	-4.87

## Sector Weighting as of 12-31-2022



## Top 0 Holdings as of 12-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
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**Total Holdings 0**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# American Funds American Balanced R6 RLBGX

**Morningstar Category**  
Allocation--50% to 70%  
Equity

**Morningstar Index**  
Morningstar US Mod Tgt Alloc NR USD

## Portfolio Manager(s)

- Hilda Applbaum since 01-1999
- Alan Berro since 03-2006
- Jeffrey Lager since 03-2011
- Paul Benjamin since 07-2014
- Anne-Marie Peterson since 10-2015
- Alan Wilson since 01-2016
- John Queen since 07-2016
- Pramod Atluri since 03-2018
- Mark Casey since 10-2019
- Ritchie Tuazon since 10-2020
- Jin Lee since 03-2023
- Chit Purani since 03-2023

## Quantitative Screens

✔ **Performance:** The fund has finished in the Allocation--50% to 70% Equity category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 24.01 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.25 is 75.96% lower than the Allocation--50% to 70% Equity category average.

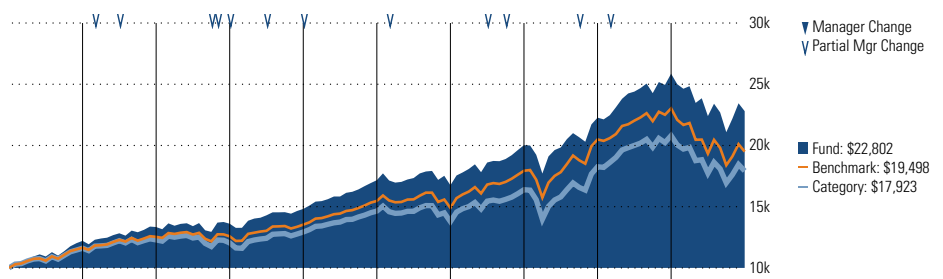
## Morningstar Investment Management LLC Analysis

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## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	01-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

## Growth of \$10,000



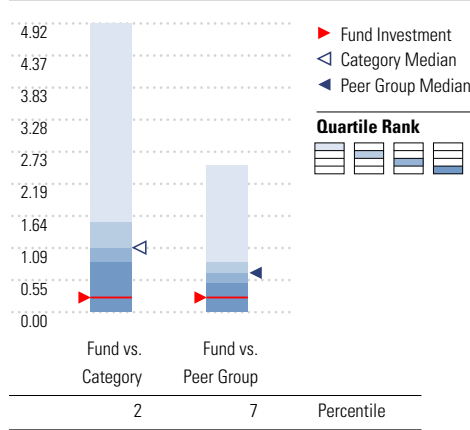
Year	2013	2014	2015	2016	2017	2018	2019	2020	2021	YTD	Performance Quartile (Within Category)
Total Return %	22.12	9.22	2.03	8.90	15.84	-2.42	19.55	11.22	16.11	-11.83	History
+/- Benchmark	5.59	1.65	1.67	1.30	1.56	1.24	-0.78	-3.04	3.74	3.49	
+/- Category	5.64	3.01	3.96	1.56	2.63	3.34	0.32	-0.50	2.22	1.81	
Tot Ret % Rank in Cat	5	16	3	20	15	8	48	57	28	24	
# of Funds in Cat	826	799	849	795	778	796	769	744	756	758	
Turnover %	55	68	82	79	95	72	104	176	158	52	
Expense Ratio	-	-	0.29	0.29	0.28	0.28	0.27	0.26	0.25	0.25	

## Trailing Performance



Period	3 Month	1 Year	3 year	5 year	10 year	Since Inception	Total Return % as of 12-31-2022
Fund Return %	8.15	-11.83	4.42	5.84	8.59	10.15	10
Benchmark Return %	6.04	-15.32	2.83	4.74	6.91	5.30	5
Category Average %	5.69	-13.64	2.89	4.13	6.21	-	0
% Rank in Category	9	24	18	17	5	-	-5
# of Funds in Category	776	758	698	658	495	-	-10

## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	1.66	-	0.04
Beta	0.95	-	1.01
R-Squared	96.84	-	94.21
Standard Deviation	13.31	13.72	14.31
Sharpe Ratio	0.33	0.21	0.20
Tracking Error	2.45	-	3.33
Information Ratio	0.65	-	-0.02
Up Capture Ratio	102.39	-	100.97
Down Capture Ratio	94.19	-	101.15

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	16.17	16.24	17.39
Price/Book Ratio	3.25	2.63	3.04
Avg Eff Duration	6.16	6.45	5.29

# American Funds American Balanced R6 RLBGX

**Morningstar Category**  
Allocation--50% to 70%

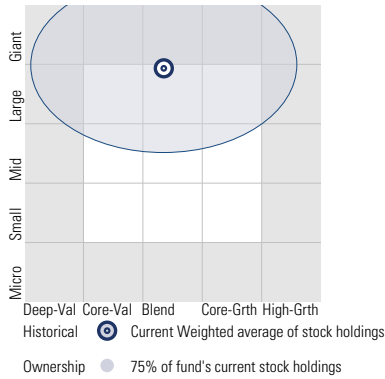
**Morningstar Index**

Morningstar US Mod Tgt Alloc NR USD

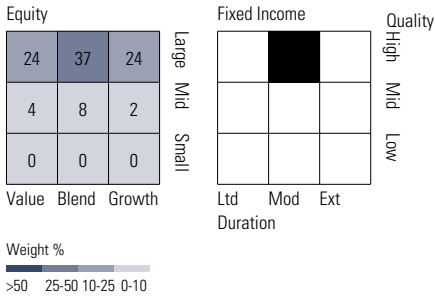
Equity

## Style Analysis as of 12-31-2022

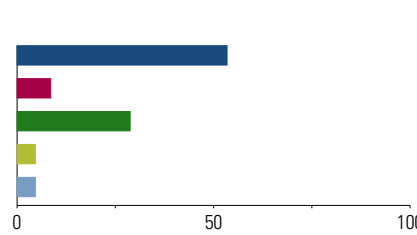
Morningstar Style Box™



## Style Breakdown

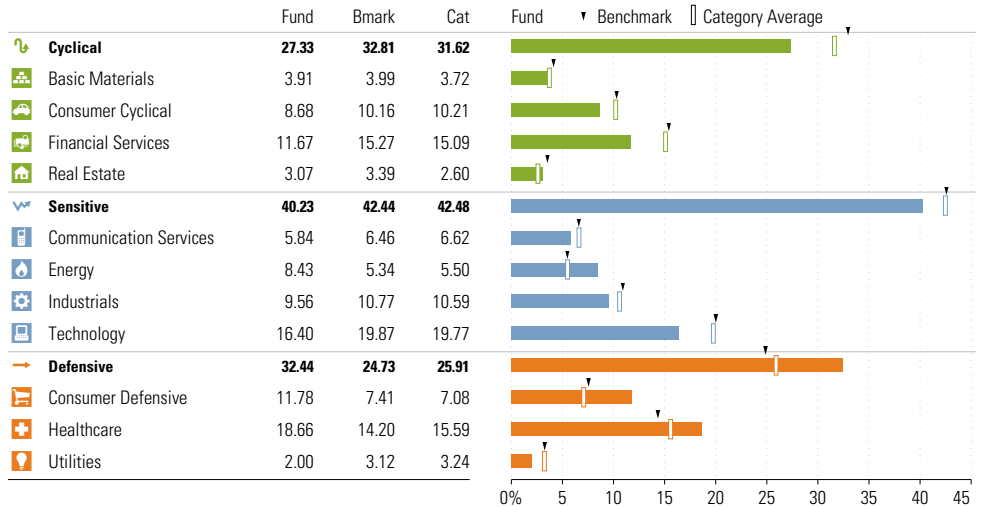


## Asset Allocation as of 12-31-2022



Asset Class	Net %	Cat%
US Stocks	53.42	46.45
Non-US Stocks	8.55	9.75
Bonds	28.76	34.07
Cash	4.63	6.22
Other	4.64	3.51
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2022



## Top 10 Holdings as of 12-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Capital Group Central Cash Fund	—	7.80	7.80	—	—
Cap Grp Cent Fd Ser Ii	—	4.53	12.33	—	—
Microsoft Corp	—	3.34	15.67	-27.94	Technology
Cash And Other Assets Less Liabilities	—	3.30	18.98	—	—
Broadcom Inc	—	2.74	21.71	-13.43	Technology
UnitedHealth Group Inc	—	2.54	24.25	6.86	Healthcare
Philip Morris International Inc	—	2.14	26.40	11.84	Consumer Defensive
Pfizer Inc	—	1.67	28.07	-10.52	Healthcare
The Home Depot Inc	—	1.50	29.57	-22.06	Consumer Cyclical
JPMorgan Chase & Co	—	1.30	30.87	-12.79	Financial Services

**Total Holdings 2176**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# American Funds Intl Gr and Inc R6 RIGGX

**Morningstar Category**  
Foreign Large Blend

**Morningstar Index**  
MSCI ACWI Ex USA NR USD

## Portfolio Manager(s)

Steven Watson since 10-2008  
 Andrew Suzman since 10-2008  
 Patrice Collette since 09-2010  
 Leo Hee since 07-2015  
 Paul Flynn since 09-2017  
 Michael Cohen since 07-2018  
 Lisa Thompson since 09-2018

## Quantitative Screens

✔ **Performance:** The fund has finished in the Foreign Large Blend category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 14.26 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.54 is 39.33% lower than the Foreign Large Blend category average.

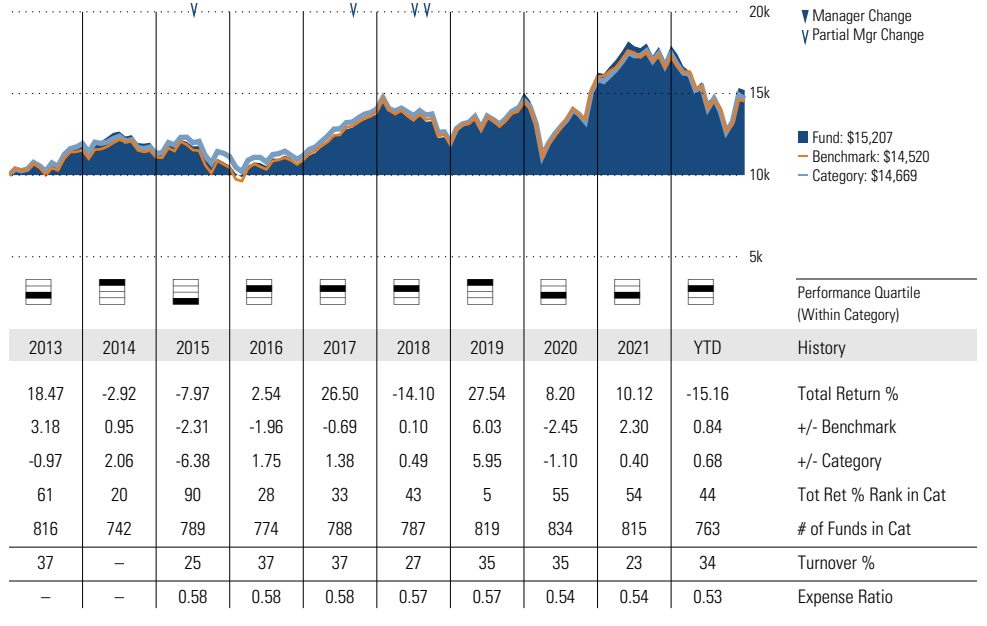
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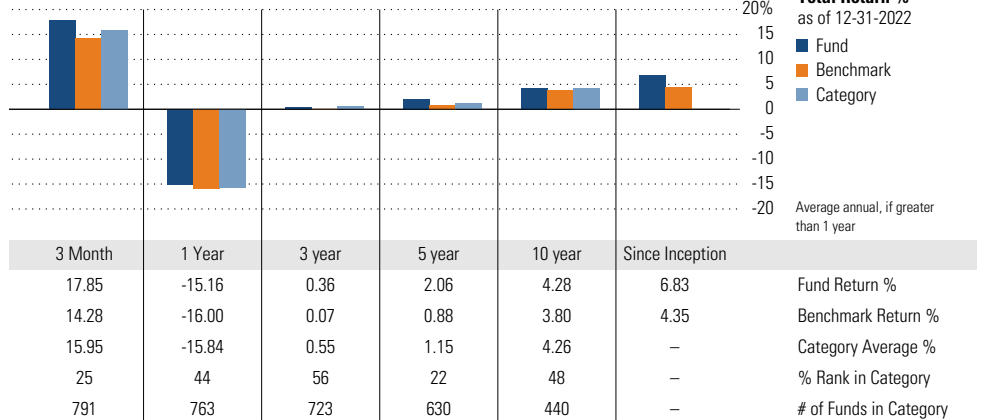
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	01-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

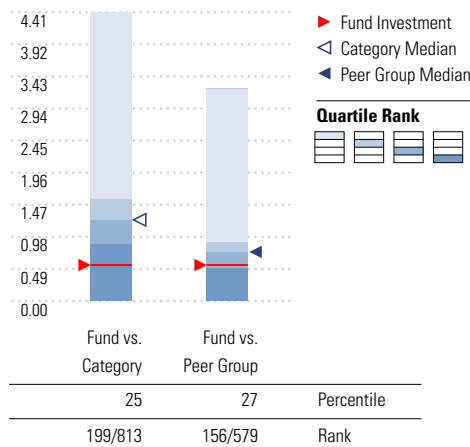
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.52	-	0.80
Beta	1.08	-	1.03
R-Squared	96.75	-	94.10
Standard Deviation	21.51	19.53	20.67
Sharpe Ratio	0.08	0.06	0.09
Tracking Error	4.20	-	5.04
Information Ratio	0.07	-	0.14
Up Capture Ratio	109.15	-	106.74
Down Capture Ratio	107.66	-	104.08

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	13.31	11.94	12.68
Price/Book Ratio	1.71	1.58	1.72
Geom Avg Mkt Cap \$B	45.50	39.70	47.23
ROE	20.43	18.39	20.83

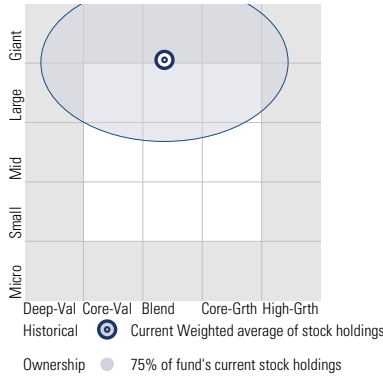
# American Funds Intl Gr and Inc R6 RIGGX

**Morningstar Category**  
Foreign Large Blend

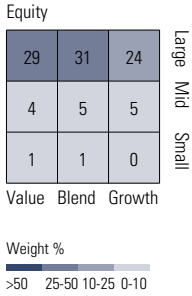
**Morningstar Index**  
MSCI ACWI Ex USA NR USD

## Style Analysis as of 12-31-2022

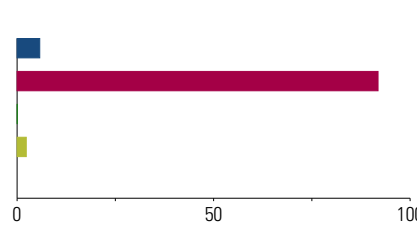
Morningstar Style Box™



## Style Breakdown

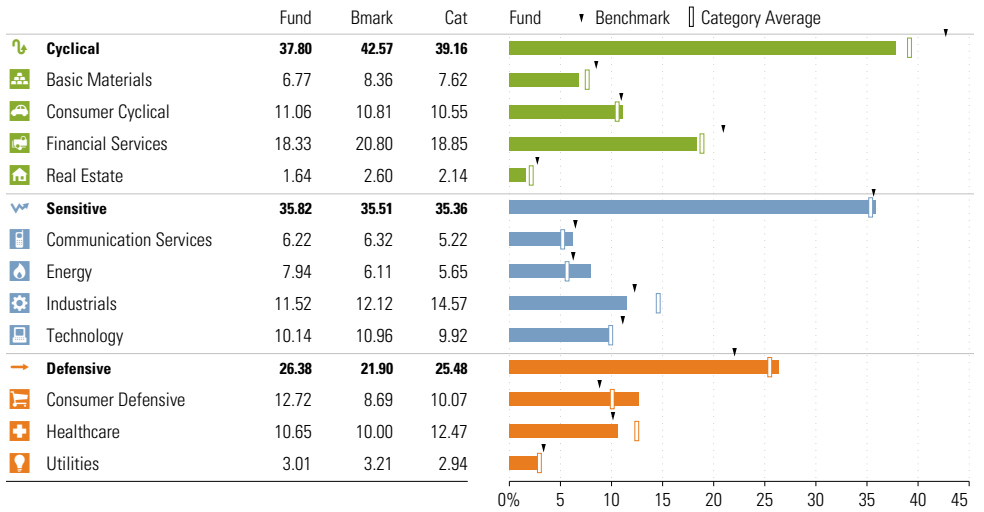


## Asset Allocation as of 12-31-2022



Asset Class	Net %	Cat%
US Stocks	5.76	2.74
Non-US Stocks	91.84	94.64
Bonds	0.08	0.21
Cash	2.33	1.20
Other	0.00	1.19
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2022



## World Regions % Equity 12-31-2022



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %
Greater Asia	28.83	35.26	Americas	14.47	8.84	Greater Europe	56.70	55.90	Market Maturity	Fund %
Japan	7.43	18.06	North America	10.14	7.61	United Kingdom	14.34	13.78	Developed Markets	85.71
Australasia	0.44	5.40	Central/Latin	4.33	1.23	W euro-ex UK	41.28	40.87	Emerging Markets	14.29
Asia-4 Tigers	11.63	6.66				Emrgng Europe	0.32	0.06	Not Available	0.00
Asia-ex 4 Tigers	9.33	5.14				Africa	0.76	1.19		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 12-31-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ AstraZeneca PLC	3.49	3.49	25.11	Healthcare
⊖ Capital Group Central Cash M	2.57	6.06	-	-
⊖ British American Tobacco PLC	2.56	8.62	28.91	Consumer Defensive
⊖ Taiwan Semiconductor Manufacturing Co Ltd	2.52	11.14	-25.28	Technology
⊕ Novo Nordisk A/S Class B	2.24	13.37	29.55	Healthcare
⊕ Philip Morris International Inc	2.20	15.57	11.84	Consumer Defensive
Airbus SE	2.03	17.60	0.80	Industrials
⊕ ASML Holding NV	1.97	19.57	-28.16	Technology
⊕ TotalEnergies SE	1.85	21.42	39.64	Energy
⊕ AIA Group Ltd	1.49	22.91	17.53	Financial Services

**Total Holdings 254**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# American Funds New Perspective R6 RNPGX

**Morningstar Category**  
Global Large-Stock Growth

**Morningstar Index**  
MSCI ACWI NR USD

## Portfolio Manager(s)

Robert Lovelace since 12-2000  
Jonathan Knowles since 12-2004  
Joanna Jonsson since 12-2005  
Steven Watson since 12-2005  
Brady Enright since 12-2005  
Noriko Chen since 04-2012  
Andraz Razen since 07-2015  
Barbara Burtin since 12-2018  
Patrice Collette since 12-2018

## Quantitative Screens

✔ **Performance:** The fund has finished in the Global Large-Stock Growth category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 22.1 years.

✔ **Style:** The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.41 is 61.68% lower than the Global Large-Stock Growth category average.

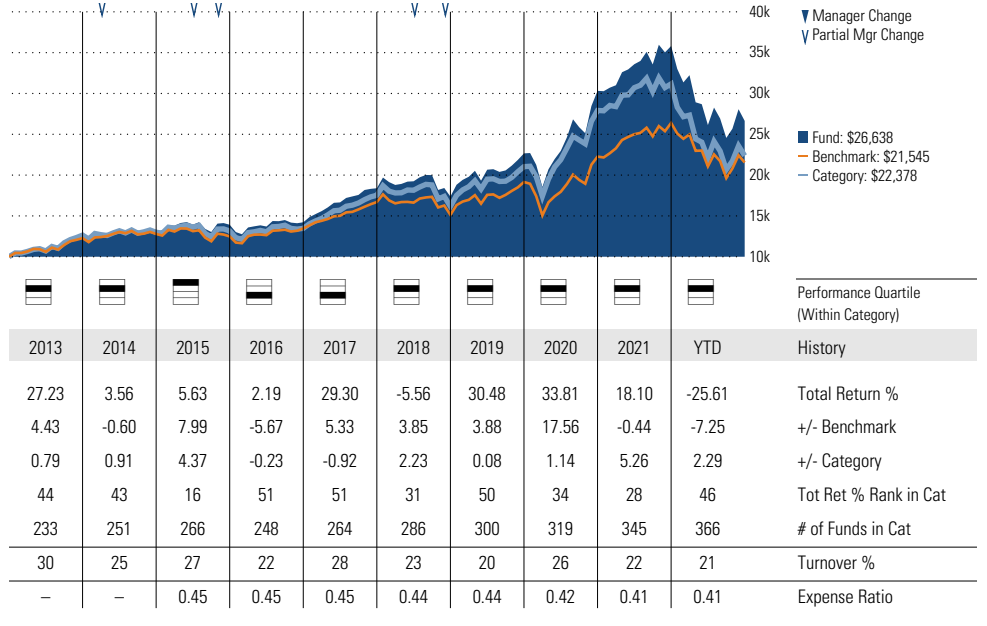
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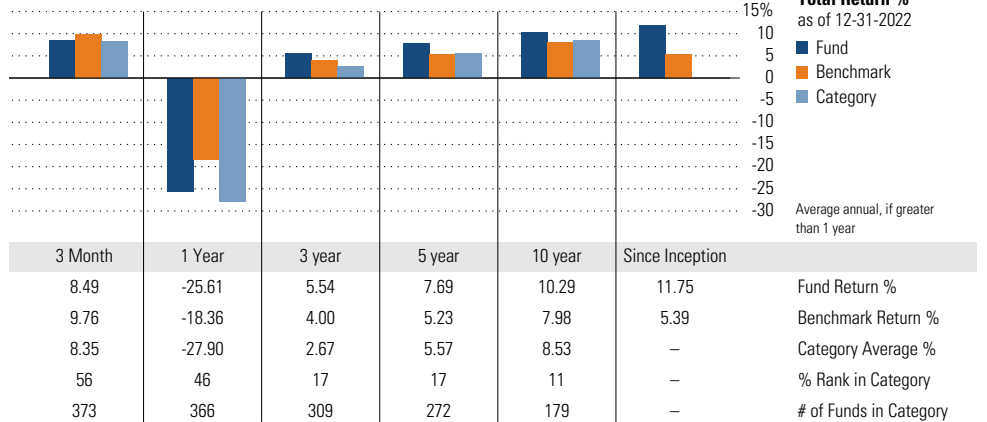
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	01-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	2-Basic	02-15-2022

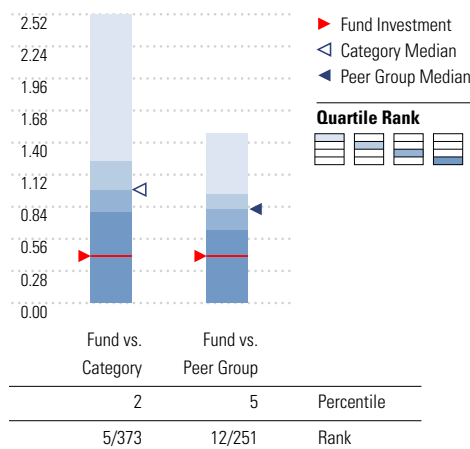
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	1.39	-	-0.96
Beta	1.09	-	1.05
R-Squared	95.86	-	88.45
Standard Deviation	22.44	20.14	22.60
Sharpe Ratio	0.31	0.25	0.20
Tracking Error	4.91	-	7.63
Information Ratio	0.31	-	-0.10
Up Capture Ratio	113.11	-	103.42
Down Capture Ratio	108.91	-	108.20

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	18.19	15.37	22.05
Price/Book Ratio	3.14	2.37	3.99
Geom Avg Mkt Cap \$B	91.08	87.09	104.74
ROE	26.15	25.56	25.87

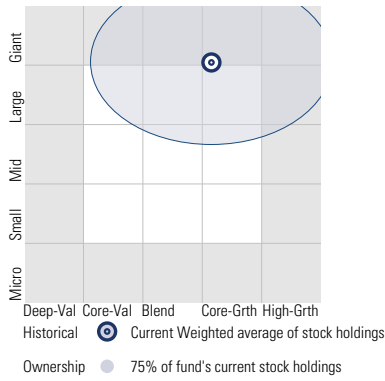
# American Funds New Perspective R6 RNP GX

**Morningstar Category**  
Global Large-Stock Growth

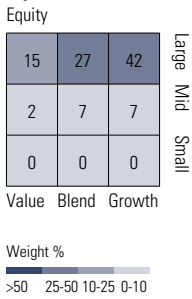
**Morningstar Index**  
MSCI ACWI NR USD

## Style Analysis as of 12-31-2022

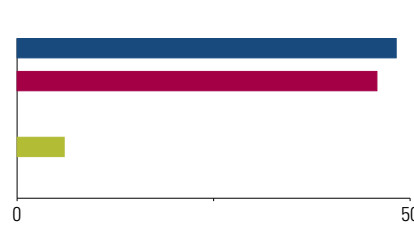
Morningstar Style Box™



## Style Breakdown

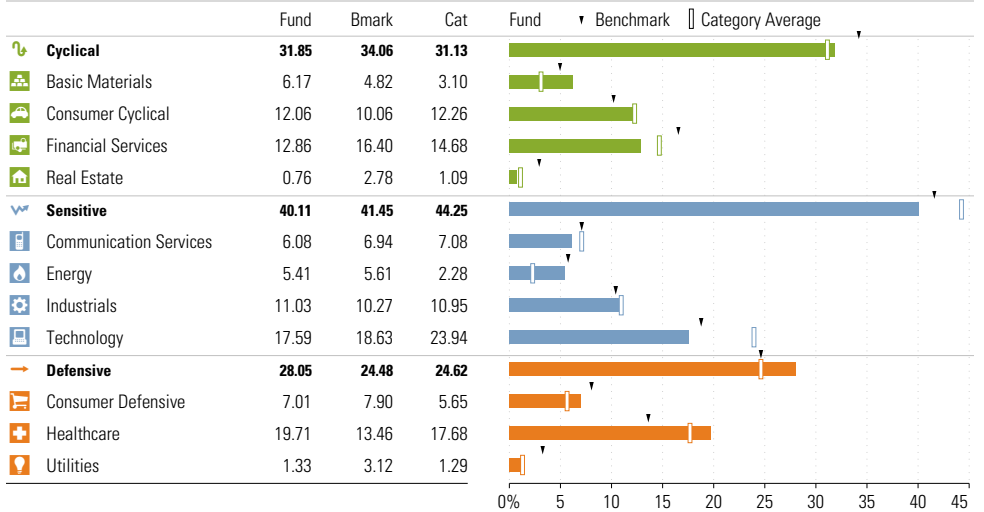


## Asset Allocation as of 12-31-2022

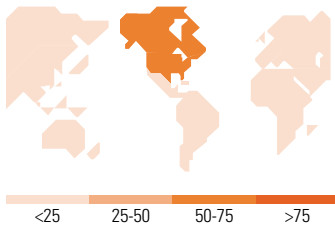


Asset Class	Net %	Cat%
US Stocks	48.23	55.63
Non-US Stocks	45.78	41.20
Bonds	0.00	0.00
Cash	5.99	2.84
Other	0.00	0.32
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2022



## World Regions % Equity 12-31-2022



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	12.38	14.33	Americas	56.45	60.78	Greater Europe	31.17	24.90	Developed Markets	95.03
Japan	3.41	4.39	North America	54.43	59.21	United Kingdom	5.78	4.98	Emerging Markets	4.97
Australasia	0.30	0.36	Central/Latin	2.02	1.57	W euro-ex UK	24.78	19.72	Not Available	0.00
Asia-4 Tigers	6.05	3.98				Emrgng Europe	0.00	0.02		
Asia-ex 4 Tigers	2.62	5.60				Africa	0.61	0.18		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 12-31-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Capital Group Central Cash Fund	6.16	6.16	-	-
Microsoft Corp	3.90	10.06	-27.94	Technology
Novo Nordisk A/S Class B	2.39	12.45	29.55	Healthcare
Taiwan Semiconductor Manufacturing Co Ltd	2.12	14.57	-25.28	Technology
Tesla Inc	1.54	16.11	-65.03	Consumer Cyclical
Eli Lilly and Co	1.49	17.60	33.86	Healthcare
AstraZeneca PLC	1.49	19.09	25.11	Healthcare
AIA Group Ltd	1.46	20.55	17.53	Financial Services
Nestle SA	1.41	21.96	-14.50	Consumer Defensive
Broadcom Inc	1.30	23.26	-13.43	Technology

**Total Holdings 298**

⊕ Increase ⊖ Decrease ✱ New to Portfolio



# American Funds New World R6 RNWGX

**Morningstar Category**  
Diversified Emerging Mkts

**Morningstar Index**  
MSCI EM NR USD

## Portfolio Manager(s)

Carl Kawaja since 06-1999  
 Robert Lovelace since 06-1999  
 Christopher Thomsen since 01-2009  
 Winnie Kwan since 01-2009  
 Tomonori Tani since 10-2013  
 Jonathan Knowles since 01-2016  
 Bradford Freer since 01-2017  
 Akira Shiraishi since 01-2017  
 Lisa Thompson since 10-2019  
 Kirstie Spence since 12-2019  
 Dawid Justus since 01-2020  
 Piyada Phanaphat since 01-2020

## Quantitative Screens

✔ **Performance:** The fund has finished in the Diversified Emerging Mkts category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 23.56 years.

✔ **Style:** The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.57 is 50.43% lower than the Diversified Emerging Mkts category average.

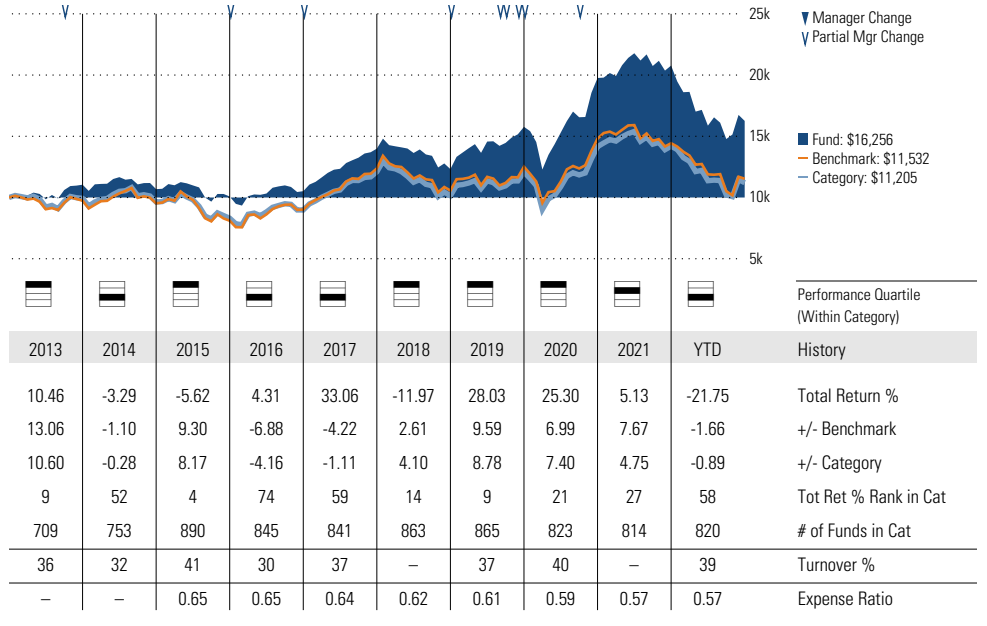
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

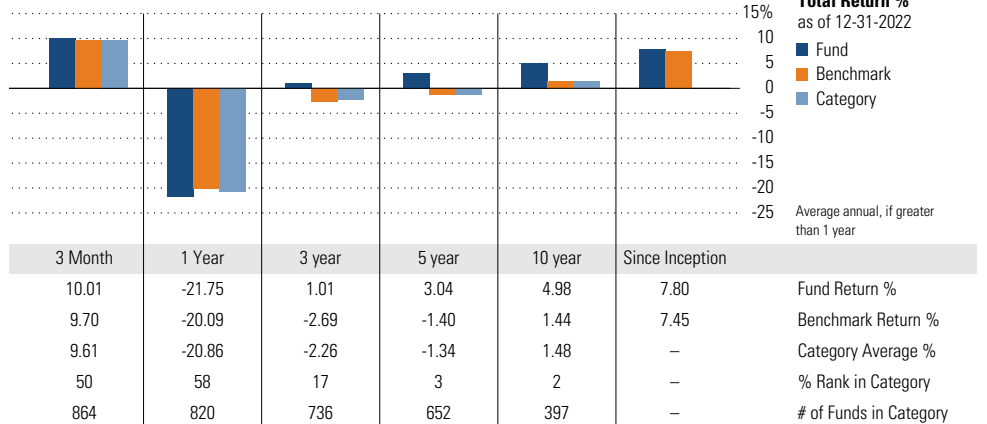
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	01-31-2023
Carbon Risk Score	Medium Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

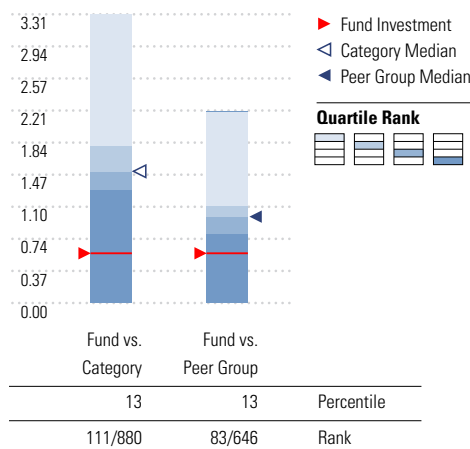
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	3.65	-	0.18
Beta	0.90	-	1.00
R-Squared	82.26	-	88.98
Standard Deviation	20.37	20.55	21.86
Sharpe Ratio	0.11	-0.07	-0.06
Tracking Error	8.83	-	7.01
Information Ratio	0.42	-	-0.06
Up Capture Ratio	102.25	-	102.04
Down Capture Ratio	88.61	-	102.20

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	16.62	10.62	11.64
Price/Book Ratio	2.75	1.56	1.80
Geom Avg Mkt Cap \$B	52.53	33.24	38.67
ROE	22.44	17.19	18.44

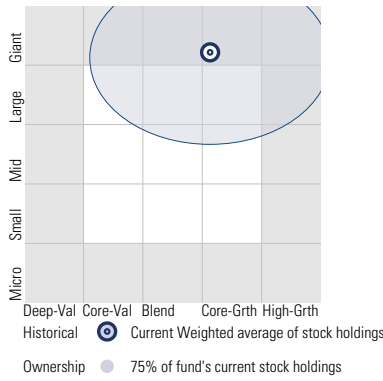
# American Funds New World R6 RNWGX

**Morningstar Category**  
Diversified Emerging Mkts

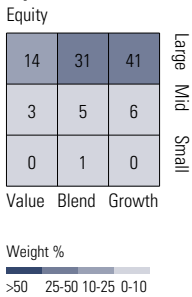
**Morningstar Index**  
MSCI EM NR USD

## Style Analysis as of 12-31-2022

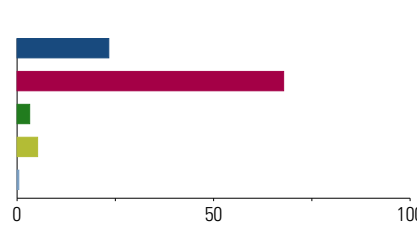
Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 12-31-2022

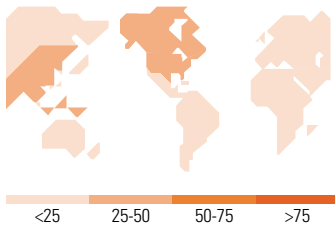


Asset Class	Net %	Cat%
US Stocks	23.33	3.20
Non-US Stocks	67.82	94.72
Bonds	3.20	0.03
Cash	5.22	1.92
Other	0.43	0.14
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2022

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Cyclical</b>	<b>40.45</b>	<b>46.30</b>	<b>45.30</b>	[Bar chart showing Cyclical sector weighting]		
Basic Materials	9.44	8.87	6.83	[Bar chart showing Basic Materials sector weighting]		
Consumer Cyclical	12.52	13.30	14.15	[Bar chart showing Consumer Cyclical sector weighting]		
Financial Services	16.73	22.17	22.56	[Bar chart showing Financial Services sector weighting]		
Real Estate	1.76	1.96	1.76	[Bar chart showing Real Estate sector weighting]		
<b>Sensitive</b>	<b>35.96</b>	<b>40.06</b>	<b>40.12</b>	[Bar chart showing Sensitive sector weighting]		
Communication Services	5.02	10.43	8.52	[Bar chart showing Communication Services sector weighting]		
Energy	5.22	5.05	5.06	[Bar chart showing Energy sector weighting]		
Industrials	10.77	5.87	6.10	[Bar chart showing Industrials sector weighting]		
Technology	14.95	18.71	20.44	[Bar chart showing Technology sector weighting]		
<b>Defensive</b>	<b>23.60</b>	<b>13.65</b>	<b>14.57</b>	[Bar chart showing Defensive sector weighting]		
Consumer Defensive	6.85	6.29	7.69	[Bar chart showing Consumer Defensive sector weighting]		
Healthcare	14.54	4.38	5.06	[Bar chart showing Healthcare sector weighting]		
Utilities	2.21	2.98	1.82	[Bar chart showing Utilities sector weighting]		

## World Regions % Equity 12-31-2022



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	39.06	74.74	Americas	36.28	14.72	Greater Europe	24.67	10.53	Developed Markets	60.61
Japan	2.68	0.09	North America	27.26	3.11	United Kingdom	2.75	0.66	Emerging Markets	39.39
Australasia	0.68	0.05	Central/Latin	9.02	11.61	W euro-ex UK	19.48	1.79	Not Available	0.00
Asia-4 Tigers	7.33	24.78				Emrgng Europe	0.24	1.33		
Asia-ex 4 Tigers	28.37	49.82				Africa	2.20	6.75		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 12-31-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Capital Group Central Cash Fund	5.06	5.06	-	-
Microsoft Corp	2.68	7.74	-27.94	Technology
Novo Nordisk A/S Class B	2.06	9.79	29.55	Healthcare
Kotak Mahindra Bank Ltd	2.02	11.81	1.73	Financial Services
Reliance Industries Ltd	1.92	13.73	7.86	Energy
Taiwan Semiconductor Manufacturing Co Ltd	1.78	15.51	-25.28	Technology
AIA Group Ltd	1.52	17.04	17.53	Financial Services
Airbus SE	1.43	18.47	0.80	Industrials
LVMH Moet Hennessy Louis Vuitton SE	1.38	19.85	-4.83	Consumer Cyclical
Thermo Fisher Scientific Inc	1.30	21.15	-17.29	Healthcare

**Total Holdings 577**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# Baird Aggregate Bond Inst BAGIX

**Morningstar Category**  
Intermediate Core Bond

**Morningstar Index**  
Bloomberg US Agg Bond TR USD

## Portfolio Manager(s)

- M. Sharon deGuzman since 09-2000
- Mary Ellen Stanek since 09-2000
- Charles Groeschell since 09-2000
- Warren Pierson since 09-2000
- Meghan Dean since 05-2019
- Jay Schwister since 05-2019
- Jeffrey Schrom since 05-2019
- Patrick Brown since 05-2021
- Abhishek Pulakanti since 05-2022
- Andrew O'Connell since 05-2022

## Quantitative Screens

✔ **Performance:** The fund has finished in the Intermediate Core Bond category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 22.27 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.3 is 46.43% lower than the Intermediate Core Bond category average.

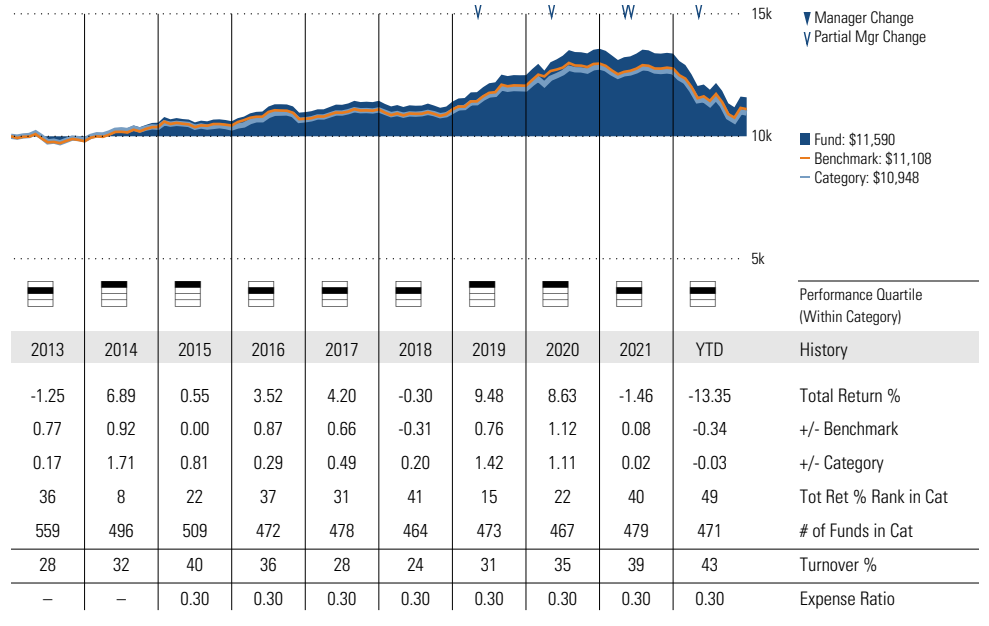
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

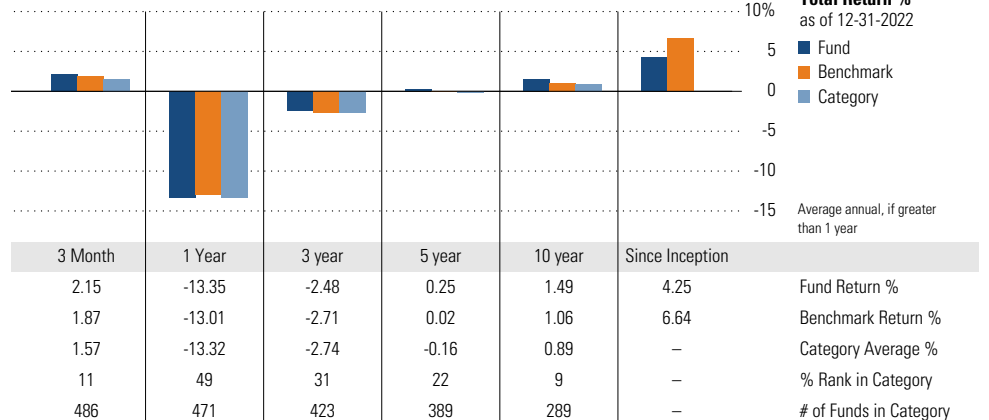
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	01-31-2023
ESG Commitment	1-Low	02-15-2022

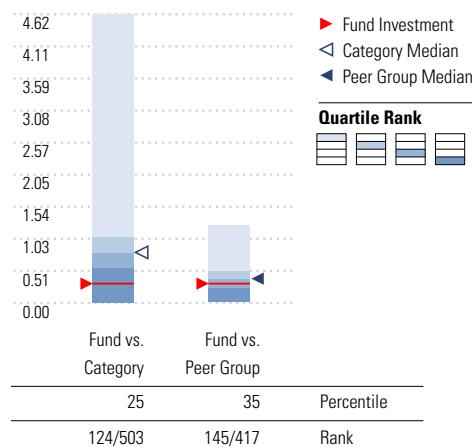
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.38	-	0.03
Beta	1.05	-	1.00
R-Squared	96.52	-	92.92
Standard Deviation	6.23	5.85	6.12
Sharpe Ratio	-0.51	-0.58	-0.56
Tracking Error	1.19	-	1.54
Information Ratio	0.20	-	-0.09
Up Capture Ratio	112.62	-	104.58
Down Capture Ratio	106.03	-	103.15

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	6.17	4.43	6.05
Avg Eff Maturity	8.23	-	8.25

# Baird Aggregate Bond Inst BAGIX

**Morningstar Category**  
Intermediate Core Bond

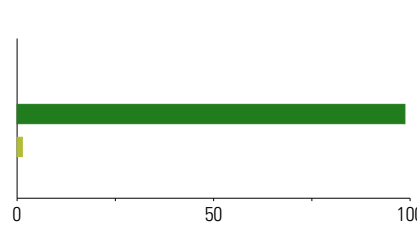
**Morningstar Index**  
Bloomberg US Agg Bond TR USD

**Style Analysis** as of 12-31-2022

**Style Breakdown**



**Asset Allocation** as of 12-31-2022

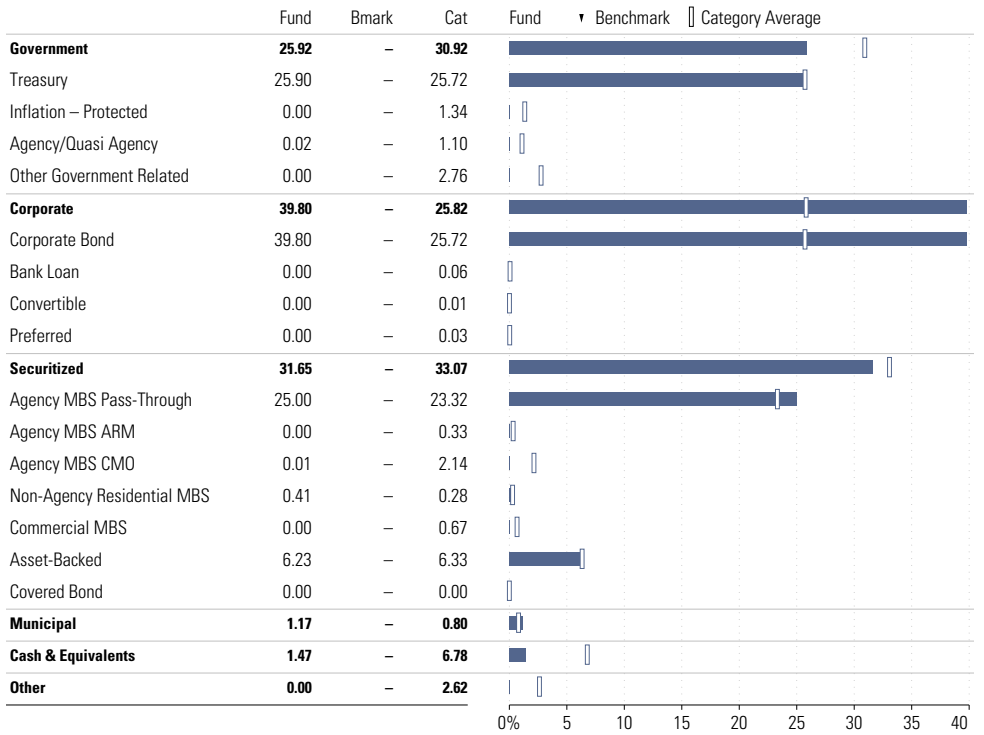


Asset Class	Net %	Cat%
US Stocks	0.00	0.10
Non-US Stocks	0.00	0.02
Bonds	98.68	95.92
Cash	1.33	2.10
Other	0.00	1.87
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Credit Rating Breakdown**

	Fund	Bmark	Cat
AAA	59.70	3.53	54.60
AA	3.80	74.59	8.55
A	12.70	10.82	17.15
BBB	23.50	8.32	16.13
BB	0.30	0.28	1.41
B	0.00	0.00	0.45
Below B	0.00	0.00	0.18
Not Rated	0.00	2.46	1.53

**Sector Weighting** as of 12-31-2022



**Top 10 Holdings** as of 12-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
United States Treasury Bonds 2.5%	02-2045	3.45	3.45	-
⊖ United States Treasury Bonds 2.88%	05-2043	2.55	6.00	-
⊕ United States Treasury Notes 1.13%	08-2028	2.18	8.18	-
United States Treasury Bonds 1.38%	11-2040	1.96	10.14	-
⊕ United States Treasury Notes 2.88%	06-2025	1.85	11.99	-
⊕ United States Treasury Notes 2.88%	05-2032	1.80	13.78	-
⊖ First American Government Obligs U	02-2030	1.27	15.05	-
⊖ United States Treasury Notes 1.13%	10-2026	1.23	16.28	-
⊖ United States Treasury Notes 3%	06-2024	1.22	17.50	-
⊕ United States Treasury Notes 2.38%	03-2029	0.99	18.49	-

**Total Holdings 1584**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# BlackRock Inflation Protected Bond K BPLBX

**Morningstar Category**  
Inflation-Protected Bond

**Morningstar Index**  
Bloomberg US Treasury US TIPS TR USD

## Portfolio Manager(s)

Christopher Allen since 02-2017  
David Rogal since 03-2018

## Quantitative Screens

✔ **Performance:** The fund has finished in the Inflation-Protected Bond category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 5.88 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.3 is 48.28% lower than the Inflation-Protected Bond category average.

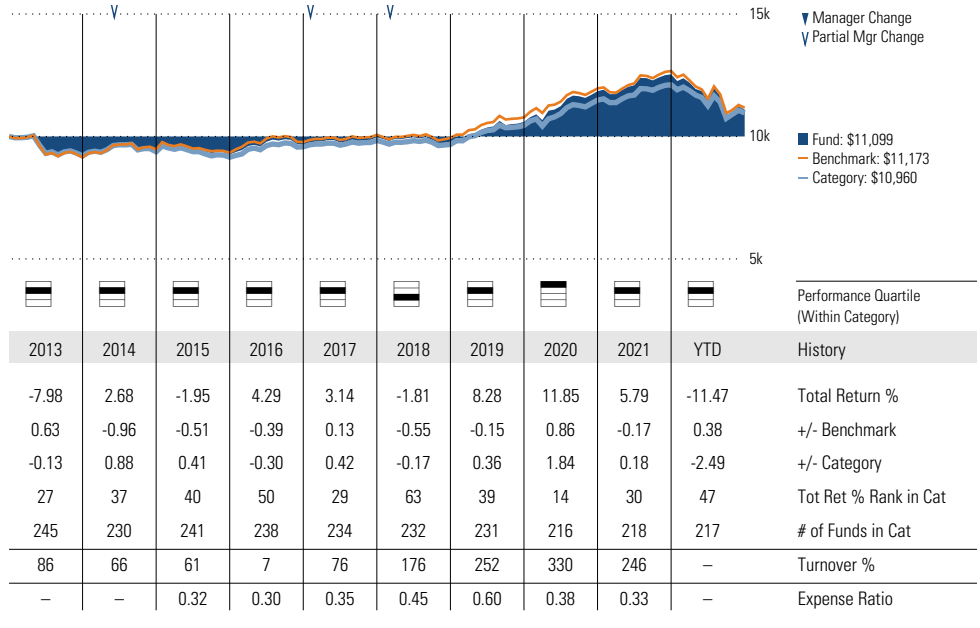
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

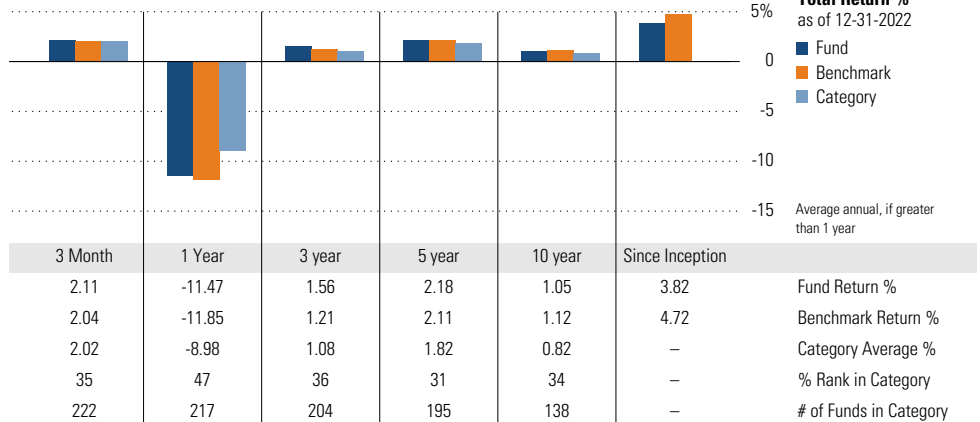
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	09-30-2022

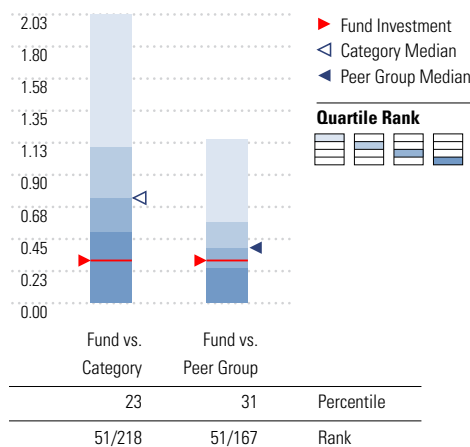
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.32	-	0.15
Beta	1.03	-	0.92
R-Squared	98.78	-	88.43
Standard Deviation	7.27	7.01	6.90
Sharpe Ratio	0.13	0.08	0.11
Tracking Error	0.83	-	2.51
Information Ratio	0.42	-	-0.22
Up Capture Ratio	103.20	-	92.15
Down Capture Ratio	99.65	-	90.88

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	0.03	4.52	5.55
Avg Eff Maturity	6.93	-	6.37

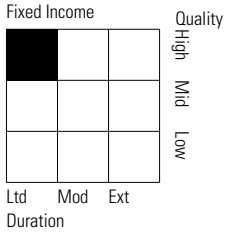
# BlackRock Inflation Protected Bond K BPLBX

**Morningstar Category**  
Inflation-Protected Bond

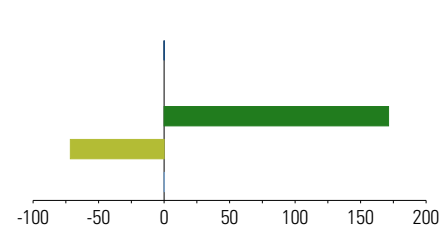
**Morningstar Index**  
Bloomberg US Treasury US TIPS TR USD

## Style Analysis as of 12-31-2022

### Style Breakdown



## Asset Allocation as of 12-31-2022

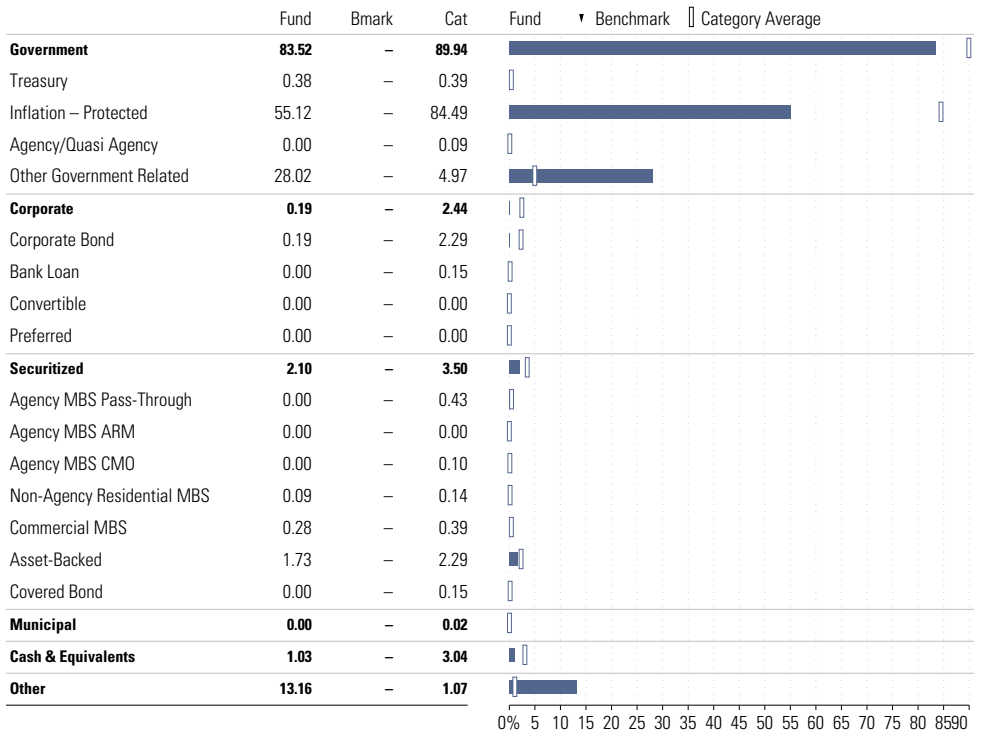


Asset Class	Net %	Cat%
US Stocks	0.11	0.12
Non-US Stocks	0.00	0.00
Bonds	171.34	97.04
Cash	-71.57	2.15
Other	0.14	0.70
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	96.79	0.00	88.32
AA	0.10	99.60	3.60
A	0.14	0.00	1.66
BBB	0.71	0.00	2.25
BB	0.05	0.00	0.50
B	0.09	0.00	0.15
Below B	0.00	0.00	0.14
Not Rated	2.12	0.40	3.38

## Sector Weighting as of 12-31-2022



## Top 0 Holdings as of 12-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
<b>Total Holdings 0</b>				

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# Delaware Small Cap Value R6 DVZRX

**Morningstar Category**  
Small Value

**Morningstar Index**  
Russell 2000 Value TR USD

## Portfolio Manager(s)

Steven Catricks since 07-2012  
Kelley Carabasi since 07-2012  
Kent Madden since 07-2012  
Michael Foley since 07-2019

## Quantitative Screens

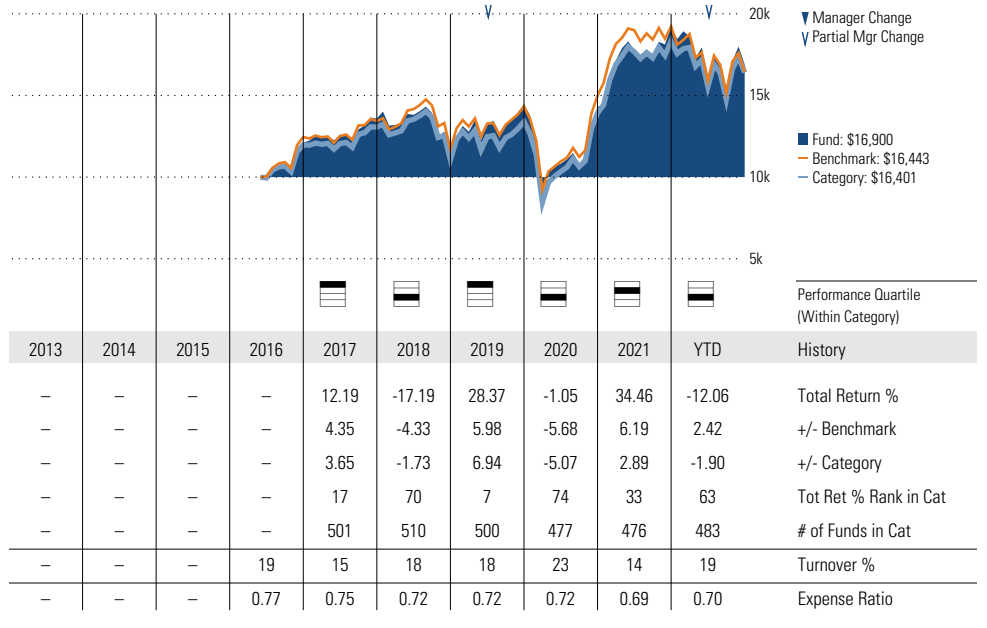
✔ **Performance:** The fund has finished in the Small Value category's top three quartiles in 6 of the 6 years it's been in existence.

✔ **Management:** The fund's management has been in place for 10.51 years.

✔ **Style:** The fund has landed in its primary style box — Small Value — 93.94 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.69 is 39.47% lower than the Small Value category average.

## Growth of \$10,000



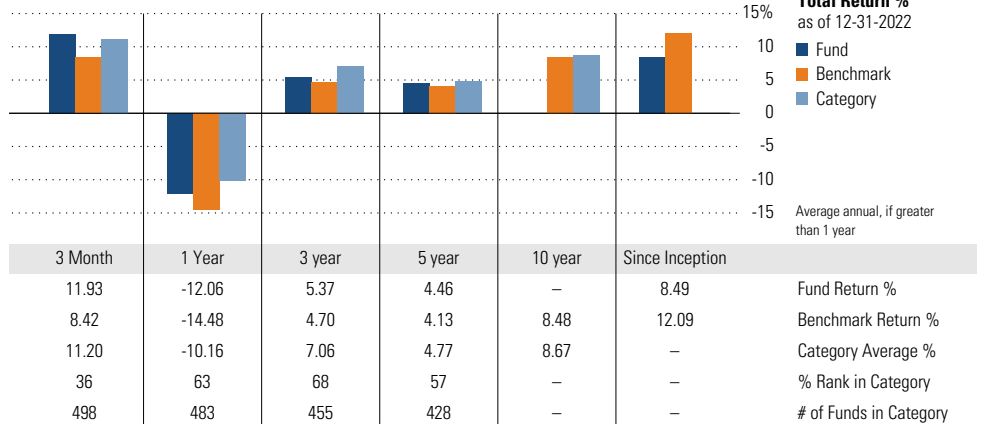
## Morningstar Investment Management LLC Analysis

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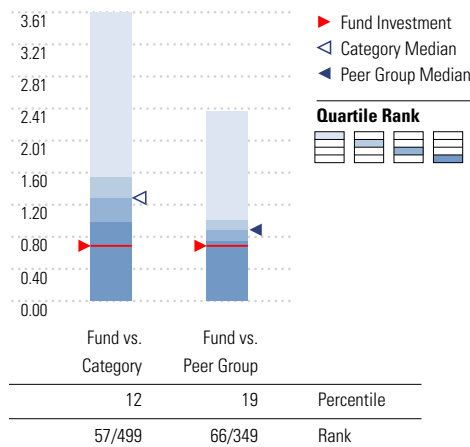
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	01-31-2023
Carbon Risk Score	Medium Risk	12-31-2022

## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.82	-	2.07
Beta	0.99	-	0.99
R-Squared	95.86	-	95.05
Standard Deviation	27.96	27.66	28.15
Sharpe Ratio	0.30	0.27	0.34
Tracking Error	5.70	-	6.45
Information Ratio	0.12	-	0.30
Up Capture Ratio	99.74	-	101.40
Down Capture Ratio	97.94	-	96.46

## Portfolio Metrics

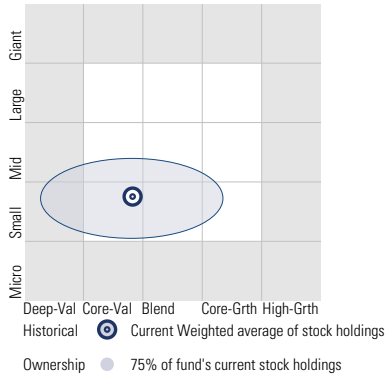
	Fund	Bmark	Cat
Price/Earnings Ratio	10.91	9.22	11.62
Price/Book Ratio	1.63	1.27	1.60
Geom Avg Mkt Cap \$B	4.23	1.83	3.75
ROE	16.83	7.83	16.18

# Delaware Small Cap Value R6 DVZRX

**Morningstar Category**  
Small Value

**Morningstar Index**  
Russell 2000 Value TR USD

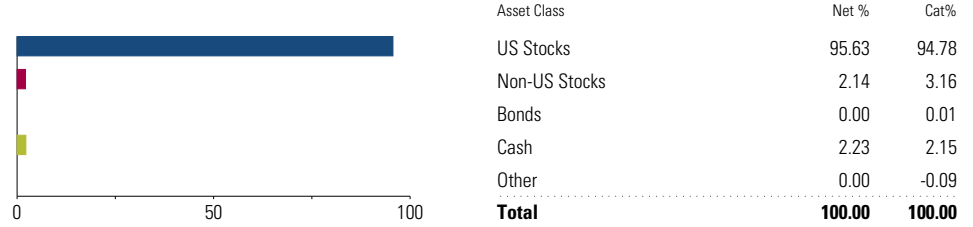
**Style Analysis** as of 12-31-2022  
Morningstar Style Box™



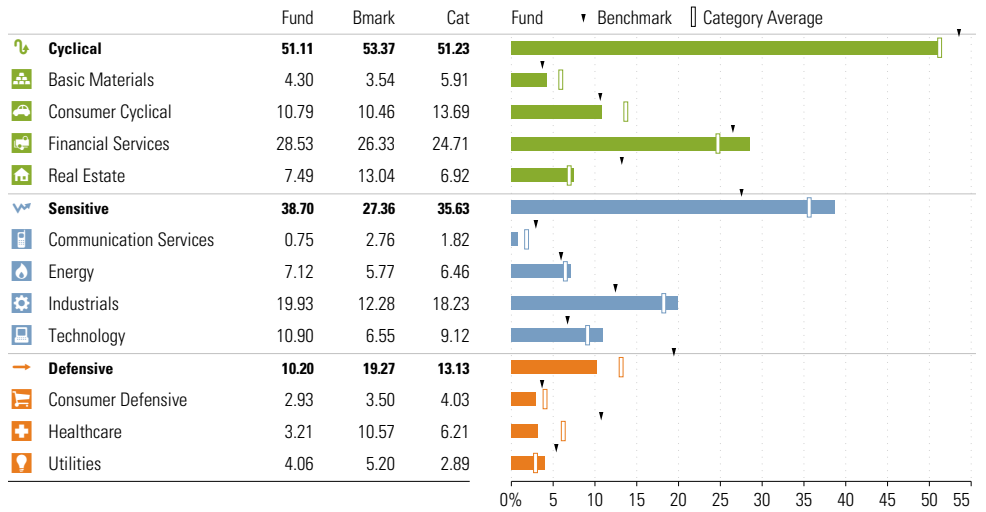
**Style Breakdown**



**Asset Allocation** as of 12-31-2022



**Sector Weighting** as of 12-31-2022



**Top 0 Holdings** as of 12-31-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
------	-------------	--------------	--------------	--------------------

**Total Holdings** 0

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# DWS Enhanced Commodity Strategy R6 SKRRX

**Morningstar Category**  
Commodities Broad Basket

**Morningstar Index**  
Bloomberg Commodity TR USD

## Portfolio Manager(s)

Darwei Kung since 04-2010  
Jeff Morton since 07-2022

## Quantitative Screens

✔ **Performance:** The fund has finished in the Commodities Broad Basket category's top three quartiles in 4 of the 6 years it's been in existence.

✔ **Management:** The fund's management has been in place for 12.76 years.

✔ **Style:** The fund has landed in its primary style box — Small Value — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.89 is 15.24% lower than the Commodities Broad Basket category average.

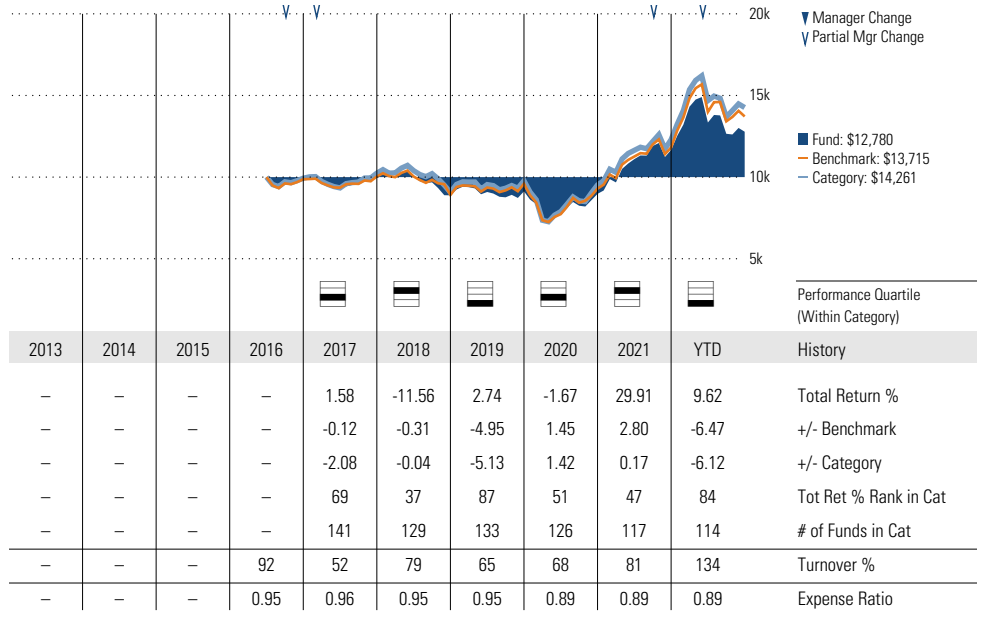
## Morningstar Investment Management LLC Analysis

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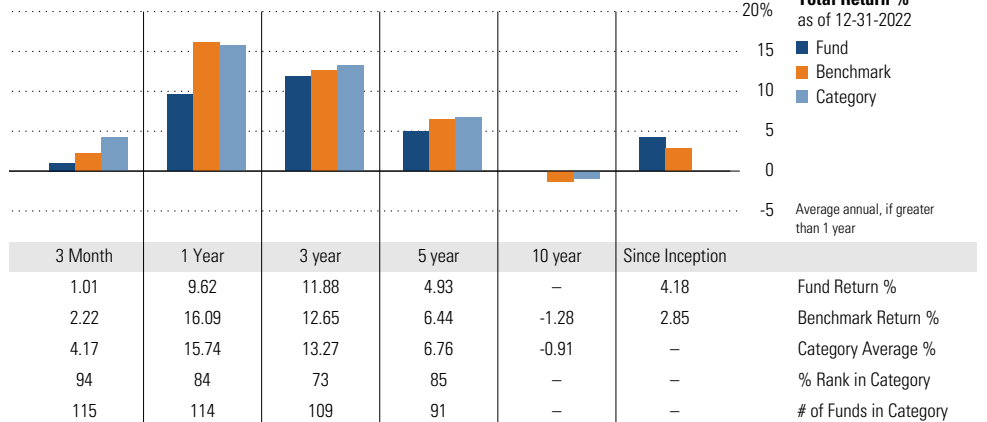
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	01-31-2023

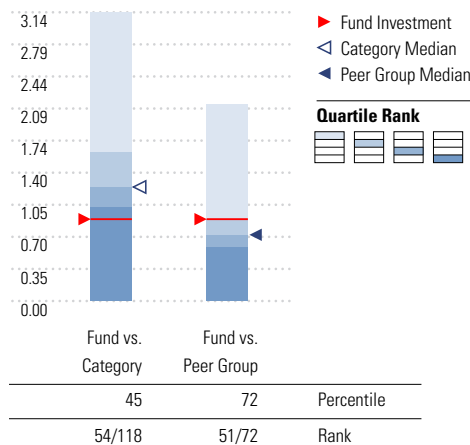
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.16	-	0.33
Beta	0.92	-	1.03
R-Squared	96.75	-	85.73
Standard Deviation	17.46	18.64	21.05
Sharpe Ratio	0.68	0.69	0.67
Tracking Error	3.47	-	7.78
Information Ratio	-0.22	-	0.09
Up Capture Ratio	90.30	-	102.74
Down Capture Ratio	88.68	-	103.18

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	-	-	7.93
Price/Book Ratio	-	-	1.87
Geom Avg Mkt Cap \$B	0.87	-	44.07
ROE	-	-	27.17

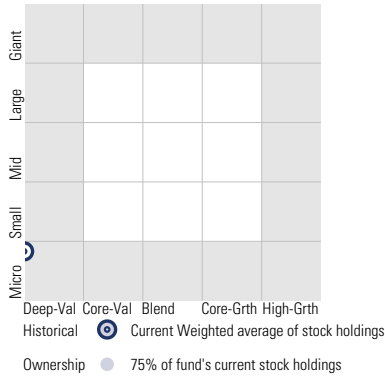
# DWS Enhanced Commodity Strategy R6 SKRRX

**Morningstar Category**  
Commodities Broad Basket

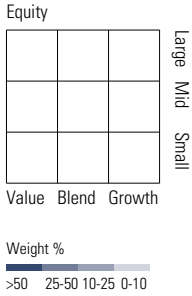
**Morningstar Index**  
Bloomberg Commodity TR USD

## Style Analysis as of 12-31-2022

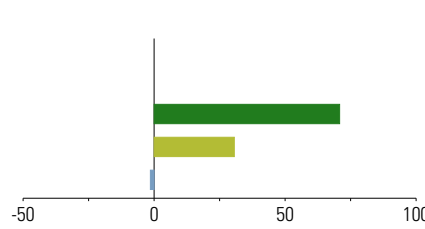
Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 12-31-2022



Asset Class	Net %	Cat%
US Stocks	0.00	0.15
Non-US Stocks	0.00	0.92
Bonds	70.81	33.75
Cash	30.61	47.21
Other	-1.42	17.97
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2022

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Cyclical</b>	-	-	<b>44.68</b>			
Basic Materials	-	-	44.68			
Consumer Cyclical	-	-	0.00			
Financial Services	-	-	0.00			
Real Estate	-	-	0.00			
<b>Sensitive</b>	-	-	<b>51.07</b>			
Communication Services	-	-	0.00			
Energy	-	-	48.94			
Industrials	-	-	2.13			
Technology	-	-	0.00			
<b>Defensive</b>	-	-	<b>4.26</b>			
Consumer Defensive	-	-	4.26			
Healthcare	-	-	0.00			
Utilities	-	-	0.00			

## Top 0 Holdings as of 12-31-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
------	-------------	--------------	--------------	--------------------

**Total Holdings 0**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Federated Hermes Govt Ultrashort R6 FGULX

**Morningstar Category**  
Ultrashort Bond

**Morningstar Index**  
Bloomberg US Agg Bond TR USD

## Portfolio Manager(s)

Susan Hill since 07-1997  
Liam O'Connell since 11-2010

## Quantitative Screens

✔ **Performance:** The fund has finished in the Ultrashort Bond category's top three quartiles in 5 of the 6 years it's been in existence.

✔ **Management:** The fund's management has been in place for 25.49 years.

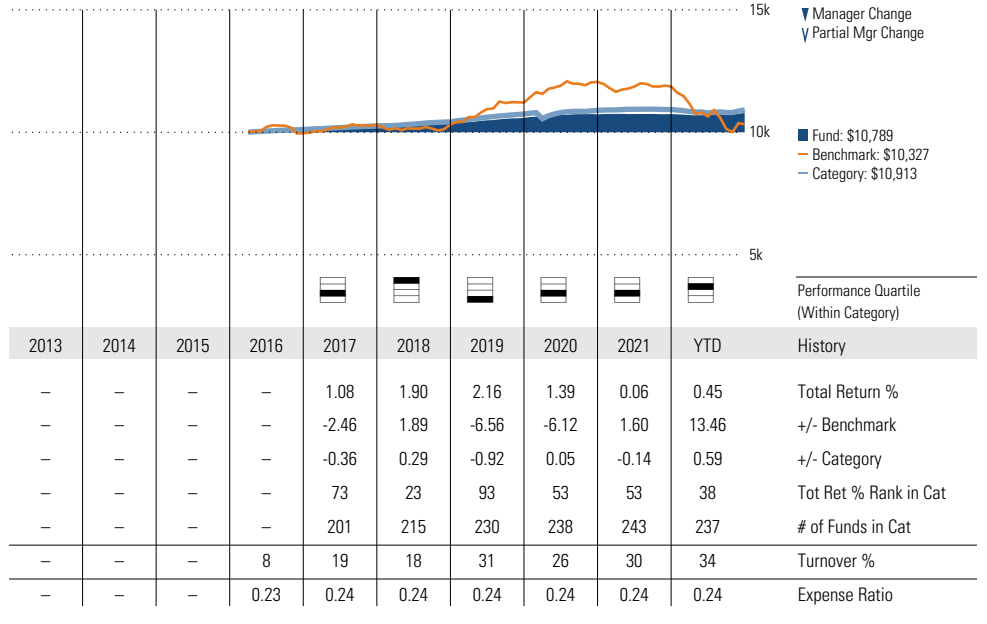
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.24 is 47.83% lower than the Ultrashort Bond category average.

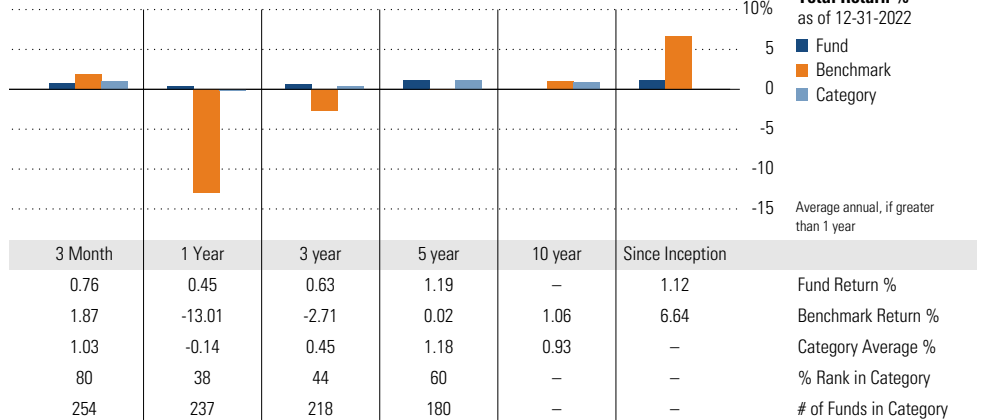
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

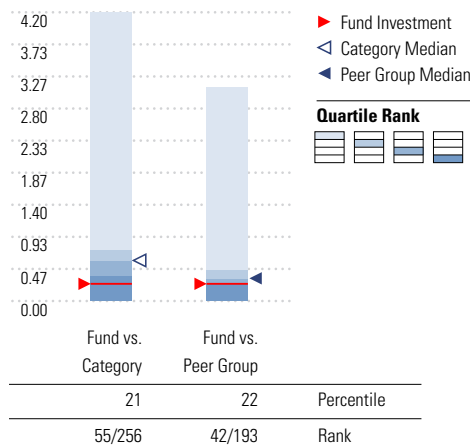
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.78	-	0.76
Beta	0.06	-	0.12
R-Squared	30.83	-	17.12
Standard Deviation	0.59	5.85	1.94
Sharpe Ratio	-0.36	-0.58	-0.30
Tracking Error	5.55	-	5.59
Information Ratio	0.60	-	0.56
Up Capture Ratio	10.24	-	22.64
Down Capture Ratio	0.26	-	11.26

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	0.30	4.43	0.72
Avg Eff Maturity	2.84	-	3.41

# Federated Hermes Govt Ultrashort R6 FGULX

**Morningstar Category**  
Ultrashort Bond

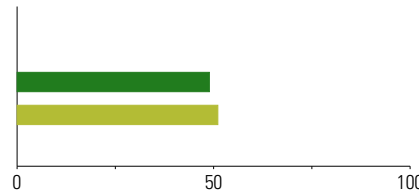
**Morningstar Index**  
Bloomberg US Agg Bond TR USD

**Style Analysis** as of 12-31-2022

**Style Breakdown**



**Asset Allocation** as of 12-31-2022

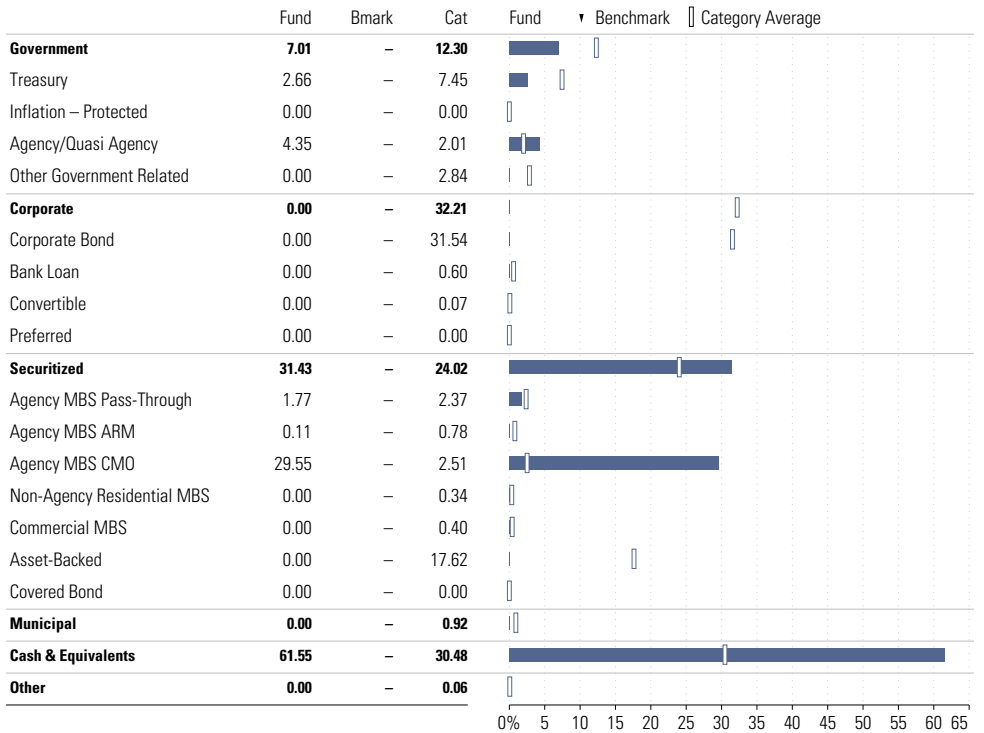


Asset Class	Net %	Cat%
US Stocks	0.00	0.00
Non-US Stocks	0.00	0.00
Bonds	48.92	65.14
Cash	51.08	35.06
Other	0.00	-0.20
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Credit Rating Breakdown**

	Fund	Bmark	Cat
AAA	100.00	3.53	45.58
AA	0.00	74.59	9.37
A	0.00	10.82	22.58
BBB	0.00	8.32	16.39
BB	0.00	0.28	0.81
B	0.00	0.00	0.43
Below B	0.00	0.00	0.09
Not Rated	0.00	2.46	4.75

**Sector Weighting** as of 12-31-2022



**Top 10 Holdings** as of 12-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ Hsbc Repo 2 Repo	01-2023	20.09	20.09	-
⊕ Bank Of Montreal 3 Repo	01-2023	20.09	40.19	-
⊕ Tdsec Repo 1 Repo	01-2023	9.34	49.53	-
⊕ FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 4.8244%	10-2032	2.99	52.52	-
⊕ FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 4.60536%	11-2032	2.61	55.13	-
⊕ FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 4.56536%	11-2032	2.35	57.48	-
⊖ Federal National Mortgage Association 4.88871%	08-2059	2.19	59.67	-
⊖ Federal National Mortgage Association 4.83871%	06-2050	1.94	61.61	-
⊖ Federal Home Loan Mortgage Corporation 4.83871%	09-2049	1.81	63.42	-
⊖ Federal Home Loan Mortgage Corporation 4.83871%	01-2050	1.57	64.99	-

**Total Holdings** 202

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# Franklin Small Cap Growth R6 FSMLX

**Morningstar Category**  
Small Growth

**Morningstar Index**  
Russell 2000 Growth TR USD

## Portfolio Manager(s)

Michael McCarthy since 05-2000  
Bradley Carris since 03-2004

## Quantitative Screens

✔ **Performance:** The fund has finished in the Small Growth category's top three quartiles in 8 of the 9 years it's been in existence.

✔ **Management:** The fund's management has been in place for 22.68 years.

✔ **Style:** The fund has landed in its primary style box — Small Growth — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.64 is 46.22% lower than the Small Growth category average.

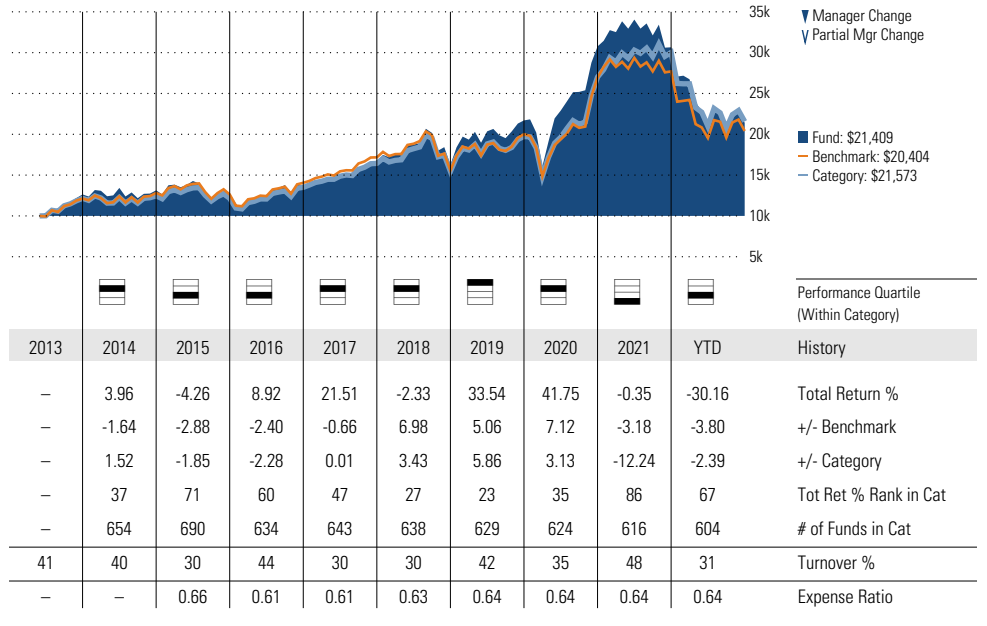
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

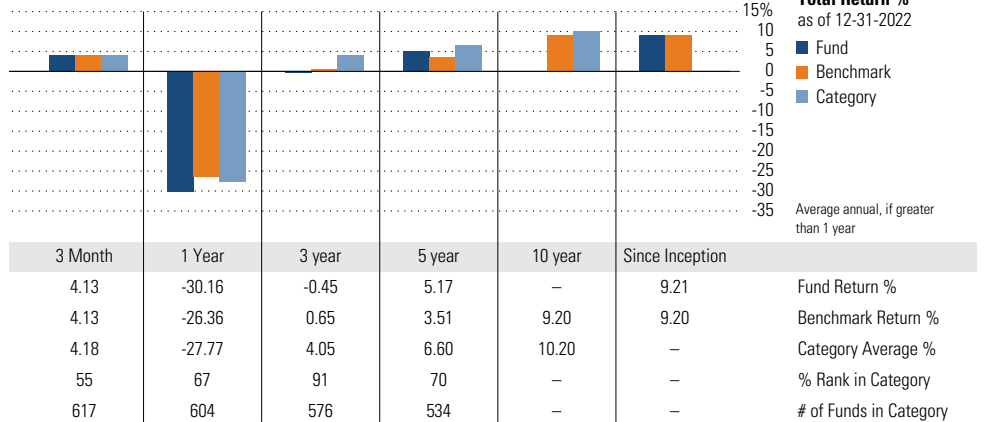
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	01-31-2023
Carbon Risk Score	Medium Risk	12-31-2022

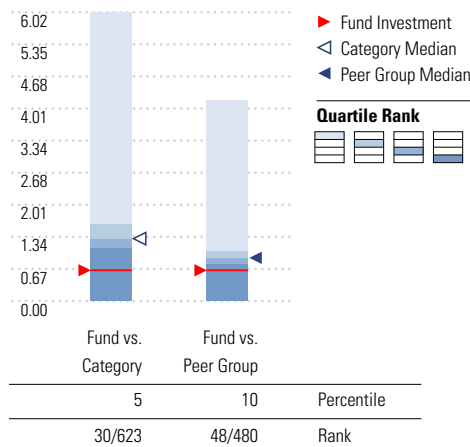
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.89	-	2.83
Beta	0.98	-	0.95
R-Squared	92.85	-	91.46
Standard Deviation	27.07	26.57	26.53
Sharpe Ratio	0.08	0.12	0.22
Tracking Error	7.26	-	7.92
Information Ratio	-0.15	-	0.35
Up Capture Ratio	97.43	-	101.46
Down Capture Ratio	100.61	-	94.05

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	11.76	13.28	21.13
Price/Book Ratio	2.38	3.39	3.57
Geom Avg Mkt Cap \$B	2.90	2.51	4.52
ROE	5.44	12.50	12.24

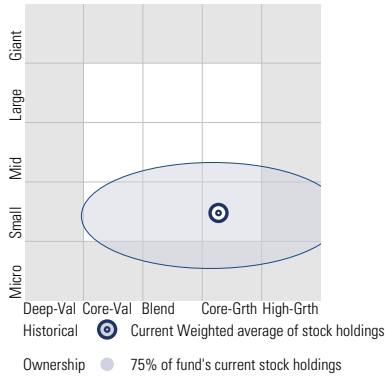
# Franklin Small Cap Growth R6 FSMLX

**Morningstar Category**  
Small Growth

**Morningstar Index**  
Russell 2000 Growth TR USD

## Style Analysis as of 12-31-2022

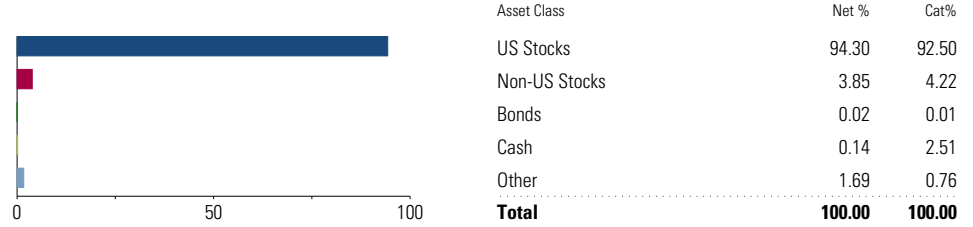
Morningstar Style Box™



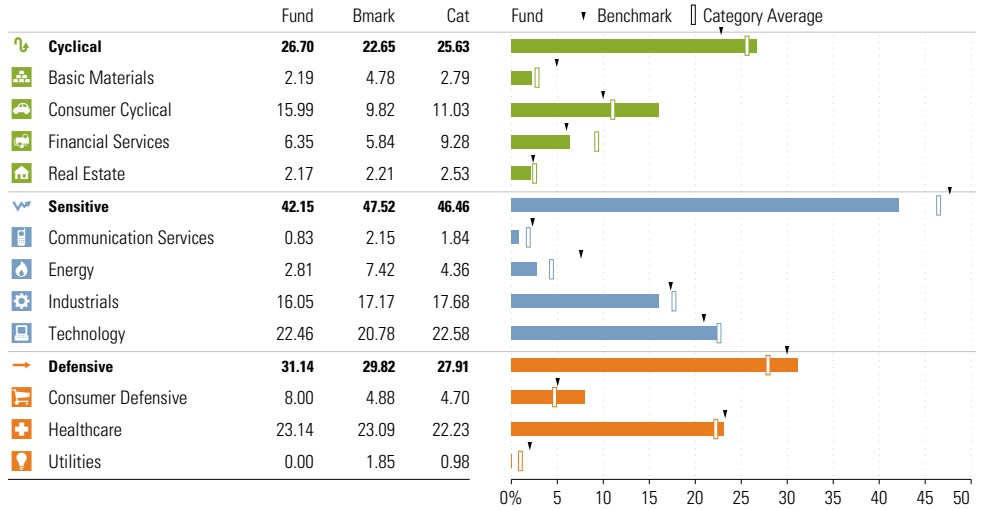
## Style Breakdown



## Asset Allocation as of 12-31-2022



## Sector Weighting as of 12-31-2022



## Top 0 Holdings as of 12-31-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
------	-------------	--------------	--------------	--------------------

**Total Holdings 0**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# JPMorgan Large Cap Growth R6 JLGMX

**Morningstar Category**  
Large Growth

**Morningstar Index**  
Russell 1000 Growth TR USD

## Portfolio Manager(s)

Giri Devulapally since 08-2004  
Joseph Wilson since 11-2020  
Larry Lee since 11-2020  
Holly Fleiss since 01-2022  
Robert Maloney since 11-2022

## Quantitative Screens

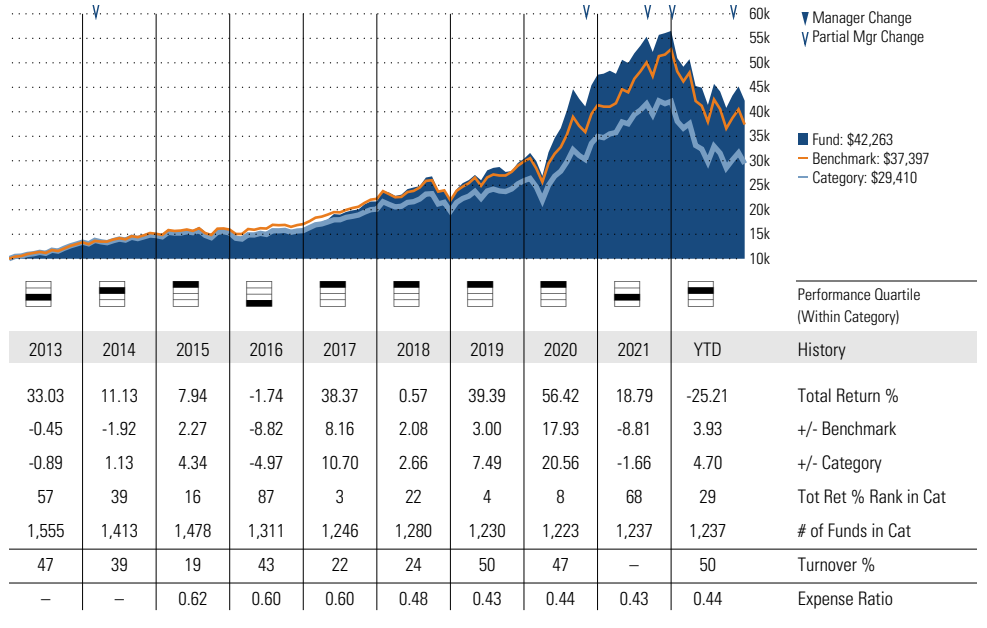
✔ **Performance:** The fund has finished in the Large Growth category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 18.42 years.

✔ **Style:** The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.44 is 54.17% lower than the Large Growth category average.

## Growth of \$10,000



## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

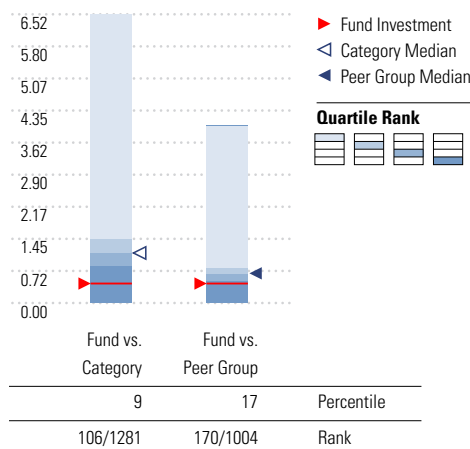
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	01-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	2-Basic	04-07-2022

## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	3.68	-	-2.73
Beta	0.98	-	0.97
R-Squared	95.99	-	93.03
Standard Deviation	23.75	23.80	24.00
Sharpe Ratio	0.54	0.39	0.27
Tracking Error	4.78	-	6.26
Information Ratio	0.80	-	-0.62
Up Capture Ratio	99.13	-	89.56
Down Capture Ratio	88.11	-	97.48

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	22.17	24.23	23.83
Price/Book Ratio	6.37	8.23	6.53
Geom Avg Mkt Cap \$B	194.59	222.04	263.75
ROE	40.41	41.41	37.70

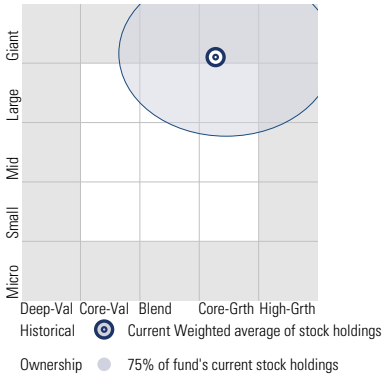
# JPMorgan Large Cap Growth R6 JLGMX

**Morningstar Category**  
Large Growth

**Morningstar Index**  
Russell 1000 Growth TR USD

## Style Analysis as of 12-31-2022

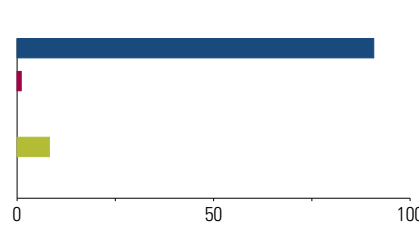
Morningstar Style Box™



## Style Breakdown

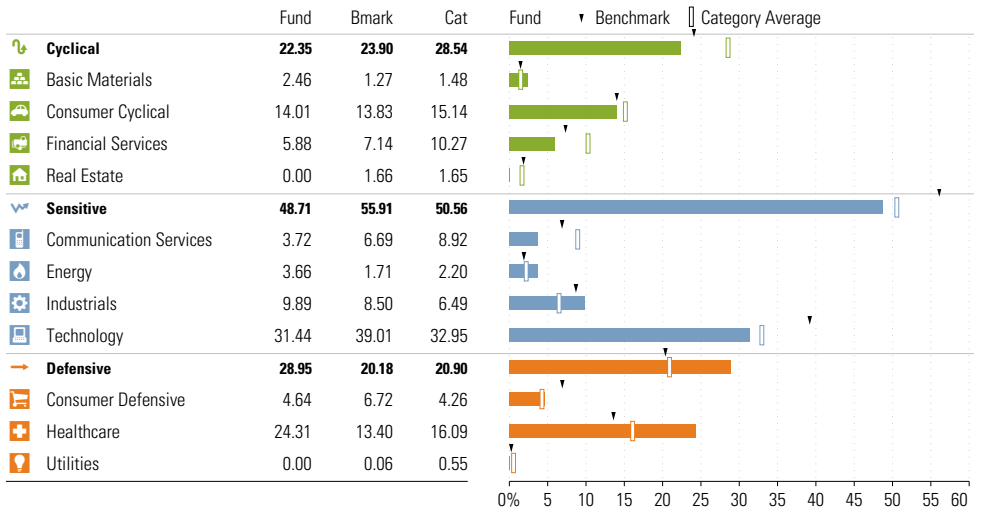


## Asset Allocation as of 12-31-2022



Asset Class	Net %	Cat%
US Stocks	90.75	93.06
Non-US Stocks	1.05	4.43
Bonds	0.00	0.02
Cash	8.21	1.70
Other	0.00	0.80
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2022



## Top 0 Holdings as of 12-31-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
------	-------------	--------------	--------------	--------------------

Total Holdings 0

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# JPMorgan US Equity R6 JUEMX

**Morningstar Category**  
Large Blend

**Morningstar Index**  
S&P 500 TR USD

## Portfolio Manager(s)

Scott Davis since 08-2014  
David Small since 07-2016  
Shilpee Raina since 11-2021

## Quantitative Screens

✔ **Performance:** The fund has finished in the Large Blend category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 8.38 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 66.67 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.44 is 42.86% lower than the Large Blend category average.

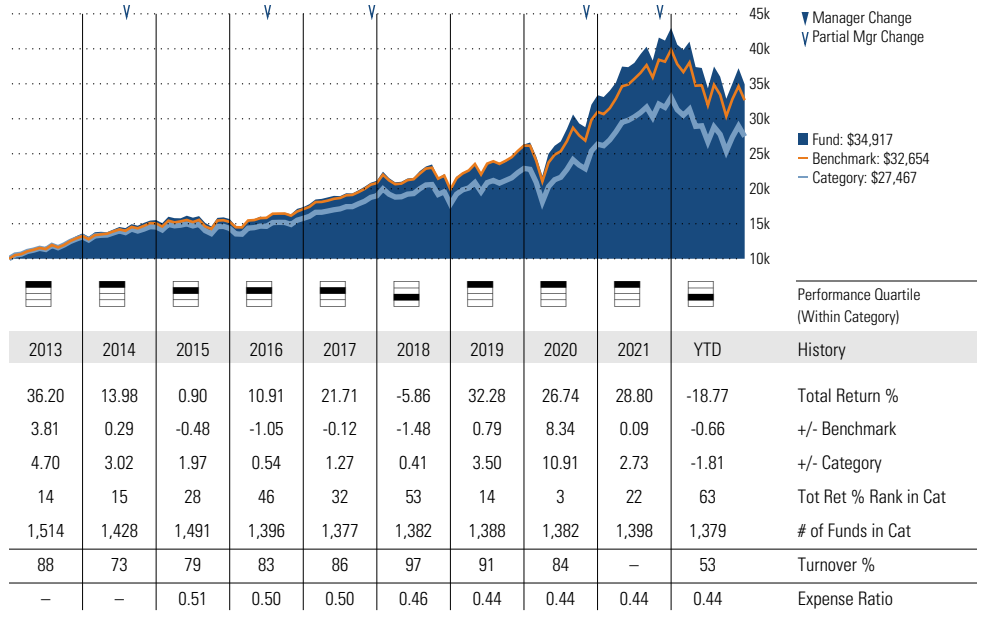
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

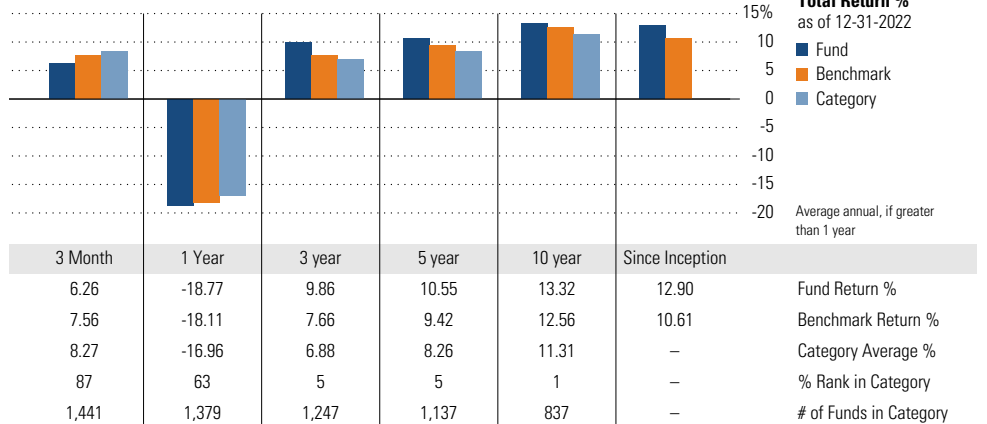
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	01-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	2-Basic	03-11-2022

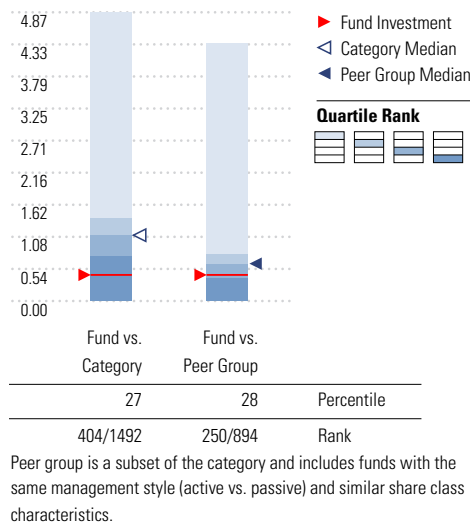
## Growth of \$10,000



## Trailing Performance



## Net Expense



## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	2.05	-	-0.68
Beta	1.00	-	0.96
R-Squared	98.51	-	95.98
Standard Deviation	21.34	21.16	20.73
Sharpe Ratio	0.50	0.41	0.36
Tracking Error	2.60	-	3.95
Information Ratio	0.85	-	-0.83
Up Capture Ratio	101.62	-	94.55
Down Capture Ratio	94.62	-	96.96

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	20.75	19.03	18.29
Price/Book Ratio	4.23	3.59	4.14
Geom Avg Mkt Cap \$B	173.90	161.22	211.02
ROE	29.40	31.17	36.63

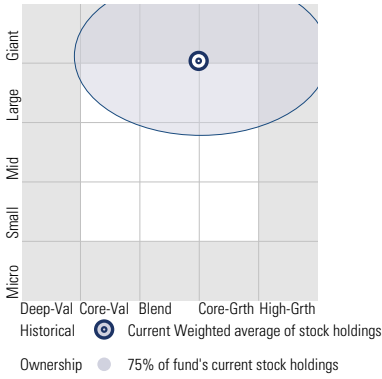
# JPMorgan US Equity R6 JUEMX

**Morningstar Category**  
Large Blend

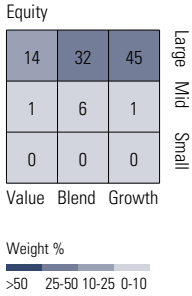
**Morningstar Index**  
S&P 500 TR USD

## Style Analysis as of 12-31-2022

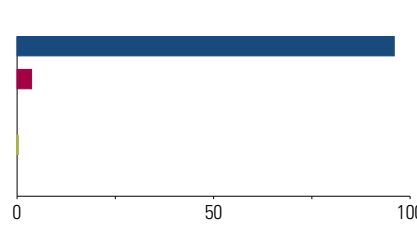
Morningstar Style Box™



## Style Breakdown

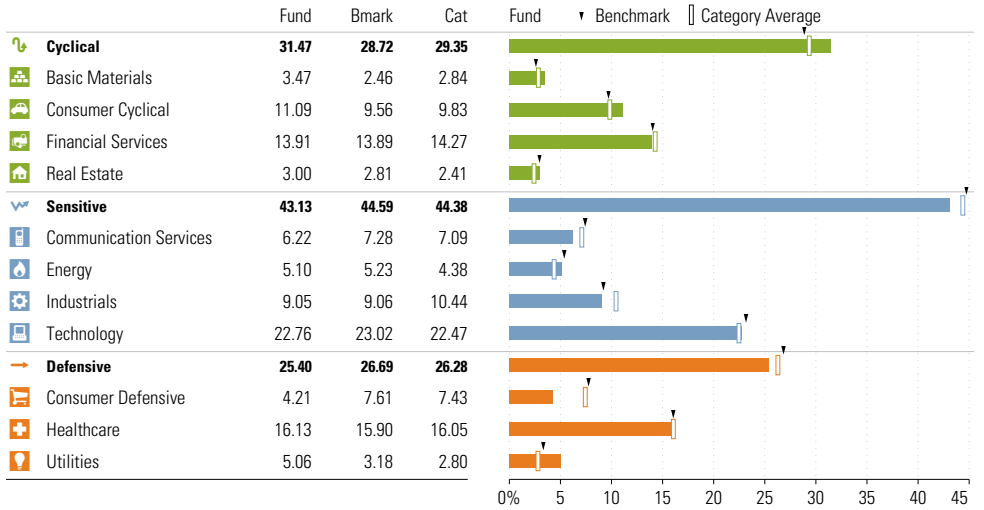


## Asset Allocation as of 12-31-2022



Asset Class	Net %	Cat%
US Stocks	95.96	94.79
Non-US Stocks	3.69	2.81
Bonds	0.00	0.84
Cash	0.35	0.45
Other	0.00	1.10
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2022



## Top 0 Holdings as of 12-31-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
------	-------------	--------------	--------------	--------------------

**Total Holdings 0**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Neuberger Berman Mid Cap Growth R6 NRMGX

**Morningstar Category**  
Mid-Cap Growth

**Morningstar Index**  
Russell Mid Cap Growth TR USD

## Portfolio Manager(s)

Chad Bruso since 01-2020  
Trevor Moreno since 01-2020  
Jennifer Blachford since 12-2021

## Quantitative Screens

✔ **Performance:** The fund has finished in the Mid-Cap Growth category's top three quartiles in 9 of the 9 years it's been in existence.

✔ **Management:** The fund's management has been in place for 19.93 years.

✔ **Style:** The fund has landed in its primary style box — Mid-Cap Growth — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.59 is 42.16% lower than the Mid-Cap Growth category average.

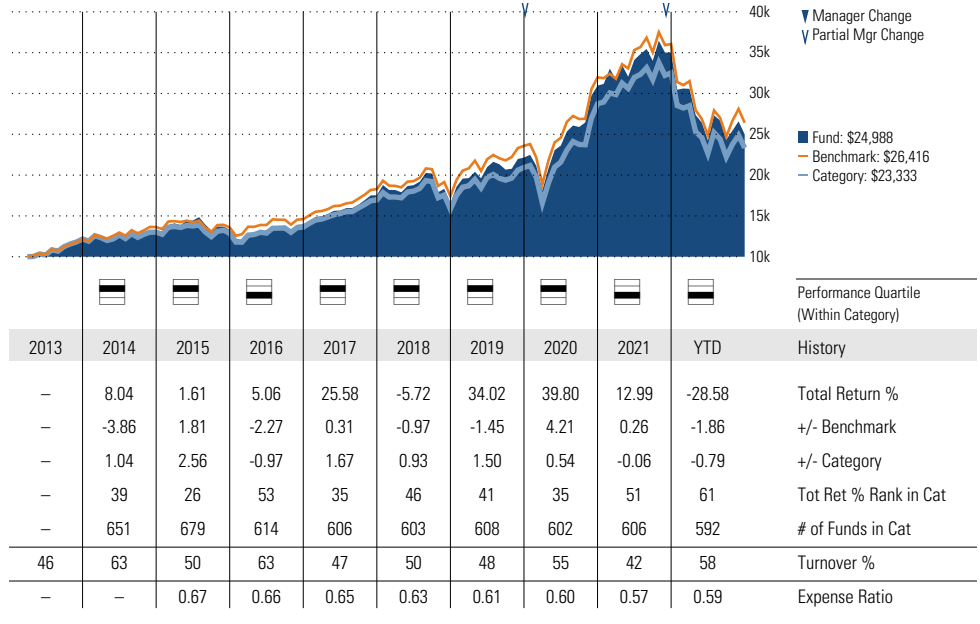
## Morningstar Investment Management LLC Analysis

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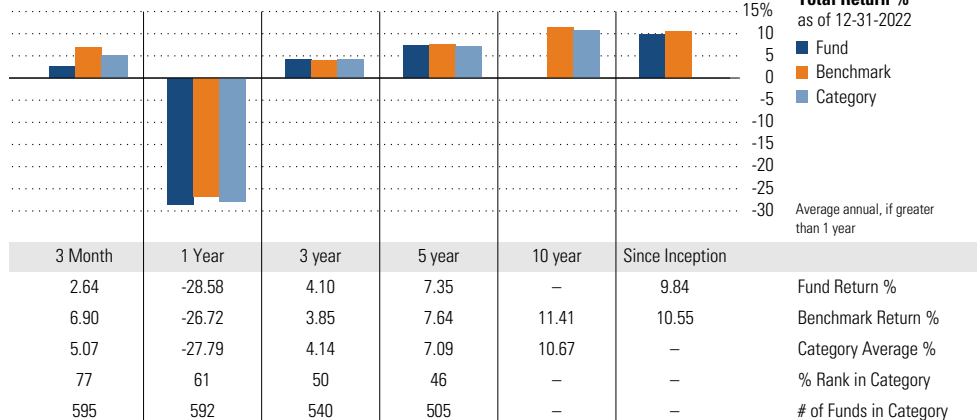
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	01-31-2023
Carbon Risk Score	Medium Risk	12-31-2022

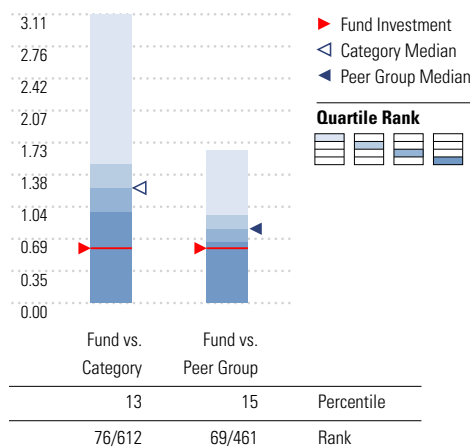
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.39	-	0.30
Beta	0.96	-	0.98
R-Squared	96.36	-	91.63
Standard Deviation	24.33	24.87	25.73
Sharpe Ratio	0.25	0.24	0.24
Tracking Error	4.74	-	7.31
Information Ratio	0.05	-	-0.10
Up Capture Ratio	98.50	-	99.65
Down Capture Ratio	97.67	-	99.89

## Portfolio Metrics

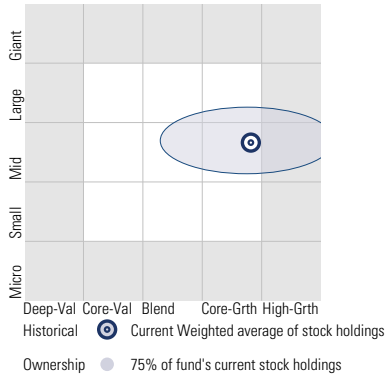
	Fund	Bmark	Cat
Price/Earnings Ratio	22.02	22.87	25.56
Price/Book Ratio	4.77	5.66	4.02
Geom Avg Mkt Cap \$B	19.47	19.63	16.01
ROE	20.19	28.34	19.80

# Neuberger Berman Mid Cap Growth R6 NRMGX

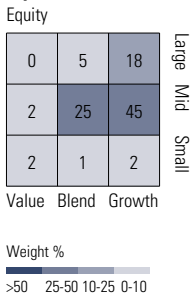
**Morningstar Category**  
Mid-Cap Growth

**Morningstar Index**  
Russell Mid Cap Growth TR USD

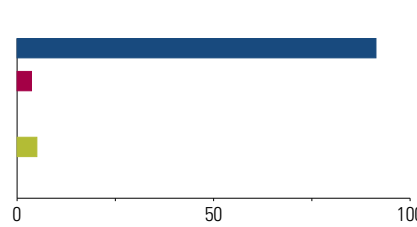
**Style Analysis** as of 12-31-2022  
Morningstar Style Box™



**Style Breakdown**

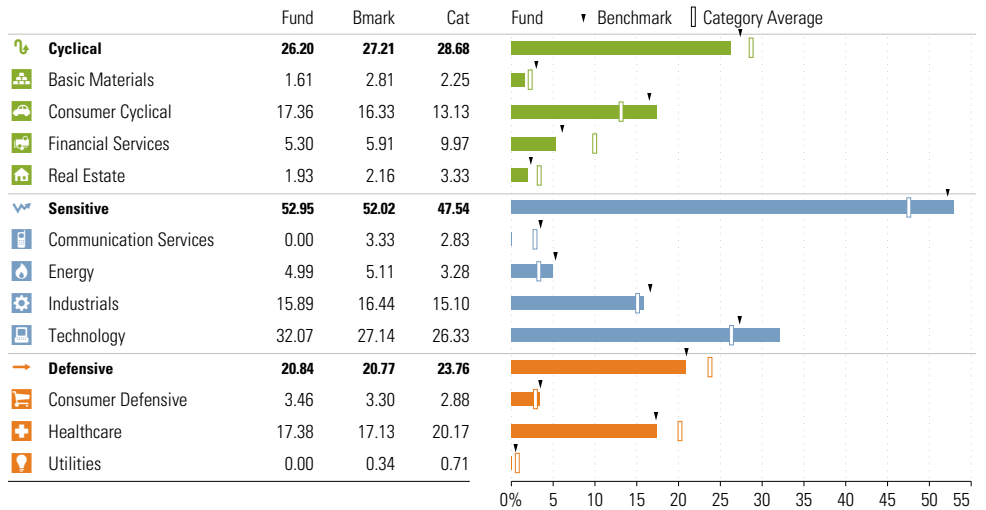


**Asset Allocation** as of 12-31-2022



Asset Class	Net %	Cat%
US Stocks	91.31	93.28
Non-US Stocks	3.66	3.72
Bonds	0.00	0.09
Cash	5.03	2.48
Other	0.00	0.44
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 12-31-2022



**Top 0 Holdings** as of 12-31-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
------	-------------	--------------	--------------	--------------------

**Total Holdings** 0

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# PIMCO Income Instl PIMIX

**Morningstar Category**  
Multisector Bond

**Morningstar Index**  
Bloomberg US Universal TR USD

## Portfolio Manager(s)

Daniel Ivascyn since 03-2007  
Alfred Murata since 03-2013  
Joshua Anderson since 07-2018

## Quantitative Screens

✔ **Performance:** The fund has finished in the Multisector Bond category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 15.77 years.

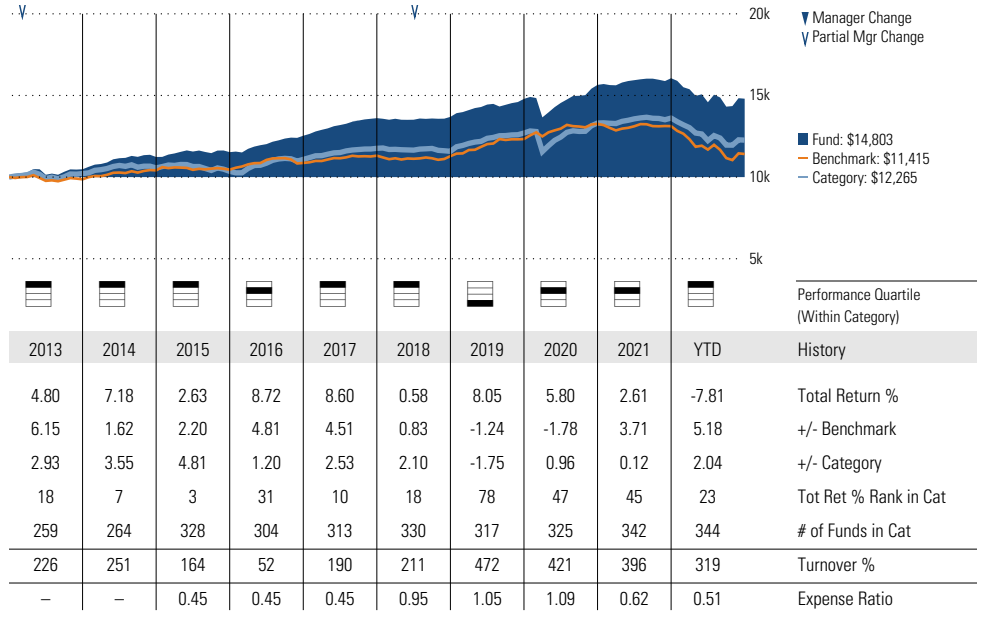
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.51 is 47.96% lower than the Multisector Bond category average.

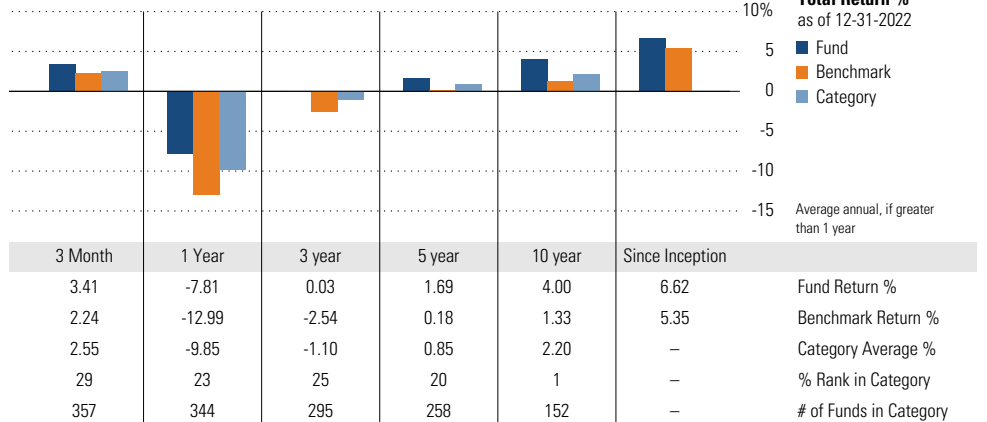
## Morningstar Investment Management LLC Analysis

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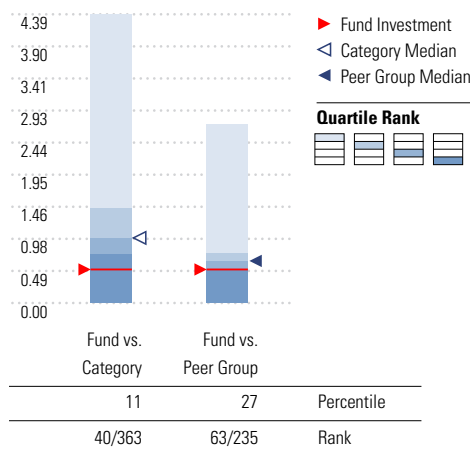
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	2.50	-	1.72
Beta	0.92	-	0.99
R-Squared	56.11	-	48.49
Standard Deviation	7.35	5.98	9.02
Sharpe Ratio	-0.08	-0.54	-0.16
Tracking Error	4.89	-	6.72
Information Ratio	0.52	-	0.28
Up Capture Ratio	104.42	-	109.62
Down Capture Ratio	75.32	-	91.61

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	3.83	4.55	4.04
Avg Eff Maturity	5.90	7.69	7.62

# PIMCO Income Instl PIMIX

**Morningstar Category**  
Multisector Bond

**Morningstar Index**  
Bloomberg US Universal TR USD

## Style Analysis as of 12-31-2022

### Style Breakdown



## Asset Allocation as of 12-31-2022



Asset Class	Net %	Cat%
US Stocks	1.15	1.19
Non-US Stocks	0.36	0.12
Bonds	129.67	92.17
Cash	-31.68	5.44
Other	0.52	1.07
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	48.99	67.64	21.99
AA	4.79	3.23	3.50
A	4.16	10.03	8.36
BBB	14.85	10.89	22.10
BB	14.13	3.19	18.54
B	4.43	3.64	12.52
Below B	8.66	1.38	4.17
Not Rated	0.00	0.00	8.81

## Sector Weighting as of 12-31-2022



## Top 10 Holdings as of 12-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
✳ Offset: Unsettled Trades	-	29.18	29.18	-
✳ Cash Offset	-	15.55	44.73	-
⊕ IRS USD 1.27000 11/04/22-1Y (WHT) LCH Pay	11-2023	14.02	58.75	-
⊕ IRS USD 1.27000 11/04/22-1Y (WHT) LCH Receive	11-2023	13.58	72.32	-
⊖ 10 Year Treasury Note Future Mar 23	03-2023	9.32	81.64	-
⊕ IRS EUR 2.95000 10/27/22-6Y* LCH Pay	03-2029	9.16	90.80	-
⊖ IRS USD 0.70000 12/14/21-3Y LCH Pay	12-2024	9.14	99.94	-
⊖ IRS USD 0.80000 12/14/21-3Y LCH Pay	12-2024	9.12	109.07	-
⊕ IRS EUR 2.95000 10/27/22-6Y* LCH Receive	03-2029	9.04	118.10	-
⊖ IRS USD 0.80000 12/14/21-3Y LCH Receive	12-2024	8.45	126.55	-

**Total Holdings 7956**

⊕ Increase ⊖ Decrease ✳ New to Portfolio

# Principal Real Estate Securities Fd R-6 PFRSX

**Morningstar Category**  
Real Estate

**Morningstar Index**  
S&P United States REIT TR USD

## Portfolio Manager(s)

Kelly Rush since 12-2000  
Anthony Kenkel since 06-2012  
Keith Bokota since 11-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Real Estate category's top three quartiles in 6 of the 6 years it's been in existence.

✔ **Management:** The fund's management has been in place for 22.08 years.

✔ **Style:** The fund has landed in its primary style box — Mid-Cap Blend — 97.14 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.8 is 22.33% lower than the Real Estate category average.

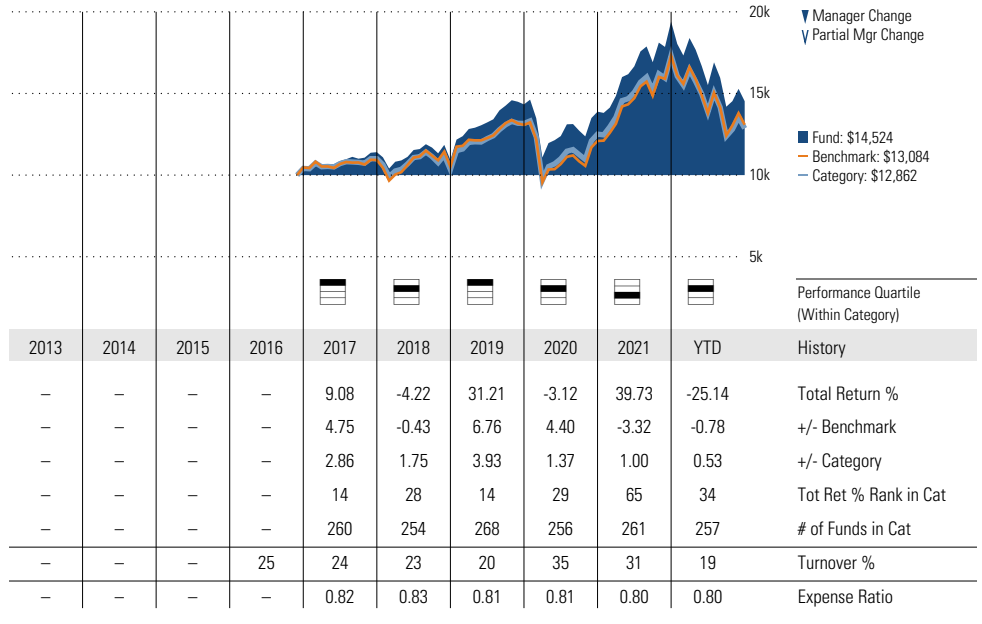
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

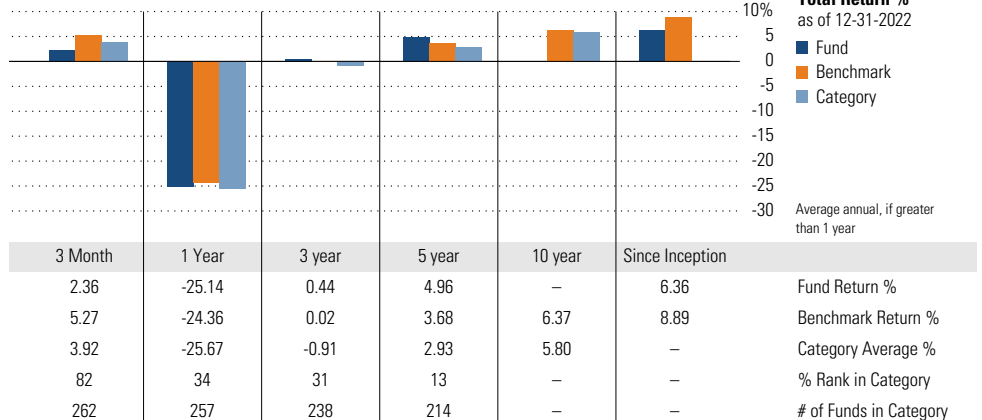
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	01-31-2023
Carbon Risk Score	Medium Risk	12-31-2022

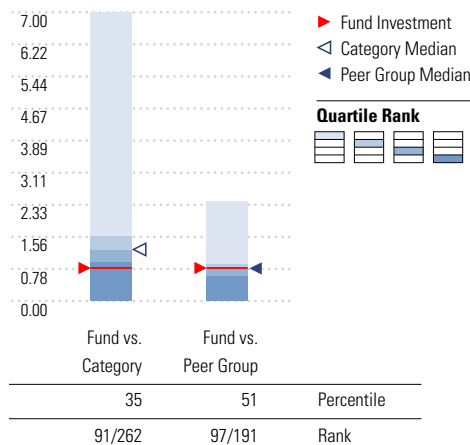
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.20	-	-0.42
Beta	0.91	-	0.94
R-Squared	98.18	-	93.47
Standard Deviation	21.73	23.61	22.85
Sharpe Ratio	0.09	0.08	0.07
Tracking Error	3.59	-	5.57
Information Ratio	0.12	-	-0.09
Up Capture Ratio	94.82	-	94.53
Down Capture Ratio	93.83	-	96.18

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	24.61	38.46	23.21
Price/Book Ratio	1.98	2.42	2.12
Geom Avg Mkt Cap \$B	17.69	9.35	24.92
ROE	12.84	9.56	17.43

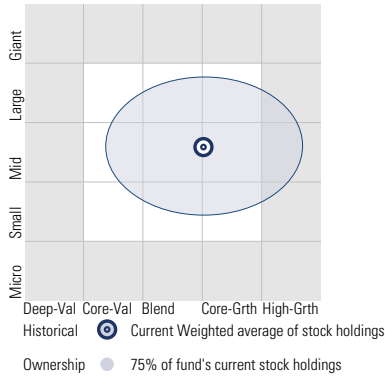
# Principal Real Estate Securities Fd R-6 PFRSX

**Morningstar Category**  
Real Estate

**Morningstar Index**  
S&P United States REIT TR USD

## Style Analysis as of 12-31-2022

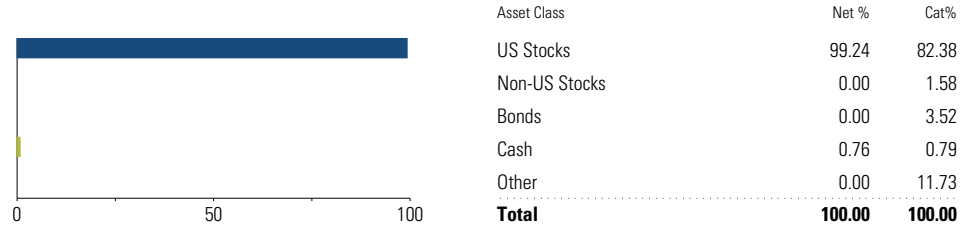
Morningstar Style Box™



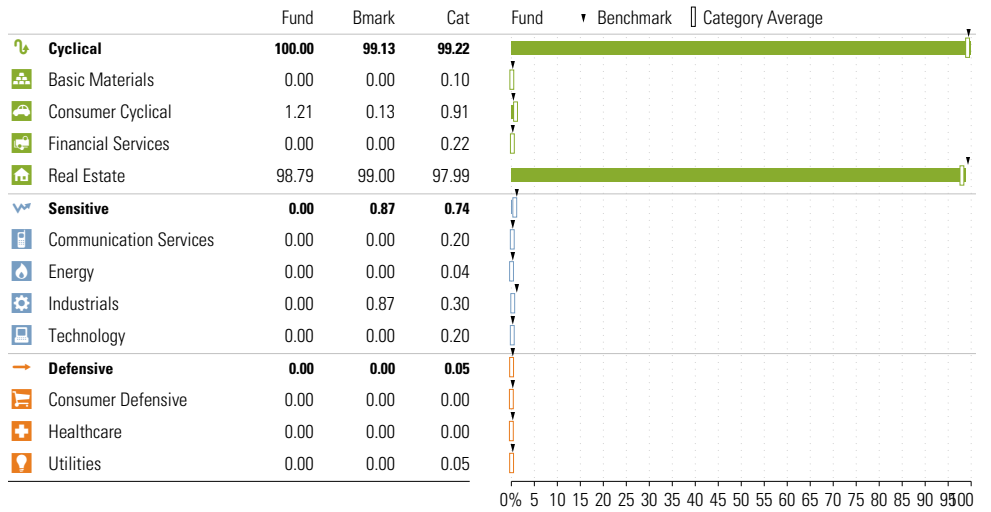
## Style Breakdown



## Asset Allocation as of 12-31-2022



## Sector Weighting as of 12-31-2022



## Top 0 Holdings as of 12-31-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
------	-------------	--------------	--------------	--------------------

**Total Holdings 0**

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# Vanguard 500 Index Admiral VFIAX

**Morningstar Category**  
Large Blend

**Morningstar Index**  
S&P 500 TR USD

## Portfolio Manager(s)

Donald Butler since 04-2016

Michelle Louie since 11-2017

## Quantitative Screens

✔ **Performance:** The fund has finished in the Large Blend category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 6.68 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.04 is 94.81% lower than the Large Blend category average.

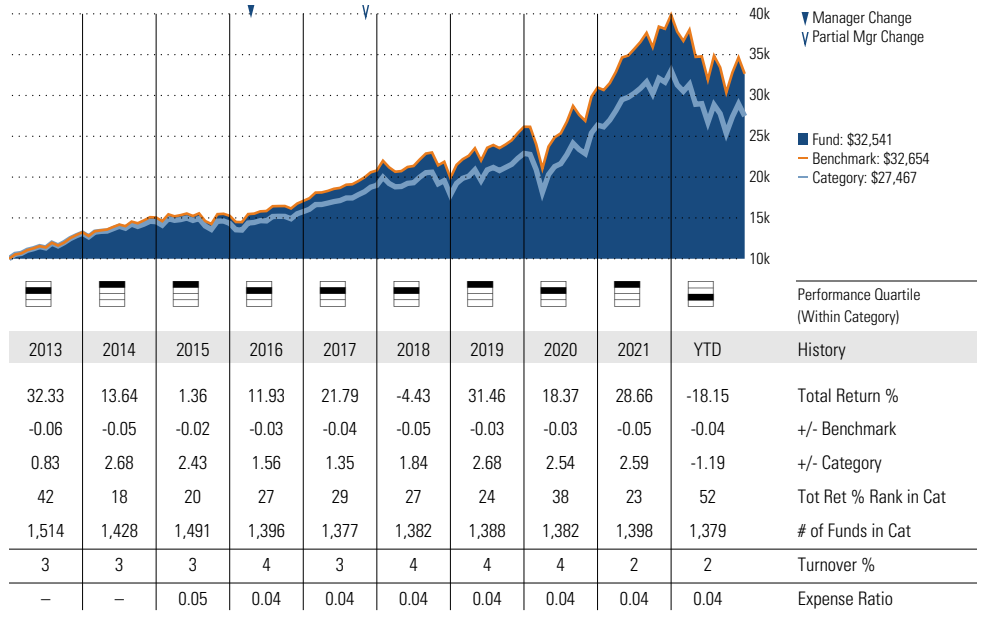
## Morningstar Investment Management LLC Analysis

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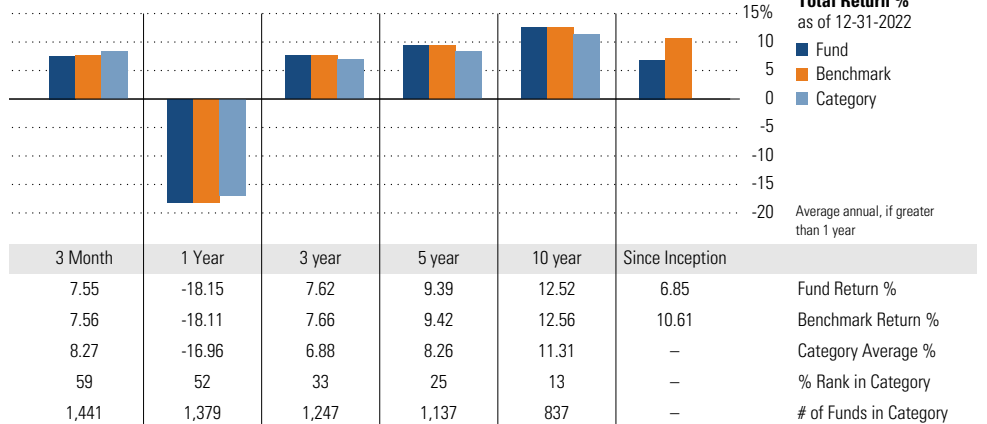
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	01-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

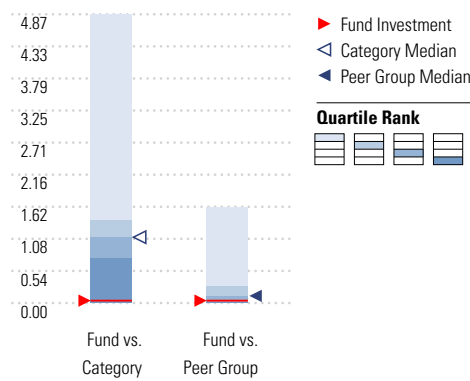
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-0.04	-	-0.68
Beta	1.00	-	0.96
R-Squared	100.00	-	95.98
Standard Deviation	21.17	21.16	20.73
Sharpe Ratio	0.41	0.41	0.36
Tracking Error	0.01	-	3.95
Information Ratio	-3.96	-	-0.83
Up Capture Ratio	99.95	-	94.55
Down Capture Ratio	100.07	-	96.96

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	19.04	19.03	18.29
Price/Book Ratio	3.59	3.59	4.14
Geom Avg Mkt Cap \$B	161.35	161.22	211.02
ROE	31.18	31.17	36.63

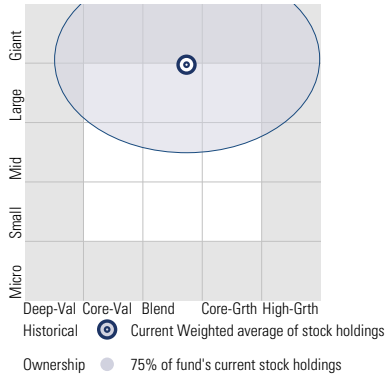
# Vanguard 500 Index Admiral VFIAX

**Morningstar Category**  
Large Blend

**Morningstar Index**  
S&P 500 TR USD

## Style Analysis as of 12-31-2022

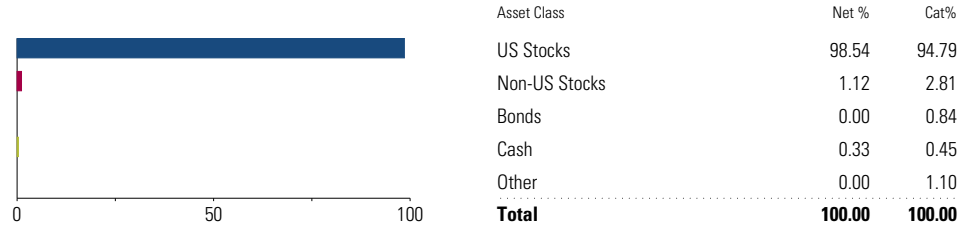
Morningstar Style Box™



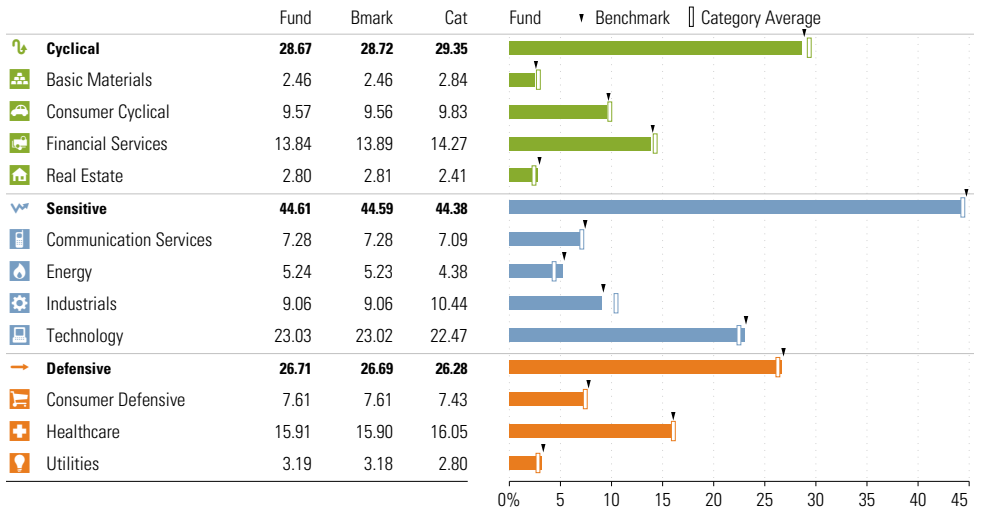
## Style Breakdown



## Asset Allocation as of 12-31-2022



## Sector Weighting as of 12-31-2022



## Top 15 Holdings as of 12-31-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Apple Inc	6.03	6.03	-26.32	Technology
Microsoft Corp	5.55	11.58	-27.94	Technology
Amazon.com Inc	2.31	13.90	-49.62	Consumer Cyclical
Berkshire Hathaway Inc Class B	1.73	15.63	3.31	Financial Services
Alphabet Inc Class A	1.64	17.26	-39.09	Communication Svc
UnitedHealth Group Inc	1.54	18.80	6.86	Healthcare
Alphabet Inc Class C	1.46	20.26	-38.67	Communication Svc
Johnson & Johnson	1.43	21.69	5.86	Healthcare
Exxon Mobil Corp	1.41	23.10	86.06	Energy
JPMorgan Chase & Co	1.22	24.32	-12.79	Financial Services
NVIDIA Corp	1.13	25.45	-50.26	Technology
Procter & Gamble Co	1.12	26.57	-5.14	Consumer Defensive
Visa Inc Class A	1.05	27.62	-3.40	Financial Services
Tesla Inc	1.03	28.64	-65.03	Consumer Cyclical
The Home Depot Inc	1.00	29.65	-22.06	Consumer Cyclical

**Total Holdings 509**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard High-Yield Corporate Adm VWEAX

**Morningstar Category**  
High Yield Bond

**Morningstar Index**  
ICE BofA US High Yield TR USD

## Portfolio Manager(s)

Michael Hong since 02-2008

## Quantitative Screens

✔ **Performance:** The fund has finished in the High Yield Bond category's top three quartiles in 8 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 14.89 years.

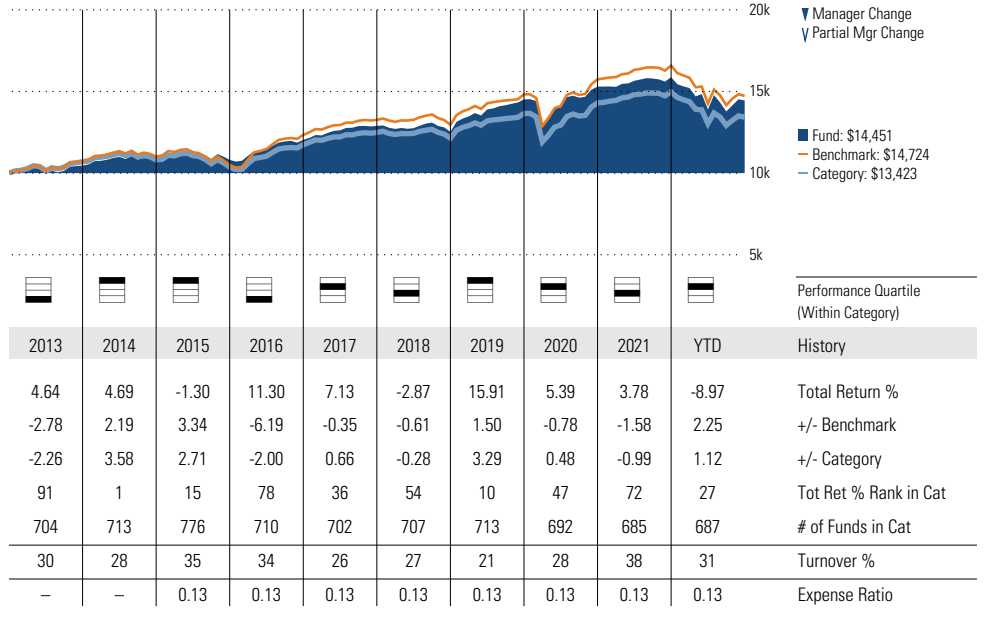
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.13 is 85.39% lower than the High Yield Bond category average.

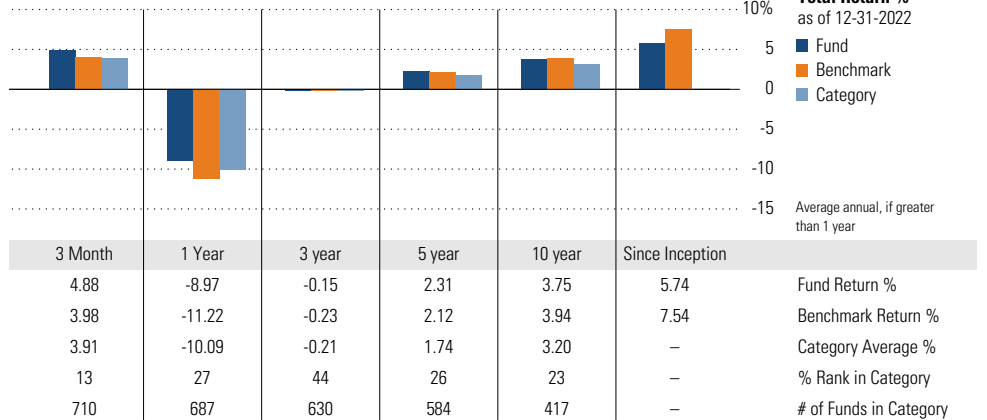
## Morningstar Investment Management LLC Analysis

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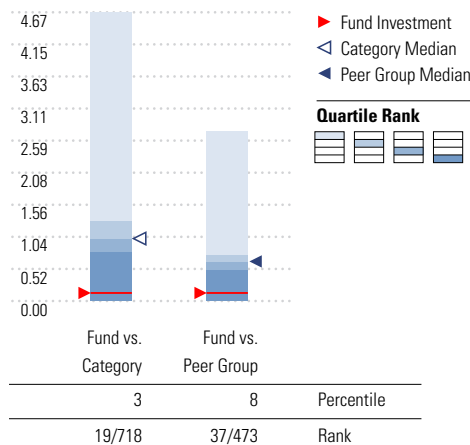
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.01	-	-0.09
Beta	0.90	-	0.94
R-Squared	97.99	-	94.99
Standard Deviation	10.27	11.25	10.89
Sharpe Ratio	-0.05	-0.04	-0.04
Tracking Error	1.82	-	2.51
Information Ratio	0.05	-	-0.11
Up Capture Ratio	90.24	-	92.06
Down Capture Ratio	89.98	-	93.01

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	3.94	-	3.39
Avg Eff Maturity	5.60	-	4.98

# Vanguard High-Yield Corporate Adm VWEAX

**Morningstar Category**  
High Yield Bond

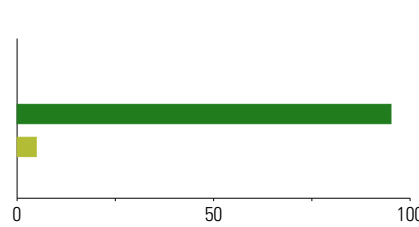
**Morningstar Index**  
ICE BofA US High Yield TR USD

## Style Analysis as of 12-31-2022

### Style Breakdown



## Asset Allocation as of 12-31-2022

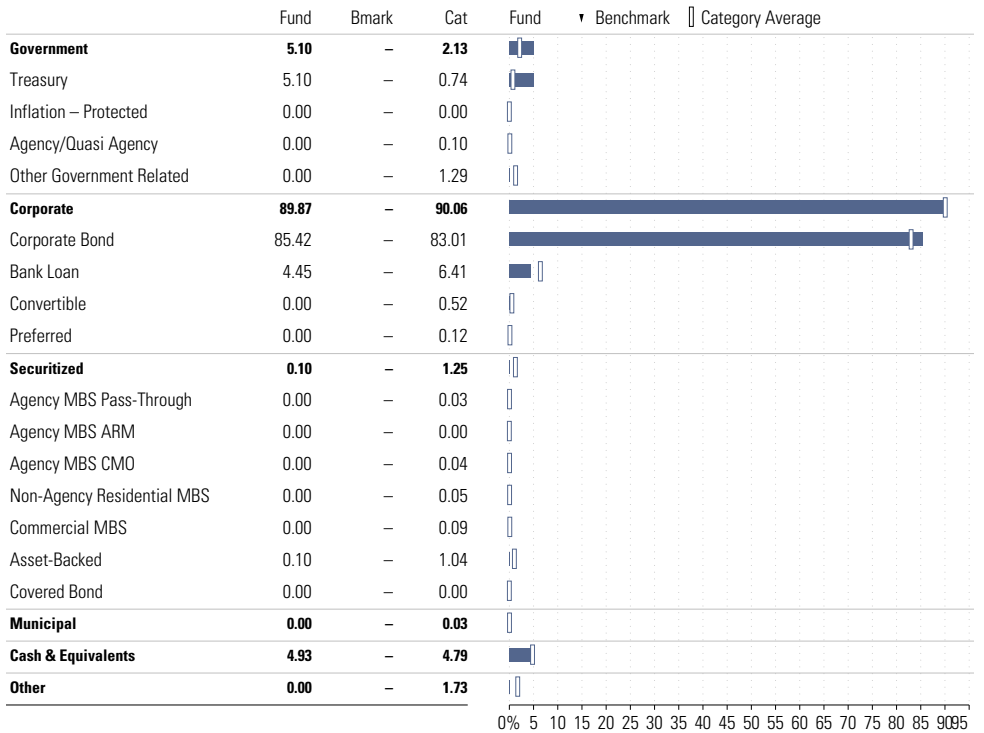


Asset Class	Net %	Cat%
US Stocks	0.00	0.73
Non-US Stocks	0.00	0.01
Bonds	95.13	93.67
Cash	4.87	1.76
Other	0.00	3.83
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

### Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	5.79	-	2.58
AA	2.12	-	0.16
A	0.10	-	0.28
BBB	5.61	-	5.54
BB	49.62	-	38.26
B	32.95	-	37.21
Below B	3.57	-	12.21
Not Rated	0.24	-	3.75

## Sector Weighting as of 12-31-2022



## Top 10 Holdings as of 12-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊖ United States Treasury Notes	-	1.73	1.73	-
Imola Merger Corp.	-	0.98	2.72	-
⊖ Herc Holdings Inc	-	0.82	3.54	-
United States Treasury Notes	-	0.75	4.29	-
United States Treasury Notes	-	0.75	5.04	-
⊕ Boa-Mtg Triparty Repo	-	0.72	5.76	-
⊕ Td Triparty Mortgage	-	0.70	6.46	-
⊕ United States Treasury Notes	-	0.67	7.13	-
⊕ Mozart Debt Merger Subordinated Inc.	-	0.66	7.79	-
Credit Suisse Group AG	-	0.64	8.43	-

**Total Holdings 742**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# Vanguard International Growth Adm VWILX

**Morningstar Category**  
Foreign Large Growth

**Morningstar Index**  
MSCI EAFE NR USD

## Portfolio Manager(s)

Simon Webber since 12-2009  
Thomas Coutts since 12-2016  
James Gautrey since 12-2020  
Lawrence Burns since 12-2020

## Quantitative Screens

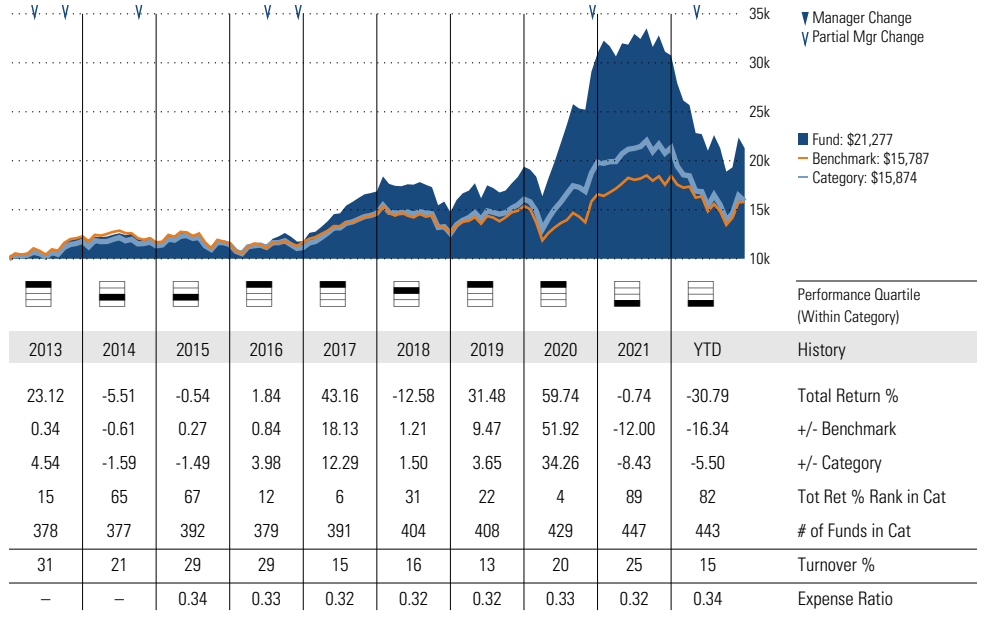
✔ **Performance:** The fund has finished in the Foreign Large Growth category's top three quartiles in 8 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 13.02 years.

✔ **Style:** The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.34 is 67.62% lower than the Foreign Large Growth category average.

## Growth of \$10,000



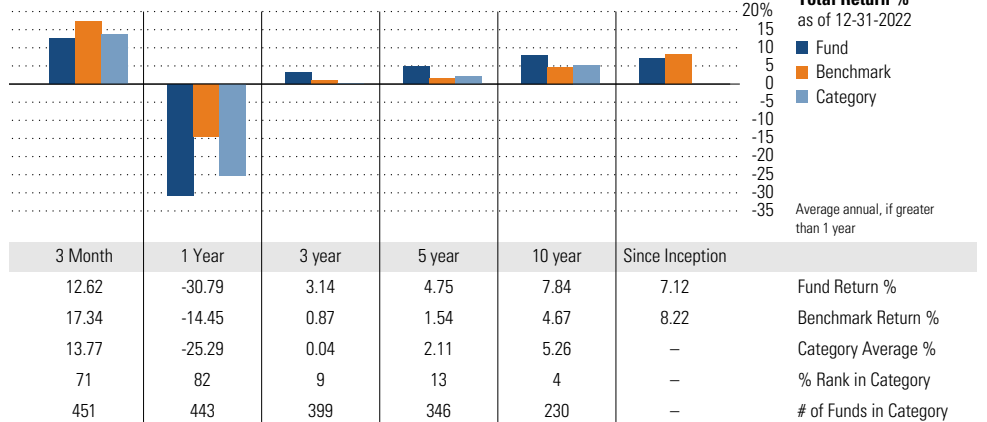
## Morningstar Investment Management LLC Analysis

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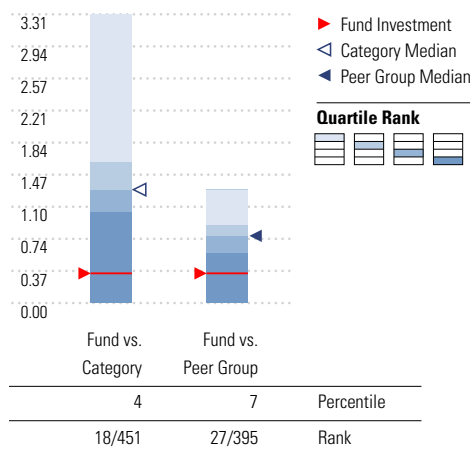
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	01-31-2023
Carbon Risk Score	Low Risk	12-31-2022

## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	3.07	-	-0.67
Beta	1.05	-	0.98
R-Squared	72.93	-	83.89
Standard Deviation	24.95	20.25	21.69
Sharpe Ratio	0.21	0.10	0.06
Tracking Error	13.02	-	8.76
Information Ratio	0.17	-	-0.10
Up Capture Ratio	103.23	-	99.00
Down Capture Ratio	95.06	-	102.84

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	17.02	12.65	19.09
Price/Book Ratio	3.11	1.56	2.99
Geom Avg Mkt Cap \$B	51.99	43.46	48.56
ROE	19.23	19.18	22.43

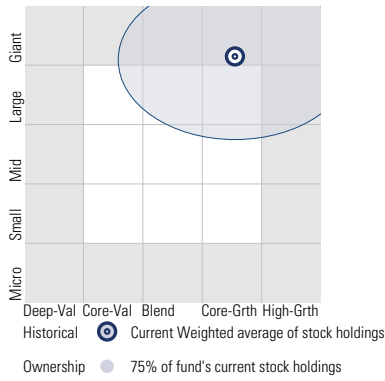
# Vanguard International Growth Adm VWILX

**Morningstar Category**  
Foreign Large Growth

**Morningstar Index**  
MSCI EAFE NR USD

## Style Analysis as of 12-31-2022

Morningstar Style Box™

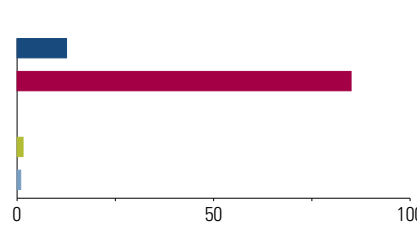


## Style Breakdown

Equity			Large Mid Small
Value	Blend	Growth	
9	28	46	
3	7	8	
0	0	0	



## Asset Allocation as of 12-31-2022

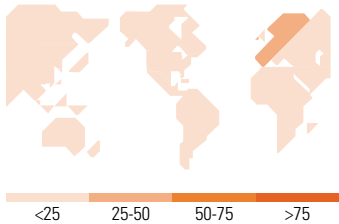


Asset Class	Net %	Cat%
US Stocks	12.58	6.95
Non-US Stocks	84.98	89.95
Bonds	0.00	0.00
Cash	1.52	2.55
Other	0.92	0.57
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2022

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Cyclical</b>	<b>35.62</b>	<b>39.68</b>	<b>34.80</b>	[Bar chart showing Cyclical sector weighting]		
Basic Materials	0.78	7.81	6.34	[Bar chart showing Basic Materials weighting]		
Consumer Cyclical	23.86	10.37	12.95	[Bar chart showing Consumer Cyclical weighting]		
Financial Services	10.98	18.69	14.78	[Bar chart showing Financial Services weighting]		
Real Estate	0.00	2.81	0.73	[Bar chart showing Real Estate weighting]		
<b>Sensitive</b>	<b>39.52</b>	<b>32.96</b>	<b>39.26</b>	[Bar chart showing Sensitive sector weighting]		
Communication Services	7.11	4.93	4.06	[Bar chart showing Communication Services weighting]		
Energy	1.78	5.06	4.02	[Bar chart showing Energy weighting]		
Industrials	11.24	14.88	15.97	[Bar chart showing Industrials weighting]		
Technology	19.39	8.09	15.21	[Bar chart showing Technology weighting]		
<b>Defensive</b>	<b>24.85</b>	<b>27.36</b>	<b>25.95</b>	[Bar chart showing Defensive sector weighting]		
Consumer Defensive	5.19	10.37	9.63	[Bar chart showing Consumer Defensive weighting]		
Healthcare	18.70	13.71	15.46	[Bar chart showing Healthcare weighting]		
Utilities	0.96	3.28	0.86	[Bar chart showing Utilities weighting]		

## World Regions % Equity 12-31-2022



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	30.58	27.34	Americas	19.40	14.74	Greater Europe	50.02	57.92	Developed Markets	79.91
Japan	7.30	11.60	North America	14.27	12.78	United Kingdom	6.21	12.49	Emerging Markets	20.09
Australasia	0.78	1.96	Central/Latin	5.13	1.96	W euro-ex UK	42.70	44.80	Not Available	0.00
Asia-4 Tigers	7.53	6.01				Emrgng Europe	0.00	0.02		
Asia-ex 4 Tigers	14.97	7.77				Africa	1.11	0.61		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 12-31-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
ASML Holding NV	5.08	5.08	-27.89	Technology
Moderna Inc	4.15	9.23	-29.28	Healthcare
MercadoLibre Inc	3.98	13.21	-37.24	Consumer Cyclical
Tencent Holdings Ltd	3.71	16.92	-24.05	Communication Svc
Adyen NV	3.30	20.22	-43.57	Technology
Taiwan Semiconductor Manufacturing Co Ltd	2.92	23.13	-25.28	Technology
Kering SA	2.77	25.90	-30.76	Consumer Cyclical
Genmab A/S	2.54	28.44	12.77	Healthcare
Meituan Class B	2.50	30.95	-15.77	Consumer Cyclical
Vestas Wind Systems A/S	2.15	33.10	2.59	Industrials

**Total Holdings 146**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# Vanguard International Value Inv VTRIX

**Morningstar Category**  
Foreign Large Value

**Morningstar Index**  
MSCI EAFE NR USD

## Portfolio Manager(s)

Michael Bennett since 05-2010  
 Michael Fry since 05-2010  
 Steven Morrow since 08-2012  
 A. Rama Krishna since 12-2012  
 Arjun Kumar since 10-2020  
 Shirley Woo since 10-2020

## Quantitative Screens

✔ **Performance:** The fund has finished in the Foreign Large Value category's top three quartiles in 8 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 12.6 years.

✔ **Style:** The fund has landed in its primary style box — Large Value — 66.67 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.36 is 63.27% lower than the Foreign Large Value category average.

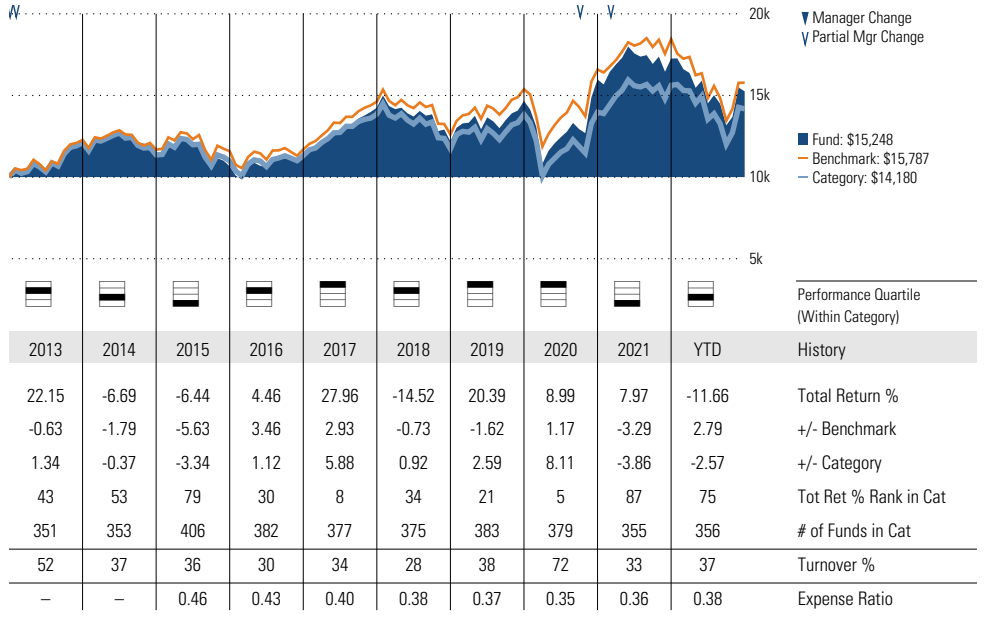
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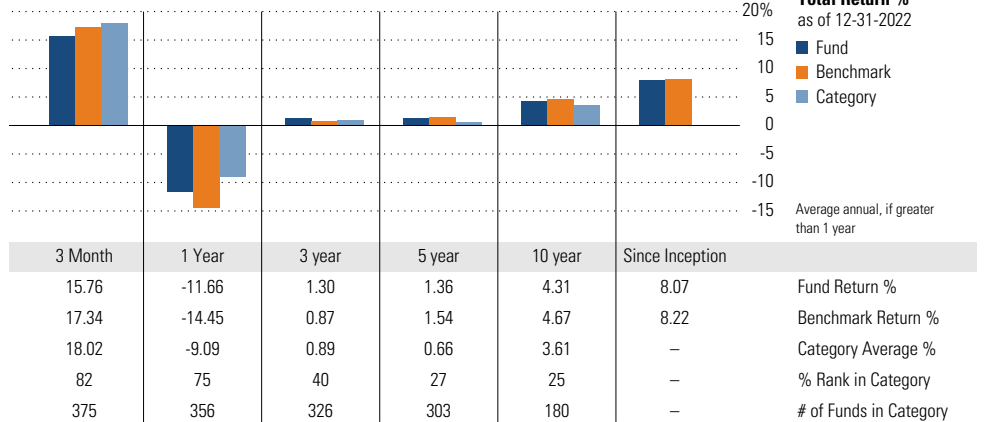
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	01-31-2023
Carbon Risk Score	Medium Risk	12-31-2022

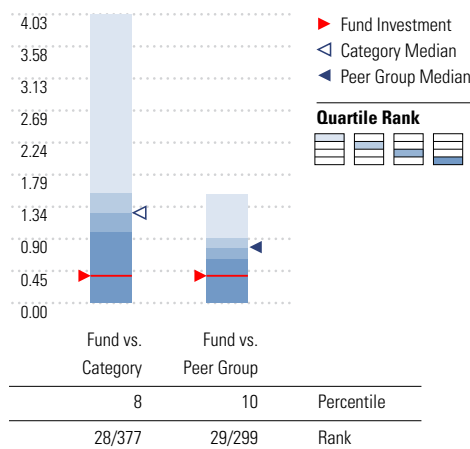
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.66	-	0.43
Beta	1.04	-	1.04
R-Squared	92.63	-	90.02
Standard Deviation	21.95	20.25	22.18
Sharpe Ratio	0.13	0.10	0.12
Tracking Error	6.02	-	7.29
Information Ratio	0.07	-	0.01
Up Capture Ratio	101.35	-	102.04
Down Capture Ratio	99.77	-	101.68

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	12.12	12.65	9.31
Price/Book Ratio	1.53	1.56	1.15
Geom Avg Mkt Cap \$B	28.83	43.46	32.72
ROE	16.05	19.18	17.40

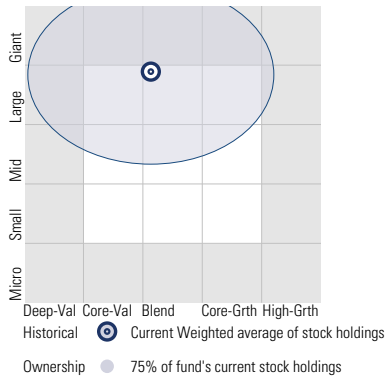
# Vanguard International Value Inv VTRIX

**Morningstar Category**  
Foreign Large Value

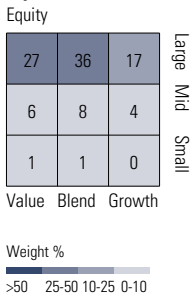
**Morningstar Index**  
MSCI EAFE NR USD

## Style Analysis as of 12-31-2022

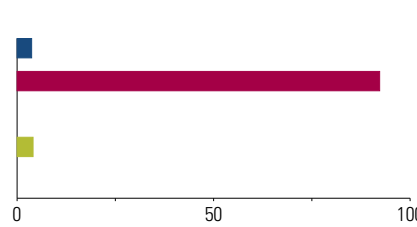
Morningstar Style Box™



## Style Breakdown

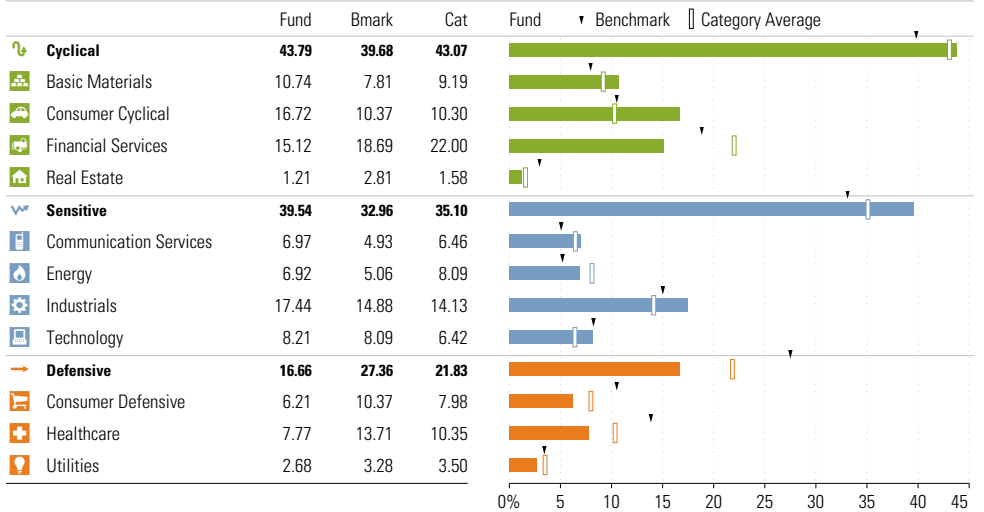


## Asset Allocation as of 12-31-2022



Asset Class	Net %	Cat%
US Stocks	3.70	2.88
Non-US Stocks	92.25	95.13
Bonds	0.00	0.14
Cash	4.06	1.66
Other	0.00	0.19
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2022



## World Regions % Equity 12-31-2022



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	40.34	31.96	Americas	9.51	8.66	Greater Europe	50.14	59.39	Developed Markets	79.78
Japan	10.52	17.50	North America	6.06	7.54	United Kingdom	14.97	17.54	Emerging Markets	20.22
Australasia	0.93	4.09	Central/Latin	3.45	1.12	W euro-ex UK	34.57	41.25	Not Available	0.00
Asia-4 Tigers	12.63	7.20				Emrgng Europe	0.00	0.13		
Asia-ex 4 Tigers	16.26	3.17				Africa	0.60	0.47		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 12-31-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Mktliq 12/31/2049	3.37	3.37	-	-
⊕ Alibaba Group Holding Ltd Ordinary Shares	2.07	5.44	-25.68	Consumer Cyclical
⊕ AIA Group Ltd	1.81	7.25	17.53	Financial Services
⊕ BP PLC	1.61	8.86	40.92	Energy
⊕ Airbus SE	1.61	10.47	0.80	Industrials
⊖ Holcim Ltd	1.56	12.03	7.68	Basic Materials
⊖ TotalEnergies SE	1.37	13.40	41.32	Energy
⊖ HSBC Holdings PLC	1.37	14.77	13.95	Financial Services
⊖ Sands China Ltd Shs Unitary 144A/Reg S	1.17	15.94	54.39	Consumer Cyclical
RELX PLC	1.16	17.10	-7.61	Communication Svc

**Total Holdings 224**

⊕ Increase ⊖ Decrease ✱ New to Portfolio



# Vanguard Selected Value Inv VASVX

**Morningstar Category**  
Mid-Cap Value

**Morningstar Index**  
Russell Mid Cap Value TR USD

## Portfolio Manager(s)

Richard Greenberg since 02-2005  
Richard Pzena since 03-2014  
John Flynn since 12-2015  
Benjamin Silver since 02-2017  
Jonathan Hartsel since 11-2019  
William Weber since 12-2019  
Mehul Trivedi since 12-2019

## Quantitative Screens

**Performance:** The fund has finished in the Mid-Cap Value category's top three quartiles in 8 of the 10 years it's been in existence.

**Management:** The fund's management has been in place for 17.86 years.

**Style:** The fund has landed in its primary style box — Mid-Cap Value — 100 % of the time over the past three years.

**Net Expense:** The fund's expense ratio of 0.32 is 67.35% lower than the Mid-Cap Value category average.

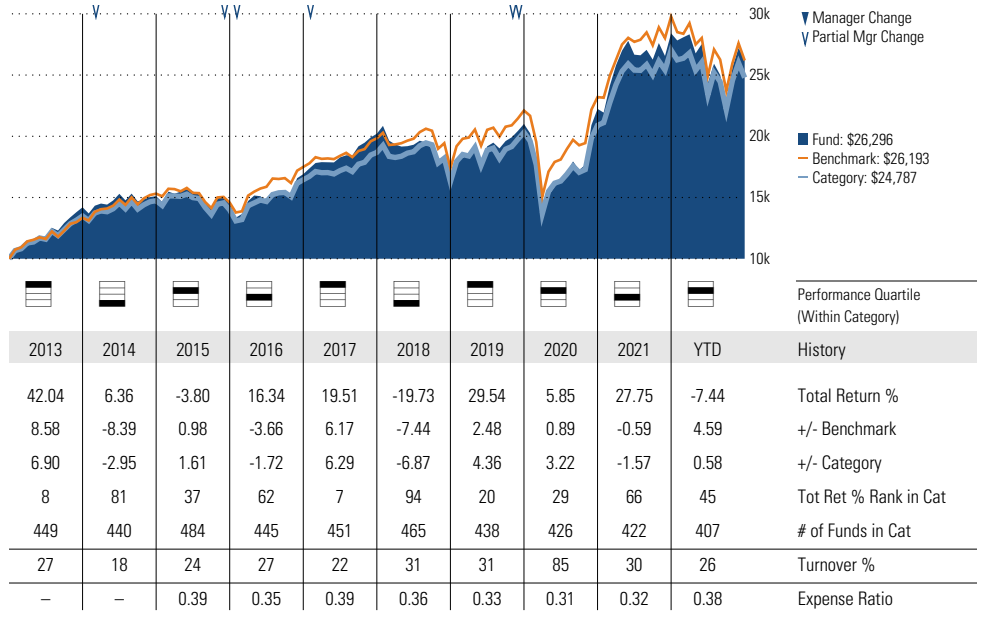
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

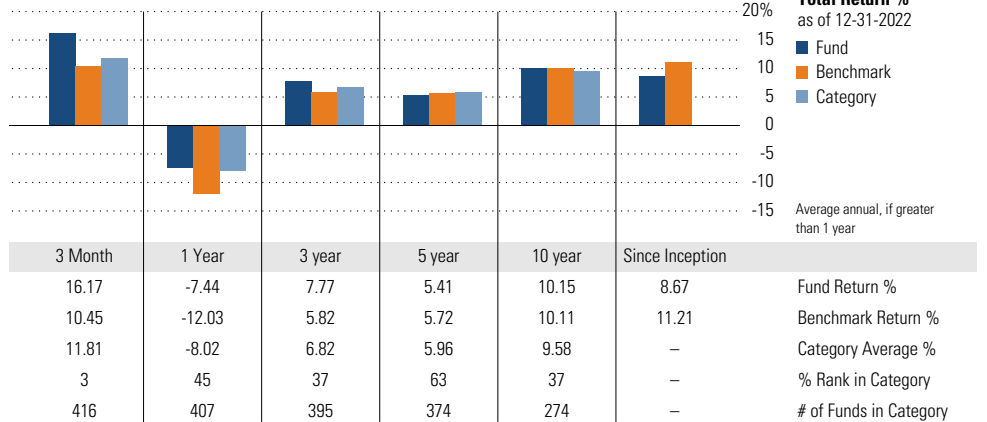
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	01-31-2023
Carbon Risk Score	Medium Risk	12-31-2022

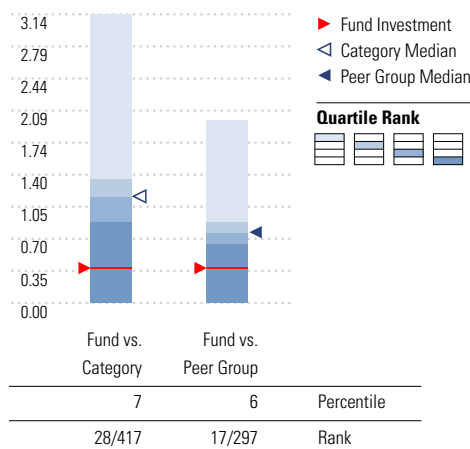
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	1.74	-	0.86
Beta	1.14	-	0.99
R-Squared	96.44	-	95.83
Standard Deviation	28.87	24.79	25.07
Sharpe Ratio	0.38	0.32	0.35
Tracking Error	6.51	-	5.36
Information Ratio	0.30	-	0.13
Up Capture Ratio	114.90	-	98.80
Down Capture Ratio	110.76	-	96.45

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	9.36	13.97	12.92
Price/Book Ratio	1.40	2.06	1.88
Geom Avg Mkt Cap \$B	8.07	16.01	12.31
ROE	14.48	15.78	17.41

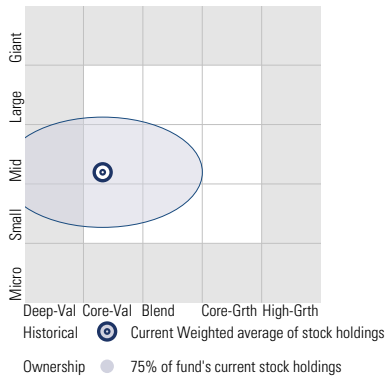
# Vanguard Selected Value Inv VASVX

**Morningstar Category**  
Mid-Cap Value

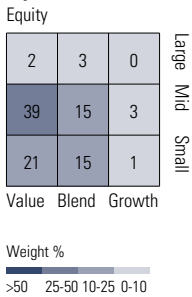
**Morningstar Index**  
Russell Mid Cap Value TR USD

## Style Analysis as of 12-31-2022

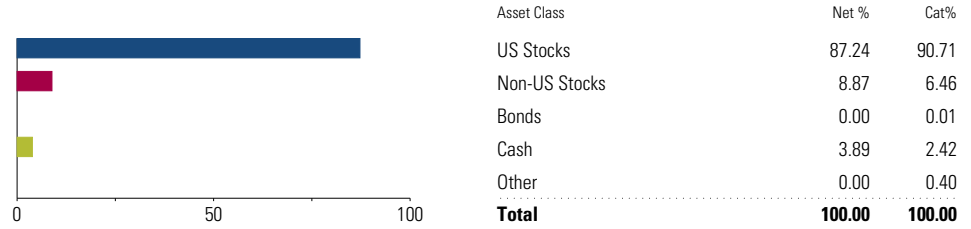
Morningstar Style Box™



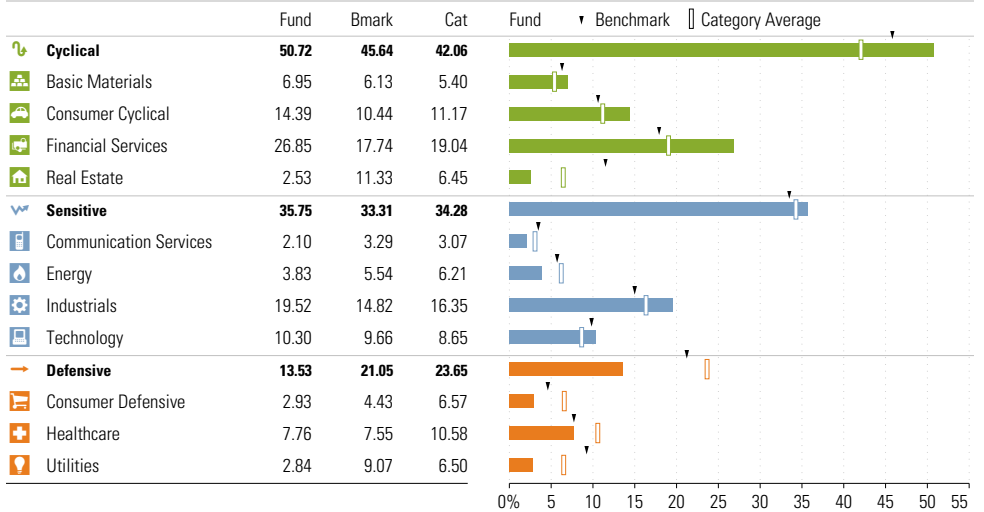
## Style Breakdown



## Asset Allocation as of 12-31-2022



## Sector Weighting as of 12-31-2022



## Top 15 Holdings as of 12-31-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Mktliq 12/31/2049	3.88	3.88	-	-
⊖ AerCap Holdings NV	3.60	7.48	-10.85	Industrials
⊖ Taylor Morrison Home Corp	1.77	9.25	-13.19	Consumer Cyclical
Arrow Electronics Inc	1.74	10.99	-22.12	Technology
⊖ Unum Group	1.67	12.65	72.12	Financial Services
Gildan Activewear Inc	1.64	14.30	-33.77	Consumer Cyclical
Globe Life Inc	1.57	15.86	29.50	Financial Services
⊕ Fidelity National Financial Inc	1.44	17.30	-21.02	Financial Services
Terex Corp	1.39	18.69	-1.62	Industrials
⊖ Jefferies Financial Group Inc	1.36	20.05	-8.56	Financial Services
⊕ Fresenius Medical Care AG & Co. KGaA ADR	1.25	21.30	-48.15	Healthcare
⊕ State Street Corporation	1.24	22.54	-14.01	Financial Services
⊖ Equitable Holdings Inc	1.23	23.77	-10.09	Financial Services
Cardinal Health Inc	1.18	24.95	53.13	Healthcare
Lear Corp	1.17	26.12	-30.53	Consumer Cyclical

**Total Holdings 137**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Windsor™ II Admiral™ VWNAX

**Morningstar Category**  
Large Value

**Morningstar Index**  
Russell 1000 Value TR USD

## Portfolio Manager(s)

George Davis since 12-2003  
 Andrew Lacey since 01-2007  
 John Mahedy since 01-2010  
 Lewis Sanders since 01-2010  
 Scott McBride since 01-2019  
 Howard Gleicher since 12-2019  
 Gregory Padilla since 12-2019  
 Henry Seiden since 02-2022

## Quantitative Screens

✔ **Performance:** The fund has finished in the Large Value category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 19.07 years.

✘ **Style:** The fund has landed in its primary style box — Large Value — 18.18 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.26 is 71.11% lower than the Large Value category average.

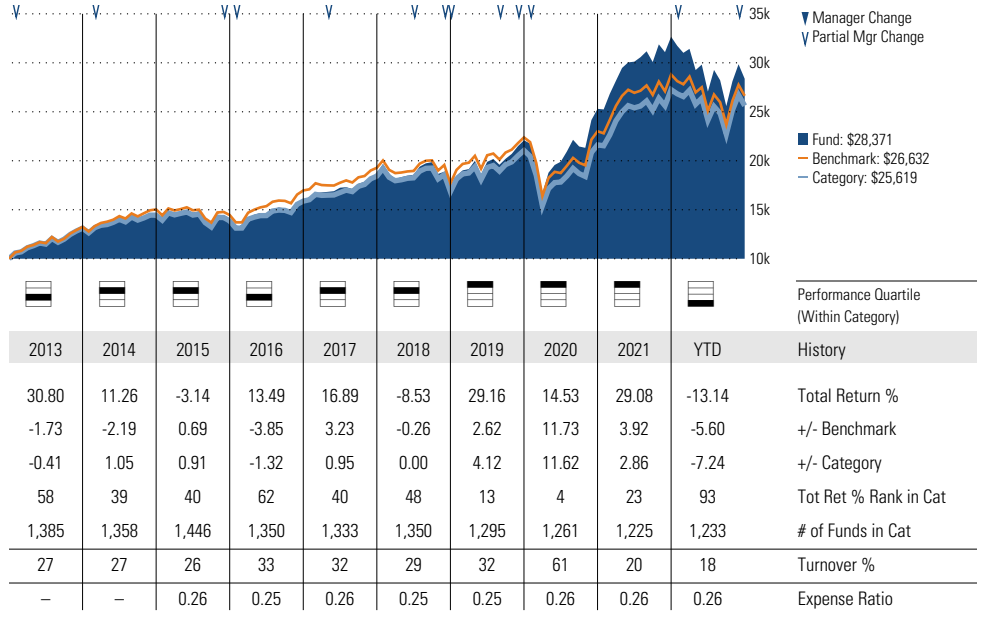
## Morningstar Investment Management LLC Analysis

This fund fails our style consistency screen as the fund has drifted into the large-blend portion of the Morningstar Style Box. The drift towards blend is not unexpected as the fund's subadvisor lineup has shifted in recent years to managers that run more core-oriented strategies and lower exposure to deep-value oriented managers. We are not concerned with this screen failure but will continue to monitor the fund's strategy and category assignment.

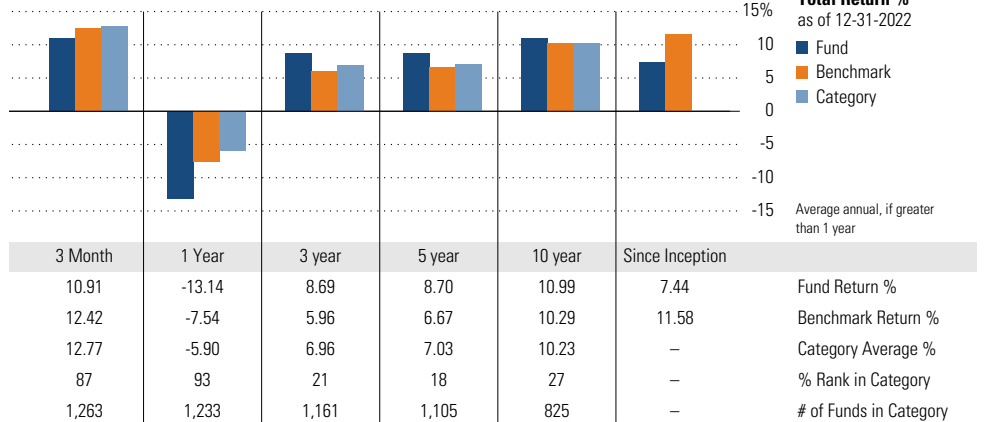
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	01-31-2023
Carbon Risk Score	Low Risk	12-31-2022

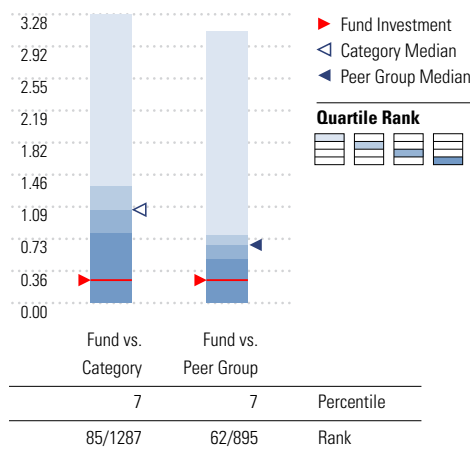
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	2.56	-	1.13
Beta	1.01	-	0.98
R-Squared	97.74	-	95.78
Standard Deviation	22.09	21.55	21.69
Sharpe Ratio	0.45	0.34	0.38
Tracking Error	3.34	-	4.67
Information Ratio	0.82	-	0.24
Up Capture Ratio	105.49	-	99.43
Down Capture Ratio	96.97	-	95.85

## Portfolio Metrics

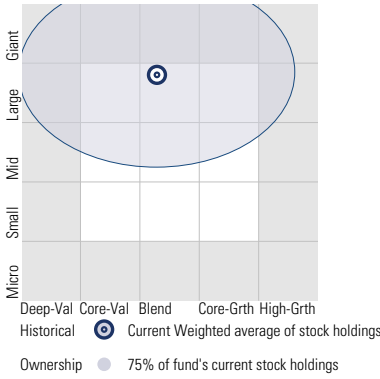
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	14.93	15.09	13.78
Price/Book Ratio	2.45	2.25	2.38
Geom Avg Mkt Cap \$B	109.58	73.18	109.39
ROE	24.54	18.04	23.75

# Vanguard Windsor™ II Admiral™ VWNAX

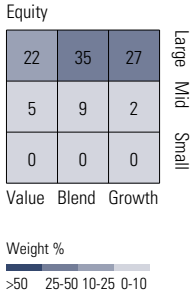
**Morningstar Category**  
Large Value

**Morningstar Index**  
Russell 1000 Value TR USD

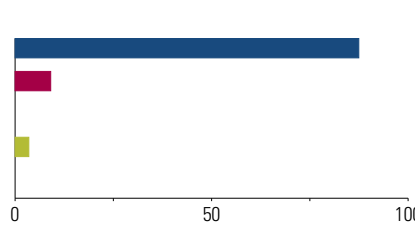
**Style Analysis** as of 12-31-2022  
Morningstar Style Box™



**Style Breakdown**



**Asset Allocation** as of 12-31-2022



Asset Class	Net %	Cat%
US Stocks	87.45	91.62
Non-US Stocks	9.06	5.57
Bonds	0.00	0.35
Cash	3.49	1.83
Other	0.00	0.62
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 12-31-2022

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Cyclical</b>	<b>30.71</b>	<b>34.80</b>	<b>32.99</b>			
Basic Materials	2.49	3.82	3.53			
Consumer Cyclical	7.72	6.00	6.70			
Financial Services	18.90	20.26	19.65			
Real Estate	1.60	4.72	3.11			
<b>Sensitive</b>	<b>42.75</b>	<b>34.34</b>	<b>36.57</b>			
Communication Services	6.29	7.37	6.23			
Energy	6.28	8.46	8.73			
Industrials	10.80	10.53	11.13			
Technology	19.38	7.98	10.48			
<b>Defensive</b>	<b>26.56</b>	<b>30.84</b>	<b>30.45</b>			
Consumer Defensive	7.81	7.51	8.42			
Healthcare	17.14	17.53	16.92			
Utilities	1.61	5.80	5.11			

**Top 15 Holdings** as of 12-31-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Microsoft Corp	4.99	4.99	-27.94	Technology
Mktliq 12/31/2049	3.39	8.38	-	-
Alphabet Inc Class A	2.29	10.67	-39.09	Communication Svc
Wells Fargo & Co	1.93	12.60	-11.65	Financial Services
Johnson & Johnson	1.82	14.42	5.86	Healthcare
Procter & Gamble Co	1.81	16.23	-5.14	Consumer Defensive
Honeywell International Inc	1.69	17.92	4.68	Industrials
Medtronic PLC	1.59	19.51	-22.29	Healthcare
UnitedHealth Group Inc	1.51	21.02	6.86	Healthcare
Bank of America Corp	1.46	22.48	-23.62	Financial Services
Danaher Corp	1.41	23.89	-19.02	Healthcare
Elevance Health Inc	1.36	25.25	11.77	Healthcare
Coca-Cola Co	1.36	26.61	10.40	Consumer Defensive
General Electric Co	1.33	27.94	-10.97	Industrials
Amazon.com Inc	1.29	29.23	-49.62	Consumer Cyclical

**Total Holdings 180**

⊕ Increase ⊖ Decrease ✨ New to Portfolio