

# 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.

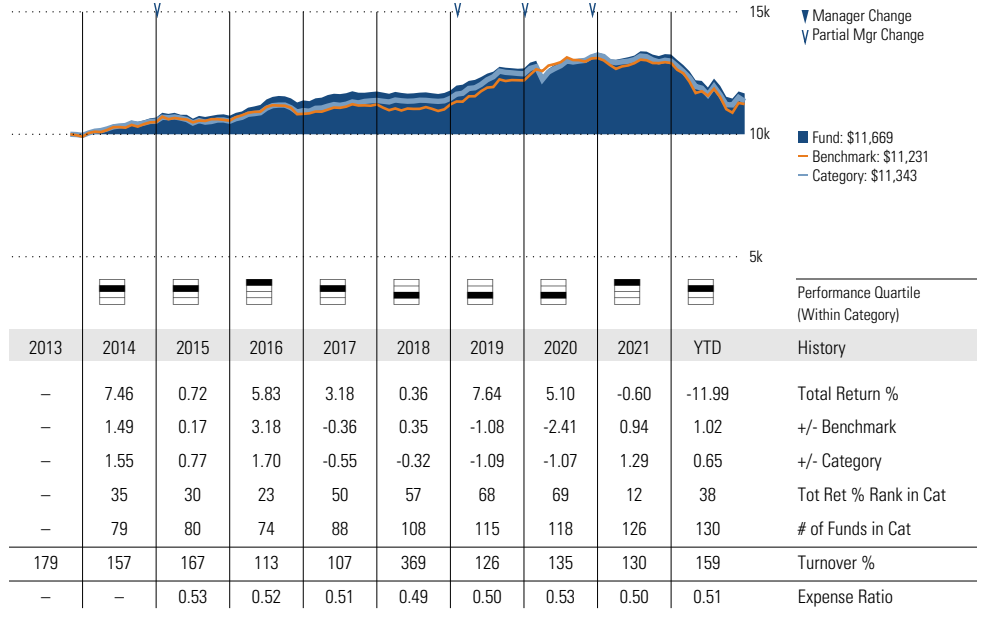
## Morningstar Investment Management LLC Analysis

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.

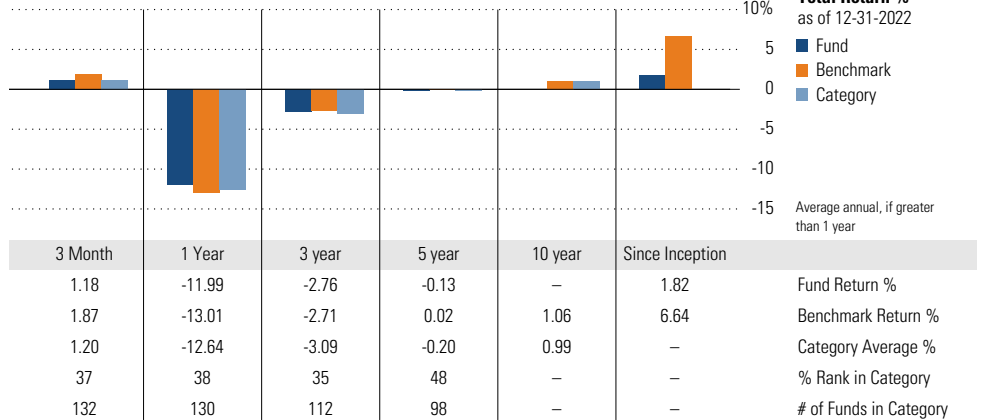
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	01-31-2023

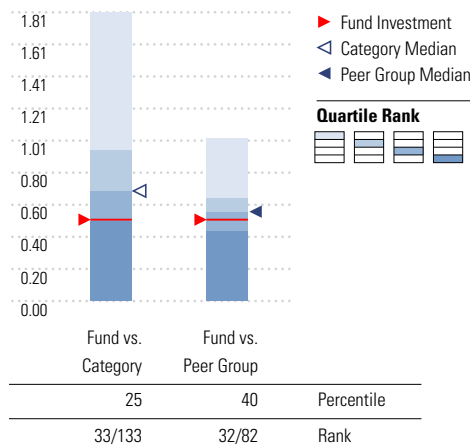
## Growth of \$10,000



## 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

Metric	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

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

# AB Global Bond Z ANAZX

**Morningstar Category**  
Global Bond-USD Hedged

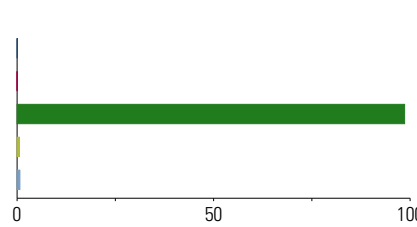
**Morningstar Index**  
Bloomberg US Agg Bond TR USD

## Style Analysis as of 12-31-2022

### Style Breakdown



## Asset Allocation as of 12-31-2022

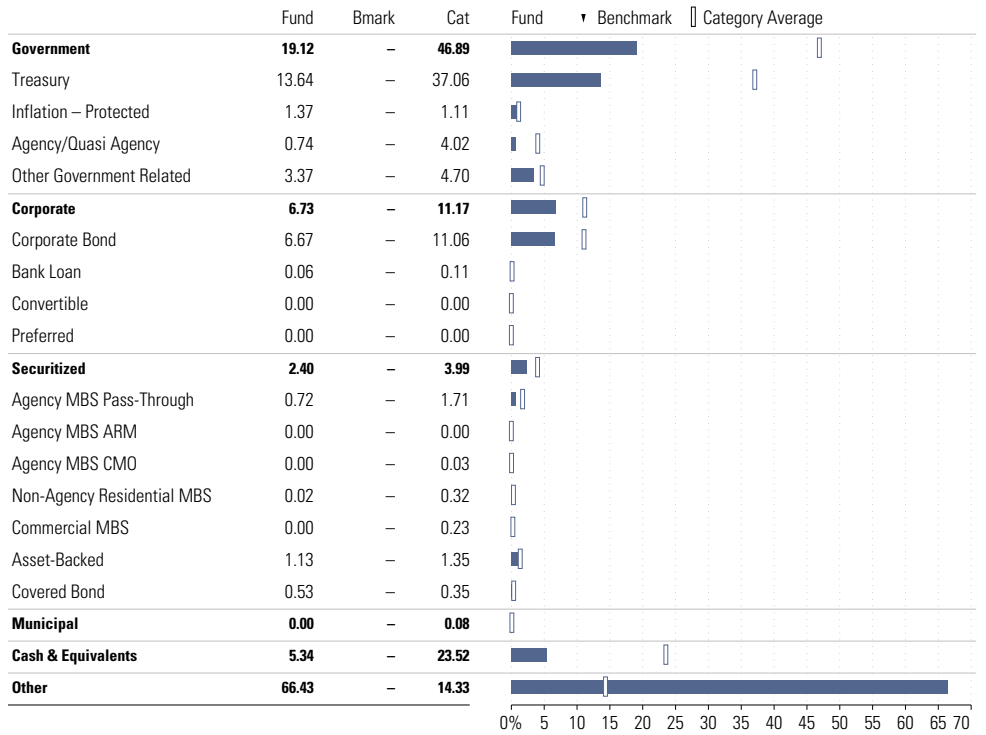


Asset Class	Net %	Cat%
US Stocks	0.08	0.00
Non-US Stocks	0.01	0.02
Bonds	98.60	88.81
Cash	0.61	10.97
Other	0.71	0.19
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

### 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.

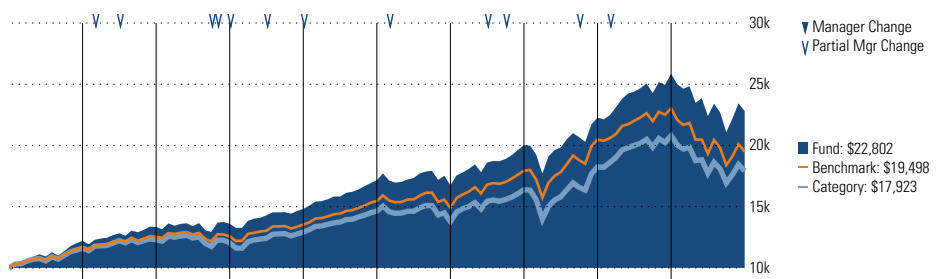
## Morningstar Investment Management LLC Analysis

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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



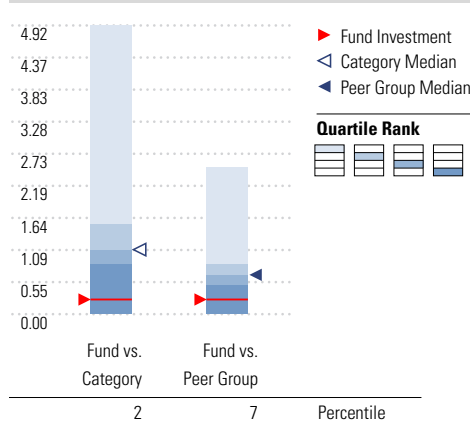
	2013	2014	2015	2016	2017	2018	2019	2020	2021	YTD	Performance Quartile (Within Category)
	22.12	9.22	2.03	8.90	15.84	-2.42	19.55	11.22	16.11	-11.83	History
	5.59	1.65	1.67	1.30	1.56	1.24	-0.78	-3.04	3.74	3.49	Total Return %
	5.64	3.01	3.96	1.56	2.63	3.34	0.32	-0.50	2.22	1.81	+/- Benchmark
	5	16	3	20	15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

## Trailing Performance



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

## 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	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

	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%

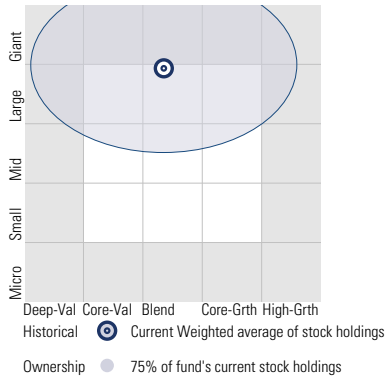
**Morningstar Index**

Morningstar US Mod Tgt Alloc NR USD

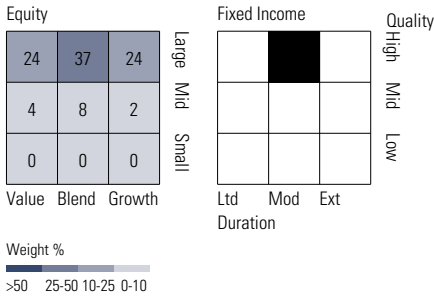
Equity

## Style Analysis as of 12-31-2022

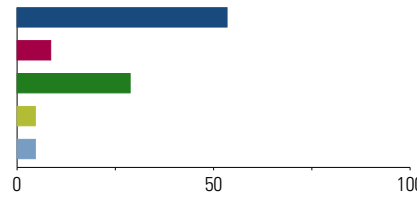
Morningstar Style Box™



## Style Breakdown

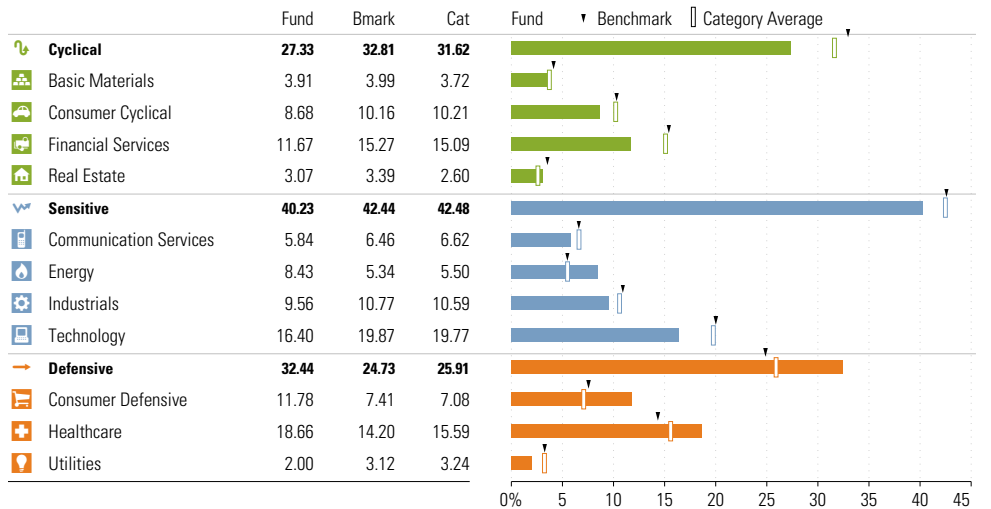


## Asset Allocation as of 12-31-2022



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

# 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.

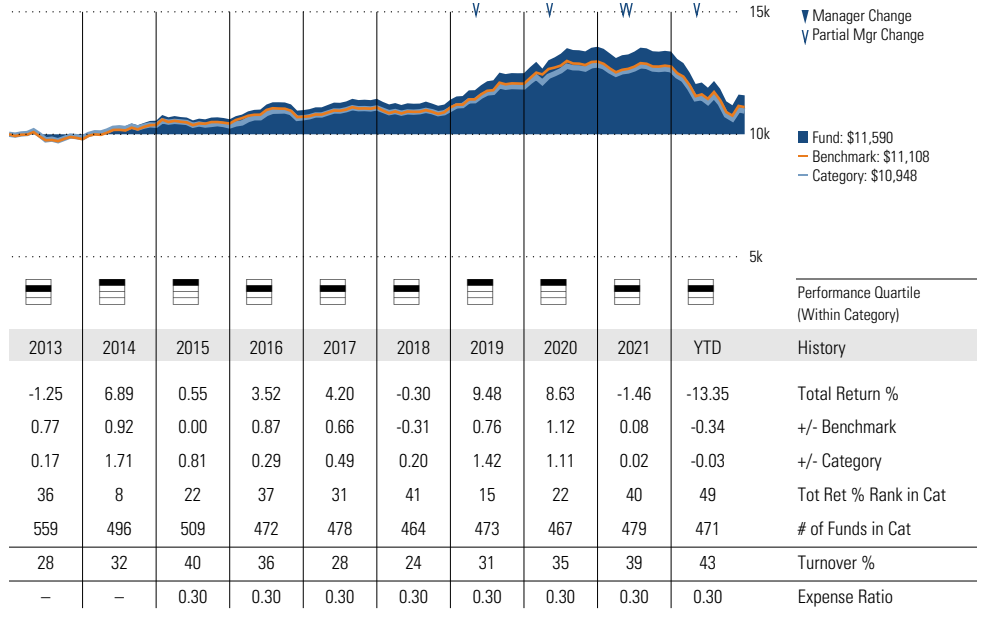
## Morningstar Investment Management LLC Analysis

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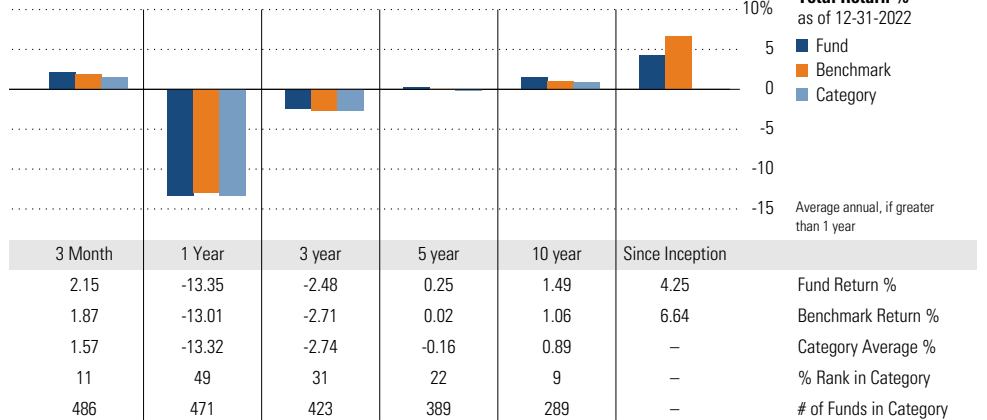
## ESG Metrics

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

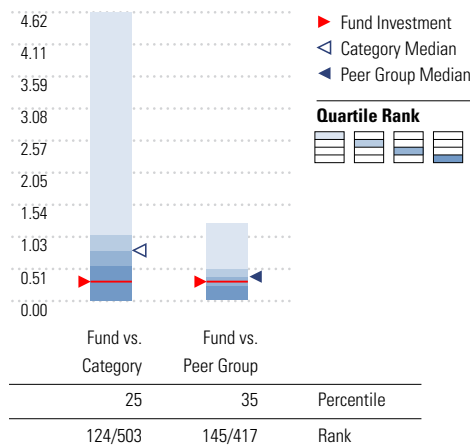
## Growth of \$10,000



## 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

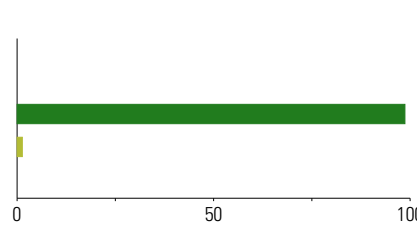
**Morningstar Index**  
Bloomberg US Agg Bond TR USD

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

**Style Breakdown**



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

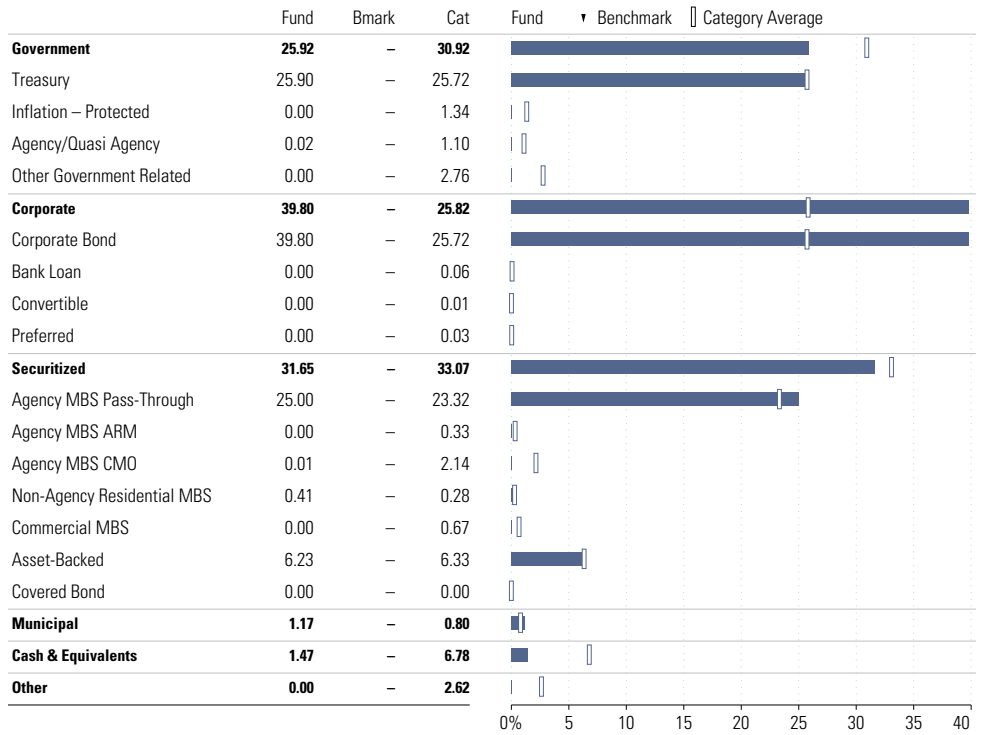


Asset Class	Net %	Cat%
US Stocks	0.00	0.10
Non-US Stocks	0.00	0.02
Bonds	98.68	95.92
Cash	1.33	2.10
Other	0.00	1.87
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**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

# DFA US Core Equity 1 I DFEQX

**Morningstar Category**  
Large Blend

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

## Portfolio Manager(s)

Jed Fogdall since 02-2012  
John Hertzler since 02-2022  
Mary Phillips since 02-2022

## 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 10.85 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 0.14 is 81.82% lower than the Large Blend category average.

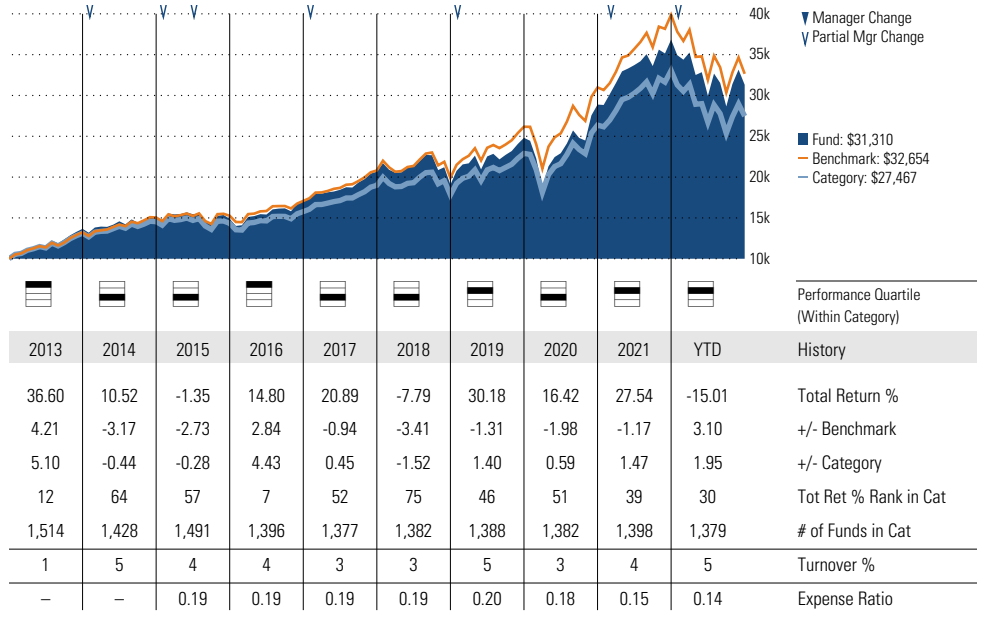
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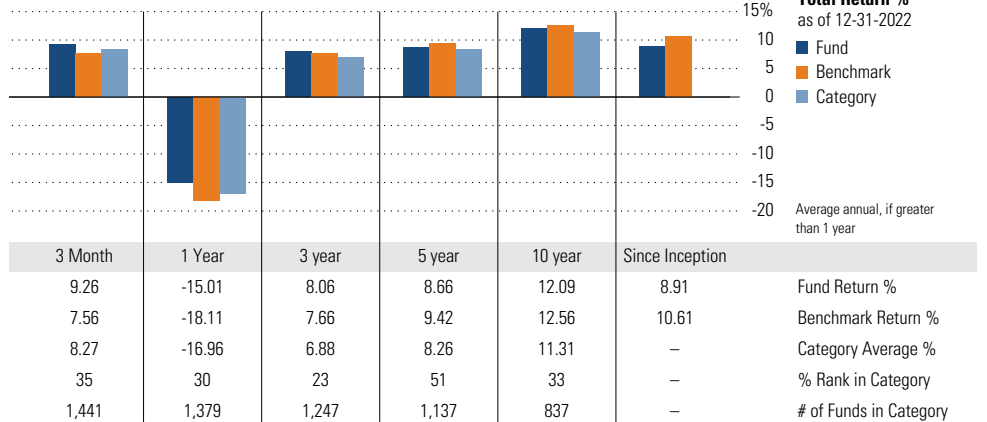
## ESG Metrics

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

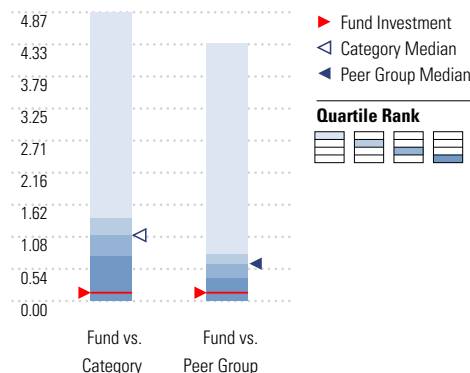
## Growth of \$10,000



## 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	0.25	-	-0.68
Beta	1.04	-	0.96
R-Squared	97.54	-	95.98
Standard Deviation	22.28	21.16	20.73
Sharpe Ratio	0.42	0.41	0.36
Tracking Error	3.60	-	3.95
Information Ratio	0.11	-	-0.83
Up Capture Ratio	102.20	-	94.55
Down Capture Ratio	101.32	-	96.96

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	14.97	19.03	18.29
Price/Book Ratio	2.90	3.59	4.14
Geom Avg Mkt Cap \$B	57.32	161.22	211.02
ROE	29.33	31.17	36.63

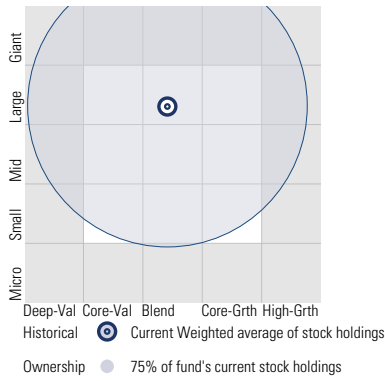
# DFA US Core Equity 1 I DFEOX

**Morningstar Category**  
Large Blend

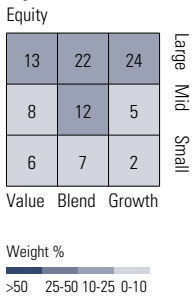
**Morningstar Index**  
S&P 500 TR USD

## Style Analysis as of 12-31-2022

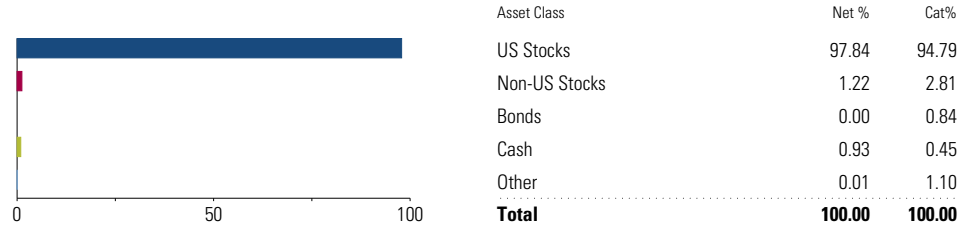
Morningstar Style Box™



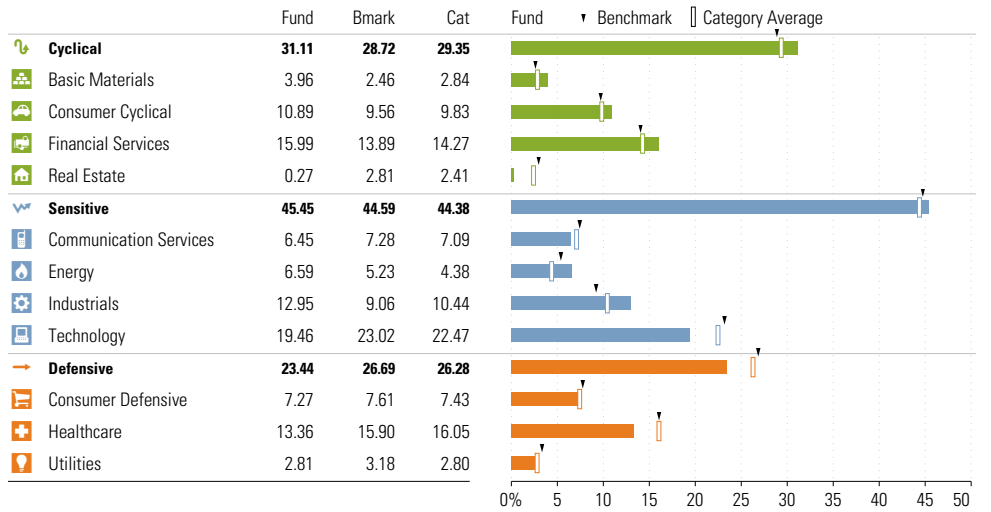
## Style Breakdown



## Asset Allocation as of 12-31-2022



## Sector Weighting as of 12-31-2022



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

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
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**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.

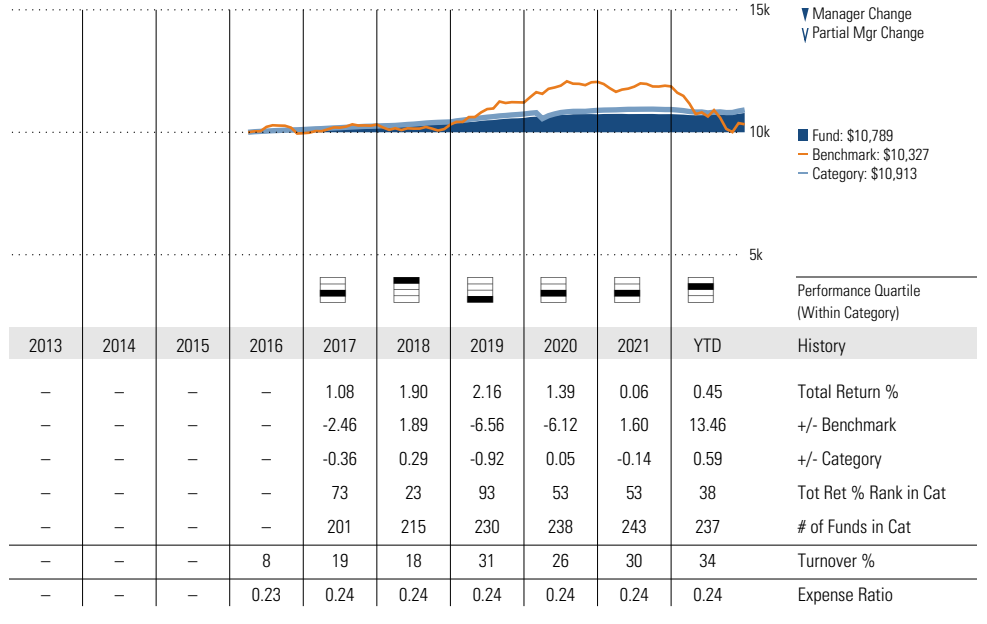
Style Consistency is not calculated for Fixed Income funds.

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

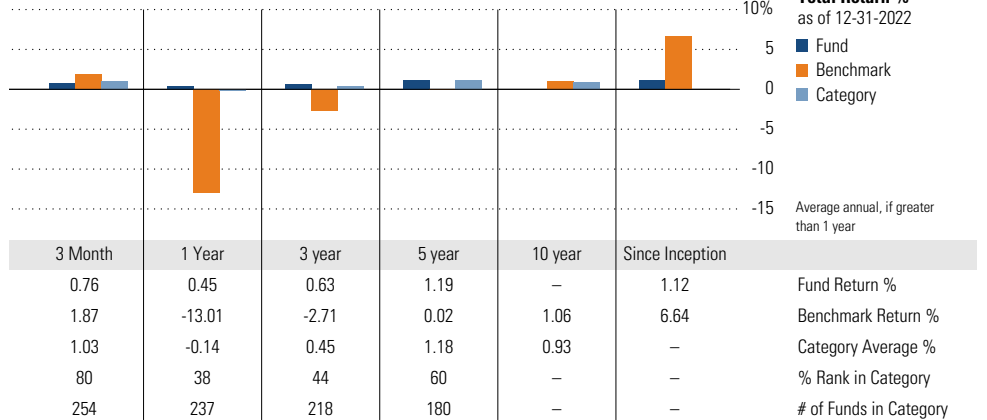
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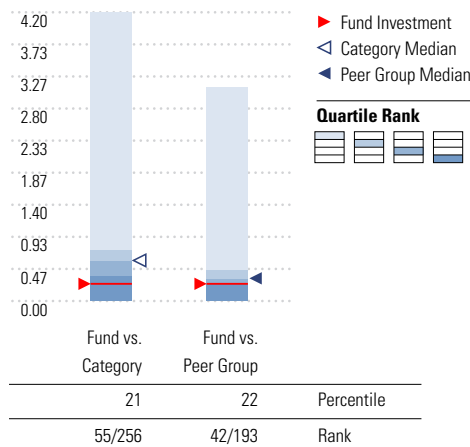
## Growth of \$10,000



## 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

Metric	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

Metric	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

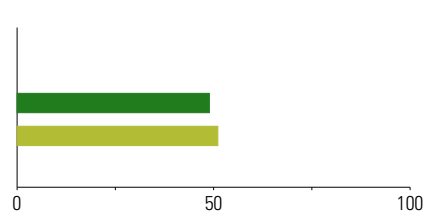
**Morningstar Index**  
Bloomberg US Agg Bond TR USD

**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

# Loomis Sayles Core Plus Bond N NERNX

**Morningstar Category**  
Intermediate Core-Plus Bond

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

## Portfolio Manager(s)

Peter Palfrey since 12-1996  
Richard Raczkowski since 05-1999  
Ian Anderson since 02-2020  
Barath Sankaran since 02-2020

## Quantitative Screens

✔ **Performance:** The fund has finished in the Intermediate Core-Plus Bond category's top three quartiles in 7 of the 9 years it's been in existence.

✔ **Management:** The fund's management has been in place for 26.02 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.38 is 48.65% lower than the Intermediate Core-Plus Bond category average.

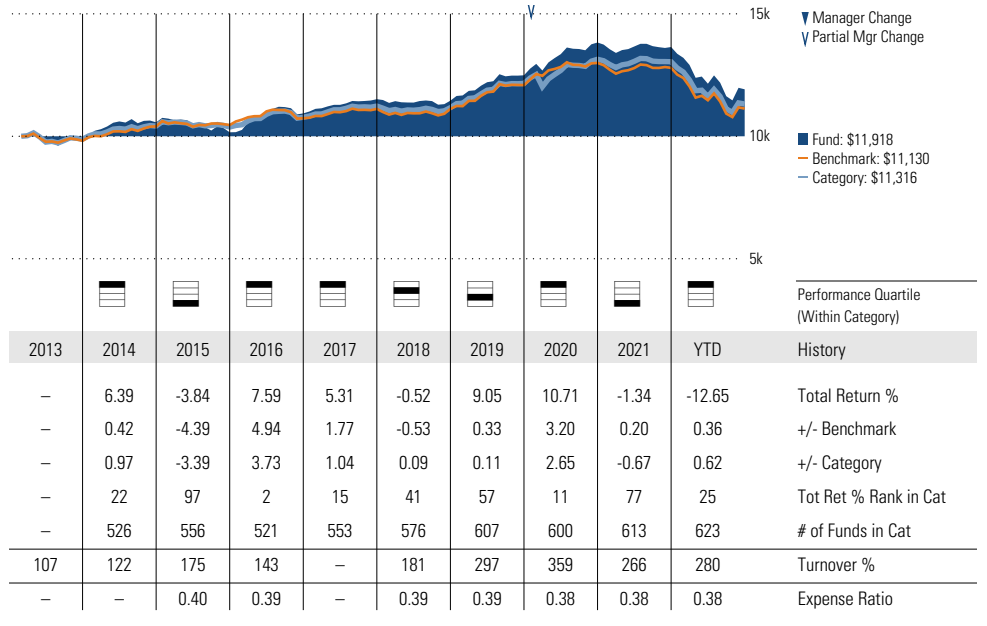
## Morningstar Investment Management LLC Analysis

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.

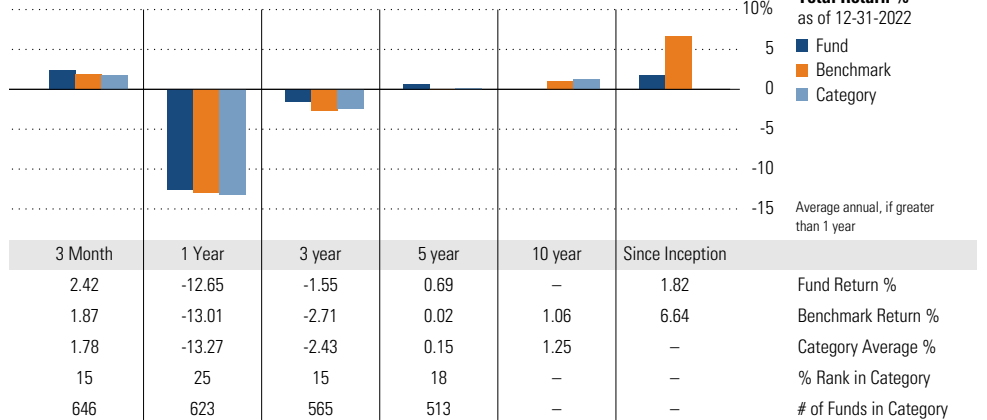
## ESG Metrics

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

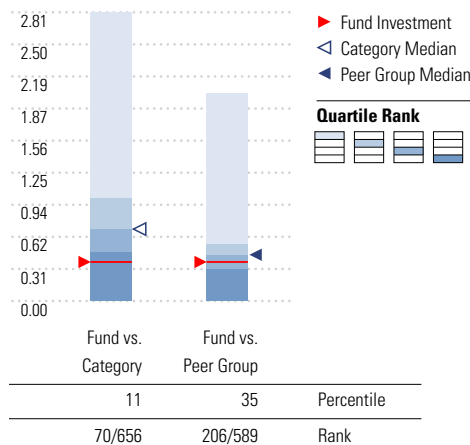
## Growth of \$10,000



## 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	1.43	-	0.42
Beta	1.08	-	1.04
R-Squared	93.99	-	80.21
Standard Deviation	6.53	5.85	6.92
Sharpe Ratio	-0.34	-0.58	-0.46
Tracking Error	1.67	-	3.09
Information Ratio	0.69	-	0.09
Up Capture Ratio	121.94	-	116.52
Down Capture Ratio	102.15	-	108.79

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	6.84	4.43	6.10
Avg Eff Maturity	9.05	-	8.51

# Loomis Sayles Core Plus Bond N NERNX

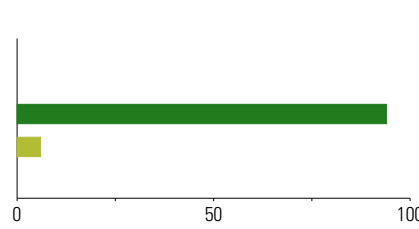
**Morningstar Category** Intermediate Core-Plus Bond  
**Morningstar Index** Bloomberg US Agg Bond TR USD

## Style Analysis as of 12-31-2022

### Style Breakdown



## Asset Allocation as of 12-31-2022

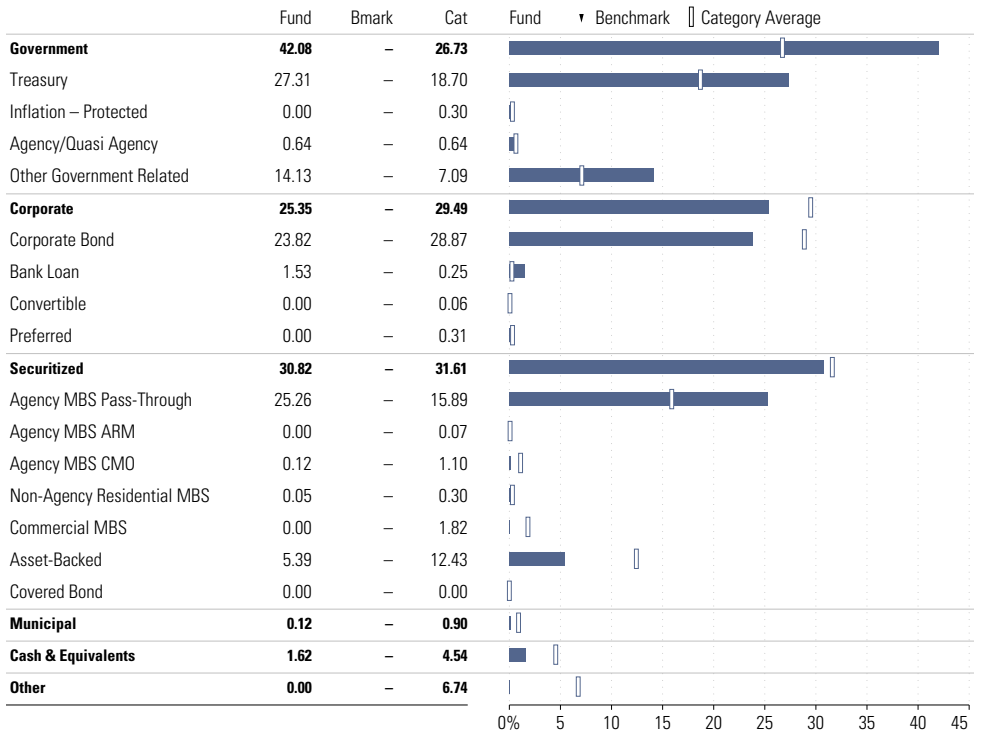


Asset Class	Net %	Cat%
US Stocks	0.00	0.02
Non-US Stocks	0.00	0.00
Bonds	94.02	103.83
Cash	5.98	-1.93
Other	0.00	-1.94
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	60.49	3.53	49.80
AA	2.11	74.59	5.85
A	5.60	10.82	11.84
BBB	23.00	8.32	19.67
BB	7.90	0.28	5.52
B	0.71	0.00	2.31
Below B	0.19	0.00	1.04
Not Rated	0.00	2.46	3.97

## 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

# PIMCO Commodity Real Ret Strat Instl PCRIX

**Morningstar Category**  
Commodities Broad Basket

**Morningstar Index**  
Bloomberg Commodity TR USD

## Portfolio Manager(s)

Greg Sharenow since 11-2018  
Stephen Rodosky since 01-2019  
Andrew Dewitt since 02-2022

## Quantitative Screens

✔ **Performance:** The fund has finished in the Commodities Broad Basket category's top three quartiles in 7 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 4.17 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.76 is 27.62% lower than the Commodities Broad Basket category average.

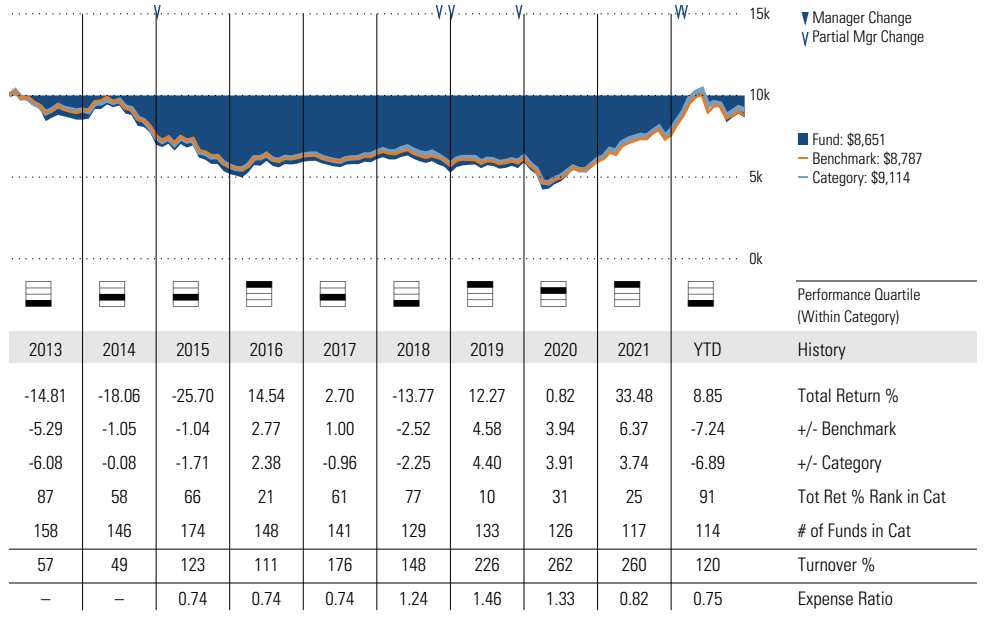
## Morningstar Investment Management LLC Analysis

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.

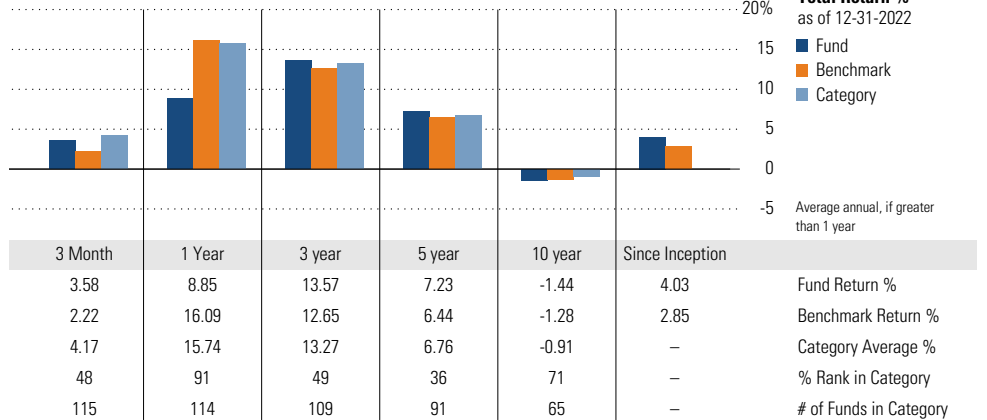
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	12-31-2022

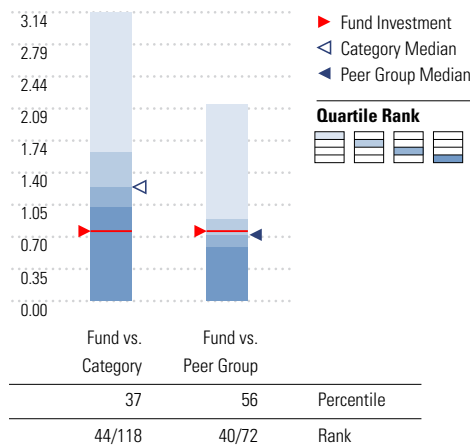
## Growth of \$10,000



## 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	-0.73	-	0.33
Beta	1.17	-	1.03
R-Squared	95.84	-	85.73
Standard Deviation	22.31	18.64	21.05
Sharpe Ratio	0.65	0.69	0.67
Tracking Error	5.57	-	7.78
Information Ratio	0.17	-	0.09
Up Capture Ratio	113.44	-	102.74
Down Capture Ratio	116.12	-	103.18

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	12.32	-	7.93
Price/Book Ratio	1.51	-	1.87
Geom Avg Mkt Cap \$B	20.09	-	44.07
ROE	16.78	-	27.17

# PIMCO Commodity Real Ret Strat Instl PCRIX

**Morningstar Category**  
Commodities Broad Basket

**Morningstar Index**  
Bloomberg Commodity TR USD

## Style Analysis as of 12-31-2022

Morningstar Style Box™



## 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	81.78	33.75
Cash	-31.00	47.21
Other	49.21	17.97
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2022



## Style Breakdown



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

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ 5 Year Treasury Note Future Mar 23	24.31	24.31	-	-
⊖ 2 Year Treasury Note Future Mar 23	18.13	42.44	-	-
✳ Cash Offset	16.46	58.90	-	-
⊖ Euro Schatz Future Mar 23	13.61	72.51	-	-
⊖ United States Treasury Notes 0.125%	12.16	84.67	-	-
⊖ 10 Year Treasury Note Future Mar 23	12.01	96.68	-	-
⊕ 3 Month Euribor TAS Future Mar 23	9.75	106.43	-	-
⊖ United States Treasury Notes 0.625%	9.70	116.12	-	-
⊖ U S TIPS REV REPO	9.31	125.43	-	-
⊖ U S TIPS REV REPO	8.88	134.31	-	-
⊕ TRS R 4.19/91282CDC2 MYC	7.79	142.10	-	-
⊕ Pimco Cayman Cmnty Fd Ltd Instl	7.24	149.34	-	-
⊕ United States Treasury Notes 0.125%	7.20	156.55	-	-
⊕ United States Treasury Notes 0.125%	6.28	162.82	-	-
⊖ US Treasury Bond Future Mar 23	5.85	168.67	-	-

**Total Holdings 874**

⊕ Increase ⊖ Decrease ✳ New to Portfolio

# State St Russell Lg Cap Gr® Indx NL CI C

**Morningstar Category**  
Large Growth

**Morningstar Index**  
Russell 1000 Growth TR USD

## Portfolio Manager(s)

Management Team since 07-1999

## Quantitative Screens

✔ **Performance:** The fund has finished in the Large 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 23.52 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 0.04 is 95.4% lower than the Large Growth category average.

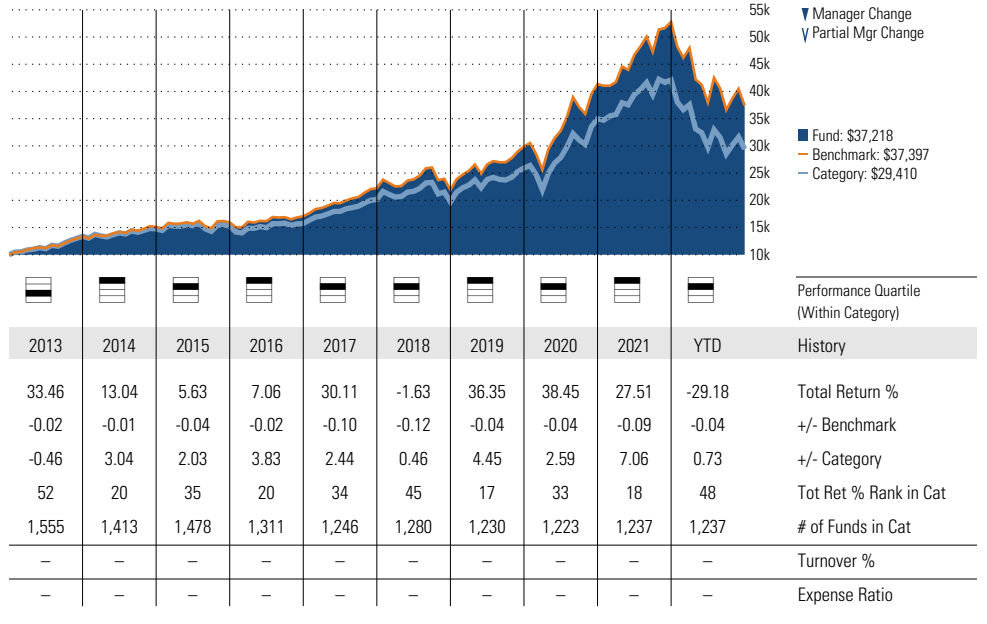
## Morningstar Investment Management LLC Analysis

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.

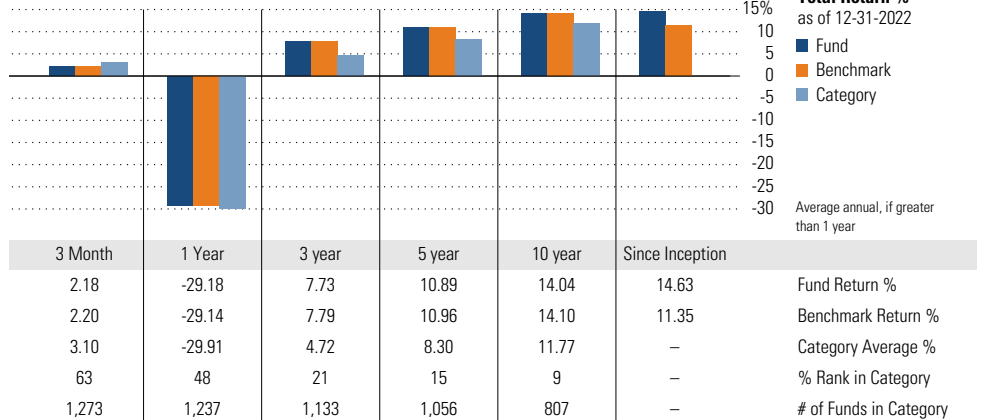
## ESG Metrics

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

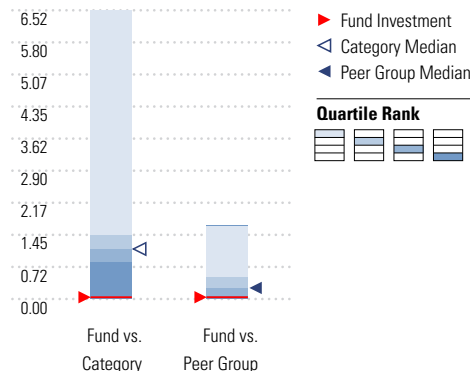
## Growth of \$10,000



## 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

	Fund	Bmark	Cat
Alpha	-0.05	-	-2.50
Beta	1.00	-	0.98
R-Squared	100.00	-	96.07
Standard Deviation	23.78	23.80	23.72
Sharpe Ratio	0.39	0.39	0.28
Tracking Error	0.06	-	4.30
Information Ratio	-1.09	-	-0.71
Up Capture Ratio	99.85	-	91.57
Down Capture Ratio	100.00	-	98.62

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	24.21	24.23	23.83
Price/Book Ratio	8.22	8.23	6.53
Geom Avg Mkt Cap \$B	221.97	222.04	263.75
ROE	41.42	41.41	37.70

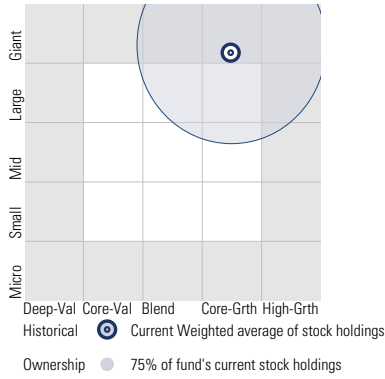
# State St Russell Lg Cap Gr® Indx NL CI C

**Morningstar Category**  
Large Growth

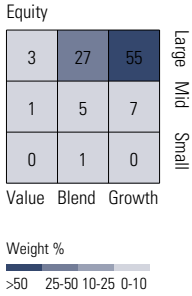
**Morningstar Index**  
Russell 1000 Growth TR USD

## Style Analysis as of 12-31-2022

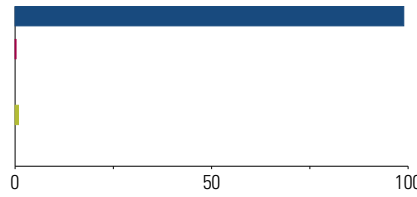
Morningstar Style Box™



## Style Breakdown

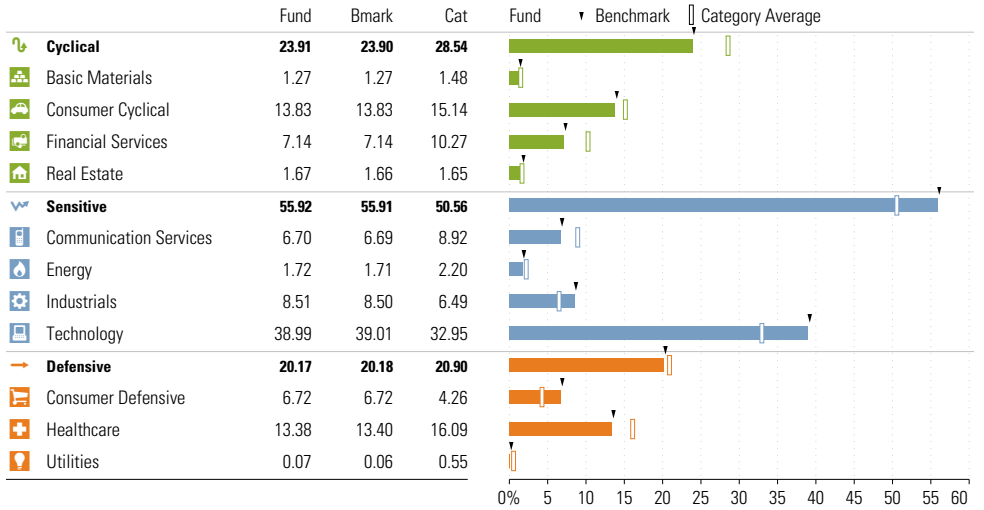


## Asset Allocation as of 12-31-2022



Asset Class	Net %	Cat%
US Stocks	98.90	93.06
Non-US Stocks	0.24	4.43
Bonds	0.00	0.02
Cash	0.86	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



# State St Russell Sm Cp® Val Indx NL CI C

**Morningstar Category**  
Small Value

**Morningstar Index**  
Russell 2000 Value TR USD

## Portfolio Manager(s)

Management Team since 09-2009

## Quantitative Screens

✔ **Performance:** The fund has finished in the Small 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 13.33 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 0.05 is 95.28% lower than the Small Value category average.

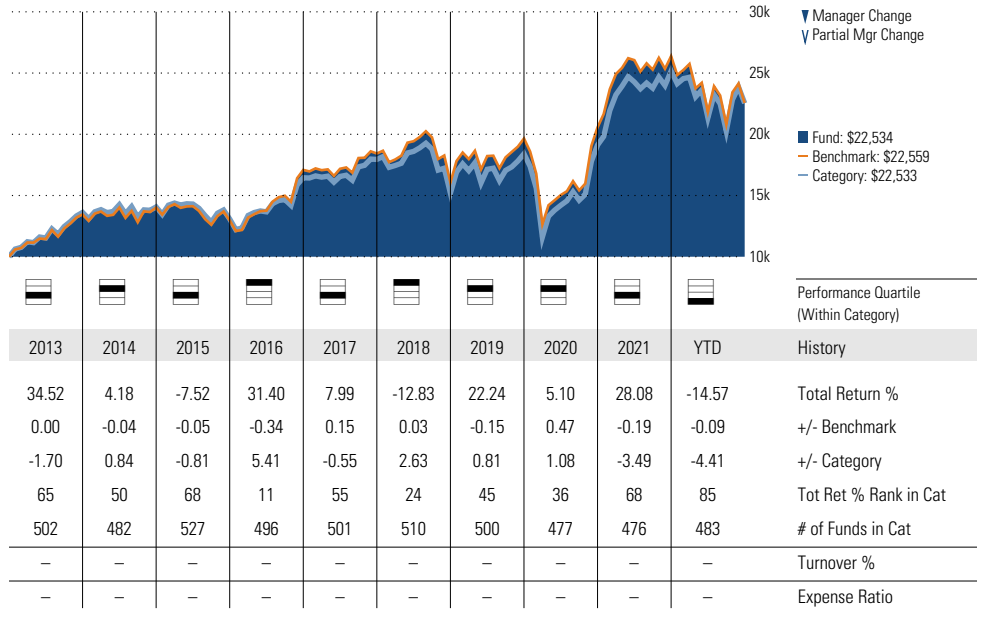
## Morningstar Investment Management LLC Analysis

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.

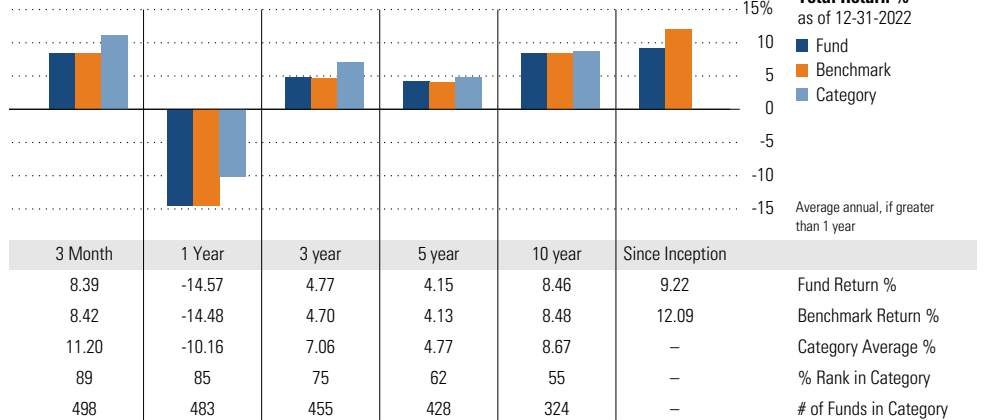
## ESG Metrics

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

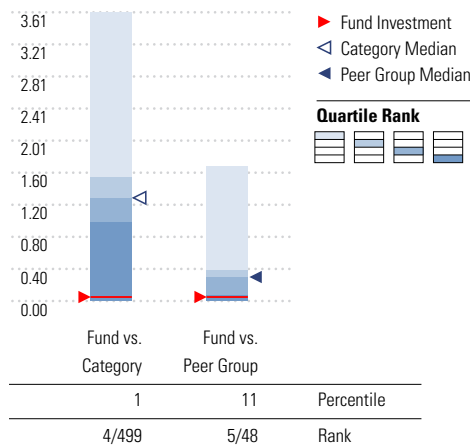
## Growth of \$10,000



## 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	0.06	-	1.39
Beta	0.99	-	0.99
R-Squared	99.99	-	97.26
Standard Deviation	27.47	27.66	27.80
Sharpe Ratio	0.28	0.27	0.32
Tracking Error	0.31	-	3.98
Information Ratio	0.21	-	-0.38
Up Capture Ratio	99.73	-	100.88
Down Capture Ratio	99.54	-	97.48

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	9.18	9.22	11.62
Price/Book Ratio	1.27	1.27	1.60
Geom Avg Mkt Cap \$B	1.82	1.83	3.75
ROE	7.85	7.83	16.18

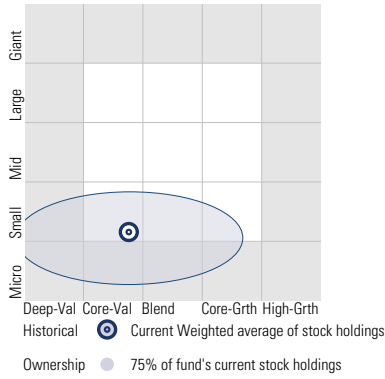
# State St Russell Sm Cp® Val Indx NL CI C

**Morningstar Category**  
Small Value

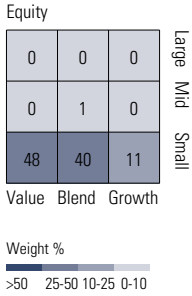
**Morningstar Index**  
Russell 2000 Value TR USD

## Style Analysis as of 12-31-2022

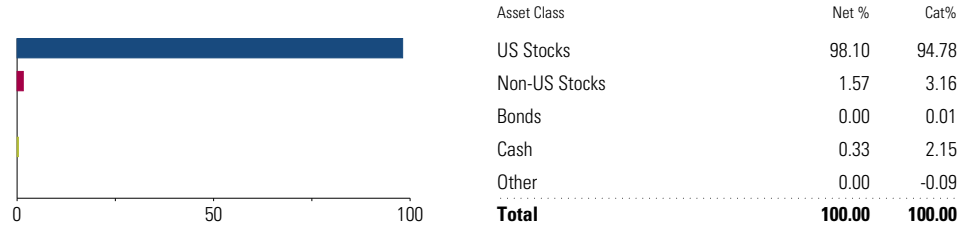
Morningstar Style Box™



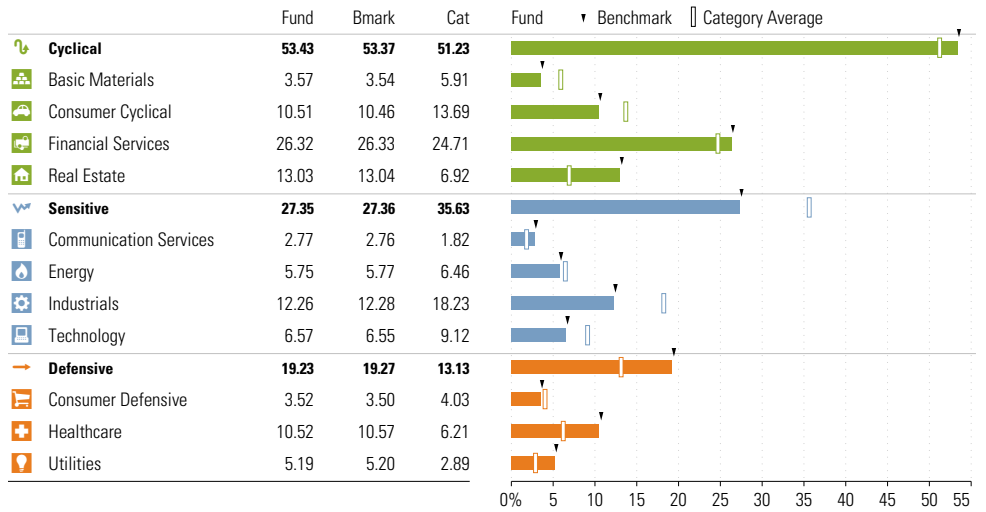
## Style Breakdown



## 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
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**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

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	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

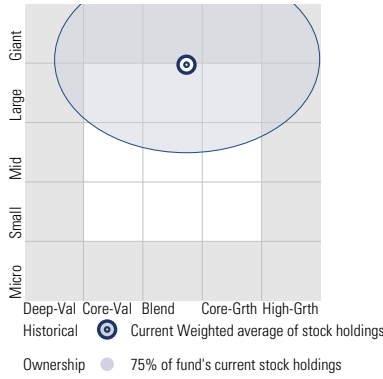
# Vanguard 500 Index Admiral VFIAX

**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 Developed Markets Index Admiral VTMGX

**Morningstar Category**  
Foreign Large Blend

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

## Portfolio Manager(s)

Christine Franquin since 02-2013  
Michael Perre since 11-2017

## Quantitative Screens

✔ **Performance:** The fund has finished in the Foreign 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 9.86 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 0.07 is 92.13% lower than the Foreign Large Blend category average.

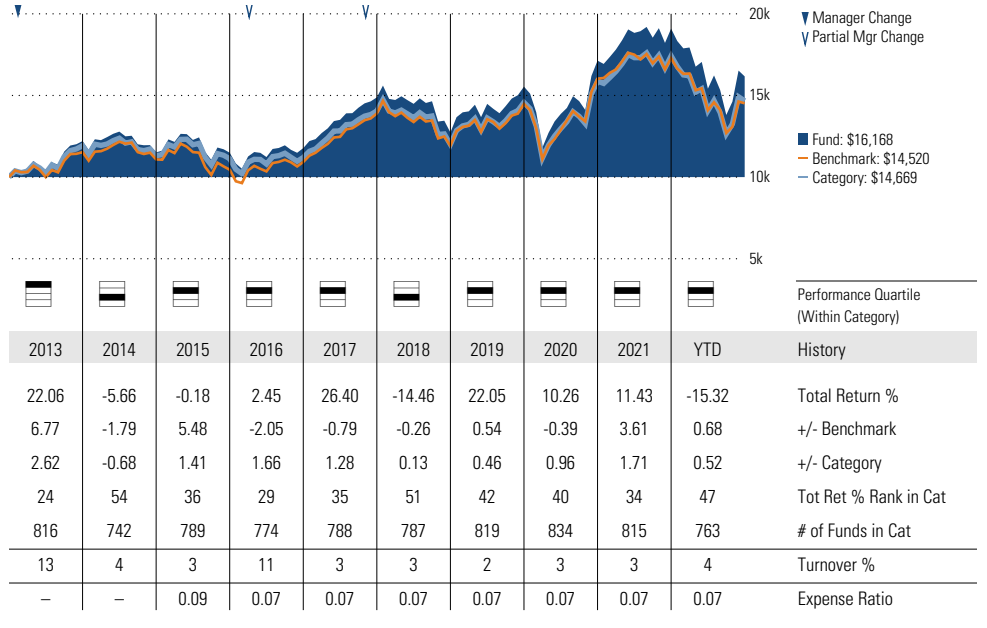
## Morningstar Investment Management LLC Analysis

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.

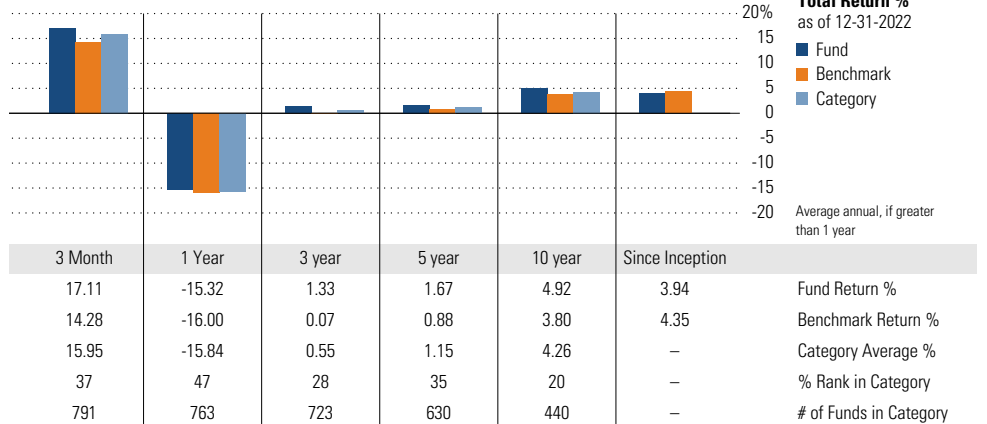
## ESG Metrics

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

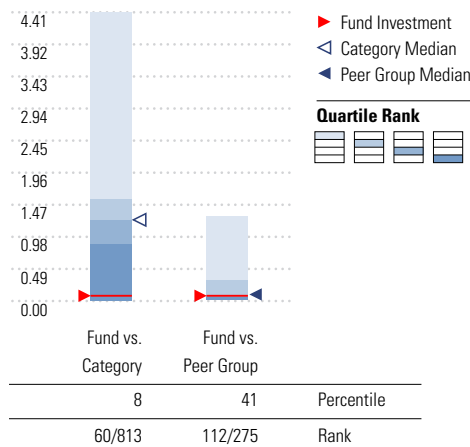
## Growth of \$10,000



## 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	1.47	-	0.80
Beta	1.08	-	1.03
R-Squared	96.85	-	94.10
Standard Deviation	21.45	19.53	20.67
Sharpe Ratio	0.13	0.06	0.09
Tracking Error	4.12	-	5.04
Information Ratio	0.30	-	0.14
Up Capture Ratio	113.94	-	106.74
Down Capture Ratio	108.59	-	104.08

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	11.90	11.94	12.68
Price/Book Ratio	1.45	1.58	1.72
Geom Avg Mkt Cap \$B	27.03	39.70	47.23
ROE	17.78	18.39	20.83

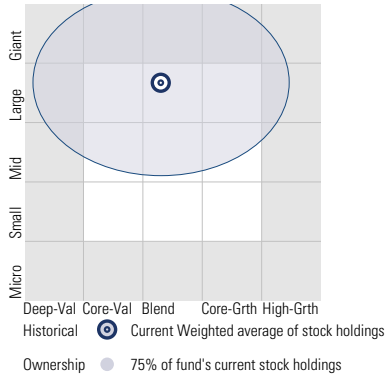
# Vanguard Developed Markets Index Admiral VTMGX

**Morningstar Category**  
Foreign Large Blend

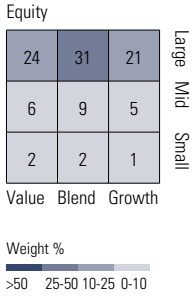
**Morningstar Index**  
MSCI ACWI Ex USA NR USD

## Style Analysis as of 12-31-2022

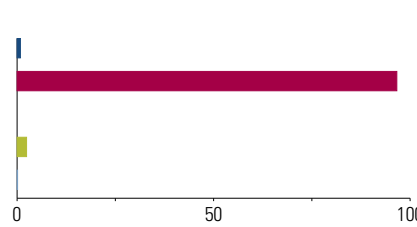
Morningstar Style Box™



## Style Breakdown

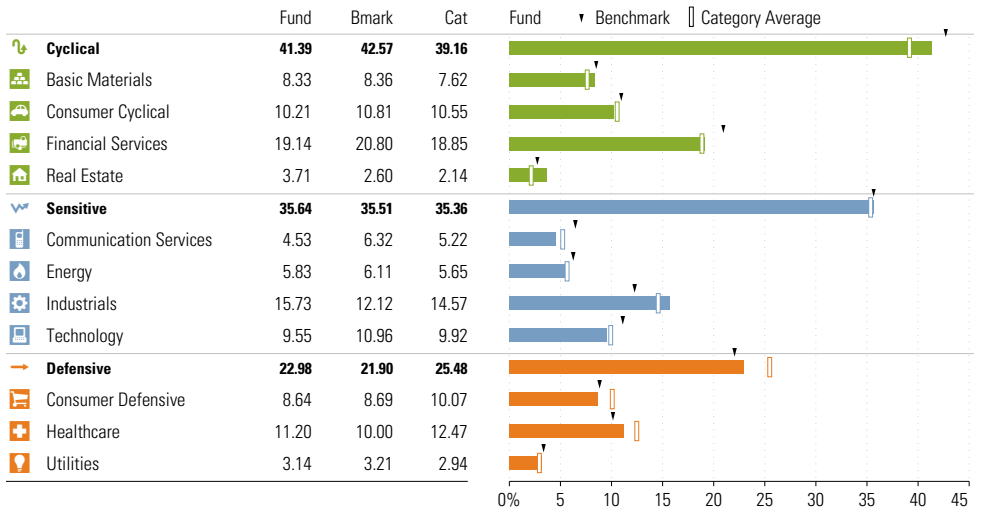


## Asset Allocation as of 12-31-2022



Asset Class	Net %	Cat%
US Stocks	0.84	2.74
Non-US Stocks	96.62	94.64
Bonds	0.00	0.21
Cash	2.41	1.20
Other	0.12	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	36.24	35.26	Americas	10.76	8.84	Greater Europe	53.00	55.90	Market Maturity	Fund %
Japan	20.54	18.06	North America	10.67	7.61	United Kingdom	12.40	13.78	Developed Markets	99.43
Australasia	7.45	5.40	Central/Latin	0.09	1.23	W euro-ex UK	39.66	40.87	Emerging Markets	0.57
Asia-4 Tigers	8.06	6.66				Emrgng Europe	0.28	0.06	Not Available	0.00
Asia-ex 4 Tigers	0.19	5.14				Africa	0.66	1.19		
Not Classified	0.00	0.00								

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

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Nestle SA	1.57	1.57	-14.50	Consumer Defensive
⊕ Slcmt1142	1.52	3.09	-	-
⊕ ASML Holding NV	1.11	4.20	-27.89	Technology
⊕ Roche Holding AG	1.10	5.31	-21.78	Healthcare
⊕ Samsung Electronics Co Ltd	1.09	6.39	-	Technology
⊕ Novo Nordisk A/S Class B	1.07	7.47	29.42	Healthcare
⊖ Shell PLC	1.01	8.48	41.13	Energy
⊕ AstraZeneca PLC	1.01	9.49	25.04	Healthcare
⊖ Novartis AG	0.92	10.41	6.63	Healthcare
⊕ LVMH Moet Hennessy Louis Vuitton SE	0.92	11.33	-4.90	Consumer Cyclical

**Total Holdings 4091**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Emerging Mkts Stock Idx Adm VEMAX

**Morningstar Category**  
Diversified Emerging Mkts

**Morningstar Index**  
MSCI EM NR USD

## Portfolio Manager(s)

Michael Perre since 08-2008  
Jeffrey Miller since 02-2016

## Quantitative Screens

**Performance:** The fund has finished in the Diversified Emerging Mkts 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 14.35 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 0.14 is 87.83% lower than the Diversified Emerging Mkts category average.

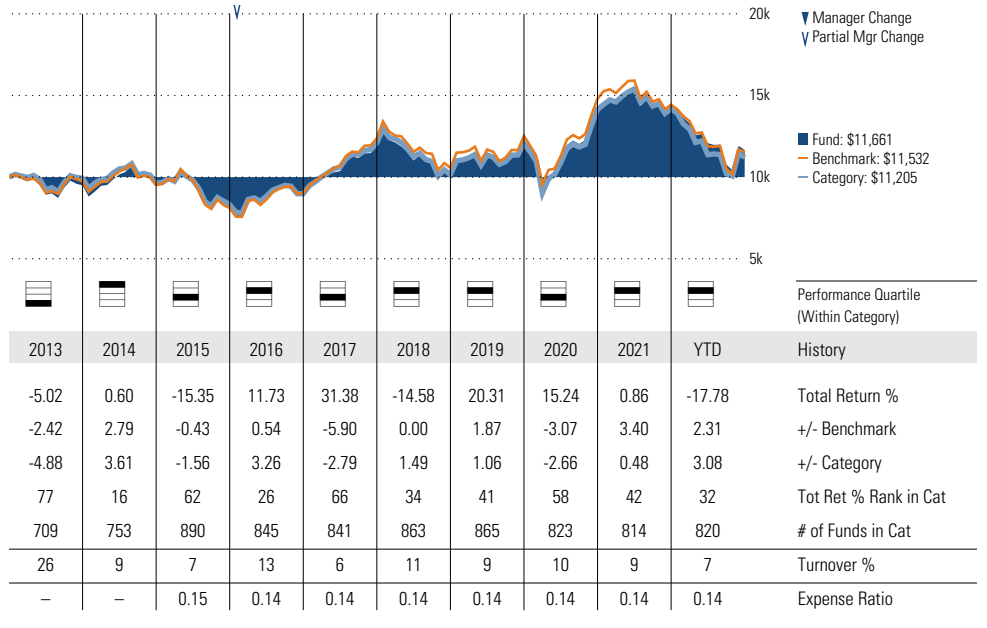
## Morningstar Investment Management LLC Analysis

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.

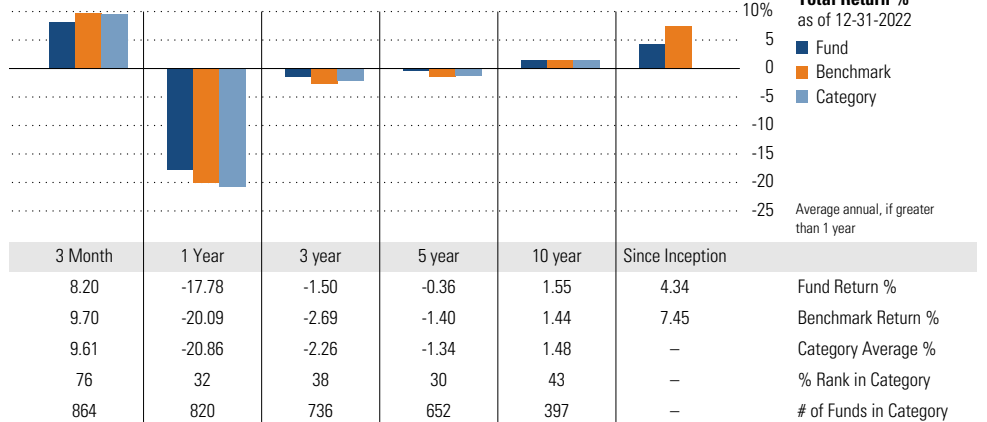
## ESG Metrics

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

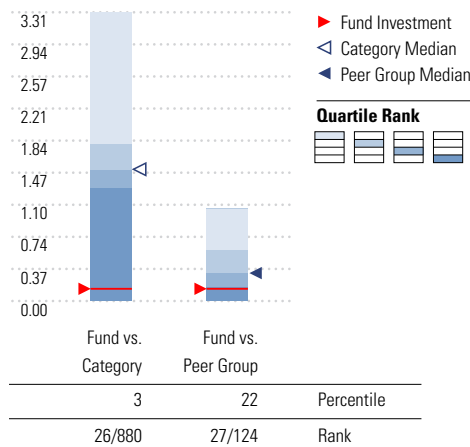
## Growth of \$10,000



## 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	1.11	-	0.18
Beta	0.96	-	1.00
R-Squared	97.31	-	88.98
Standard Deviation	20.04	20.55	21.86
Sharpe Ratio	-0.02	-0.07	-0.06
Tracking Error	3.38	-	7.01
Information Ratio	0.35	-	-0.06
Up Capture Ratio	98.95	-	102.04
Down Capture Ratio	94.75	-	102.20

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	11.11	10.62	11.64
Price/Book Ratio	1.65	1.56	1.80
Geom Avg Mkt Cap \$B	20.09	33.24	38.67
ROE	17.39	17.19	18.44

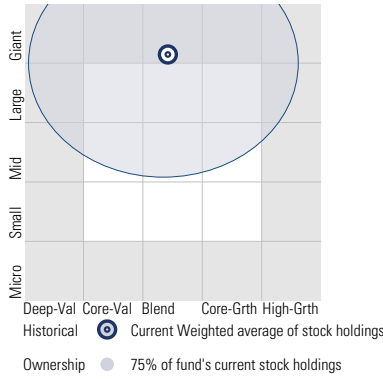
# Vanguard Emerging Mkts Stock Idx Adm VEMAX

**Morningstar Category**  
Diversified Emerging Mkts

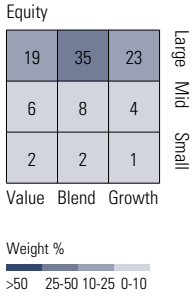
**Morningstar Index**  
MSCI EM NR USD

## Style Analysis as of 12-31-2022

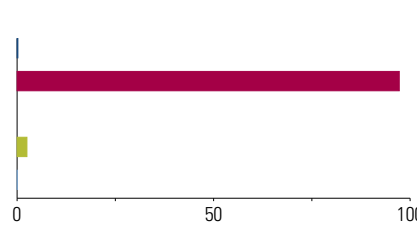
Morningstar Style Box™



## Style Breakdown

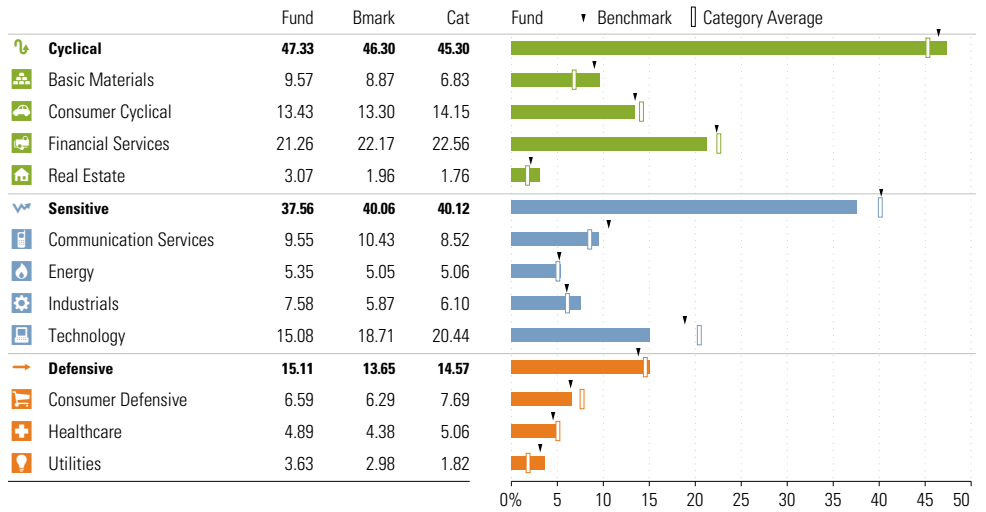


## Asset Allocation as of 12-31-2022



Asset Class	Net %	Cat%
US Stocks	0.20	3.20
Non-US Stocks	97.24	94.72
Bonds	0.00	0.03
Cash	2.50	1.92
Other	0.06	0.14
<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	75.93	74.74	Americas	9.72	14.72	Greater Europe	14.35	10.53	Developed Markets	21.09
Japan	0.00	0.09	North America	0.17	3.11	United Kingdom	0.00	0.66	Emerging Markets	78.91
Australasia	0.00	0.05	Central/Latin	9.55	11.61	W euro-ex UK	0.54	1.79	Not Available	0.00
Asia-4 Tigers	16.61	24.78				Emrgng Europe	1.57	1.33		
Asia-ex 4 Tigers	59.32	49.82				Africa	12.24	6.75		
Not Classified	0.00	0.00								

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

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Taiwan Semiconductor Manufacturing Co Ltd	4.29	4.29	-25.28	Technology
⊖ Tencent Holdings Ltd	3.72	8.01	-24.05	Communication Svc
⊖ Alibaba Group Holding Ltd Ordinary Shares	2.41	10.42	-25.68	Consumer Cyclical
⊖ Reliance Industries Ltd	1.51	11.93	7.86	Energy
⊖ Mktliq 12/31/2049	1.38	13.31	—	—
⊖ Meituan Class B	1.33	14.64	-15.77	Consumer Cyclical
⊖ JD.com Inc Ordinary Shares - Class A	0.97	15.60	-7.44	Consumer Cyclical
⊖ Vale SA	0.96	16.57	23.73	Basic Materials
⊖ Infosys Ltd	0.95	17.52	-18.56	Technology
⊖ China Construction Bank Corp Class H	0.86	18.37	4.14	Financial Services

**Total Holdings 4654**

⊕ 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.

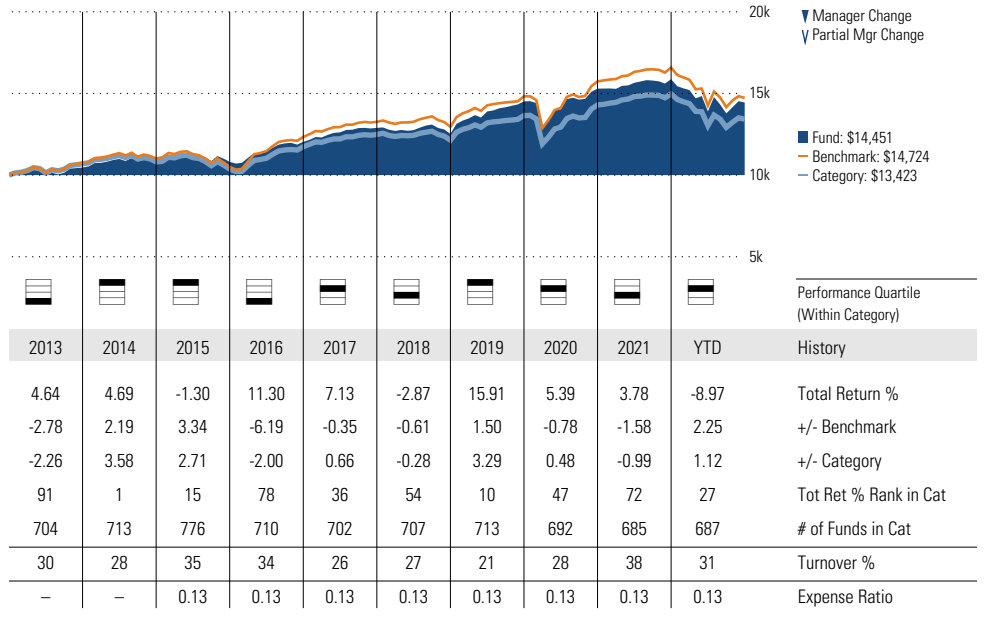
Style Consistency is not calculated for Fixed Income funds.

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

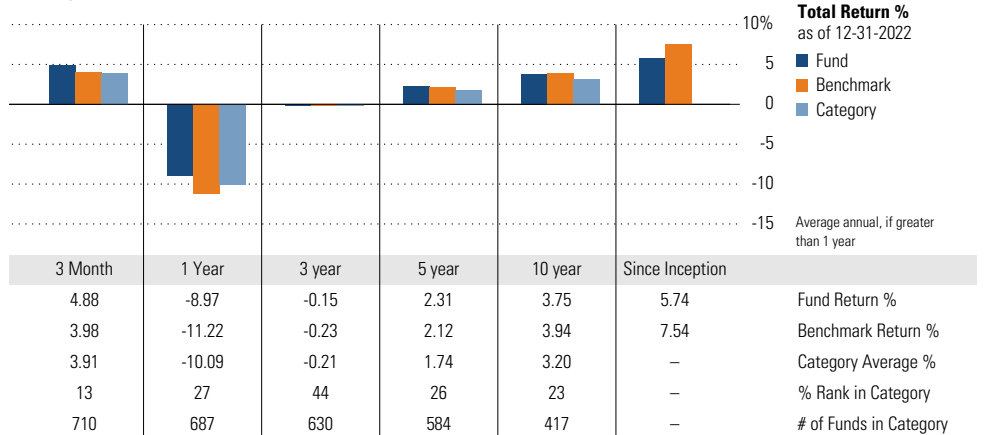
## Morningstar Investment Management LLC Analysis

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.

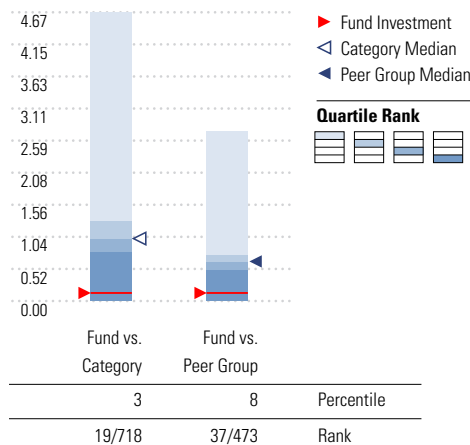
## Growth of \$10,000



## 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	0.01	-	-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

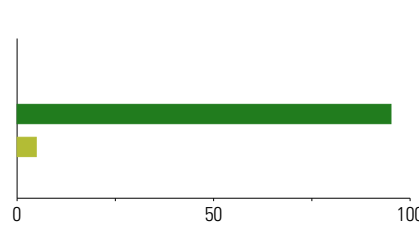
**Morningstar Index**  
ICE BofA US High Yield TR USD

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

**Style Breakdown**



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

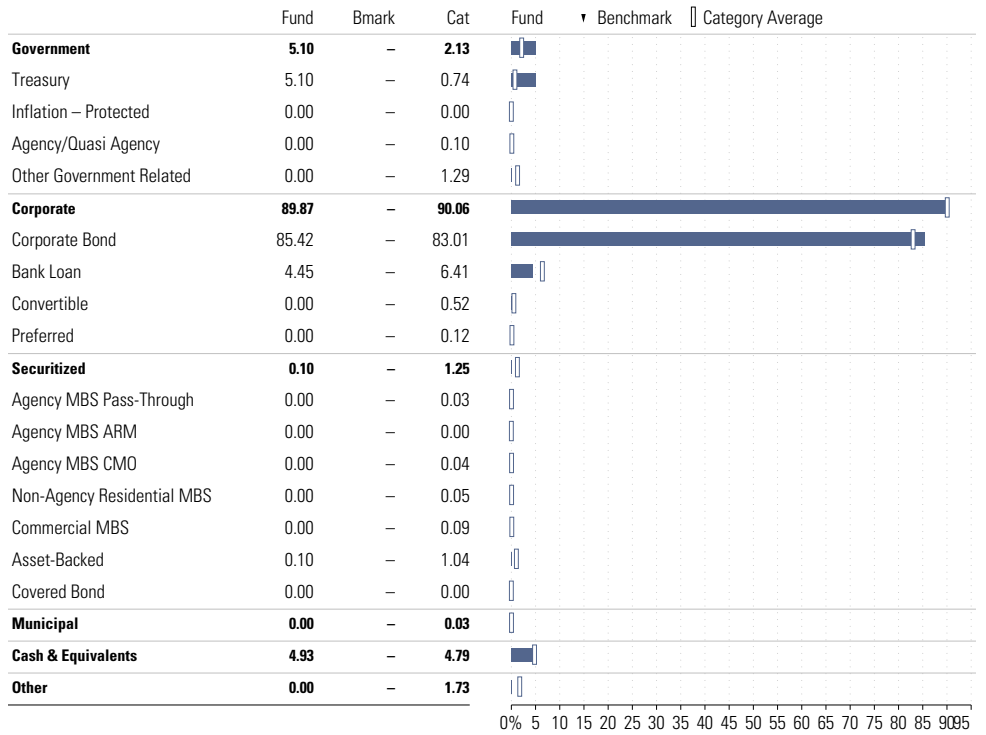


Asset Class	Net %	Cat%
US Stocks	0.00	0.73
Non-US Stocks	0.00	0.01
Bonds	95.13	93.67
Cash	4.87	1.76
Other	0.00	3.83
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**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 Inflation-Protected Secs Adm VAIPX

**Morningstar Category**  
Inflation-Protected Bond

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

## Portfolio Manager(s)

John Madziyire since 11-2021

## 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 team has been in place for less than three years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.1 is 82.76% lower than the Inflation-Protected Bond category average.

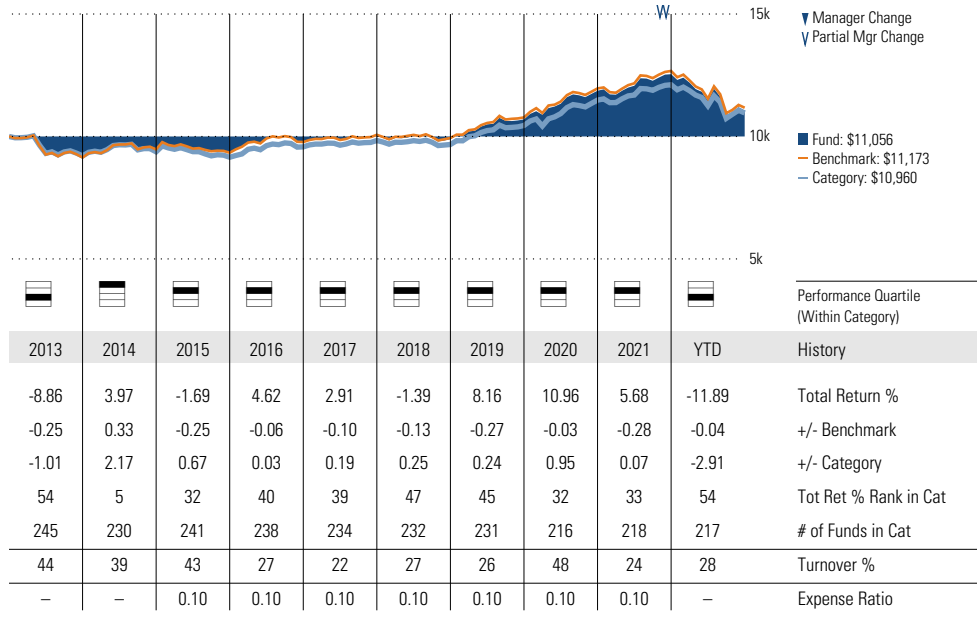
## Morningstar Investment Management LLC Analysis

This fund fails the manager tenure screen; however, the current manager has earned results consistent with those of his predecessor.

## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	01-31-2023

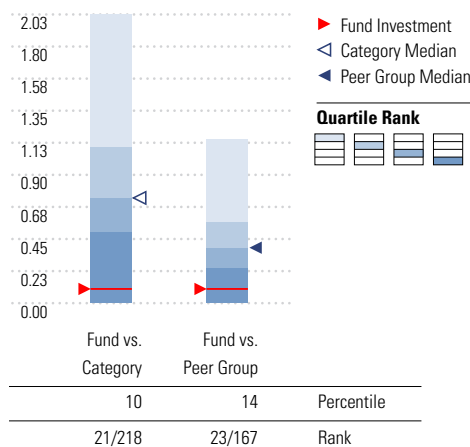
## Growth of \$10,000



## 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	-0.07	-	0.15
Beta	0.97	-	0.92
R-Squared	99.49	-	88.43
Standard Deviation	6.84	7.01	6.90
Sharpe Ratio	0.07	0.08	0.11
Tracking Error	0.52	-	2.51
Information Ratio	-0.20	-	-0.22
Up Capture Ratio	96.37	-	92.15
Down Capture Ratio	97.08	-	90.88

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	6.54	4.52	5.55
Avg Eff Maturity	7.10	-	6.37

# Vanguard Inflation-Protected Secs Adm VAIPX

**Morningstar Category**  
Inflation-Protected Bond

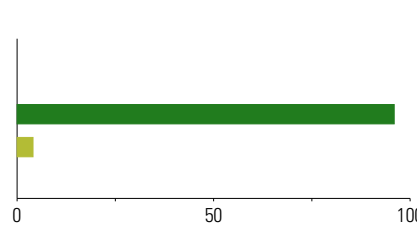
**Morningstar Index**  
Bloomberg US Treasury US TIPS TR USD

## Style Analysis as of 12-31-2022

### Style Breakdown



## Asset Allocation as of 12-31-2022

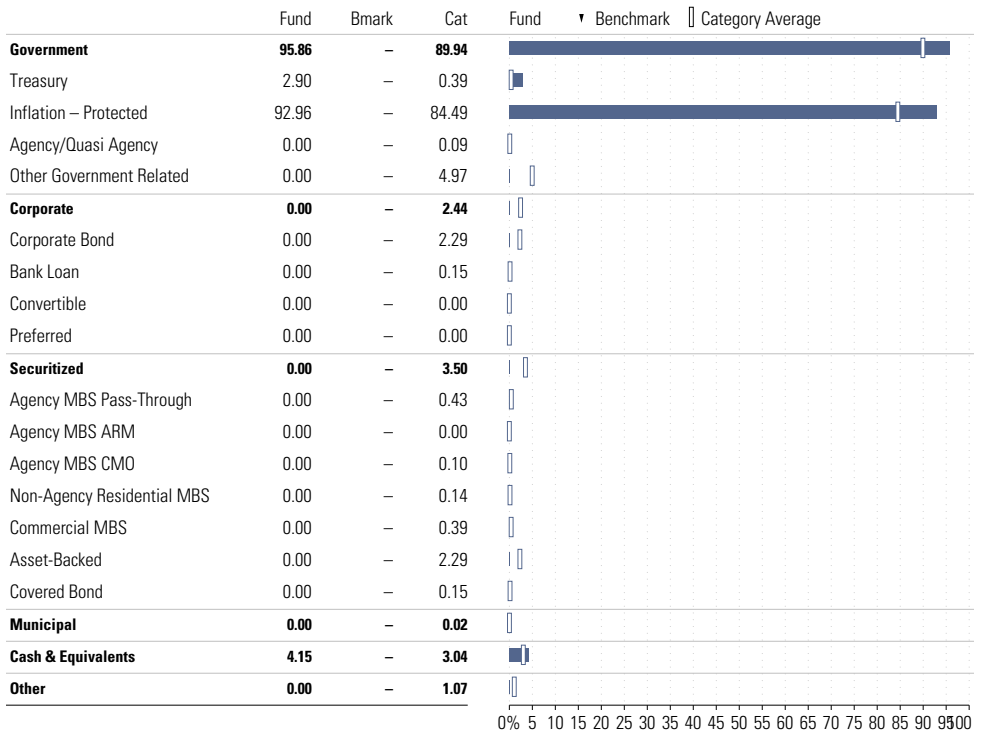


Asset Class	Net %	Cat%
US Stocks	0.00	0.12
Non-US Stocks	0.00	0.00
Bonds	95.95	97.04
Cash	4.05	2.15
Other	0.00	0.70
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	95.88	0.00	88.32
AA	0.00	99.60	3.60
A	0.00	0.00	1.66
BBB	0.00	0.00	2.25
BB	0.00	0.00	0.50
B	0.00	0.00	0.15
Below B	0.00	0.00	0.14
Not Rated	4.12	0.40	3.38

## Sector Weighting as of 12-31-2022



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

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ Mktliq 12/31/2049	-	4.15	4.15	-
⊕ United States Treasury Notes	-	3.60	7.75	-
⊖ United States Treasury Notes	-	3.30	11.05	-
⊖ United States Treasury Notes	-	3.30	14.35	-
United States Treasury Notes	-	3.29	17.64	-
⊖ United States Treasury Notes	-	3.13	20.77	-
⊖ United States Treasury Notes	-	3.02	23.79	-
⊖ United States Treasury Notes	-	2.98	26.78	-
⊖ United States Treasury Notes	-	2.96	29.74	-
⊖ United States Treasury Notes	-	2.95	32.69	-

**Total Holdings 58**

⊕ 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

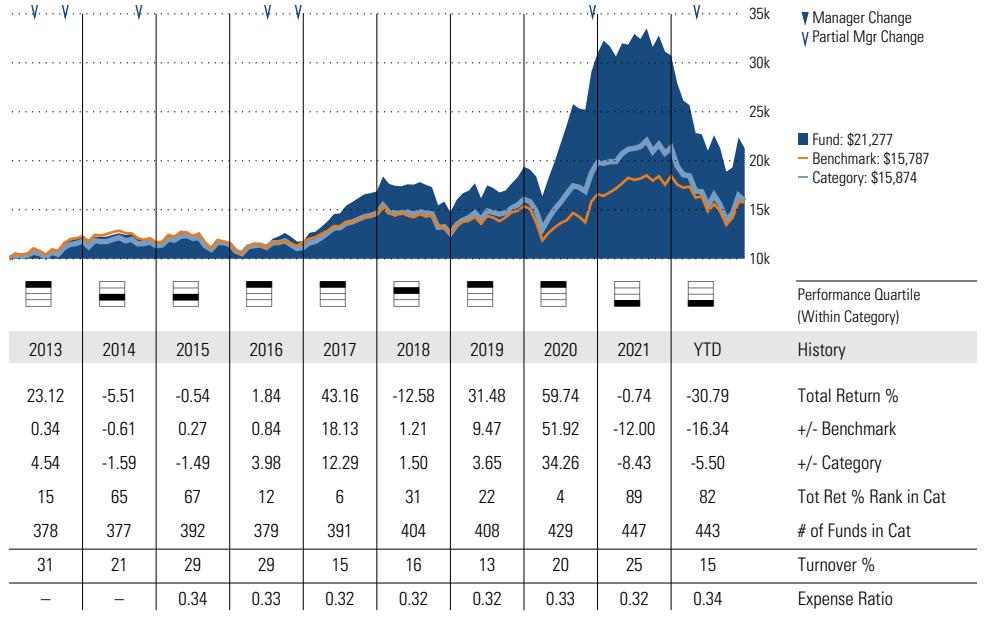
✔ **Performance:** The fund has finished in the Foreign Large Growth category's top three quartiles in 8 of the 10 years it's been in existence.

✔ **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



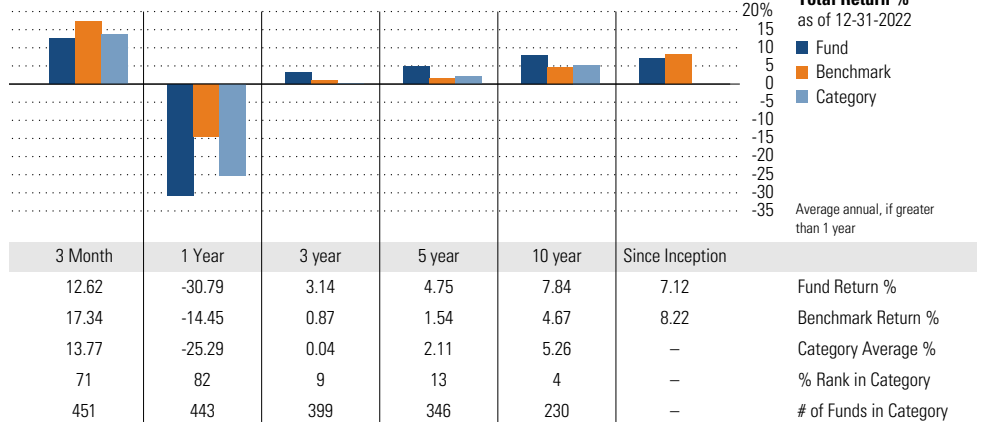
## Morningstar Investment Management LLC Analysis

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.

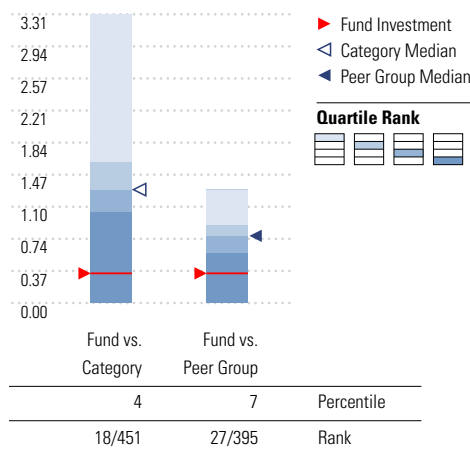
## ESG Metrics

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

## 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	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

	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

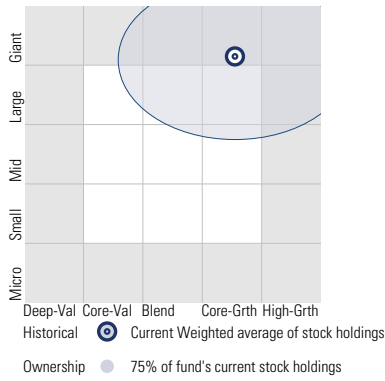
# Vanguard International Growth Adm VWILX

**Morningstar Category**  
Foreign Large Growth

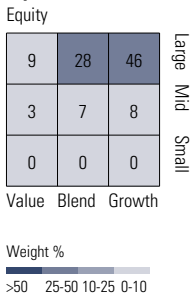
**Morningstar Index**  
MSCI EAFE NR USD

## Style Analysis as of 12-31-2022

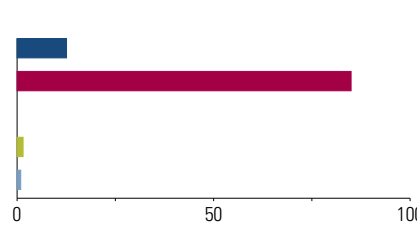
Morningstar Style Box™



## Style Breakdown

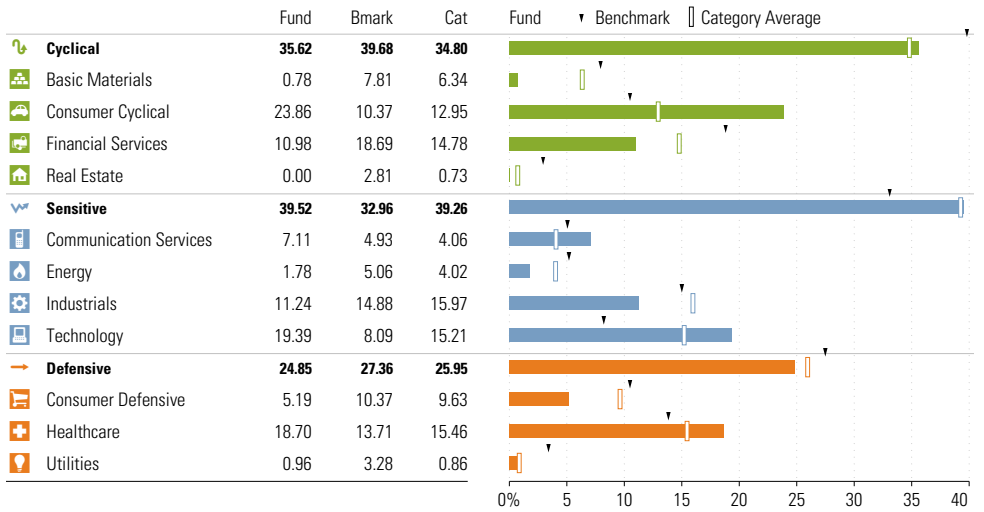


## Asset Allocation as of 12-31-2022



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



## 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.

## 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

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

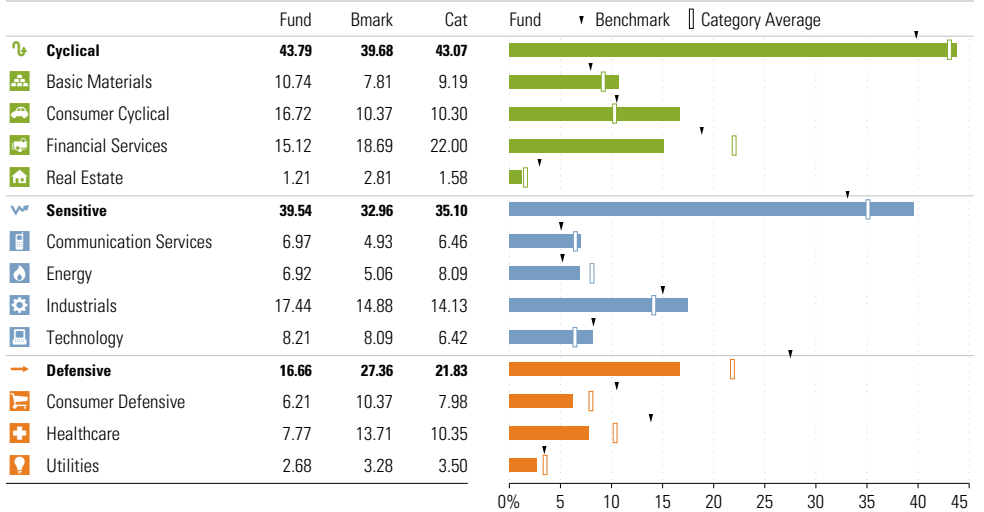


## Asset Allocation as of 12-31-2022



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 Mid-Cap Growth Index Admiral VMGMX

**Morningstar Category**  
Mid-Cap Growth

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

## Portfolio Manager(s)

Donald Butler since 02-2013  
Awais Khan since 07-2021  
Aur lie Denis since 02-2023

## Quantitative Screens

✔ **Performance:** The fund has finished in the Mid-Cap 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 9.86 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 0.07 is 93.14% lower than the Mid-Cap Growth category average.

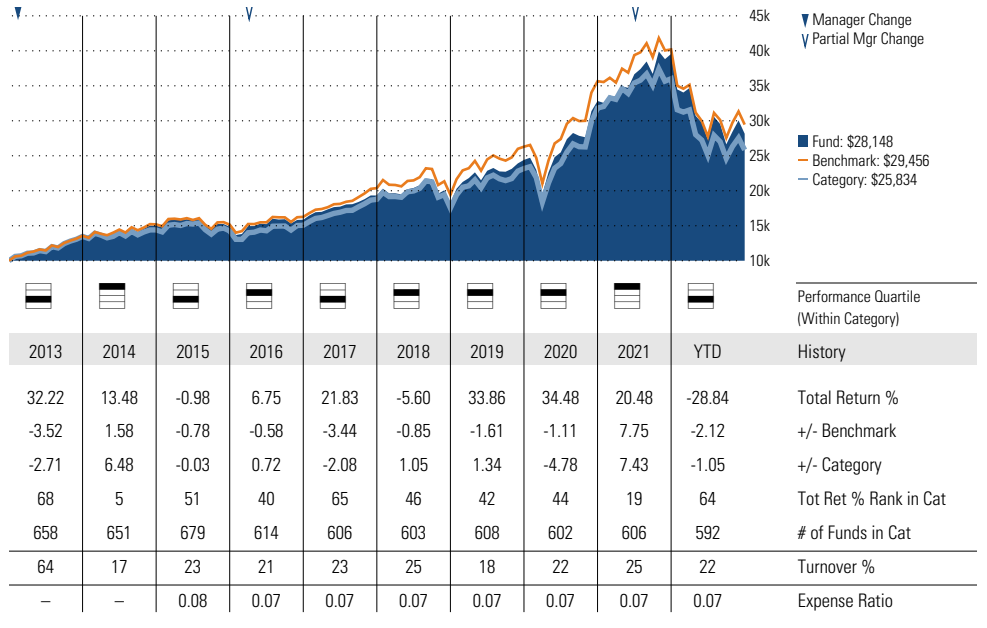
## Morningstar Investment Management LLC Analysis

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.

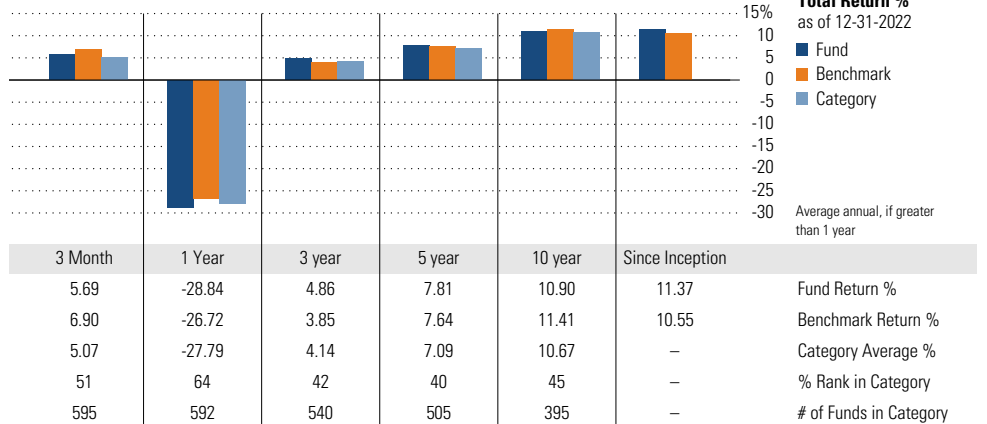
## ESG Metrics

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

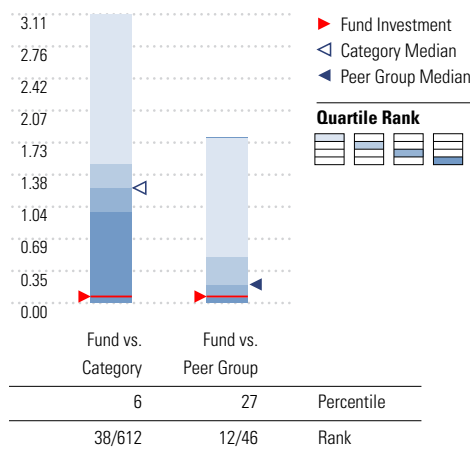
## Growth of \$10,000



## 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	1.01	-	0.30
Beta	1.00	-	0.98
R-Squared	98.86	-	91.63
Standard Deviation	24.98	24.87	25.73
Sharpe Ratio	0.28	0.24	0.24
Tracking Error	2.67	-	7.31
Information Ratio	0.38	-	-0.10
Up Capture Ratio	102.23	-	99.65
Down Capture Ratio	99.40	-	99.89

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	24.13	22.87	25.56
Price/Book Ratio	4.29	5.66	4.02
Geom Avg Mkt Cap \$B	23.11	19.63	16.01
ROE	21.14	28.34	19.80

# Vanguard Mid-Cap Growth Index Admiral VMGMX

Morningstar Category

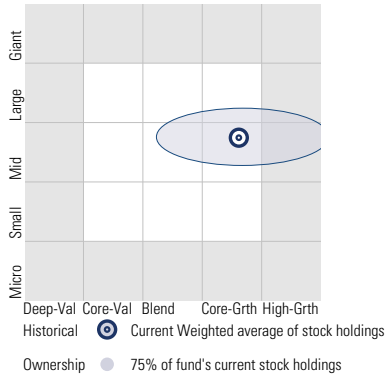
Mid-Cap Growth

Morningstar Index

Russell Mid Cap Growth TR USD

## Style Analysis as of 12-31-2022

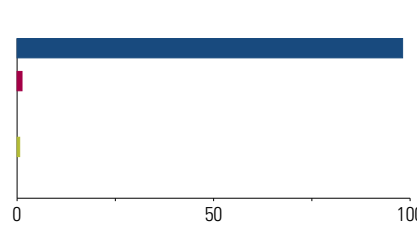
Morningstar Style Box™



## Style Breakdown

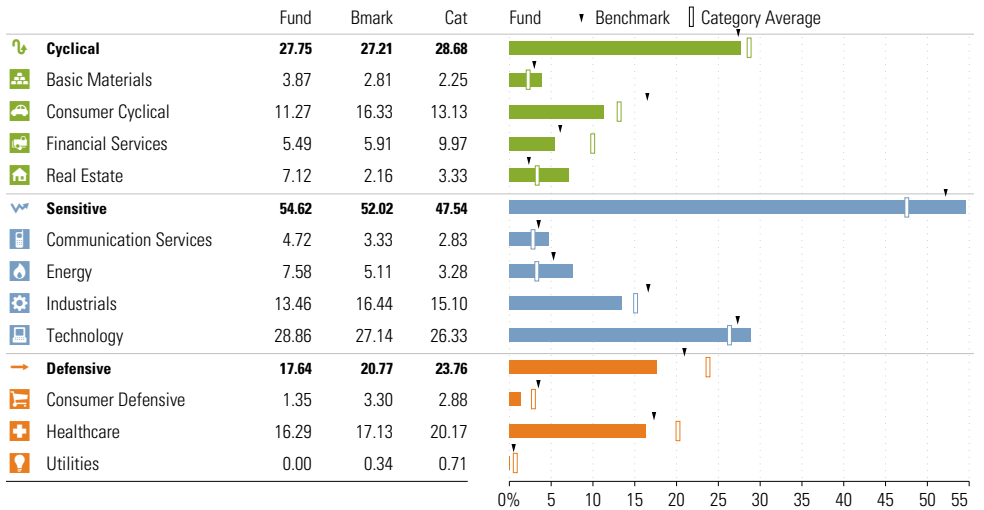


## Asset Allocation as of 12-31-2022



Asset Class	Net %	Cat%
US Stocks	98.09	93.28
Non-US Stocks	1.25	3.72
Bonds	0.00	0.09
Cash	0.66	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 15 Holdings as of 12-31-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Amphenol Corp Class A	1.66	1.66	-12.02	Technology
Cadence Design Systems Inc	1.62	3.28	-13.80	Technology
DexCom Inc	1.60	4.88	-15.64	Healthcare
Motorola Solutions Inc	1.58	6.46	-3.95	Technology
Devon Energy Corp	1.47	7.94	51.37	Energy
Realty Income Corp	1.46	9.40	-7.25	Real Estate
Hess Corp	1.44	10.84	93.60	Energy
Cintas Corp	1.43	12.27	2.85	Industrials
Microchip Technology Inc	1.42	13.69	-17.98	Technology
IQVIA Holdings Inc	1.40	15.08	-27.38	Healthcare
Cheniere Energy Inc	1.37	16.45	49.23	Energy
Enphase Energy Inc	1.32	17.77	44.83	Technology
MSCI Inc	1.30	19.07	-23.33	Financial Services
Waste Connections Inc	1.25	20.32	-2.03	Industrials
TransDigm Group Inc	1.19	21.51	1.87	Industrials

**Total Holdings 169**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Mid-Cap Value Index Admiral VMVAX

**Morningstar Category**  
Mid-Cap Value

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

## Portfolio Manager(s)

Donald Butler since 08-2006  
Awais Khan since 07-2021  
Aurélie Denis since 02-2023

## Quantitative Screens

✔ **Performance:** The fund has finished in the Mid-Cap Value 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 16.38 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 0.07 is 92.86% lower than the Mid-Cap Value category average.

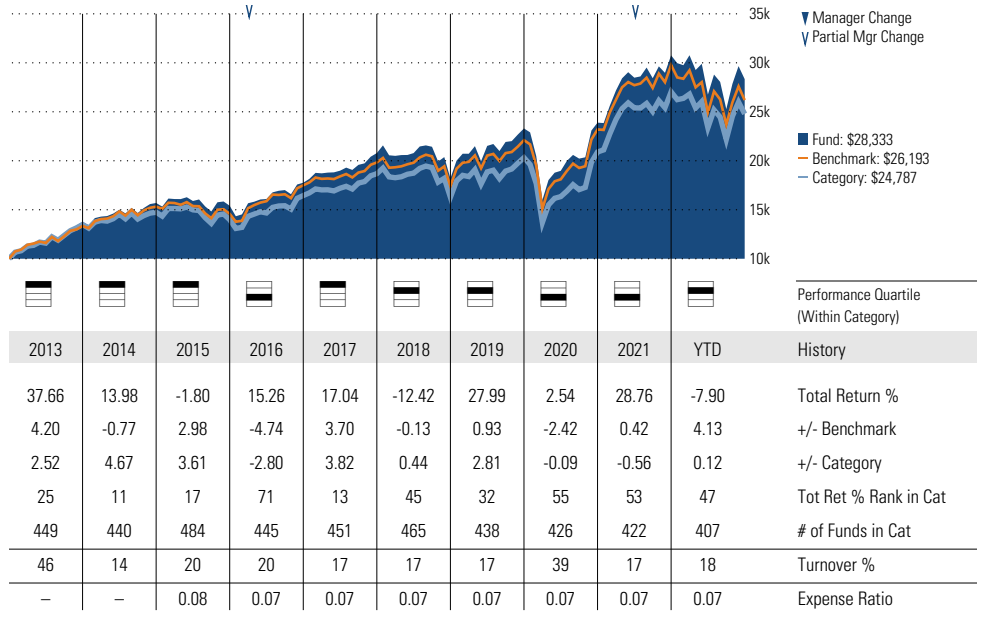
## Morningstar Investment Management LLC Analysis

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.

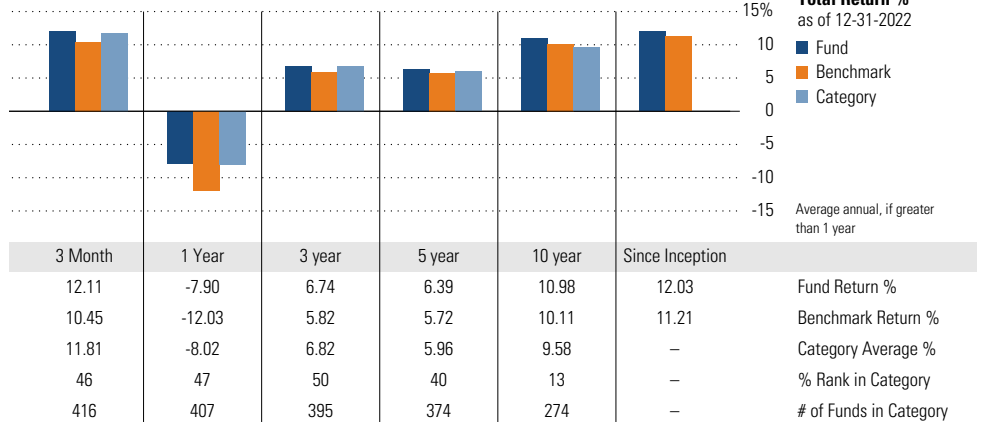
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	01-31-2023
Carbon Risk Score	Medium Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

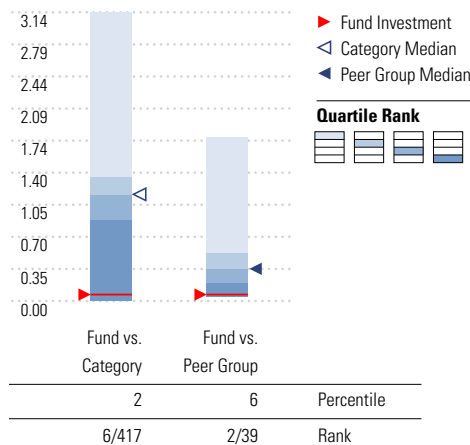
## Growth of \$10,000



## 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

	Fund	Bmark	Cat
Alpha	0.98	-	0.86
Beta	0.96	-	0.99
R-Squared	99.20	-	95.83
Standard Deviation	24.01	24.79	25.07
Sharpe Ratio	0.36	0.32	0.35
Tracking Error	2.32	-	5.36
Information Ratio	0.39	-	0.13
Up Capture Ratio	97.60	-	98.80
Down Capture Ratio	94.49	-	96.45

## Portfolio Metrics

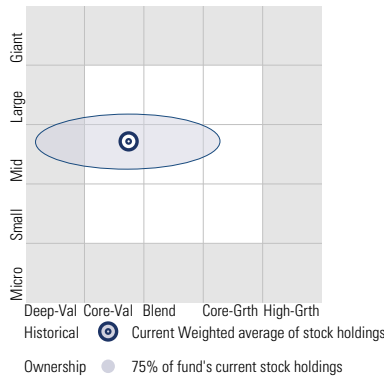
	Fund	Bmark	Cat
Price/Earnings Ratio	13.43	13.97	12.92
Price/Book Ratio	2.15	2.06	1.88
Geom Avg Mkt Cap \$B	21.77	16.01	12.31
ROE	19.85	15.78	17.41

# Vanguard Mid-Cap Value Index Admiral VMVAX

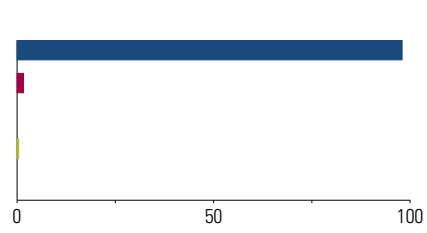
**Morningstar Category**  
Mid-Cap Value

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

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

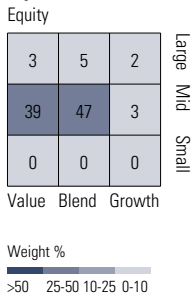


**Asset Allocation** as of 12-31-2022

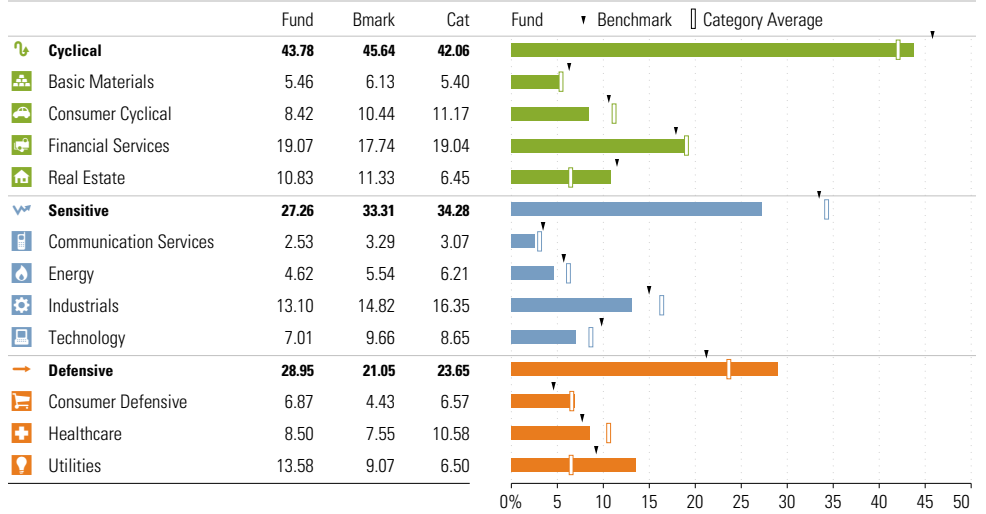


Asset Class	Net %	Cat%
US Stocks	97.96	90.71
Non-US Stocks	1.63	6.46
Bonds	0.00	0.01
Cash	0.41	2.42
Other	0.00	0.40
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Style Breakdown**



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



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

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Centene Corp	1.48	1.48	-0.47	Healthcare
⊖ Corvea Inc	1.35	2.83	25.55	Basic Materials
⊖ Arthur J. Gallagher & Co	1.27	4.10	12.32	Financial Services
⊖ Carrier Global Corp Ordinary Shares	1.10	5.20	-22.78	Industrials
⊖ PG&E Corp	1.09	6.29	33.94	Utilities
⊖ Consolidated Edison Inc	1.08	7.36	15.41	Utilities
⊖ Nucor Corp	1.08	8.44	17.23	Basic Materials
⊖ Ameriprise Financial Inc	1.06	9.50	4.84	Financial Services
⊕ VICI Properties Inc Ordinary Shares	1.03	10.53	12.59	Real Estate
⊖ PACCAR Inc	0.99	11.52	16.88	Industrials
⊖ Keysight Technologies Inc	0.97	12.49	-17.16	Technology
⊖ Dollar Tree Inc	0.95	13.44	0.65	Consumer Defensive
⊖ Rockwell Automation Inc	0.94	14.39	-24.86	Industrials
⊖ WEC Energy Group Inc	0.94	15.33	-0.41	Utilities
⊖ Baker Hughes Co Class A	0.94	16.27	25.77	Energy

**Total Holdings 198**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Real Estate Index Admiral VGSLX

**Morningstar Category**  
Real Estate

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

## Portfolio Manager(s)

Gerard O'Reilly since 05-1996

Walter Nejman since 05-2016

## Quantitative Screens

✔ **Performance:** The fund has finished in the Real Estate 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 26.65 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 0.12 is 88.35% 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

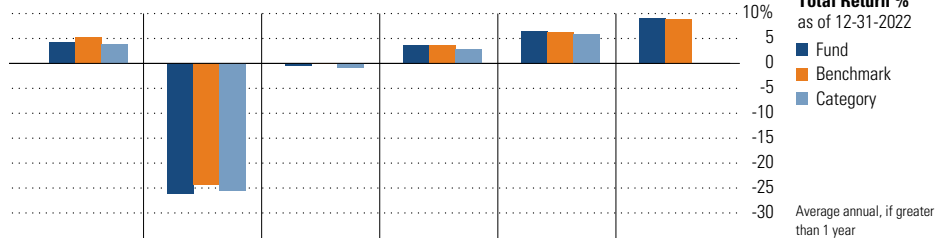
Metric	Rating	Updated
Sustainability Rating	3	01-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

## Growth of \$10,000



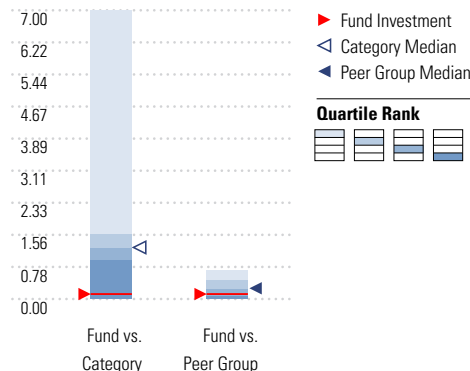
	2013	2014	2015	2016	2017	2018	2019	2020	2021	YTD	History
Performance Quartile (Within Category)	III	III	III	III	III	III	III	III	III	III	History
Total Return %	2.42	30.32	2.39	8.50	4.94	-5.95	28.94	-4.65	40.40	-26.20	Total Return %
+/- Benchmark	0.02	0.06	-0.15	0.01	0.61	-2.16	4.49	2.87	-2.65	-1.84	+/- Benchmark
+/- Category	0.87	2.29	-0.02	1.61	-1.28	0.02	1.66	-0.16	1.67	-0.53	+/- Category
Tot Ret % Rank in Cat	27	32	64	18	57	58	29	44	59	61	Tot Ret % Rank in Cat
# of Funds in Cat	271	276	297	272	260	254	268	256	261	257	# of Funds in Cat
Turnover %	9	11	8	11	7	6	24	6	8	7	Turnover %
Expense Ratio	-	-	0.12	0.12	0.12	0.12	0.11	0.12	0.12	0.12	Expense Ratio

## Trailing Performance



	3 Month	1 Year	3 year	5 year	10 year	Since Inception	
Fund Return %	4.31	-26.20	-0.41	3.68	6.42	9.01	Fund Return %
Benchmark Return %	5.27	-24.36	0.02	3.68	6.37	8.89	Benchmark Return %
Category Average %	3.92	-25.67	-0.91	2.93	5.80	-	Category Average %
% Rank in Category	38	61	57	50	34	-	% Rank in Category
# of Funds in Category	262	257	238	214	155	-	# of Funds in Category

## Net Expense



	6	39	Percentile
Category	16/262	18/47	Rank

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	-0.52	-	-0.42
Beta	0.96	-	0.94
R-Squared	98.63	-	93.47
Standard Deviation	22.84	23.61	22.85
Sharpe Ratio	0.06	0.08	0.07
Tracking Error	2.82	-	5.57
Information Ratio	-0.15	-	-0.09
Up Capture Ratio	97.54	-	94.53
Down Capture Ratio	98.93	-	96.18

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	22.95	38.46	23.21
Price/Book Ratio	2.22	2.42	2.12
Geom Avg Mkt Cap \$B	20.24	9.35	24.92
ROE	17.96	9.56	17.43

# Vanguard Real Estate Index Admiral VGSLX

**Morningstar Category**  
Real Estate

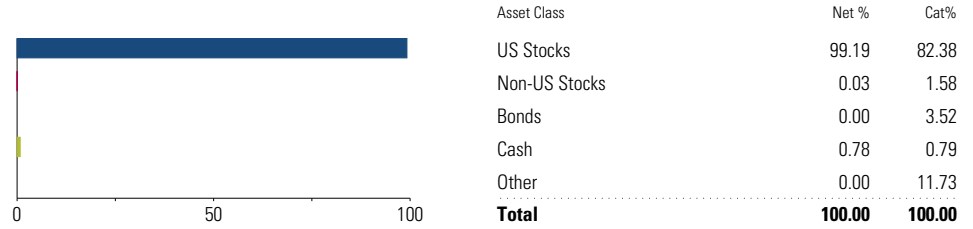
**Morningstar Index**  
S&P United States REIT TR USD

## Style Analysis as of 12-31-2022

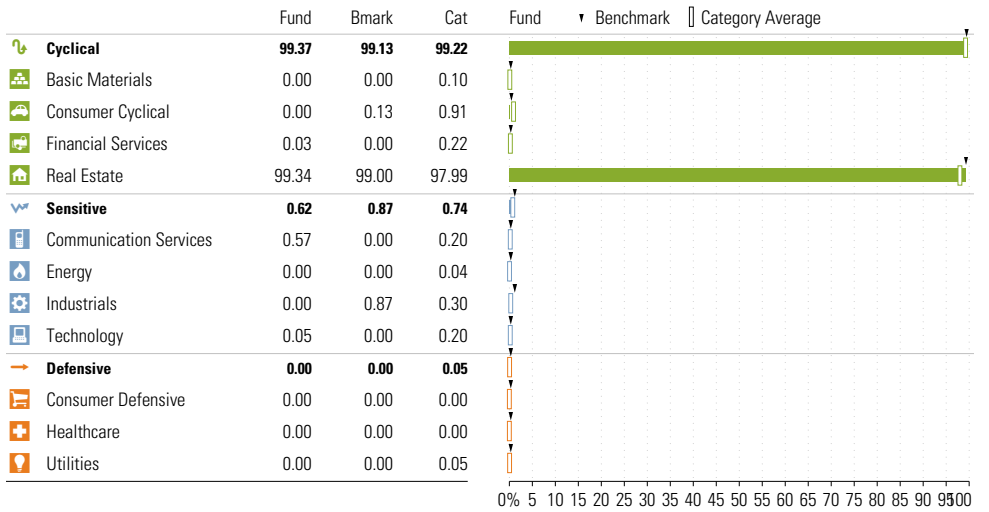
Morningstar Style Box™



## Asset Allocation as of 12-31-2022



## Sector Weighting as of 12-31-2022



## Style Breakdown



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

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Real Estate II Index	12.14	12.14	-	-
⊖ Prologis Inc	7.35	19.48	-31.17	Real Estate
⊖ American Tower Corp	6.96	26.45	-25.57	Real Estate
⊖ Equinix Inc	4.21	30.66	-21.09	Real Estate
⊖ Crown Castle Inc	4.15	34.81	-32.16	Real Estate
⊖ Public Storage	3.13	37.93	-19.55	Real Estate
⊖ Realty Income Corp	2.77	40.70	-7.25	Real Estate
⊖ Simon Property Group Inc	2.64	43.34	-22.15	Real Estate
⊖ SBA Communications Corp	2.13	45.47	-27.21	Real Estate
⊖ Welltower Inc	2.07	47.54	-20.73	Real Estate
⊖ Digital Realty Trust Inc	1.94	49.47	-40.55	Real Estate
⊖ VICI Properties Inc Ordinary Shares	1.93	51.40	12.59	Real Estate
⊖ CBRE Group Inc Class A	1.75	53.15	-29.08	Real Estate
⊖ Weyerhaeuser Co	1.62	54.77	-19.45	Real Estate
⊖ AvalonBay Communities Inc	1.59	56.36	-33.54	Real Estate

**Total Holdings 171**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Small Cap Growth Index Admiral VSGAX

**Morningstar Category**  
Small Growth

**Morningstar Index**  
Russell 2000 Growth TR USD

## Portfolio Manager(s)

Gerard O'Reilly since 12-2004  
William Coleman since 04-2016

## Quantitative Screens

✔ **Performance:** The fund has finished in the Small 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 18.01 years.

✘ **Style:** The fund has landed in its primary style box — Small Growth — 54.55 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.07 is 94.12% lower than the Small Growth category average.

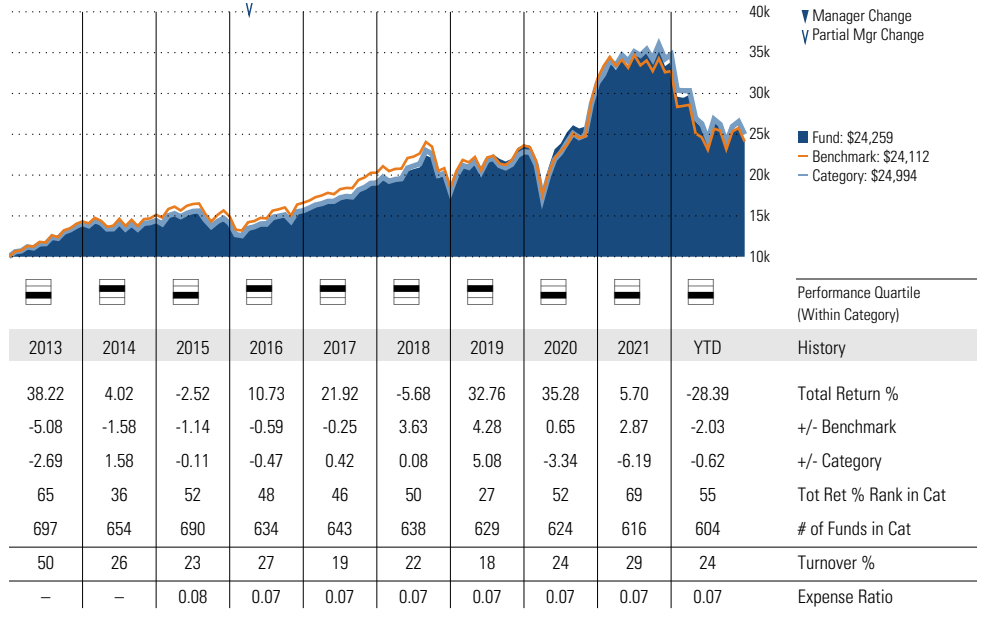
## Morningstar Investment Management LLC Analysis

This fund fails our style screen but its portfolio positioning remains consistent with the benchmark index it tracks.

## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	01-31-2023
Carbon Risk Score	Medium Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

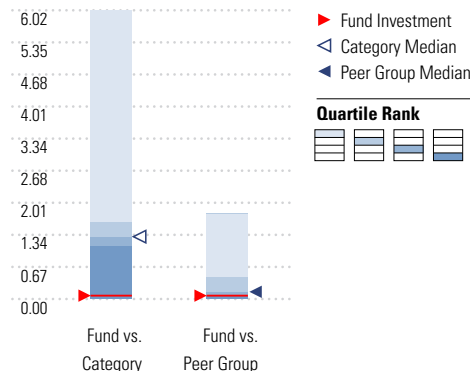
## Growth of \$10,000



## 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

	Fund	Bmark	Cat
Alpha	0.12	-	2.83
Beta	0.95	-	0.95
R-Squared	96.74	-	91.46
Standard Deviation	25.67	26.57	26.53
Sharpe Ratio	0.12	0.12	0.22
Tracking Error	4.82	-	7.92
Information Ratio	0.03	-	0.35
Up Capture Ratio	97.98	-	101.46
Down Capture Ratio	97.66	-	94.05

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	19.99	13.28	21.13
Price/Book Ratio	3.26	3.39	3.57
Geom Avg Mkt Cap \$B	4.85	2.51	4.52
ROE	10.83	12.50	12.24

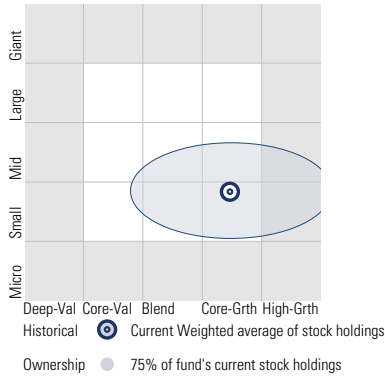
# Vanguard Small Cap Growth Index Admiral VSGAX

**Morningstar Category**  
Small Growth

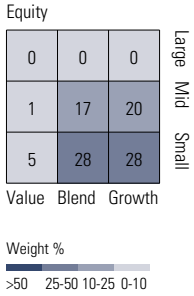
**Morningstar Index**  
Russell 2000 Growth TR USD

## Style Analysis as of 12-31-2022

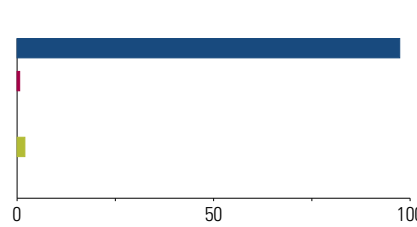
Morningstar Style Box™



## Style Breakdown

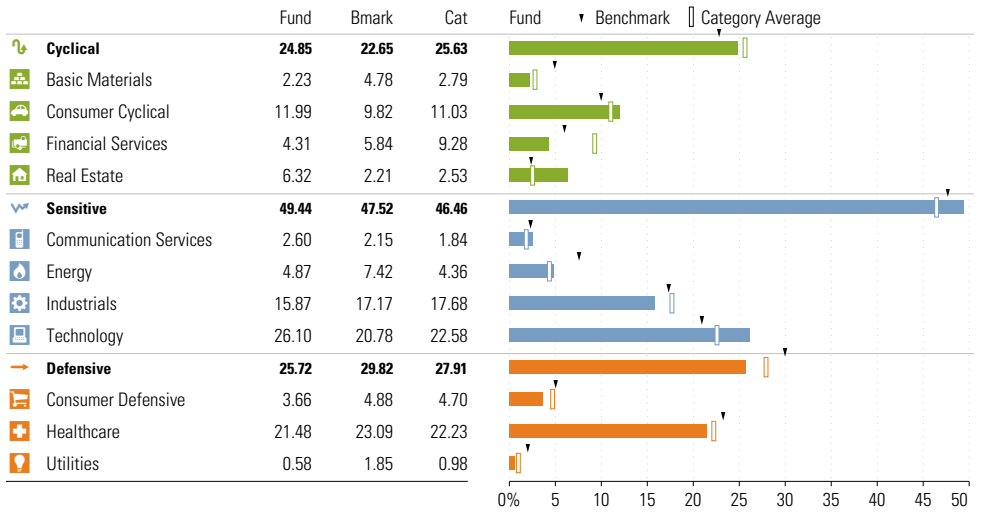


## Asset Allocation as of 12-31-2022



Asset Class	Net %	Cat%
US Stocks	97.36	92.50
Non-US Stocks	0.66	4.22
Bonds	0.00	0.01
Cash	1.98	2.51
Other	0.00	0.76
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2022



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

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Slcmt1142	1.82	1.82	-	-
Targa Resources Corp	0.92	2.74	43.38	Energy
Fair Isaac Corp	0.82	3.56	38.03	Technology
Bio-Techne Corp	0.72	4.28	-35.67	Healthcare
PTC Inc	0.70	4.98	-0.92	Technology
Nordson Corp	0.67	5.65	-5.97	Industrials
The Toro Co	0.65	6.30	14.54	Industrials
Liberty Formula One Group C	0.65	6.95	-5.47	Communication Svc
Neurocrine Biosciences Inc	0.63	7.58	40.24	Healthcare
Graco Inc	0.62	8.20	-15.53	Industrials
Axon Enterprise Inc	0.62	8.82	5.69	Industrials
Equity Lifestyle Properties Inc	0.60	9.42	-24.44	Real Estate
Sarepta Therapeutics Inc	0.60	10.01	43.90	Healthcare
Deckers Outdoor Corp	0.58	10.60	8.97	Consumer Cyclical
Darling Ingredients Inc	0.55	11.15	-9.67	Consumer Defensive

**Total Holdings 697**

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# Vanguard Total World Stock Index Admiral VTWAX

**Morningstar Category**  
Global Large-Stock Blend

**Morningstar Index**  
MSCI ACWI NR USD

## Portfolio Manager(s)

Christine Franquin since 02-2013  
Scott Geiger since 11-2017

## Quantitative Screens

✔ **Performance:** The fund has finished in the Global Large-Stock Blend category's top three quartiles in 3 of the 3 years it's been in existence.

✔ **Management:** The fund's management has been in place for 9.86 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 0.1 is 89.9% lower than the Global Large-Stock Blend category average.

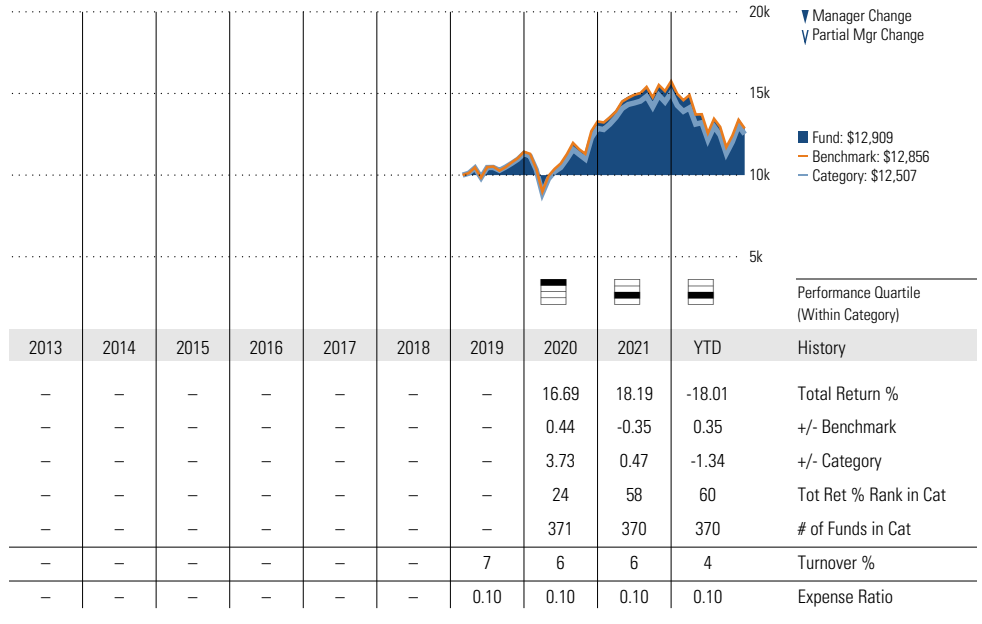
## Morningstar Investment Management LLC Analysis

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.

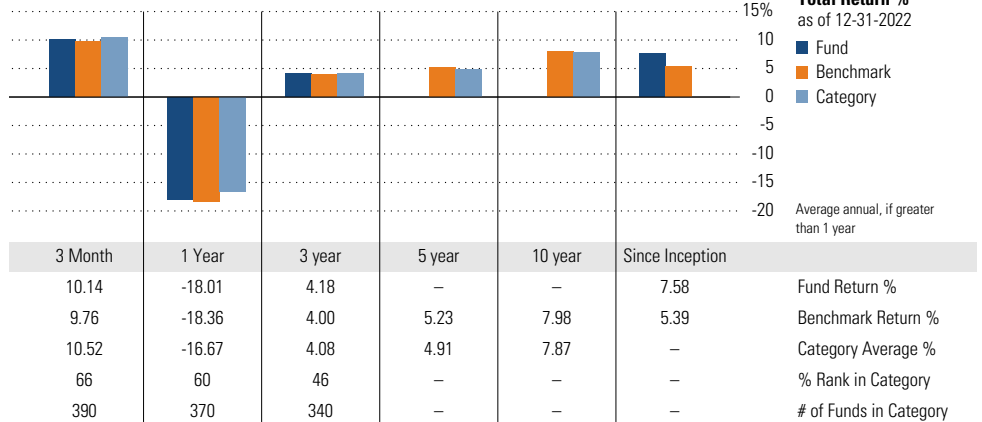
## ESG Metrics

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

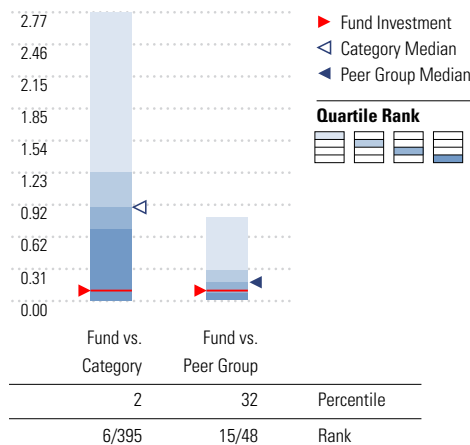
## Growth of \$10,000



## 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	0.14	-	0.08
Beta	1.02	-	0.97
R-Squared	99.68	-	94.06
Standard Deviation	20.59	20.14	20.17
Sharpe Ratio	0.26	0.25	0.24
Tracking Error	1.23	-	4.85
Information Ratio	0.14	-	-0.02
Up Capture Ratio	102.10	-	98.24
Down Capture Ratio	101.67	-	98.49

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	14.75	15.37	16.22
Price/Book Ratio	2.20	2.37	2.51
Geom Avg Mkt Cap \$B	58.67	87.09	70.43
ROE	24.09	25.56	24.69

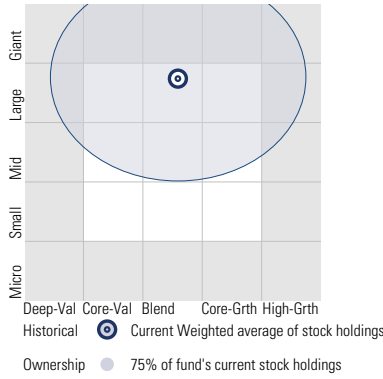
# Vanguard Total World Stock Index Admiral VTWAX

**Morningstar Category**  
Global Large-Stock Blend

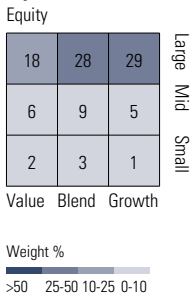
**Morningstar Index**  
MSCI ACWI NR USD

## Style Analysis as of 12-31-2022

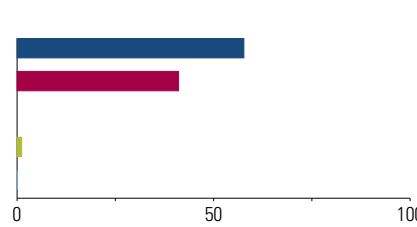
Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 12-31-2022



Asset Class	Net %	Cat%
US Stocks	57.70	56.49
Non-US Stocks	41.09	38.12
Bonds	0.00	1.65
Cash	1.16	1.97
Other	0.04	1.77
<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>35.24</b>	<b>34.06</b>	<b>32.13</b>			
Basic Materials	5.11	4.82	5.18			
Consumer Cyclical	10.35	10.06	10.14			
Financial Services	16.29	16.40	14.09			
Real Estate	3.49	2.78	2.72			
<b>Sensitive</b>	<b>41.09</b>	<b>41.45</b>	<b>41.29</b>			
Communication Services	6.42	6.94	5.83			
Energy	5.43	5.61	5.17			
Industrials	11.25	10.27	14.55			
Technology	17.99	18.63	15.74			
<b>Defensive</b>	<b>23.67</b>	<b>24.48</b>	<b>26.56</b>			
Consumer Defensive	7.48	7.90	8.39			
Healthcare	13.04	13.46	13.38			
Utilities	3.15	3.12	4.79			

## World Regions % Equity 12-31-2022



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	19.09	13.25	Americas	62.54	63.73	Greater Europe	18.37	23.01	Developed Markets	91.49
Japan	6.28	5.32	North America	61.40	62.94	United Kingdom	4.14	6.10	Emerging Markets	8.51
Australasia	2.28	1.21	Central/Latin	1.14	0.79	W euro-ex UK	12.45	16.48	Not Available	0.00
Asia-4 Tigers	4.30	3.49				Emrgng Europe	0.25	0.03		
Asia-ex 4 Tigers	6.23	3.23				Africa	1.53	0.40		
Not Classified	0.00	0.00								

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

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Apple Inc	3.05	3.05	-26.32	Technology
⊕ Microsoft Corp	2.81	5.86	-27.94	Technology
⊕ Amazon.com Inc	1.17	7.02	-49.62	Consumer Cyclical
⊕ Alphabet Inc Class A	0.85	7.88	-39.09	Communication Svc
⊕ UnitedHealth Group Inc	0.77	8.65	6.86	Healthcare
⊕ Johnson & Johnson	0.73	9.38	5.86	Healthcare
⊕ Alphabet Inc Class C	0.72	10.10	-38.67	Communication Svc
⊕ Berkshire Hathaway Inc Class B	0.72	10.82	3.31	Financial Services
⊕ Exxon Mobil Corp	0.71	11.53	86.06	Energy
⊕ JPMorgan Chase & Co	0.61	12.14	-12.79	Financial Services

**Total Holdings 9453**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Value Index Adm VVIAX

**Morningstar Category**  
Large Value

**Morningstar Index**  
Russell 1000 Value TR USD

## Portfolio Manager(s)

Gerard O'Reilly since 12-1994

Walter Nejman since 04-2016

## Quantitative Screens

✔ **Performance:** The fund has finished in the Large Value 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 28.02 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.05 is 94.44% lower than the Large Value category average.

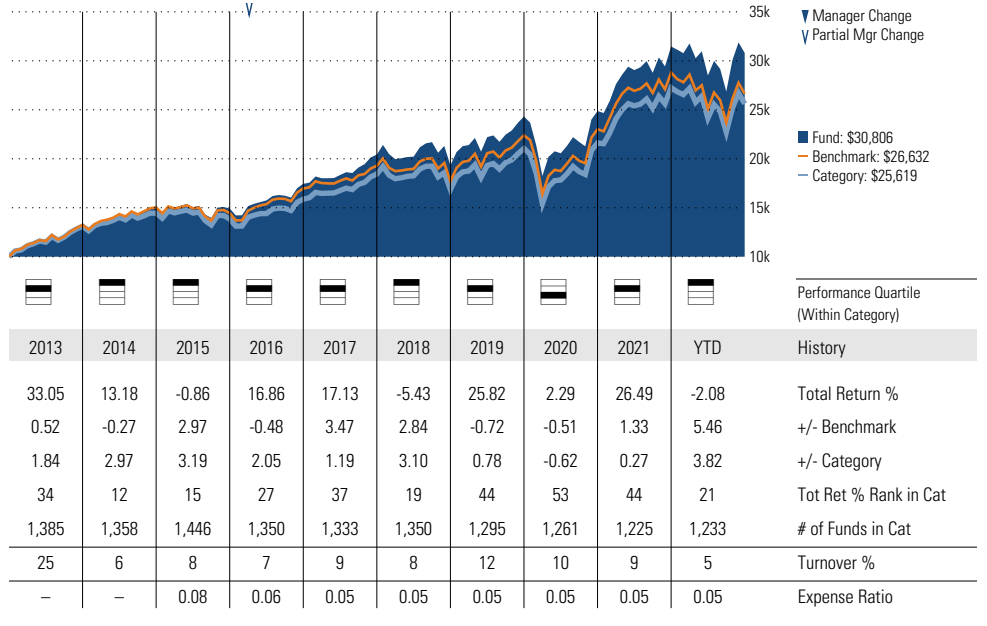
## Morningstar Investment Management LLC Analysis

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.

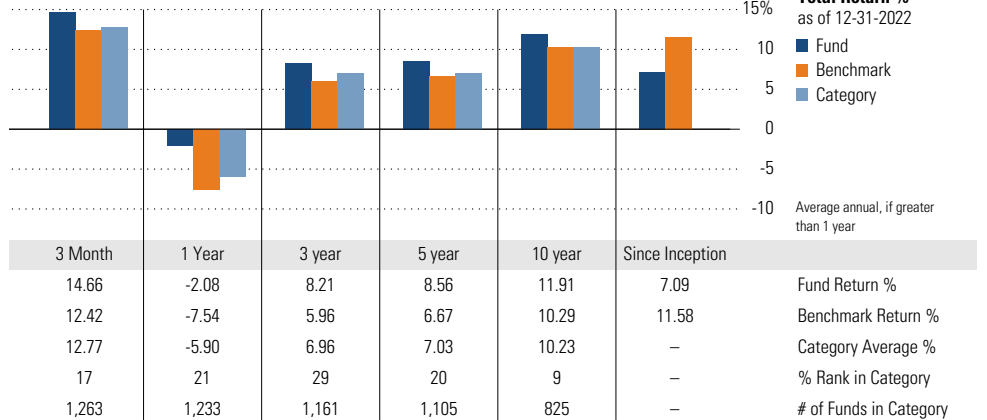
## ESG Metrics

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

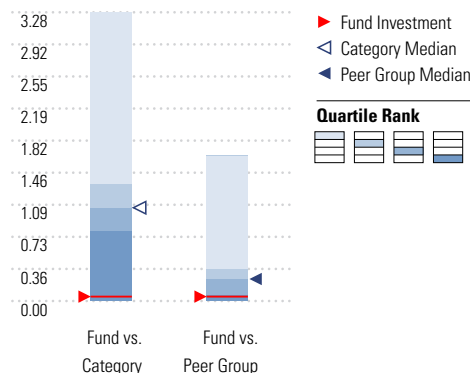
## Growth of \$10,000



## Trailing Performance



## Net Expense



## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	2.32	-	1.13
Beta	0.94	-	0.98
R-Squared	98.76	-	95.78
Standard Deviation	20.48	21.55	21.69
Sharpe Ratio	0.44	0.34	0.38
Tracking Error	2.58	-	4.67
Information Ratio	0.87	-	0.24
Up Capture Ratio	99.62	-	99.43
Down Capture Ratio	91.81	-	95.85

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	15.49	15.09	13.78
Price/Book Ratio	2.59	2.25	2.38
Geom Avg Mkt Cap \$B	105.35	73.18	109.39
ROE	24.15	18.04	23.75

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

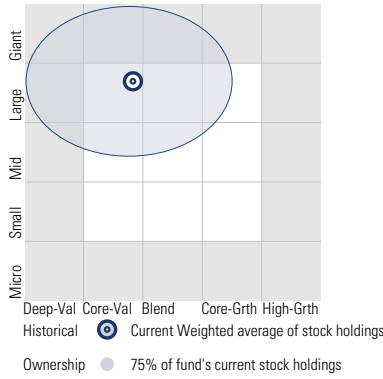
# Vanguard Value Index Adm VVIAX

**Morningstar Category**  
Large Value

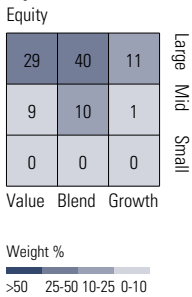
**Morningstar Index**  
Russell 1000 Value TR USD

## Style Analysis as of 12-31-2022

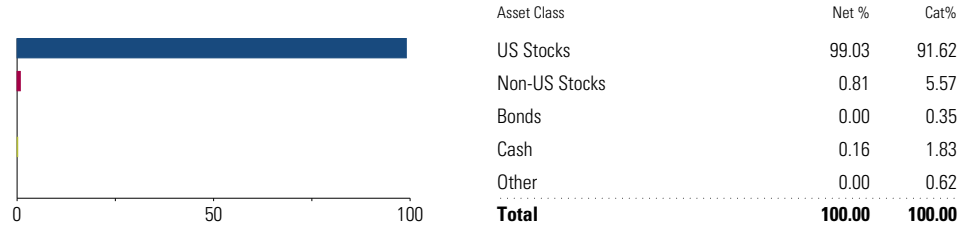
Morningstar Style Box™



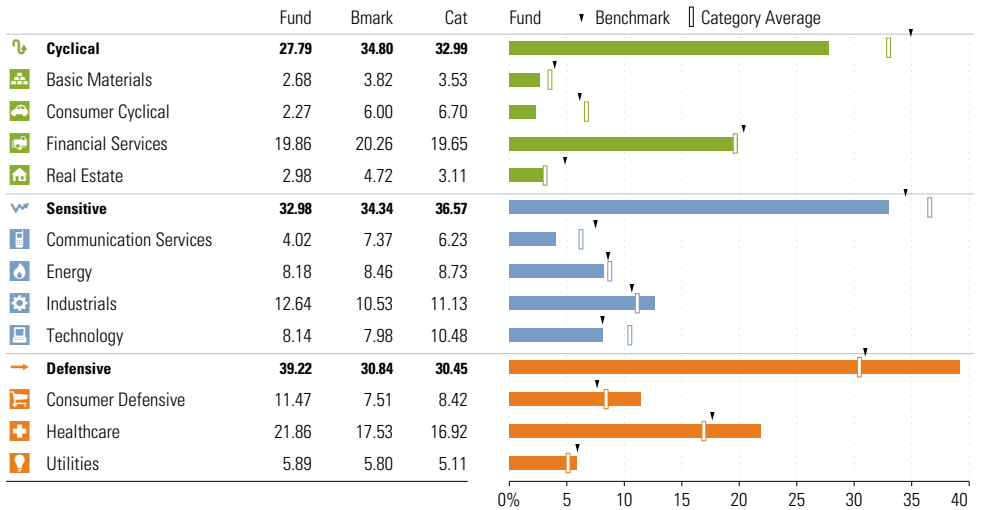
## Style Breakdown



## Asset Allocation as of 12-31-2022



## Sector Weighting as of 12-31-2022



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

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Berkshire Hathaway Inc Class B	3.13	3.13	3.31	Financial Services
⊕ UnitedHealth Group Inc	2.89	6.02	6.86	Healthcare
⊕ Johnson & Johnson	2.70	8.72	5.86	Healthcare
⊖ Exxon Mobil Corp	2.65	11.37	86.06	Energy
⊕ JPMorgan Chase & Co	2.30	13.67	-12.79	Financial Services
⊕ Procter & Gamble Co	2.10	15.76	-5.14	Consumer Defensive
⊖ Chevron Corp	1.82	17.59	57.79	Energy
⊕ Pfizer Inc	1.68	19.27	-10.52	Healthcare
⊕ AbbVie Inc	1.67	20.94	23.80	Healthcare
⊕ Merck & Co Inc	1.64	22.58	48.42	Healthcare
⊕ PepsiCo Inc	1.45	24.03	6.61	Consumer Defensive
⊕ Coca-Cola Co	1.45	25.48	10.40	Consumer Defensive
⊕ Broadcom Inc	1.32	26.80	-13.43	Technology
⊕ Bank of America Corp	1.32	28.12	-23.62	Financial Services
⊖ Walmart Inc	1.12	29.24	-0.46	Consumer Defensive

**Total Holdings 345**

⊕ Increase ⊖ Decrease ✨ New to Portfolio