

# American Century Inflation Adjs Bond R5 AIANX

**Morningstar Category**  
Inflation-Protected Bond

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

## Portfolio Manager(s)

Robert Gahagan since 11-2001  
James Platz since 09-2007  
Miguel Castillo since 02-2014

## Quantitative Screens

✔ **Performance:** The fund has finished in the Inflation-Protected 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 20.59 years.

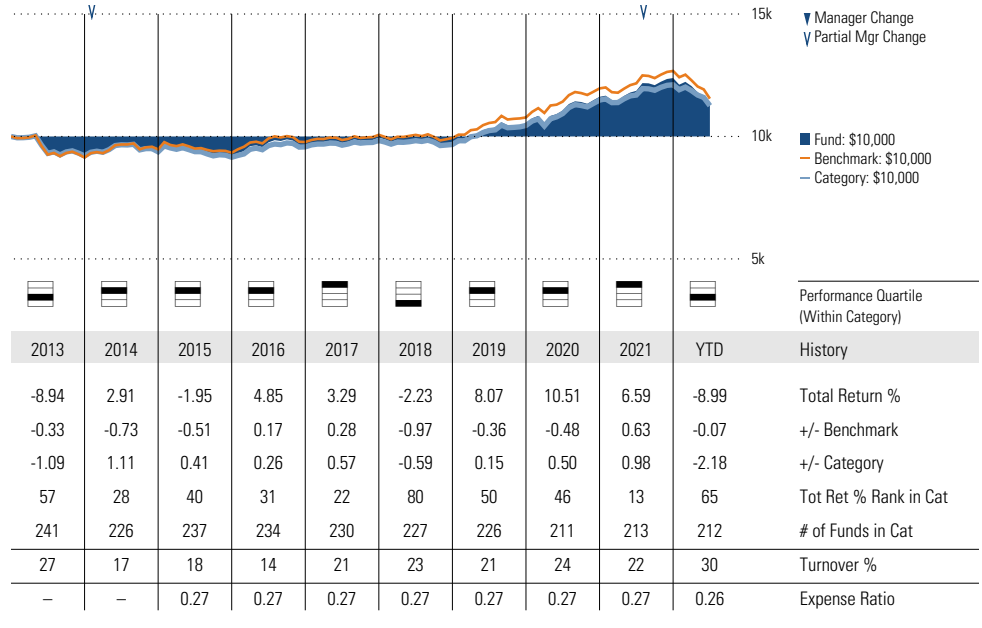
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.27 is 53.45% 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.

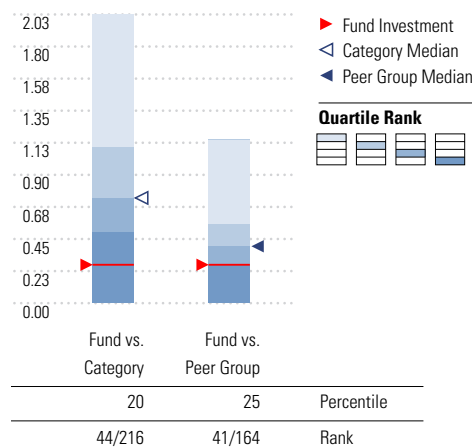
## Growth of \$10,000



## 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	-0.18	-	0.12
Beta	1.03	-	0.90
R-Squared	97.26	-	81.19
Standard Deviation	5.25	5.01	5.14
Sharpe Ratio	0.47	0.51	0.51
Tracking Error	0.88	-	2.40
Information Ratio	-0.11	-	-0.31
Up Capture Ratio	101.26	-	90.59
Down Capture Ratio	103.57	-	89.58

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	7.36	4.52	6.23
Avg Eff Maturity	7.74	-	7.41

# American Century Inflation Adjs Bond R5 AIANX

**Morningstar Category**  
Inflation-Protected Bond

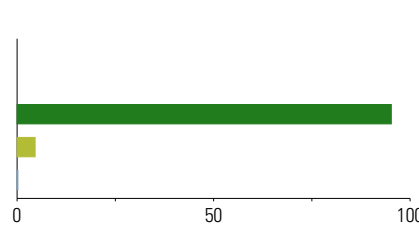
**Morningstar Index**  
Bloomberg US Treasury US TIPS TR USD

## Style Analysis as of 06-30-2022

### Style Breakdown



## Asset Allocation as of 06-30-2022

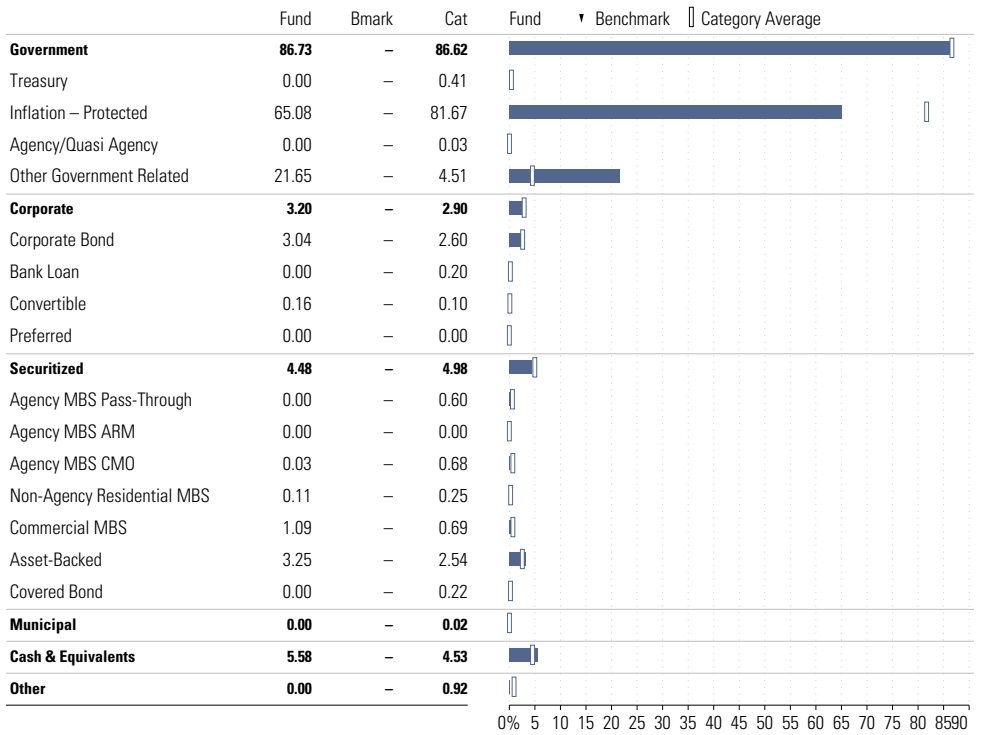


Asset Class	Net %	Cat%
US Stocks	0.00	0.11
Non-US Stocks	0.00	0.00
Bonds	95.21	94.74
Cash	4.58	4.31
Other	0.20	0.83
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	88.81	0.00	87.52
AA	1.16	99.60	8.49
A	2.59	0.00	0.26
BBB	3.32	0.00	0.89
BB	0.09	0.00	0.23
B	0.00	0.00	0.05
Below B	0.00	0.00	0.10
Not Rated	4.03	0.40	2.46

## Sector Weighting as of 06-30-2022



## Top 10 Holdings as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ United States Treasury Notes 0.125%	10-2025	6.44	6.44	-
⊕ United States Treasury Notes 0.625%	01-2026	5.15	11.59	-
⊕ United States Treasury Bonds 2%	01-2026	3.89	15.49	-
⊕ 5 Year Treasury Note Future June 22	06-2022	3.45	18.94	-
⊖ United States Treasury Notes 0.125%	01-2023	3.43	22.37	-
⊕ United States Treasury Notes 0.25%	01-2025	2.96	25.32	-
⊕ United States Treasury Bonds 1.375%	02-2044	2.90	28.22	-
⊕ United States Treasury Notes 0.5%	01-2028	2.79	31.01	-
⊕ Landesbank Baden Wurttemberg New York Branch 0%	04-2022	2.73	33.74	-
⊕ United States Treasury Notes 0.125%	01-2031	2.72	36.46	-

**Total Holdings 216**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# American Funds AMCAP R6 RAFGX

**Morningstar Category**  
Large Growth

**Morningstar Index**  
Russell 1000 Growth TR USD

## Portfolio Manager(s)

James Terrile since 05-2011  
Lawrence Solomon since 05-2011  
Aidan O'Connell since 07-2015  
Jessica Spaly since 10-2017  
Martin Jacobs since 05-2018  
Cheryl Frank since 10-2018  
Gregory Wendt since 05-2019  
Eric Stern since 11-2019

## Quantitative Screens

✔ **Performance:** The fund has finished in the Large Growth 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 11.17 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 0.33 is 65.63% lower than the Large Growth category average.

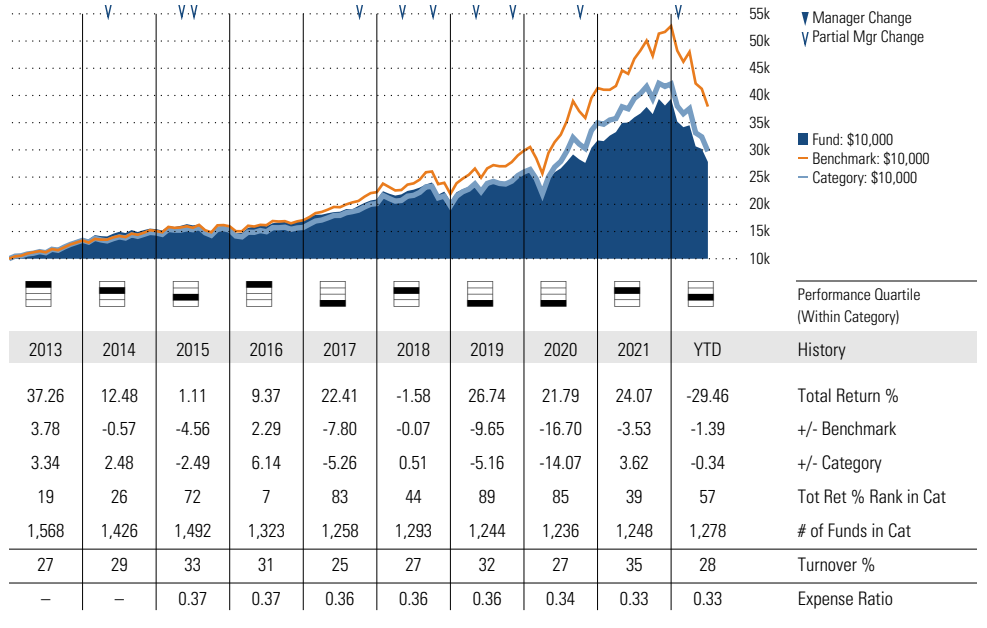
## Morningstar Investment Management LLC Analysis

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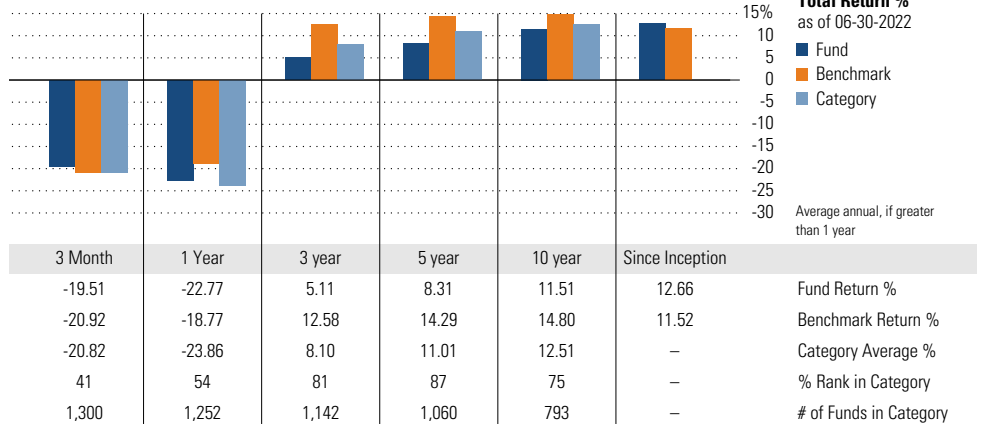
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022

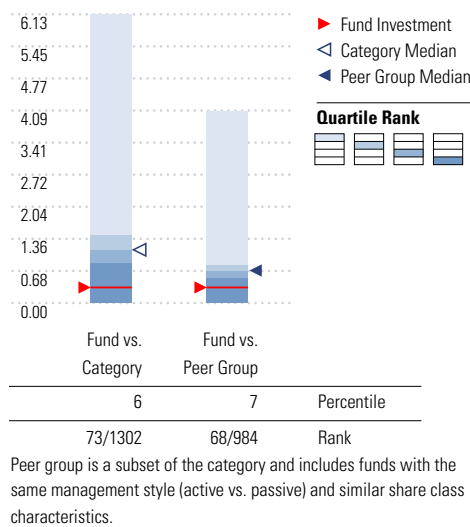
## Growth of \$10,000



## Trailing Performance



## Net Expense



## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-5.40	-	-3.87
Beta	0.87	-	0.98
R-Squared	90.90	-	92.23
Standard Deviation	19.18	21.09	21.51
Sharpe Ratio	0.32	0.64	0.44
Tracking Error	6.43	-	6.03
Information Ratio	-1.16	-	-0.87
Up Capture Ratio	72.21	-	86.89
Down Capture Ratio	88.28	-	98.97

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	26.76	24.98	23.80
Price/Book Ratio	5.96	8.79	6.54
Geom Avg Mkt Cap \$B	118.04	250.47	284.82
ROE	25.57	42.14	37.75

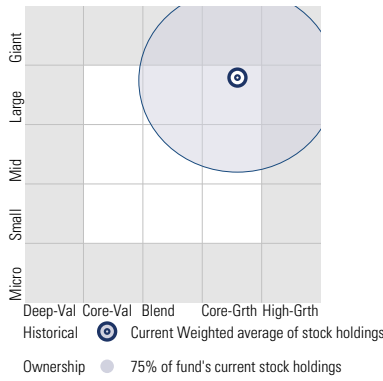
# American Funds AMCAP R6 RAFGX

**Morningstar Category**  
Large Growth

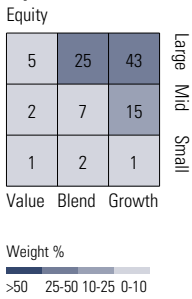
**Morningstar Index**  
Russell 1000 Growth TR USD

## Style Analysis as of 06-30-2022

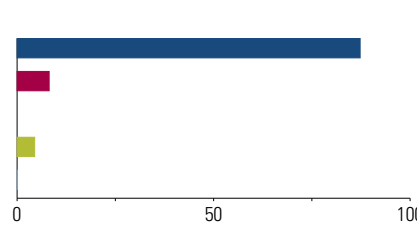
Morningstar Style Box™



## Style Breakdown

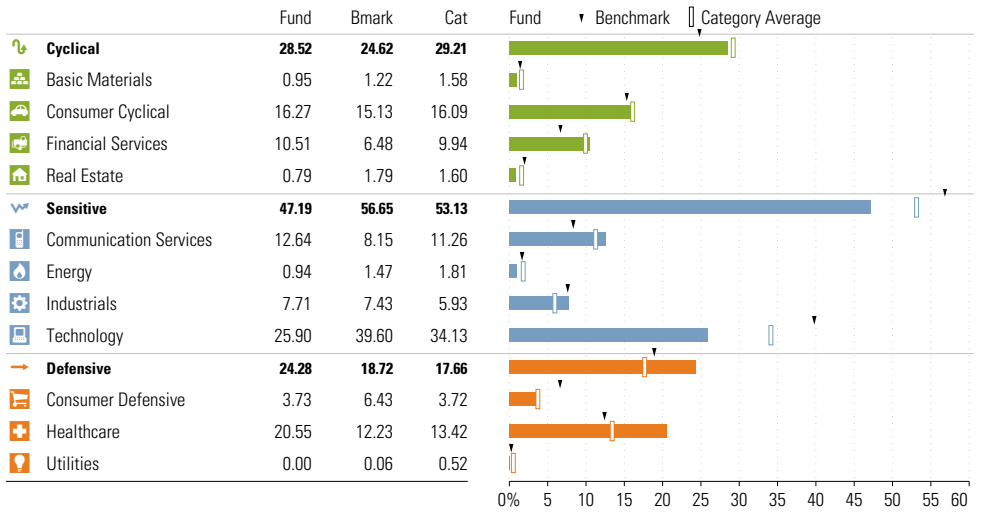


## Asset Allocation as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	87.28	93.74
Non-US Stocks	8.15	4.05
Bonds	0.00	-0.01
Cash	4.47	1.71
Other	0.10	0.51
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2022



## Top 15 Holdings as of 06-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Microsoft Corp	5.45	5.45	-23.27	Technology
Amazon.com Inc	4.47	9.93	-36.29	Consumer Cyclical
Capital Group Central Cash Fund	4.36	14.28	-	-
UnitedHealth Group Inc	3.41	17.69	2.91	Healthcare
Netflix Inc	3.17	20.86	-70.97	Communication Svc
Broadcom Inc	2.75	23.61	-25.76	Technology
Alphabet Inc Class A	2.51	26.13	-24.78	Communication Svc
Alphabet Inc Class C	2.37	28.50	-24.40	Communication Svc
Abbott Laboratories	2.32	30.82	-22.13	Healthcare
Mastercard Inc Class A	2.23	33.06	-11.93	Financial Services
Thermo Fisher Scientific Inc	2.02	35.08	-18.49	Healthcare
Hilton Worldwide Holdings Inc	1.62	36.70	-28.46	Consumer Cyclical
Meta Platforms Inc Class A	1.56	38.26	-52.06	Communication Svc
ASML Holding NV	1.36	39.63	-34.97	Technology
Micron Technology Inc	1.23	40.85	-40.55	Technology

**Total Holdings 216**

⊕ 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

## 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 23.51 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 75.73% lower than the Allocation--50% to 70% Equity category average.

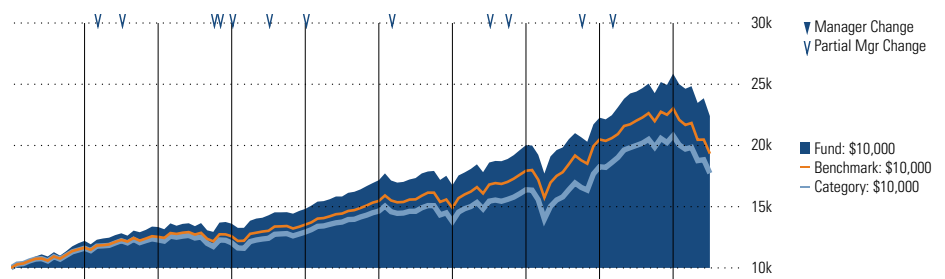
## Morningstar Investment Management LLC Analysis

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## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

## Growth of \$10,000



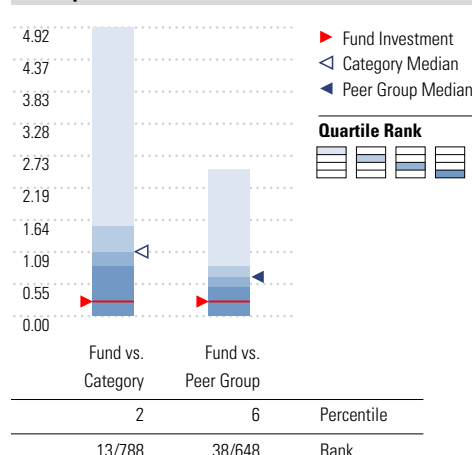
	2013	2014	2015	2016	2017	2018	2019	2020	2021	YTD	Performance Quartile (Within Category)
	22.12	9.22	2.03	8.90	15.84	-2.42	19.55	11.22	16.11	-13.38	History
	5.59	1.65	1.67	1.30	1.56	1.24	-0.78	-3.04	3.74	2.67	Total Return %
	5.64	3.01	3.96	1.56	2.63	3.34	0.32	-0.50	2.22	1.05	+/- Benchmark
	5	16	3	20	15	8	48	57	28	28	+/- Category
	834	808	858	806	787	805	779	753	766	776	Tot Ret % Rank in Cat
	55	68	82	79	95	72	104	176	158	-	# of Funds in Cat
	-	-	0.29	0.29	0.28	0.28	0.27	0.26	0.25	-	Turnover %
	-	-	0.29	0.29	0.28	0.28	0.27	0.26	0.25	-	Expense Ratio

## Trailing Performance



	3 Month	1 Year	3 year	5 year	10 year	Since Inception	Total Return % as of 06-30-2022
	-9.83	-8.19	6.38	7.19	9.06	10.41	Fund Return %
	-11.47	-12.23	4.77	6.01	7.37	5.38	Benchmark Return %
	-10.58	-11.07	4.54	5.29	6.69	-	Category Average %
	25	20	19	14	5	-	% Rank in Category
	785	756	710	646	481	-	# 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	1.77	-	-0.38
Beta	0.94	-	1.02
R-Squared	96.66	-	93.07
Standard Deviation	11.38	11.84	12.60
Sharpe Ratio	0.55	0.40	0.36
Tracking Error	2.18	-	3.26
Information Ratio	0.74	-	-0.11
Up Capture Ratio	103.00	-	100.35
Down Capture Ratio	92.77	-	103.04

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	18.34	16.17	16.05
Price/Book Ratio	3.56	2.64	2.58
Avg Eff Duration	7.18	6.45	5.14

# American Funds American Balanced R6 RLBGX

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

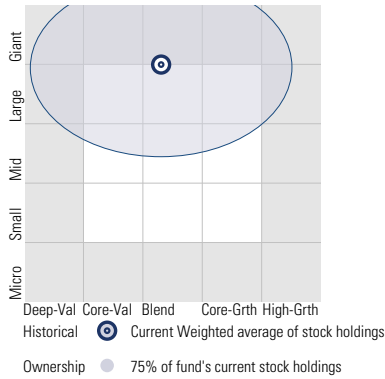
**Morningstar Index**

Morningstar US Mod Tgt Alloc NR USD

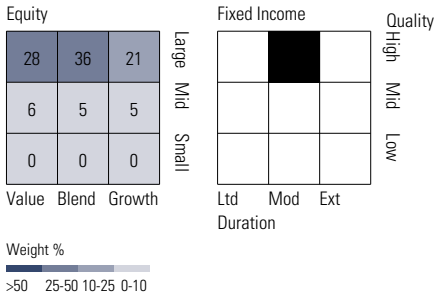
Equity

## Style Analysis as of 06-30-2022

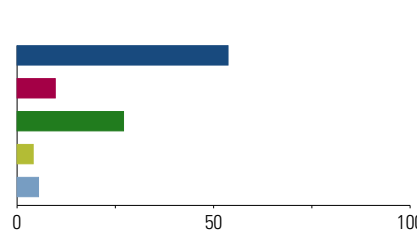
Morningstar Style Box™



## Style Breakdown

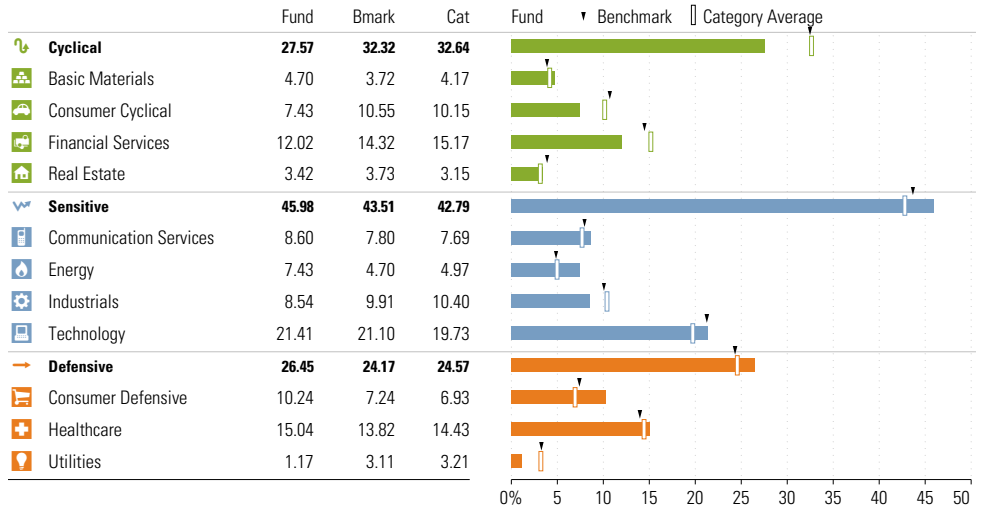


## Asset Allocation as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	53.67	45.60
Non-US Stocks	9.71	10.41
Bonds	27.08	34.10
Cash	4.09	5.87
Other	5.45	4.02
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2022



## Top 10 Holdings as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Capital Group Central Cash Fund	—	6.05	6.05	—	—
Cap Grp Cent Fd Ser Ii	—	4.86	10.91	—	—
Microsoft Corp	—	4.14	15.05	-23.27	Technology
Broadcom Inc	—	2.93	17.98	-25.76	Technology
UnitedHealth Group Inc	—	2.49	20.46	2.91	Healthcare
* Cash And Other Assets Less Liabilities	—	2.09	22.56	—	—
Philip Morris International Inc	—	1.75	24.31	6.57	Consumer Defensive
Taiwan Semiconductor Manufacturing Co Ltd ADR	—	1.37	25.68	-31.42	Technology
Comcast Corp Class A	—	1.33	27.01	-21.00	Communication Svc
The Home Depot Inc	—	1.22	28.23	-33.00	Consumer Cyclical

**Total Holdings 1859**

⊕ Increase ⊖ Decrease \* New to Portfolio

# American Funds Capital World Gr&Inc R6 RWIGX

**Morningstar Category**  
Global Large-Stock Blend

**Morningstar Index**  
MSCI ACWI NR USD

## Portfolio Manager(s)

Sung Lee since 02-2006  
Alfonso Barroso since 02-2007  
Michael Cohen since 11-2014  
Lara Pellini since 02-2019  
Jin Lee since 02-2019  
Leo Hee since 10-2019  
Jeremy Burge since 01-2020  
Renaud Samyn since 02-2020

## Quantitative Screens

✔ **Performance:** The fund has finished in the Global Large-Stock 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 16.42 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 90.91 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.42 is 56.7% lower than the Global Large-Stock Blend category average.

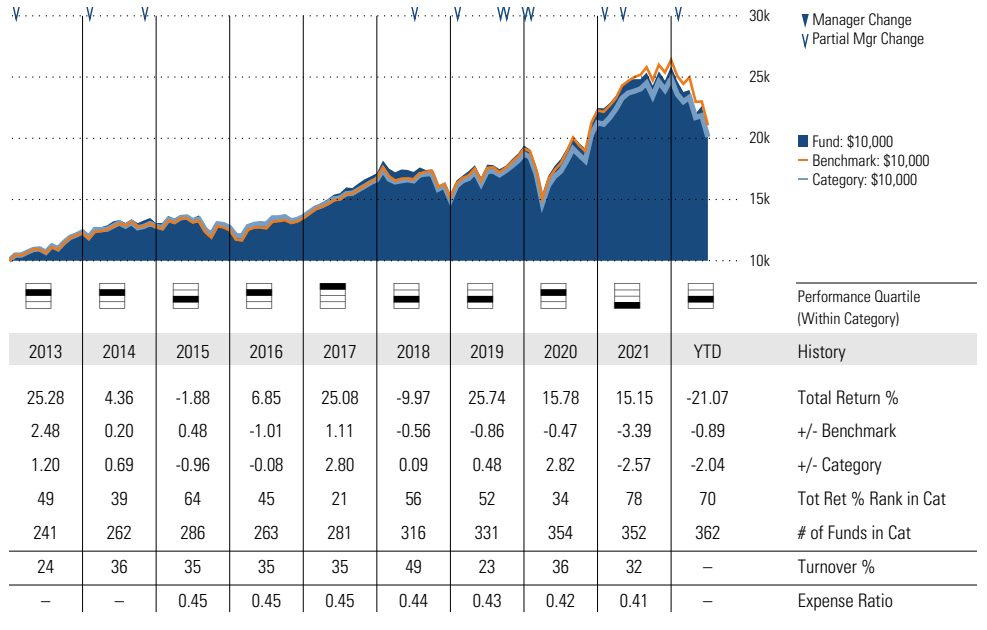
## Morningstar Investment Management LLC Analysis

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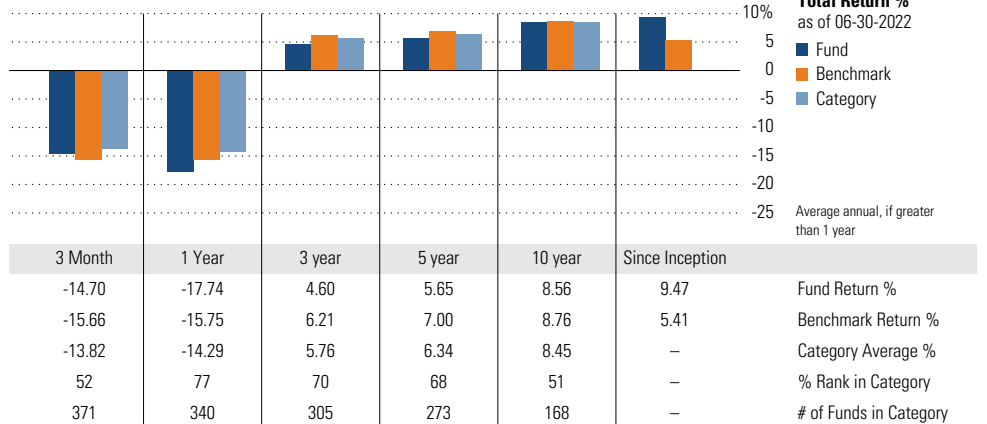
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	05-31-2022
ESG Commitment	1-Low	05-18-2022
Carbon Risk Score	Low Risk	03-31-2022

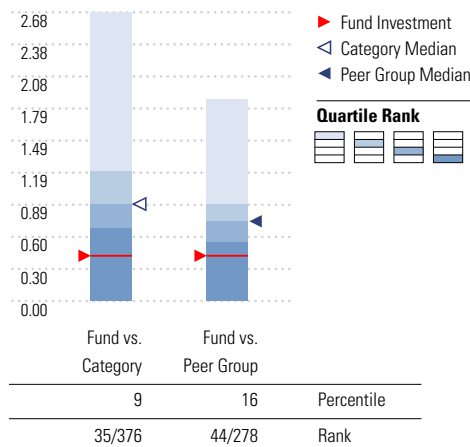
## Growth of \$10,000



## 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	-1.34	-	-0.06
Beta	0.96	-	0.96
R-Squared	97.81	-	93.07
Standard Deviation	17.58	18.02	17.94
Sharpe Ratio	0.31	0.39	0.37
Tracking Error	2.68	-	4.68
Information Ratio	-0.60	-	-0.10
Up Capture Ratio	94.65	-	96.26
Down Capture Ratio	100.40	-	97.08

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	16.13	15.31	16.04
Price/Book Ratio	3.01	2.37	2.51
Geom Avg Mkt Cap \$B	108.76	90.41	71.23
ROE	27.00	26.16	26.22

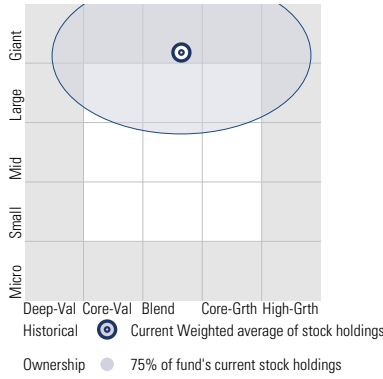
# American Funds Capital World Gr&Inc R6 RWIGX

**Morningstar Category**  
Global Large-Stock Blend

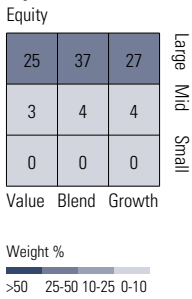
**Morningstar Index**  
MSCI ACWI NR USD

## Style Analysis as of 06-30-2022

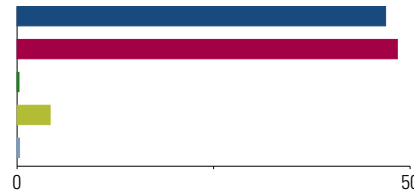
Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	46.88	56.73
Non-US Stocks	48.37	39.49
Bonds	0.24	1.03
Cash	4.20	1.55
Other	0.31	1.19
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2022

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Cyclical</b>	<b>34.55</b>	<b>33.79</b>	<b>32.24</b>			
Basic Materials	7.18	4.60	5.37			
Consumer Cyclical	9.59	10.65	10.46			
Financial Services	16.03	15.68	13.92			
Real Estate	1.75	2.86	2.49			
<b>Sensitive</b>	<b>42.48</b>	<b>42.18</b>	<b>43.17</b>			
Communication Services	6.61	8.15	7.04			
Energy	5.31	5.01	4.59			
Industrials	10.07	9.51	14.05			
Technology	20.49	19.51	17.49			
<b>Defensive</b>	<b>22.96</b>	<b>24.01</b>	<b>24.59</b>			
Consumer Defensive	8.22	7.81	7.82			
Healthcare	12.05	13.08	12.57			
Utilities	2.69	3.12	4.20			

## World Regions % Equity 06-30-2022



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	18.14	13.85	Americas	57.39	62.99	Greater Europe	24.46	23.16	Developed Markets	90.31
Japan	5.06	5.88	North America	53.48	62.28	United Kingdom	5.97	6.38	Emerging Markets	9.69
Australasia	1.75	1.25	Central/Latin	3.91	0.71	W euro-ex UK	18.44	16.34	Not Available	0.00
Asia-4 Tigers	5.60	3.60				Emrgng Europe	0.00	0.07		
Asia-ex 4 Tigers	5.73	3.12				Africa	0.05	0.37		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 06-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Capital Group Central Cash Fund	4.04	4.04	—	—
⊖ Microsoft Corp	3.73	7.77	-23.27	Technology
⊖ Broadcom Inc	3.42	11.19	-25.76	Technology
⊕ Taiwan Semiconductor Manufacturing Co Ltd	3.14	14.33	-21.71	Technology
⊕ Alphabet Inc Class C	1.70	16.04	-24.40	Communication Svc
⊕ UnitedHealth Group Inc	1.69	17.72	2.91	Healthcare
⊕ Vale SA	1.64	19.36	2.97	Basic Materials
⊖ Abbott Laboratories	1.53	20.90	-22.13	Healthcare
⊖ ASML Holding NV	1.47	22.37	-34.97	Technology
⊖ Canadian Natural Resources Ltd	1.43	23.80	32.22	Energy

**Total Holdings 353**

⊕ 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  
 Nicholas Grace since 01-2008  
 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 23.05 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 51.28% lower than the Diversified Emerging Mkts category average.

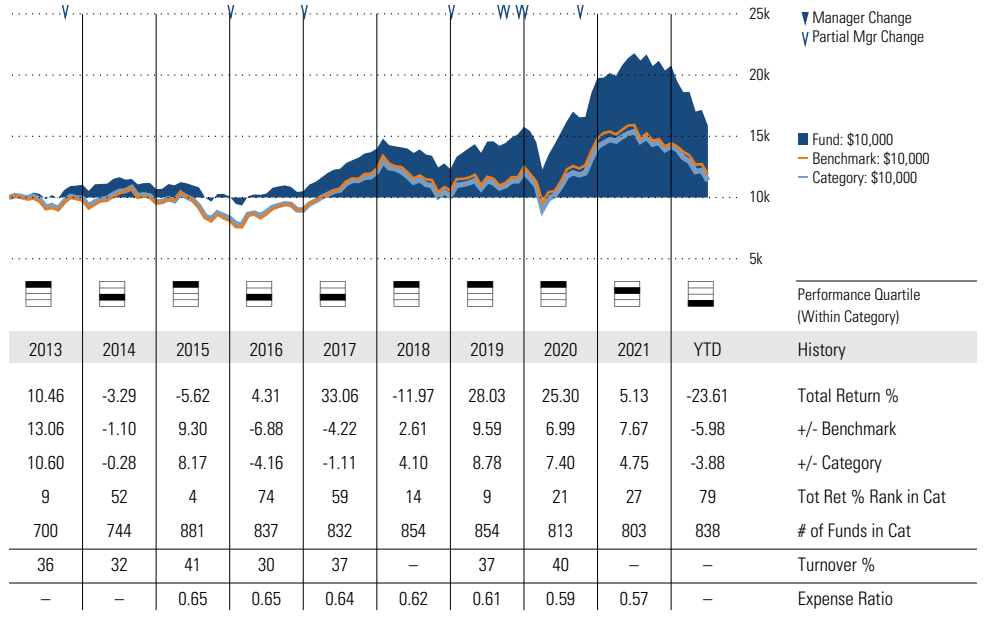
## Morningstar Investment Management LLC Analysis

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.

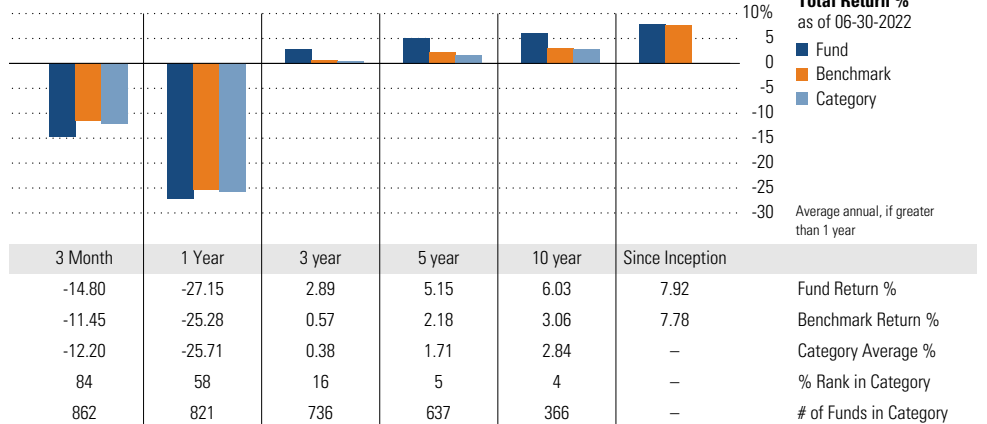
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Medium Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

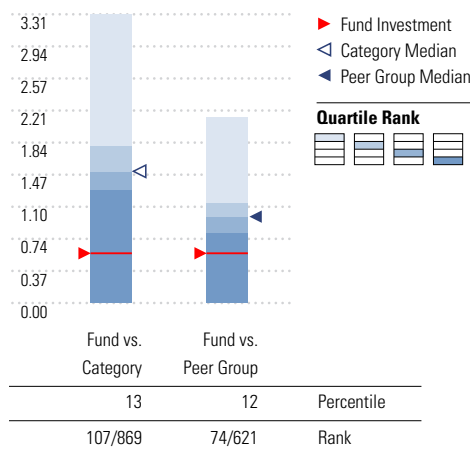
## Growth of \$10,000



## 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	2.51	-	-0.25
Beta	0.95	-	1.02
R-Squared	84.62	-	88.82
Standard Deviation	18.74	18.17	19.81
Sharpe Ratio	0.21	0.09	0.07
Tracking Error	7.41	-	6.52
Information Ratio	0.31	-	-0.11
Up Capture Ratio	105.41	-	102.33
Down Capture Ratio	95.93	-	104.50

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	18.69	10.92	11.51
Price/Book Ratio	3.01	1.62	1.83
Geom Avg Mkt Cap \$B	62.39	36.43	43.34
ROE	22.28	16.90	18.11

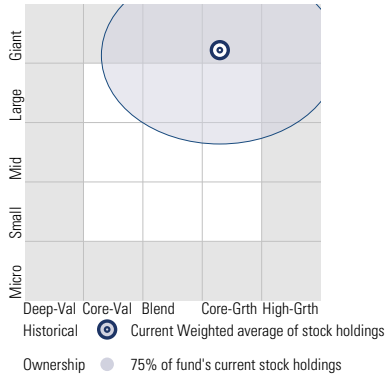
# American Funds New World R6 RNWGX

**Morningstar Category**  
Diversified Emerging Mkts

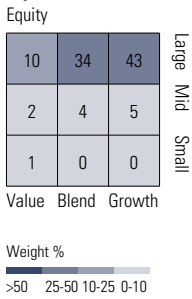
**Morningstar Index**  
MSCI EM NR USD

## Style Analysis as of 06-30-2022

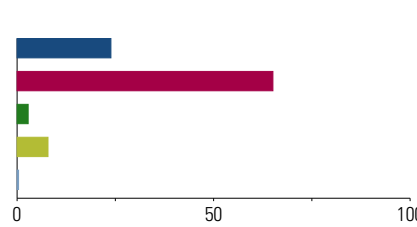
Morningstar Style Box™



## Style Breakdown

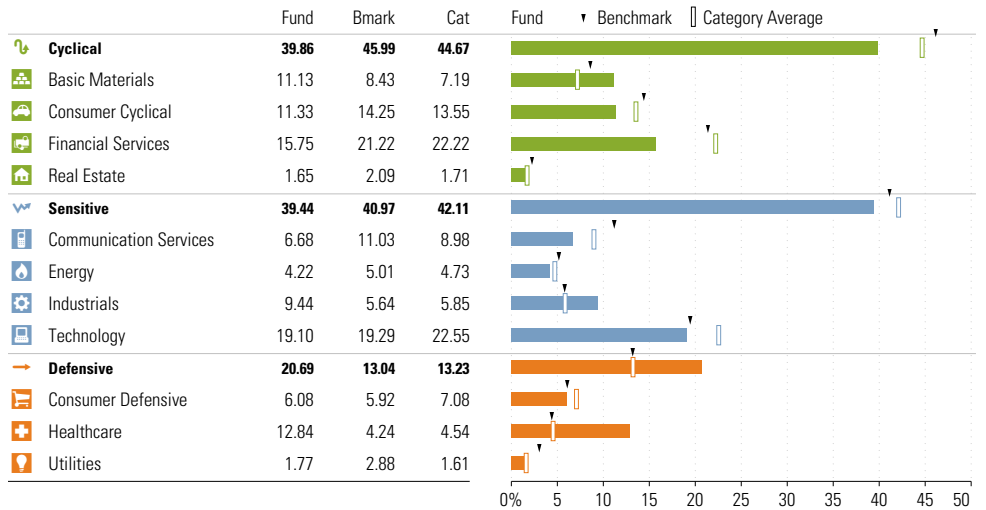


## Asset Allocation as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	23.87	2.77
Non-US Stocks	65.09	94.94
Bonds	2.81	0.03
Cash	7.86	2.10
Other	0.37	0.15
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2022



## World Regions % Equity 06-30-2022



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	37.56	75.50	Americas	40.60	14.22	Greater Europe	21.85	10.27	Developed Markets	60.74
Japan	2.48	0.10	North America	29.73	2.68	United Kingdom	3.00	0.83	Emerging Markets	39.26
Australasia	0.99	0.06	Central/Latin	10.87	11.54	W euro-ex UK	16.71	1.87	Not Available	0.00
Asia-4 Tigers	7.30	27.48				Emrgng Europe	0.19	1.35		
Asia-ex 4 Tigers	26.79	47.86				Africa	1.95	6.22		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 06-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Capital Group Central Cash Fund	7.56	7.56	—	—
⊕ Microsoft Corp	3.27	10.84	-23.27	Technology
⊕ Reliance Industries Ltd	2.46	13.29	9.61	Energy
⊕ Taiwan Semiconductor Manufacturing Co Ltd	2.24	15.53	-21.71	Technology
⊕ First Quantum Minerals Ltd	1.88	17.41	-19.31	Basic Materials
⊖ Kotak Mahindra Bank Ltd	1.82	19.24	-7.52	Financial Services
⊕ Kweichow Moutai Co Ltd Class A	1.42	20.66	0.71	Consumer Defensive
⊖ Alphabet Inc Class C	1.34	21.99	-24.40	Communication Svc
⊕ Vale SA ADR	1.19	23.18	9.52	Basic Materials
⊖ Thermo Fisher Scientific Inc	1.17	24.36	-18.49	Healthcare

**Total Holdings 568**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# American Funds Washington Mutual R6 RWMGX

**Morningstar Category**  
Large Blend

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

## Portfolio Manager(s)

Alan Berro since 07-1997  
 Jeffrey Lager since 07-2004  
 Alan Wilson since 07-2013  
 Diana Wagner since 06-2014  
 Jin Lee since 07-2014  
 Eric Stern since 11-2014  
 Irfan Furniturewala since 06-2015  
 Emme Kozloff since 07-2016  
 Mark Casey since 07-2016

## Quantitative Screens

✔ **Performance:** The fund has finished in the Large Blend 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 25.01 years.

✘ **Style:** The fund has landed in its primary style box — Large Blend — 36.36 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.26 is 67.5% lower than the Large Blend category average.

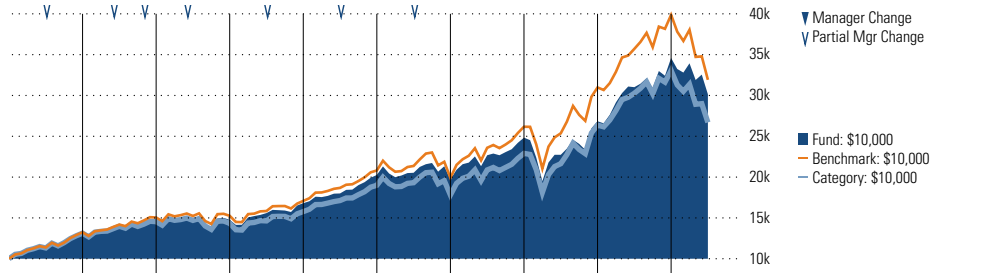
## Morningstar Investment Management LLC Analysis

This fund fails our style consistency screen as the portfolio has slightly drifted from the large-blend portion of the Morningstar style box to the large-value portion however, the underlying investment strategy remains consistent so we are not concerned with this style failure.

## ESG Metrics

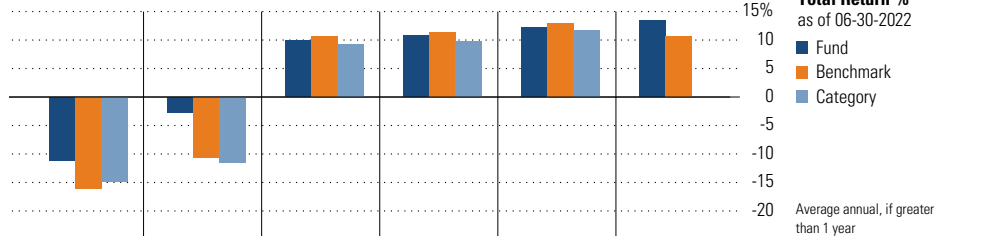
Metric	Rating	Updated
Sustainability Rating	2	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

## Growth of \$10,000



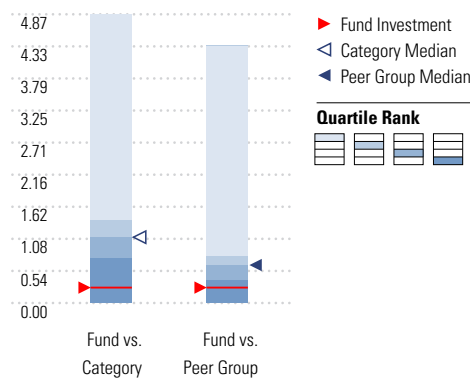
	2013	2014	2015	2016	2017	2018	2019	2020	2021	YTD	History
Performance Quartile (Within Category)	III	III	III	III	III	III	III	III	III	III	History
Total Return %	32.34	11.53	0.12	13.73	20.54	-2.66	25.93	8.08	28.90	-12.86	Total Return %
+/- Benchmark	-0.05	-2.16	-1.26	1.77	-1.29	1.72	-5.56	-10.32	0.19	7.10	+/- Benchmark
+/- Category	0.84	0.57	1.19	3.36	0.10	3.61	-2.85	-7.75	2.83	6.44	+/- Category
Tot Ret % Rank in Cat	39	34	8	58	10	12	82	90	21	7	Tot Ret % Rank in Cat
# of Funds in Cat	1,513	1,427	1,490	1,393	1,366	1,362	1,369	1,356	1,367	1,403	# of Funds in Cat
Turnover %	22	19	24	30	21	25	25	30	24	19	Turnover %
Expense Ratio	-	-	0.30	0.30	0.30	0.29	0.29	0.27	0.27	0.26	Expense Ratio

## Trailing Performance



	3 Month	1 Year	3 year	5 year	10 year	Since Inception	Total Return % as of 06-30-2022
Fund Return %	-11.18	-2.80	9.95	10.87	12.23	13.45	Fund
Benchmark Return %	-16.10	-10.62	10.60	11.31	12.96	10.67	Benchmark
Category Average %	-14.88	-11.58	9.14	9.77	11.63	-	Category
% Rank in Category	12	4	42	34	45	-	% Rank in Category
# of Funds in Category	1,422	1,369	1,236	1,119	819	-	# of Funds in Category

## Net Expense



	Fund vs. Category	Fund vs. Peer Group	Percentile Rank
Net Expense Ratio	0.26	0.26	229/1443
Category Median	1.62	1.08	120/861
Peer Group Median	1.08	1.08	120/861

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	-	-1.37
Beta	0.91	-	0.96
R-Squared	93.77	-	94.93
Standard Deviation	17.42	18.64	18.43
Sharpe Ratio	0.60	0.60	0.50
Tracking Error	4.69	-	3.92
Information Ratio	-0.14	-	-1.04
Up Capture Ratio	90.83	-	93.13
Down Capture Ratio	89.69	-	98.50

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	18.21	18.44	18.70
Price/Book Ratio	3.30	3.53	4.24
Geom Avg Mkt Cap \$B	146.24	172.47	216.36
ROE	28.96	32.85	36.39

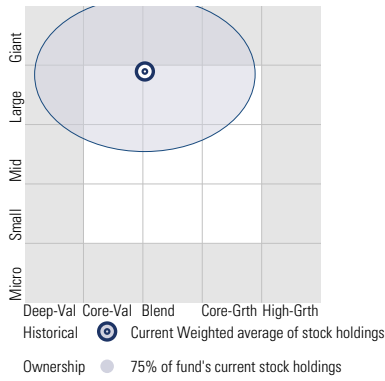
# American Funds Washington Mutual R6 RWMGX

**Morningstar Category**  
Large Blend

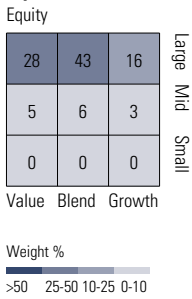
**Morningstar Index**  
S&P 500 TR USD

## Style Analysis as of 06-30-2022

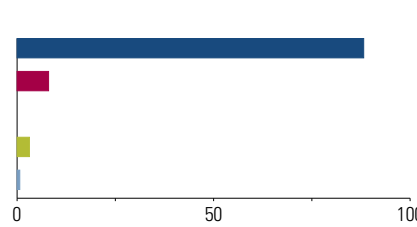
Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	88.19	94.94
Non-US Stocks	8.01	2.84
Bonds	0.00	0.54
Cash	3.13	0.58
Other	0.68	1.10
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2022

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Cyclical</b>	<b>28.45</b>	<b>28.47</b>	<b>29.31</b>			
Basic Materials	3.30	2.28	2.77			
Consumer Cyclical	5.35	10.31	10.12			
Financial Services	17.72	12.96	13.88			
Real Estate	2.08	2.92	2.54			
<b>Sensitive</b>	<b>42.75</b>	<b>45.78</b>	<b>45.68</b>			
Communication Services	7.29	8.87	8.47			
Energy	6.22	4.35	3.82			
Industrials	10.60	8.31	9.95			
Technology	18.64	24.25	23.44			
<b>Defensive</b>	<b>28.80</b>	<b>25.74</b>	<b>25.01</b>			
Consumer Defensive	6.30	7.41	7.16			
Healthcare	19.53	15.23	15.20			
Utilities	2.97	3.10	2.65			

## Top 15 Holdings as of 06-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Broadcom Inc	5.97	5.97	-25.76	Technology
⊖ Microsoft Corp	5.74	11.71	-23.27	Technology
⊖ UnitedHealth Group Inc	4.00	15.71	2.91	Healthcare
⊕ Comcast Corp Class A	3.34	19.05	-21.00	Communication Svc
⊕ Capital Group Central Cash Fund	3.14	22.19	-	-
⊕ Pfizer Inc	2.27	24.46	-9.86	Healthcare
⊕ Marsh & McLennan Companies Inc	2.17	26.64	-10.07	Financial Services
⊕ CME Group Inc Class A	2.10	28.74	-9.52	Financial Services
CVS Health Corp	2.05	30.79	-9.11	Healthcare
⊖ Johnson & Johnson	1.70	32.50	5.04	Healthcare
⊕ The Home Depot Inc	1.65	34.14	-33.00	Consumer Cyclical
⊕ Intel Corp	1.52	35.67	-25.94	Technology
⊖ BlackRock Inc	1.41	37.08	-32.41	Financial Services
⊕ Lockheed Martin Corp	1.38	38.46	22.55	Industrials
Chubb Ltd	1.26	39.72	2.53	Financial Services

**Total Holdings 187**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# BlackRock High Yield Bond Instl BHYX

**Morningstar Category**  
High Yield Bond

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

## Portfolio Manager(s)

James Keenan since 12-2007  
Derek Schoenhofen since 05-2009  
Mitchell Garfin since 05-2009  
David Delbos since 03-2014

## Quantitative Screens

✔ **Performance:** The fund has finished in the High Yield 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 14.51 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.58 is 36.26% lower than the High Yield Bond category average.

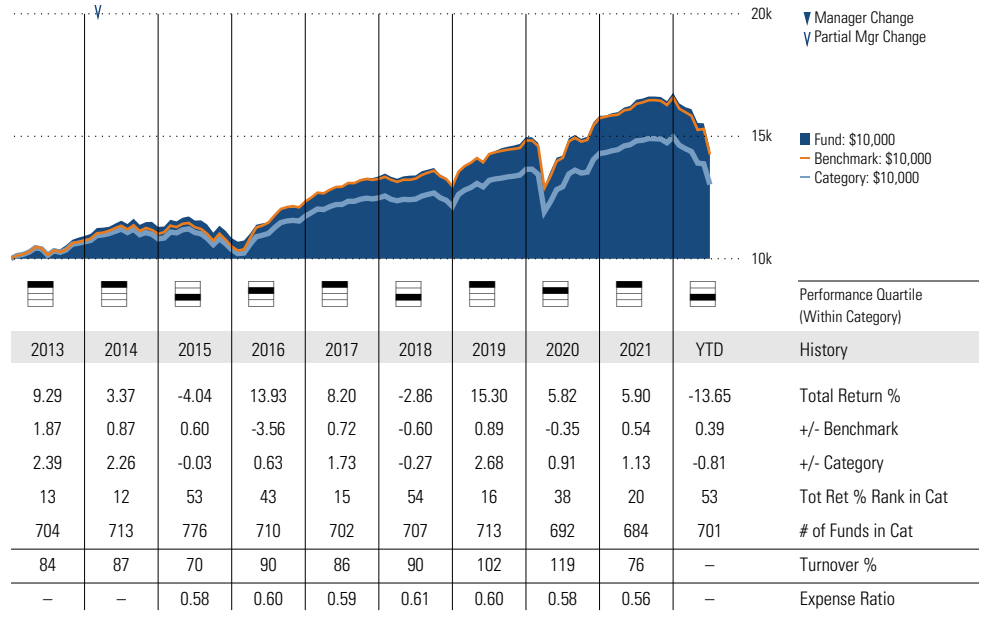
## Morningstar Investment Management LLC Analysis

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.

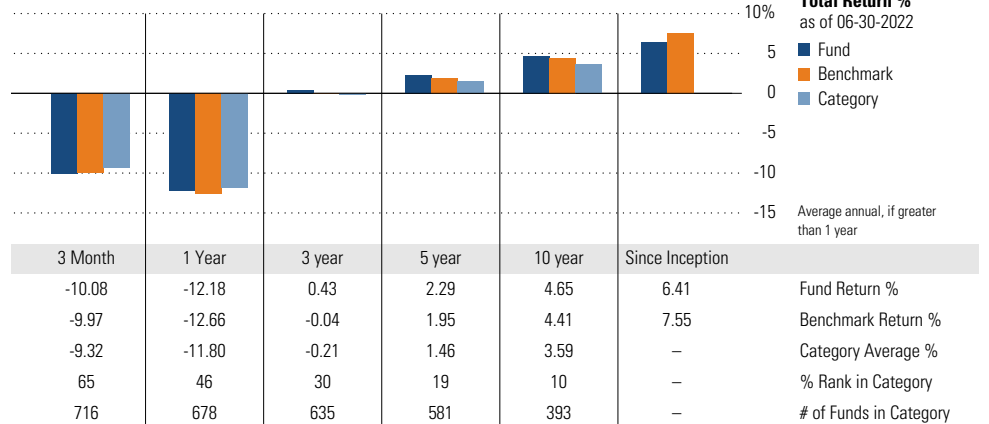
## ESG Metrics

Metric	Rating	Updated
ESG Commitment	2-Basic	02-15-2022

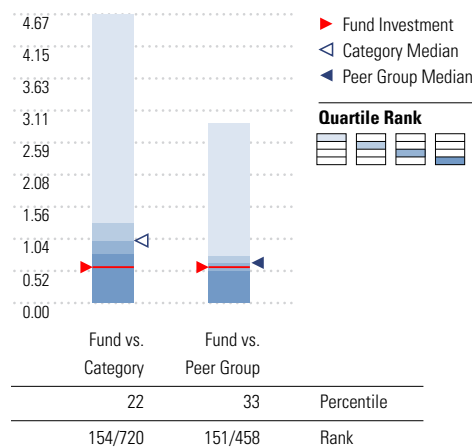
## Growth of \$10,000



## 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	0.48	-	-0.19
Beta	1.01	-	0.96
R-Squared	99.25	-	95.51
Standard Deviation	10.37	10.21	10.02
Sharpe Ratio	0.04	-0.01	-0.02
Tracking Error	0.90	-	2.34
Information Ratio	0.52	-	-0.15
Up Capture Ratio	102.75	-	92.68
Down Capture Ratio	98.30	-	94.81

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	3.81	-	3.70
Avg Eff Maturity	7.14	-	5.56

# BlackRock High Yield Bond Instl BHYIX

**Morningstar Category**  
High Yield Bond

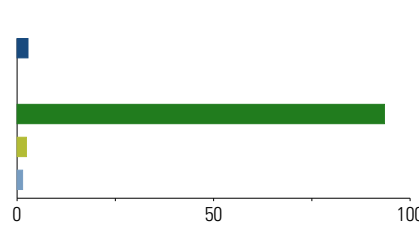
**Morningstar Index**  
ICE BofA US High Yield TR USD

## Style Analysis as of 06-30-2022

### Style Breakdown



## Asset Allocation as of 06-30-2022

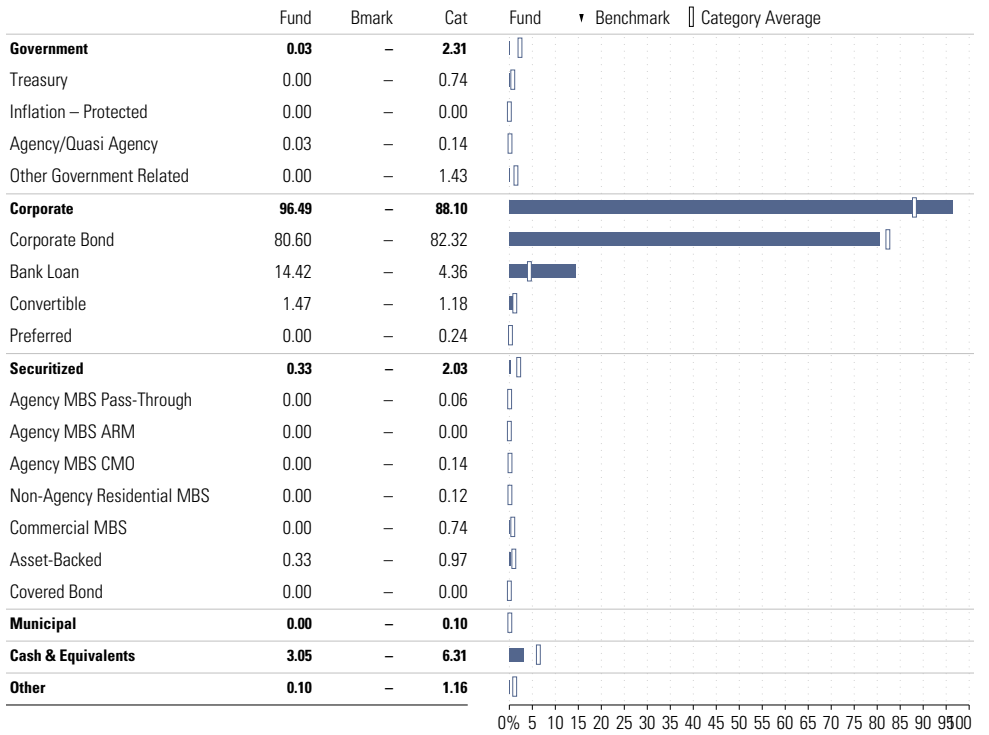


Asset Class	Net %	Cat%
US Stocks	2.77	0.86
Non-US Stocks	0.00	0.03
Bonds	93.46	93.02
Cash	2.37	4.31
Other	1.40	1.78
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

### Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	2.40	-	1.67
AA	0.00	-	0.12
A	0.16	-	0.29
BBB	1.63	-	2.72
BB	35.33	-	31.18
B	41.99	-	33.90
Below B	15.84	-	27.35
Not Rated	2.65	-	2.78

## Sector Weighting as of 06-30-2022



## Top 10 Holdings as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊖ BlackRock Liquidity T-Fund Instl	-	2.61	2.61	-
TransDigm, Inc. 6.25%	03-2026	1.34	3.95	-
⊕ iShares iBoxx \$ High Yield Corp Bd ETF	-	0.78	4.73	-
⊕ Clarios Global Lp 8.5%	05-2027	0.73	5.47	-
⊕ Ascent Resources Utica Holdings LI TI	11-2025	0.69	6.15	-
⊕ Altice France Holdings S A 10.5%	05-2027	0.68	6.83	-
⊖ Brand Energy & Infrastructure Serv TI	06-2024	0.56	7.40	-
⊕ Alliant Holdings Intermediate LLC/Alliant Holdings Co-Issuer Inc 6.75%	10-2027	0.53	7.93	-
Athenahealth Group Inc TI-B	02-2029	0.52	8.45	-
Verscend Escrow Corp 9.75%	08-2026	0.52	8.97	-

**Total Holdings 1625**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# Invesco Balanced-Risk Commodity Strat R6 IBRFX

**Morningstar Category**  
Commodities Broad Basket

**Morningstar Index**  
Bloomberg Commodity TR USD

## Portfolio Manager(s)

Chris Devine since 11-2010  
Christian Ulrich since 11-2010  
Mark Ahnrud since 11-2010  
Scott Hixon since 11-2010  
Scott Wolle since 11-2010

## Quantitative Screens

✔ **Performance:** The fund has finished in the Commodities Broad Basket category's top three quartiles in 6 of the 9 years it's been in existence.

✔ **Management:** The fund's management has been in place for 11.59 years.

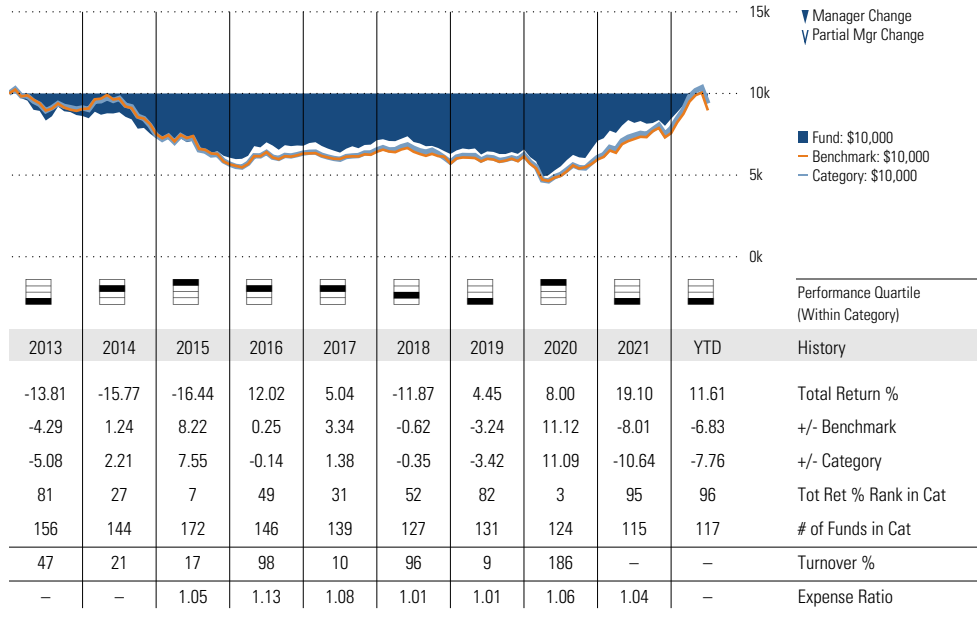
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 1.11 is 5.71% higher than the Commodities Broad Basket category average.

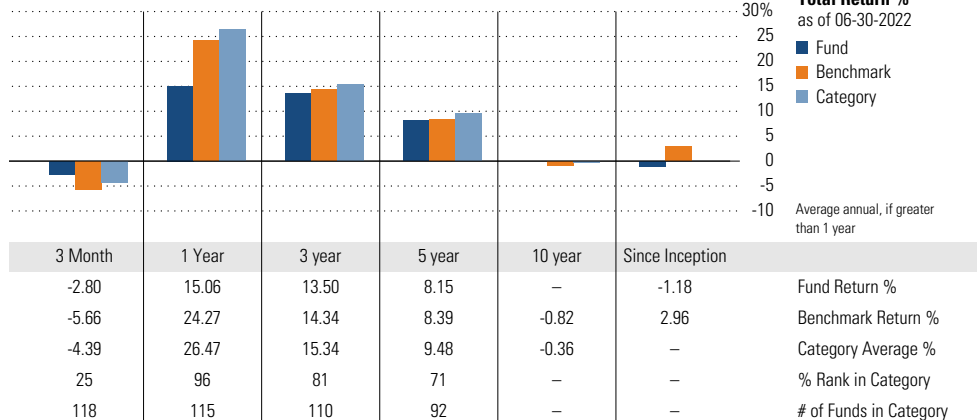
## Morningstar Investment Management LLC Analysis

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.

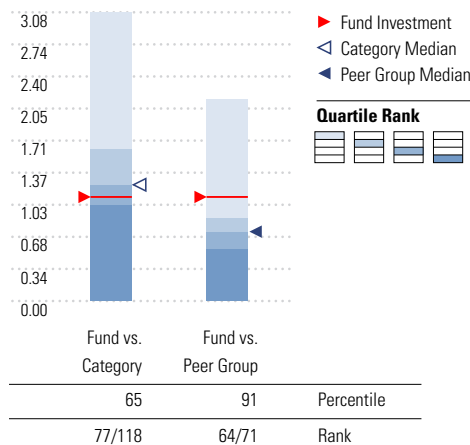
## Growth of \$10,000



## 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	1.20	-	0.69
Beta	0.86	-	1.04
R-Squared	80.50	-	86.47
Standard Deviation	17.35	18.00	20.37
Sharpe Ratio	0.78	0.80	0.79
Tracking Error	8.04	-	7.44
Information Ratio	-0.10	-	0.20
Up Capture Ratio	88.43	-	104.68
Down Capture Ratio	84.92	-	103.93

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	-	-	-
Price/Book Ratio	-	-	1.66
Geom Avg Mkt Cap \$B	-	-	30.45
ROE	-	-	18.03

# Invesco Balanced-Risk Commodity Strat R6 IBRFX

**Morningstar Category**  
Commodities Broad Basket

**Morningstar Index**  
Bloomberg Commodity TR USD

## Style Analysis as of 06-30-2022

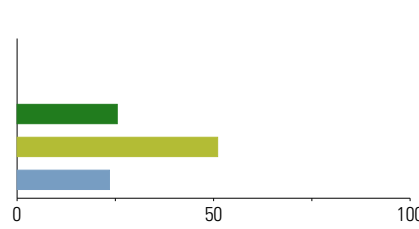
Morningstar Style Box™



## Style Breakdown

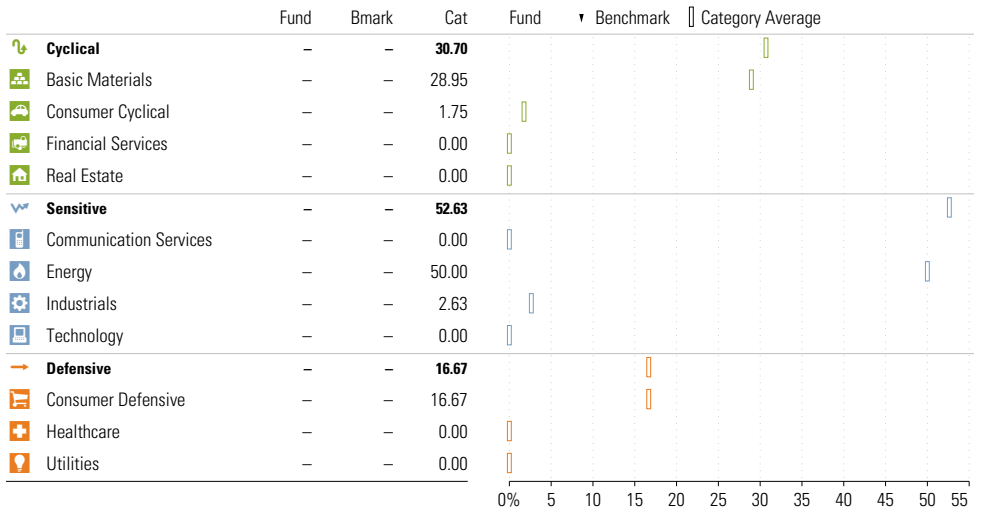


## Asset Allocation as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	0.00	1.83
Non-US Stocks	0.00	0.90
Bonds	25.48	44.97
Cash	51.03	34.19
Other	23.50	18.11
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2022



## Top 15 Holdings as of 06-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Invesco Cayman Commodity Fund Iii Hf	23.50	23.50	-	-
⊖ Invesco Shrt-Trm Inv Treasury Instl	17.32	40.82	-	-
⊖ Invesco Shrt-Trm Inv Gov&Agcy Instl	15.16	55.98	-	-
⊖ Invesco Shrt-Trm Inv Liq Assets Instl	10.75	66.73	-	-
⊕ United States Treasury Notes 0.98785%	6.56	73.30	-	-
⊕ Usd Currency Cash	6.48	79.78	-	-
United States Treasury Notes 1.11785%	5.75	85.54	-	-
United States Treasury Notes 1.04785%	5.73	91.27	-	-
United States Treasury Notes 0.97587%	5.72	96.98	-	-
United States Treasury Bills 0%	4.28	101.26	-	-
United States Treasury Bills 0%	4.27	105.54	-	-
Citigroup Global Markets Holdings Inc. 0.01%	3.12	108.66	-	-
Societe Generale S.A. 0.1%	1.77	110.43	-	-
Barclays Bank plc 0.1%	1.29	111.72	-	-
Barclays Bank plc 0.01%	1.24	112.97	-	-

## Total Holdings 15

⊕ 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 7.87 years.

✗ **Style:** The fund has landed in its primary style box — Large Blend — 51.52 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.44 is 45% lower than the Large Blend category average.

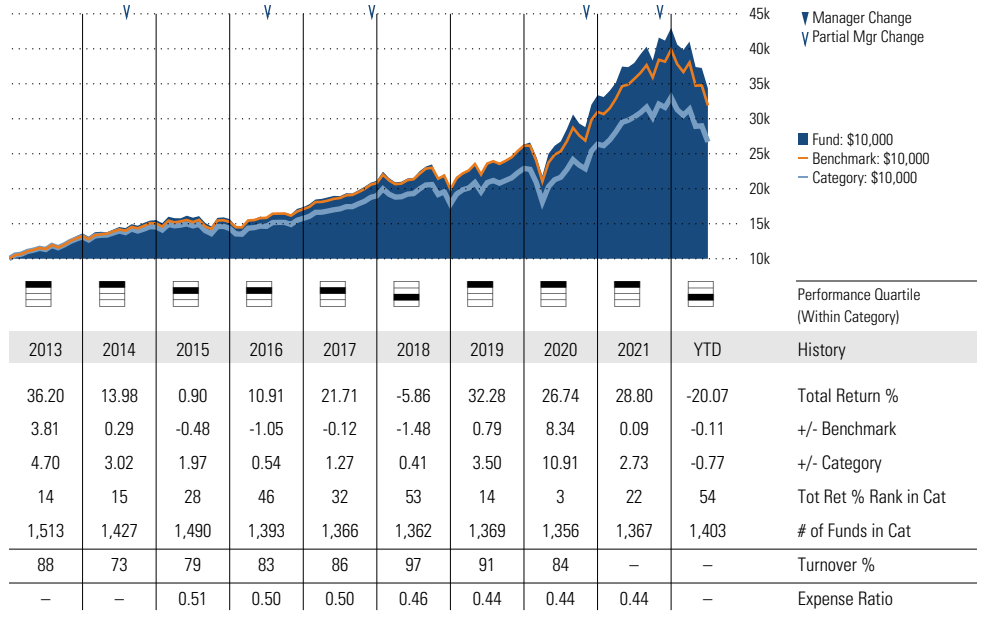
## Morningstar Investment Management LLC Analysis

This fund fails our style consistency screen owing to frequent drift into the growth column of our style box. We're not concerned about this matter, as the drift has been slight, and the portfolio still represents a core strategy.

## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	2-Basic	03-11-2022

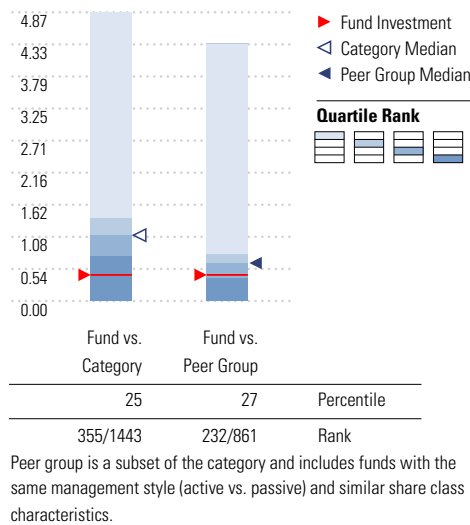
## Growth of \$10,000



## Trailing Performance



## Net Expense



## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	2.30	-	-1.37
Beta	1.01	-	0.96
R-Squared	98.38	-	94.93
Standard Deviation	19.02	18.64	18.43
Sharpe Ratio	0.72	0.60	0.50
Tracking Error	2.43	-	3.92
Information Ratio	1.09	-	-1.04
Up Capture Ratio	103.03	-	93.13
Down Capture Ratio	93.20	-	98.50

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	22.98	18.44	18.70
Price/Book Ratio	4.43	3.53	4.24
Geom Avg Mkt Cap \$B	182.19	172.47	216.36
ROE	33.12	32.85	36.39

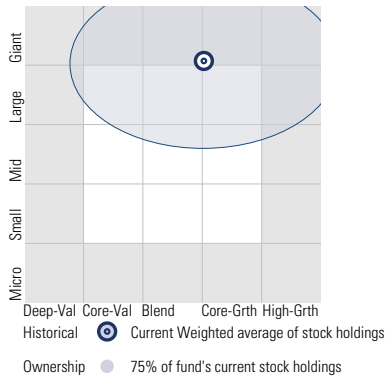
# JPMorgan US Equity R6 JUEMX

**Morningstar Category**  
Large Blend

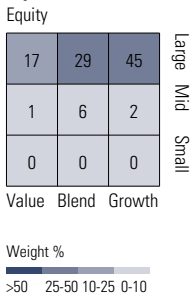
**Morningstar Index**  
S&P 500 TR USD

## Style Analysis as of 06-30-2022

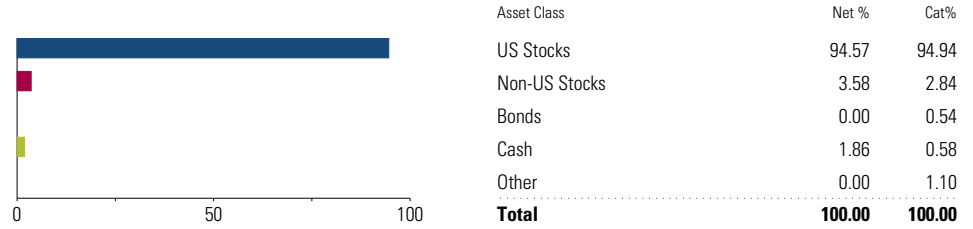
Morningstar Style Box™



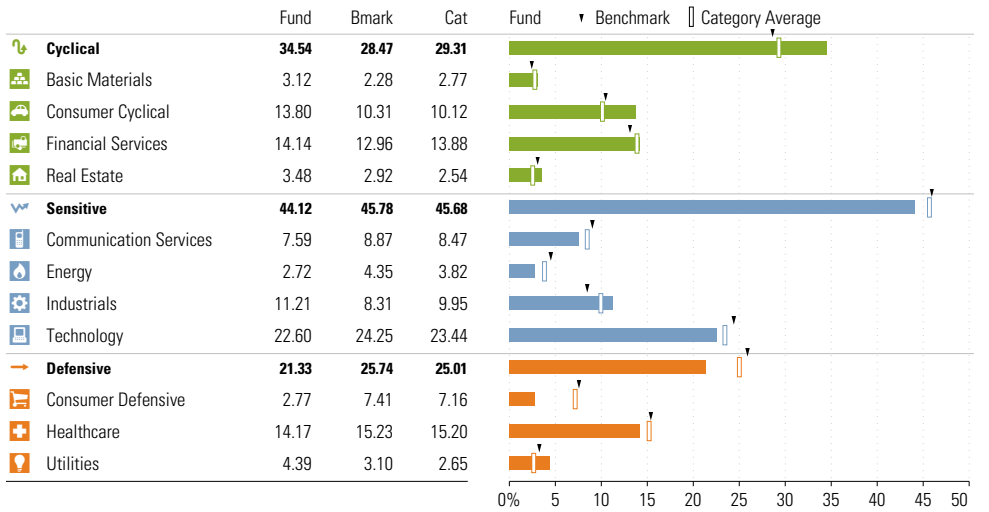
## Style Breakdown



## Asset Allocation as of 06-30-2022



## Sector Weighting as of 06-30-2022



## Top 15 Holdings as of 06-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Microsoft Corp	7.67	7.67	-23.27	Technology
Alphabet Inc Class A	6.25	13.92	-24.78	Communication Svc
Apple Inc	5.07	18.99	-22.75	Technology
Amazon.com Inc	3.93	22.92	-36.29	Consumer Cyclical
Prologis Inc	3.42	26.34	-29.18	Real Estate
Eaton Corp PLC	3.41	29.76	-26.16	Industrials
AbbVie Inc	3.35	33.11	15.47	Healthcare
NXP Semiconductors NV	3.26	36.37	-34.27	Technology
NextEra Energy Inc	2.99	39.37	-16.12	Utilities
Mastercard Inc Class A	2.99	42.36	-11.93	Financial Services
Bristol-Myers Squibb Co	2.60	44.96	26.09	Healthcare
McDonald's Corp	2.52	47.47	-6.88	Consumer Cyclical
Deere & Co	2.31	49.78	-12.03	Industrials
Norfolk Southern Corp	2.24	52.02	-22.82	Industrials
Regeneron Pharmaceuticals Inc	1.99	54.01	-6.40	Healthcare

**Total Holdings 51**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Metropolitan West Total Return Bd I MWTIX

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

## Portfolio Manager(s)

Laird Landmann since 03-1997  
 Stephen Kane since 03-1997  
 Bryan Whalen since 12-2004

## Quantitative Screens

✔ **Performance:** The fund has finished in the Intermediate Core-Plus 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 25.27 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.45 is 39.19% lower than the Intermediate Core-Plus Bond category average.

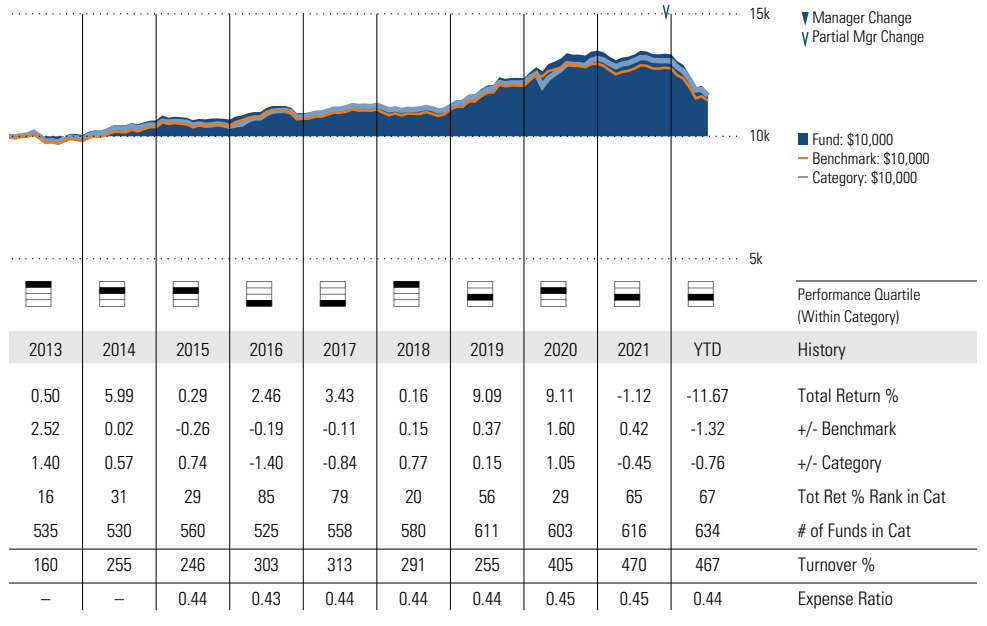
## Morningstar Investment Management LLC Analysis

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.

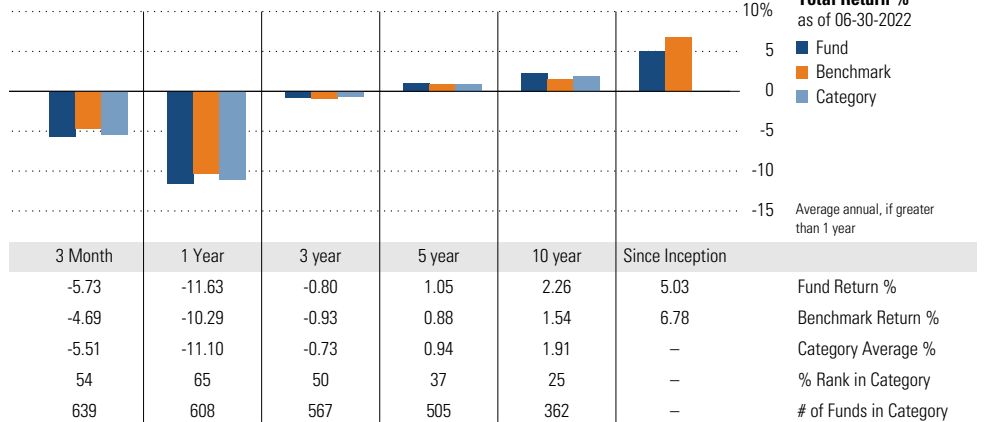
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022

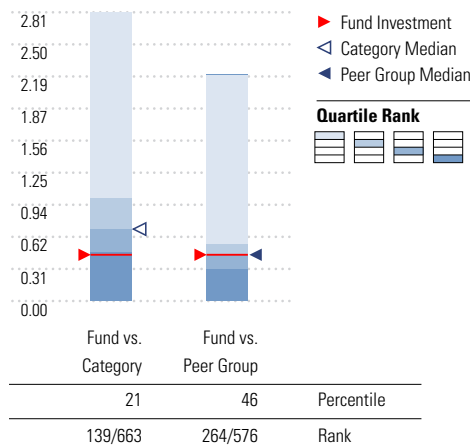
## Growth of \$10,000



## 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	0.21	-	0.28
Beta	1.07	-	1.03
R-Squared	97.43	-	72.05
Standard Deviation	4.94	4.56	5.66
Sharpe Ratio	-0.26	-0.31	-0.21
Tracking Error	0.85	-	3.03
Information Ratio	0.16	-	0.07
Up Capture Ratio	108.15	-	115.68
Down Capture Ratio	104.72	-	110.01

## Portfolio Metrics

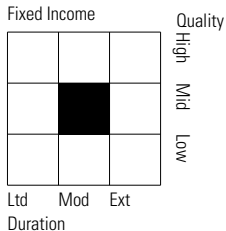
	Fund	Bmark	Cat
Avg Eff Duration	6.48	4.43	6.08
Avg Eff Maturity	8.98	-	8.93

# Metropolitan West Total Return Bd I MWTIX

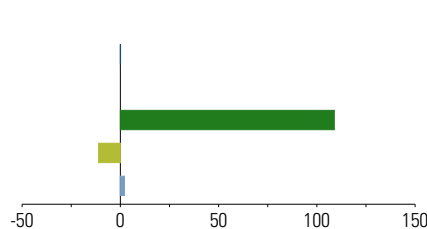
**Morningstar Category** Intermediate Core-Plus Bond  
**Morningstar Index** Bloomberg US Agg Bond TR USD

## Style Analysis as of 06-30-2022

### Style Breakdown



## Asset Allocation as of 06-30-2022

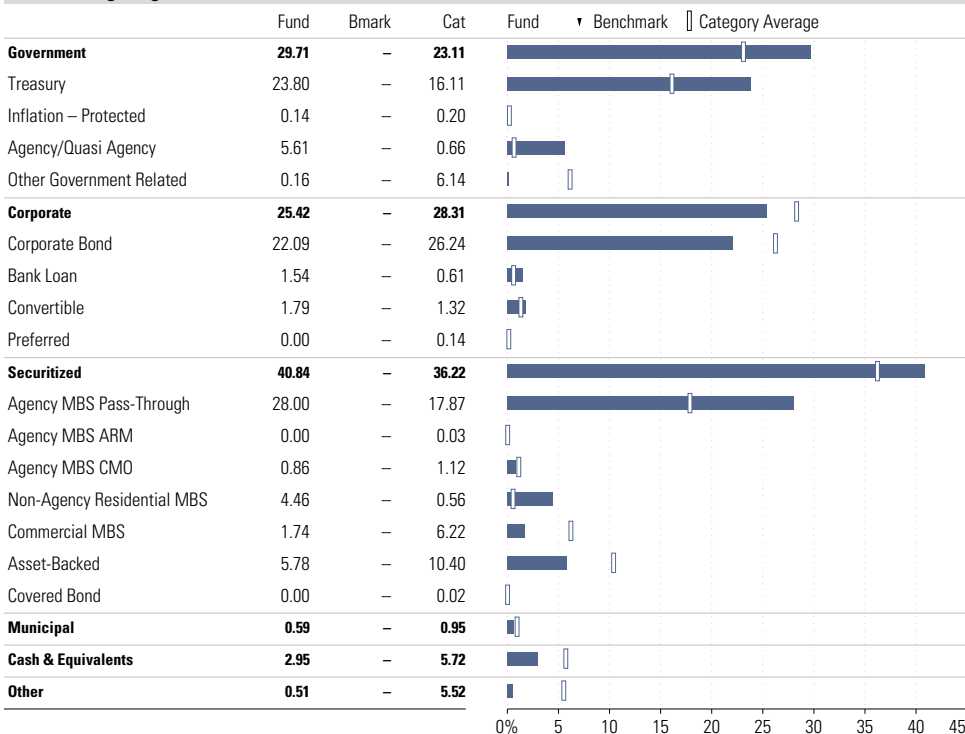


Asset Class	Net %	Cat%
US Stocks	0.11	0.03
Non-US Stocks	0.00	0.00
Bonds	108.87	99.27
Cash	-11.06	-1.06
Other	2.07	1.76
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	58.88	3.53	48.44
AA	5.27	74.59	5.50
A	13.02	10.82	11.96
BBB	15.45	8.32	20.55
BB	2.87	0.28	6.44
B	1.16	0.00	1.87
Below B	3.54	0.00	1.76
Not Rated	-0.19	2.46	3.49

## Sector Weighting as of 06-30-2022



## Top 10 Holdings as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
✳ Cash & Cash Equivalents	-	14.49	14.49	-
⊕ Federal National Mortgage Association 2.5%	05-2052	8.12	22.61	-
⊕ United States Treasury Notes 2.625%	04-2024	4.64	27.25	-
⊕ United States Treasury Notes 2.5%	03-2027	4.27	31.51	-
⊕ United States Treasury Notes 2.875%	04-2027	3.79	35.30	-
⊕ Federal National Mortgage Association 3%	05-2052	3.46	38.77	-
⊕ Federal National Mortgage Association 2%	06-2052	3.38	42.14	-
⊖ United States Treasury Notes 1.875%	02-2027	3.26	45.40	-
⊕ Federal National Mortgage Association 2%	05-2052	2.64	48.04	-
⊖ United States Treasury Bonds 2%	11-2041	2.43	50.47	-

**Total Holdings 1862**

⊕ Increase ⊖ Decrease ✳ New to Portfolio

# MFS Research International R4 MRSJX

**Morningstar Category**  
Foreign Large Blend

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

## Portfolio Manager(s)

Victoria Higley since 04-2016  
Camille Lee 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 6.17 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 85.29 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.76 is 18.28% lower than the Foreign Large Blend category average.

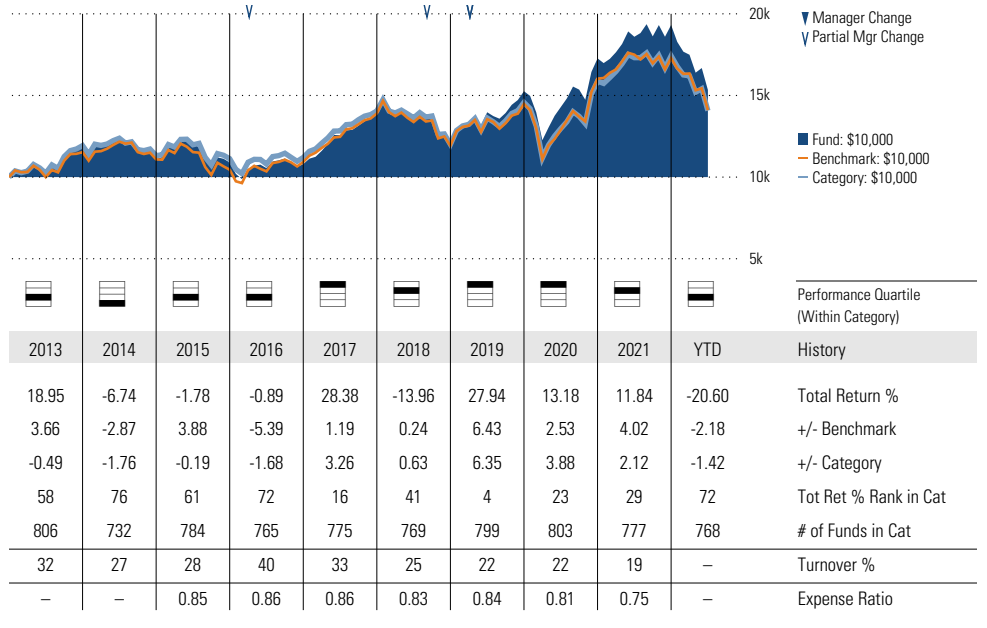
## Morningstar Investment Management LLC Analysis

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.

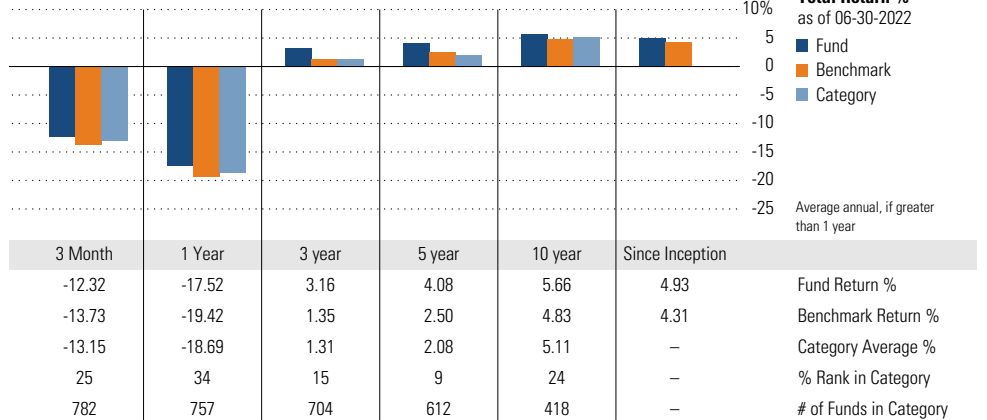
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	2-Basic	02-15-2022

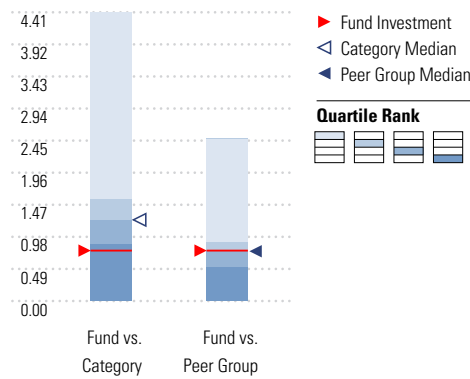
## Growth of \$10,000



## 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	1.85	-	0.29
Beta	0.91	-	1.00
R-Squared	93.74	-	93.77
Standard Deviation	16.46	17.47	18.09
Sharpe Ratio	0.23	0.13	0.14
Tracking Error	4.39	-	4.55
Information Ratio	0.41	-	0.06
Up Capture Ratio	100.50	-	101.51
Down Capture Ratio	92.76	-	100.74

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	17.10	12.10	11.95
Price/Book Ratio	2.17	1.59	1.62
Geom Avg Mkt Cap \$B	44.24	39.31	43.47
ROE	20.92	17.75	19.51

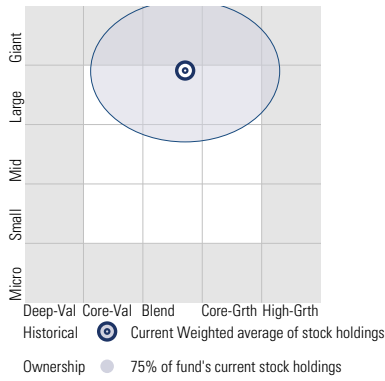
# MFS Research International R4 MRSJX

**Morningstar Category**  
Foreign Large Blend

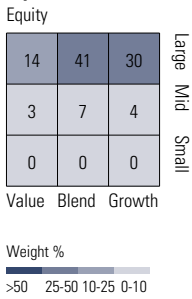
**Morningstar Index**  
MSCI ACWI Ex USA NR USD

## Style Analysis as of 06-30-2022

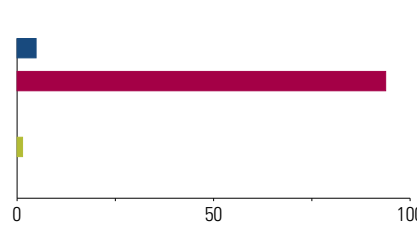
Morningstar Style Box™



## Style Breakdown

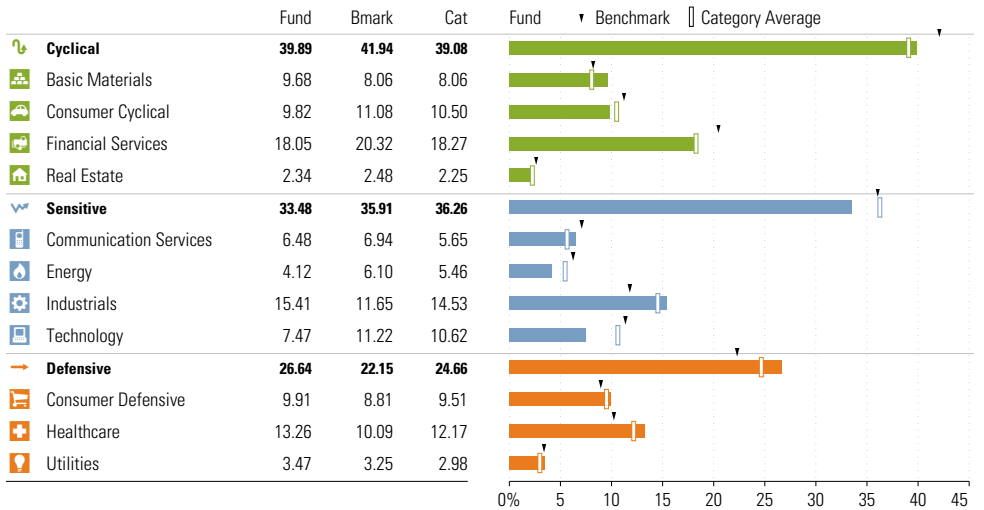


## Asset Allocation as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	4.83	3.05
Non-US Stocks	93.78	95.07
Bonds	0.00	0.28
Cash	1.39	1.25
Other	0.00	0.34
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2022



## World Regions % Equity 06-30-2022



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	32.96	35.16	Americas	7.05	8.86	Greater Europe	59.99	55.97	Developed Markets	95.51
Japan	18.67	17.94	North America	7.05	7.72	United Kingdom	15.18	13.89	Emerging Markets	4.49
Australasia	3.32	5.40	Central/Latin	0.00	1.14	W euro-ex UK	44.81	40.85	Not Available	0.00
Asia-4 Tigers	6.48	6.91				Emrgng Europe	0.00	0.09		
Asia-ex 4 Tigers	4.49	4.91				Africa	0.00	1.14		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 06-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Roche Holding AG	3.61	3.61	-15.13	Healthcare
⊕ Nestle SA	3.52	7.12	-11.13	Consumer Defensive
⊖ Novo Nordisk A/S Class B	3.43	10.55	6.54	Healthcare
⊕ Linde PLC	2.80	13.36	-10.10	Basic Materials
⊕ Schneider Electric SE	2.49	15.84	-32.96	Industrials
⊕ LVMH Moet Hennessy Louis Vuitton SE	2.17	18.01	-25.35	Consumer Cyclical
⊕ Hitachi Ltd	1.67	19.68	4.17	Industrials
⊕ British American Tobacco PLC	1.59	21.26	26.45	Consumer Defensive
⊕ Diageo PLC	1.58	22.85	-12.78	Consumer Defensive
⊕ London Stock Exchange Group PLC	1.50	24.35	10.87	Financial Services

**Total Holdings 119**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# PIMCO Income I2 PONPX

**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 15.26 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.72 is 28% lower than the Multisector 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



## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.15	-	1.02
Beta	0.84	-	1.09
R-Squared	36.53	-	42.50
Standard Deviation	6.55	4.69	8.32
Sharpe Ratio	-0.02	-0.30	-0.05
Tracking Error	5.27	-	6.53
Information Ratio	0.22	-	0.15
Up Capture Ratio	92.04	-	112.99
Down Capture Ratio	75.58	-	101.84

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	2.53	4.55	3.96
Avg Eff Maturity	3.68	7.69	6.98

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

# PIMCO Income I2 PONPX

**Morningstar Category**  
Multisector Bond

**Morningstar Index**  
Bloomberg US Universal TR USD

**Style Analysis** as of 06-30-2022

**Style Breakdown**



**Asset Allocation** as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	1.19	1.93
Non-US Stocks	0.55	0.17
Bonds	105.89	88.82
Cash	-12.39	6.86
Other	4.75	2.22
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Credit Rating Breakdown**

	Fund	Bmark	Cat
AAA	34.35	67.64	22.50
AA	7.93	3.23	4.19
A	4.17	10.03	8.81
BBB	19.57	10.89	21.16
BB	19.47	3.19	16.59
B	4.50	3.64	15.03
Below B	10.02	1.38	6.11
Not Rated	0.00	0.00	5.61

**Sector Weighting** as of 06-30-2022



**Top 10 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
✱ Cash Offset	-	21.20	21.20	-
⊖ IRO USD 1Y P 1.27000 L 11/02/22 GLM	11-2022	11.46	32.66	-
✱ Offset: Unsettled Trades	-	10.30	42.96	-
⊖ 10 Year Treasury Note Future June 22	06-2022	8.95	51.91	-
⊖ IRS USD 0.70000 12/14/21-3Y LCH Pay	12-2024	7.70	59.61	-
⊕ CDX HY37 5Y ICE	12-2026	7.70	67.31	-
⊖ IRS USD 0.80000 12/14/21-3Y LCH Pay	12-2024	7.69	74.99	-
⊖ IRS USD 0.80000 12/14/21-3Y LCH Receive	12-2024	7.32	82.32	-
⊖ IRS USD 0.70000 12/14/21-3Y LCH Receive	12-2024	7.31	89.63	-
⊖ BRITISH POUND STERLING Sold	05-2022	7.30	96.93	-

**Total Holdings 8127**

⊕ Increase ⊖ Decrease ✱ New to Portfolio



# PIMCO International Bond (USD-Hdg) I-2 PFBPX

**Morningstar Category**  
Global Bond-USD Hedged

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

## Portfolio Manager(s)

Andrew Balls since 09-2014  
Lorenzo Pagani since 09-2014  
Sachin Gupta since 09-2014

## Quantitative Screens

✔ **Performance:** The fund has finished in the Global Bond-USD Hedged 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 7.76 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.62 is 16.22% 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.

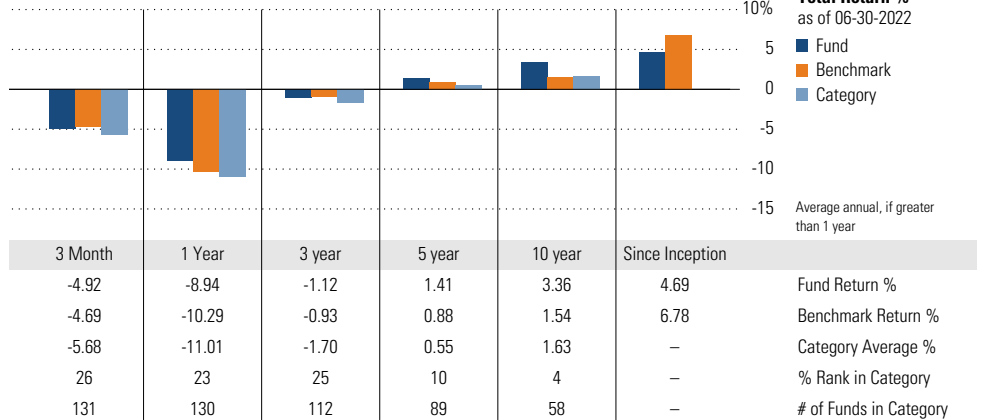
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	04-30-2022

## 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	-0.51	-	-0.81
Beta	0.63	-	0.91
R-Squared	49.82	-	57.84
Standard Deviation	4.08	4.56	5.48
Sharpe Ratio	-0.40	-0.31	-0.41
Tracking Error	3.34	-	3.78
Information Ratio	-0.06	-	-0.20
Up Capture Ratio	68.47	-	99.24
Down Capture Ratio	76.30	-	111.69

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	7.12	4.43	5.90
Avg Eff Maturity	7.98	-	7.40

# PIMCO International Bond (USD-Hdg) I-2 PFBPX

**Morningstar Category**  
Global Bond-USD Hedged

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

## Style Analysis as of 06-30-2022

### Style Breakdown



## Asset Allocation as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	-0.20	0.00
Non-US Stocks	-0.07	0.00
Bonds	84.70	87.94
Cash	8.26	10.68
Other	7.33	1.39
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	30.40	3.53	43.32
AA	16.24	74.59	15.43
A	26.41	10.82	22.68
BBB	20.99	8.32	11.10
BB	2.44	0.28	0.26
B	0.93	0.00	0.07
Below B	2.60	0.00	0.00
Not Rated	0.00	2.46	7.15

## Sector Weighting as of 06-30-2022

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Government</b>	<b>40.86</b>	-	<b>48.86</b>			
Treasury	7.70	-	35.82			
Inflation – Protected	0.43	-	1.50			
Agency/Quasi Agency	1.44	-	5.89			
Other Government Related	31.29	-	5.65			
<b>Corporate</b>	<b>4.13</b>	-	<b>14.21</b>			
Corporate Bond	2.97	-	13.01			
Bank Loan	0.06	-	0.31			
Convertible	0.92	-	0.88			
Preferred	0.18	-	0.01			
<b>Securitized</b>	<b>8.10</b>	-	<b>5.07</b>			
Agency MBS Pass-Through	2.72	-	2.03			
Agency MBS ARM	0.00	-	0.00			
Agency MBS CMO	0.02	-	0.42			
Non-Agency Residential MBS	1.26	-	0.10			
Commercial MBS	0.27	-	0.64			
Asset-Backed	2.87	-	1.54			
Covered Bond	0.96	-	0.34			
<b>Municipal</b>	<b>0.03</b>	-	<b>0.12</b>			
<b>Cash &amp; Equivalents</b>	<b>27.90</b>	-	<b>18.76</b>			
<b>Other</b>	<b>18.00</b>	-	<b>12.90</b>			

## Top 10 Holdings as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊖ OIS USD SOFR/1.32000 12/21/22-1Y LCH Pay	12-2023	39.00	39.00	-
⊖ OIS USD SOFR/1.32000 12/21/22-1Y LCH Receive	12-2023	38.45	77.45	-
⊕ IRS EUR -0.25000 09/21/22-5Y LCH Pay	09-2027	16.52	93.96	-
⊕ IRS EUR -0.25000 09/21/22-5Y LCH Receive	09-2027	15.39	109.36	-
⊕ Euro Schatz Future June 22	06-2022	14.79	124.15	-
⊖ JAPANESE YEN Purchased	05-2022	14.21	138.36	-
⊖ JAPANESE YEN Sold	05-2022	14.21	152.57	-
⊕ IRS EUR 0.25000 09/21/22-10Y LCH Pay	09-2032	13.00	165.57	-
⊕ IRS EUR 0.25000 09/21/22-10Y LCH Receive	09-2032	11.72	177.28	-
⊖ IRS USD 1.27000 11/04/22-1Y (RED) LCH Pay	11-2023	10.91	188.19	-

**Total Holdings 1778**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# PIMCO Short-Term I2 PTSPX

**Morningstar Category**  
Ultrashort Bond

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

## Portfolio Manager(s)

Jerome Schneider since 01-2011  
Nathan Chiaverini since 04-2019  
Andrew Wittkop since 04-2019

## Quantitative Screens

✔ **Performance:** The fund has finished in the Ultrashort 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 11.5 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.57 is 21.28% higher than the Ultrashort Bond category average.

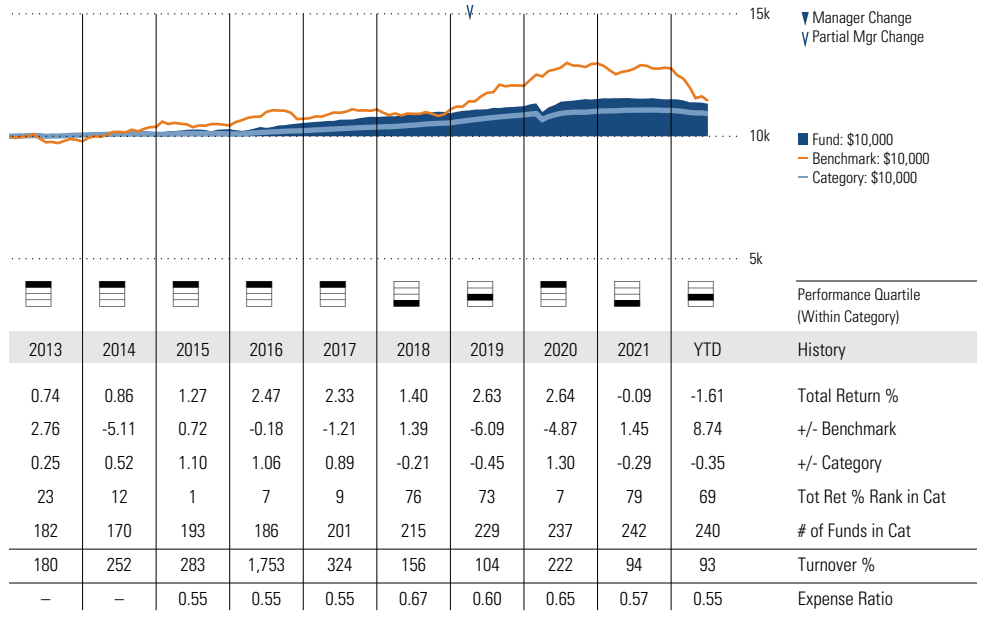
## Morningstar Investment Management LLC Analysis

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.

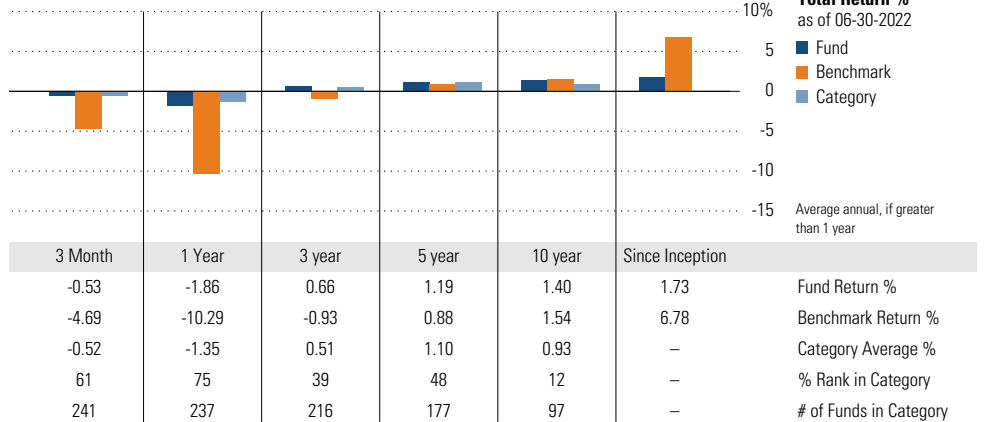
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	05-31-2022

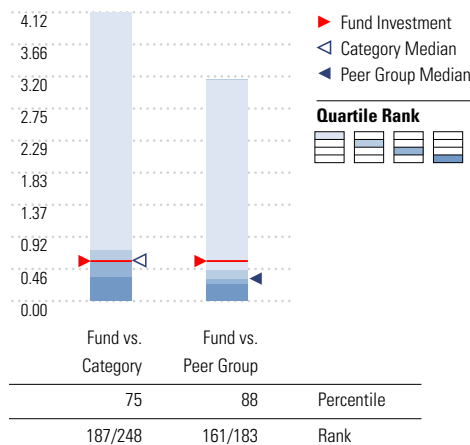
## Growth of \$10,000



## Trailing Performance



## Net Expense



## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.83	-	0.61
Beta	0.17	-	0.15
R-Squared	10.30	-	18.16
Standard Deviation	2.42	4.56	1.87
Sharpe Ratio	0.05	-0.31	-0.06
Tracking Error	4.42	-	4.39
Information Ratio	0.36	-	0.32
Up Capture Ratio	31.98	-	25.90
Down Capture Ratio	16.88	-	14.87

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	0.66	4.43	0.84
Avg Eff Maturity	0.30	-	2.01

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

# PIMCO Short-Term I2 PTSPX

**Morningstar Category**  
Ultrashort Bond

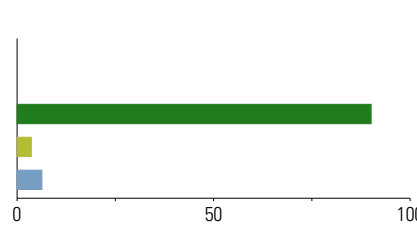
**Morningstar Index**  
Bloomberg US Agg Bond TR USD

## Style Analysis as of 06-30-2022

### Style Breakdown



## Asset Allocation as of 06-30-2022

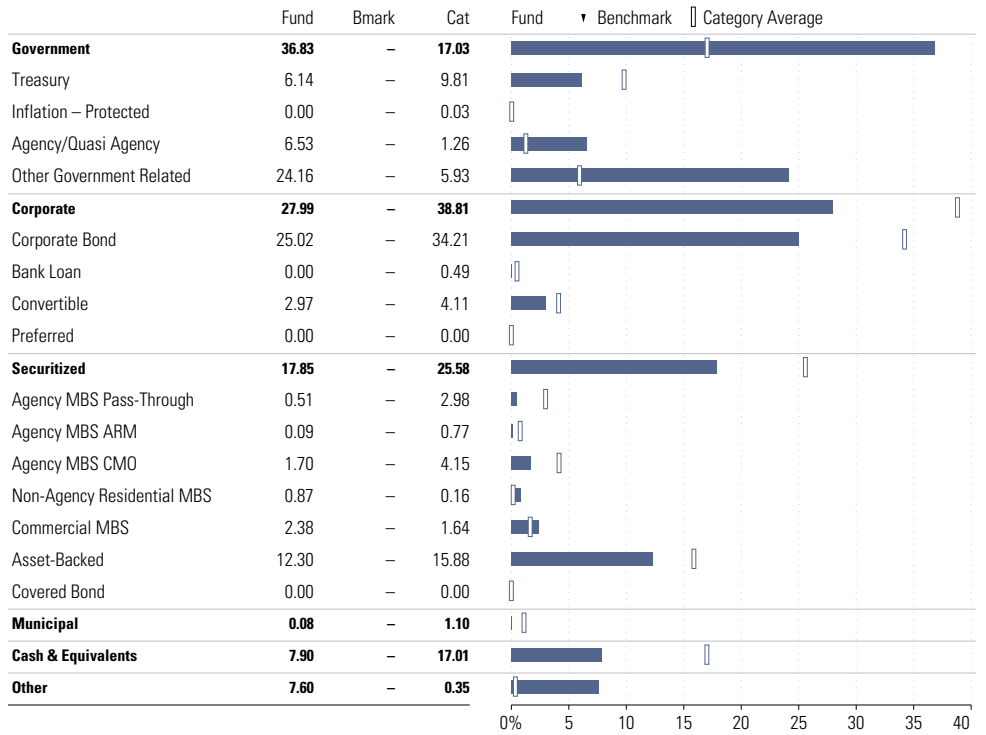


Asset Class	Net %	Cat%
US Stocks	0.00	0.00
Non-US Stocks	0.00	0.00
Bonds	90.08	80.56
Cash	3.61	15.18
Other	6.31	4.25
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	46.53	3.53	25.22
AA	4.86	74.59	6.37
A	18.09	10.82	20.89
BBB	28.62	8.32	27.37
BB	1.59	0.28	3.05
B	0.16	0.00	3.23
Below B	0.15	0.00	0.50
Not Rated	0.00	2.46	13.37

## Sector Weighting as of 06-30-2022



## Top 10 Holdings as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ 2 Year Treasury Note Future June 22	07-2022	28.65	28.65	-
⊖ 5 Year Treasury Note Future June 22	07-2022	24.70	53.35	-
United States Treasury Notes 1% 1%	12-2024	7.45	60.81	-
⊕ IRS USD R 3ML/1ML+9.75 01/13/22-23 CME Pay	01-2023	4.81	65.61	-
⊕ IRS USD R 3ML/1ML+9.75 01/13/22-23 CME Receive	01-2023	4.81	70.42	-
⊖ CDX IG37 5Y ICE	12-2026	3.78	74.20	-
⊕ IRS USD R 3ML/1ML+9.8 01/13/22-23 CME Pay	01-2023	3.68	77.88	-
⊕ IRS USD R 3ML/1ML+9.8 01/13/22-23 CME Receive	01-2023	3.68	81.56	-
⊖ AUSTRALIAN DOLLARS Purchased	04-2022	3.37	84.93	-
⊖ AUSTRALIAN DOLLARS Sold	04-2022	3.37	88.30	-

**Total Holdings 1400**

⊕ 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 6.18 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 95% lower than the Large Blend category average.

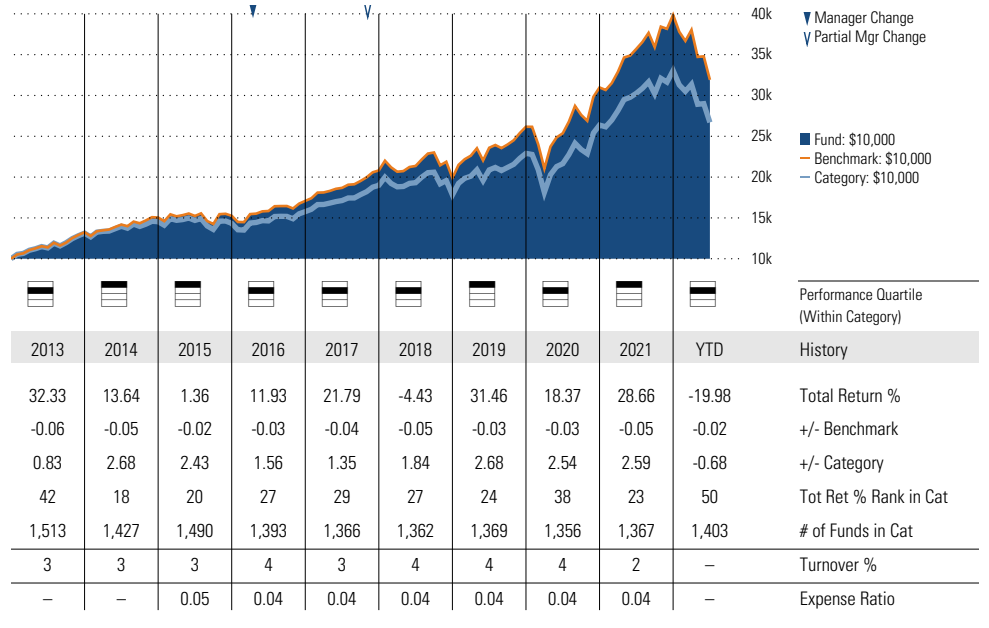
## Morningstar Investment Management LLC Analysis

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.

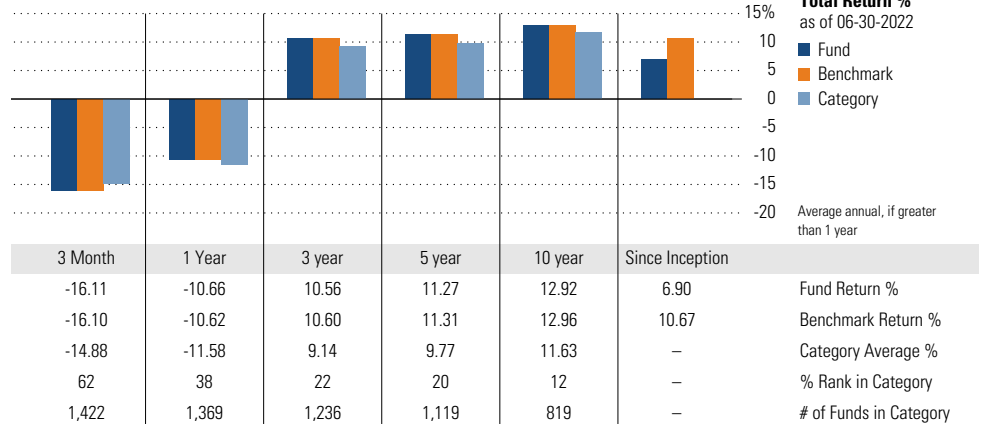
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

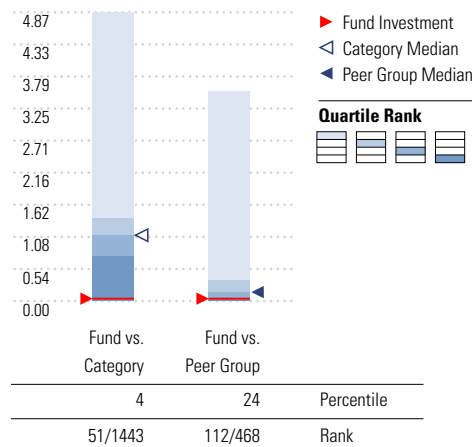
## Growth of \$10,000



## 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	-0.03	-	-1.37
Beta	1.00	-	0.96
R-Squared	100.00	-	94.93
Standard Deviation	18.64	18.64	18.43
Sharpe Ratio	0.60	0.60	0.50
Tracking Error	0.01	-	3.92
Information Ratio	-3.27	-	-1.04
Up Capture Ratio	99.94	-	93.13
Down Capture Ratio	100.06	-	98.50

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	18.45	18.44	18.70
Price/Book Ratio	3.53	3.53	4.24
Geom Avg Mkt Cap \$B	172.63	172.47	216.36
ROE	32.86	32.85	36.39

# Vanguard 500 Index Admiral VFIAX

**Morningstar Category**  
Large Blend

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

## Style Analysis as of 06-30-2022

Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 06-30-2022



## Sector Weighting as of 06-30-2022



## Top 15 Holdings as of 06-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Apple Inc	6.55	6.55	-22.75	Technology
⊕ Microsoft Corp	5.98	12.53	-23.27	Technology
⊕ Amazon.com Inc	2.90	15.43	-36.29	Consumer Cyclical
⊕ Alphabet Inc Class A	2.04	17.47	-24.78	Communication Svc
⊕ Alphabet Inc Class C	1.88	19.35	-24.40	Communication Svc
⊕ Tesla Inc	1.76	21.11	-36.28	Consumer Cyclical
⊕ Berkshire Hathaway Inc Class B	1.54	22.65	-8.69	Financial Services
⊕ UnitedHealth Group Inc	1.50	24.15	2.91	Healthcare
⊕ Johnson & Johnson	1.46	25.61	5.04	Healthcare
⊕ NVIDIA Corp	1.18	26.79	-48.43	Technology
⊕ Meta Platforms Inc Class A	1.15	27.94	-52.06	Communication Svc
⊕ Exxon Mobil Corp	1.12	29.07	42.83	Energy
⊕ Procter & Gamble Co	1.07	30.14	-11.01	Consumer Defensive
⊕ JPMorgan Chase & Co	1.03	31.17	-27.62	Financial Services
⊕ Visa Inc Class A	1.00	32.18	-8.80	Financial Services

**Total Holdings 506**

⊕ 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  
Lawrence Burns since 12-2020  
James Gautrey since 12-2020

## Quantitative Screens

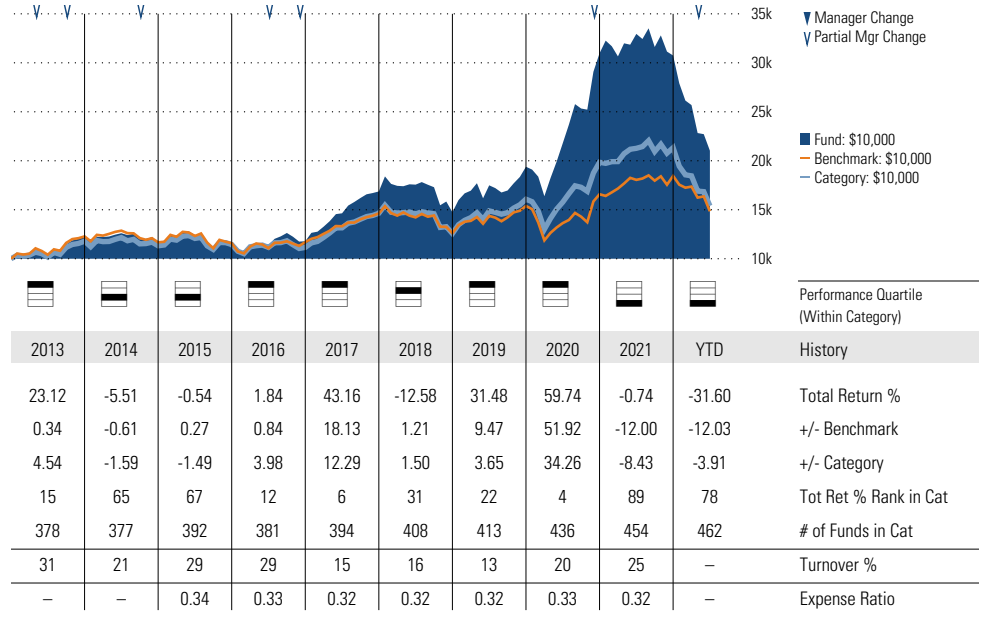
✔ **Performance:** The fund has finished in the Foreign Large Growth category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 12.51 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 0.32 is 69.52% lower than the Foreign Large Growth category average.

## Growth of \$10,000



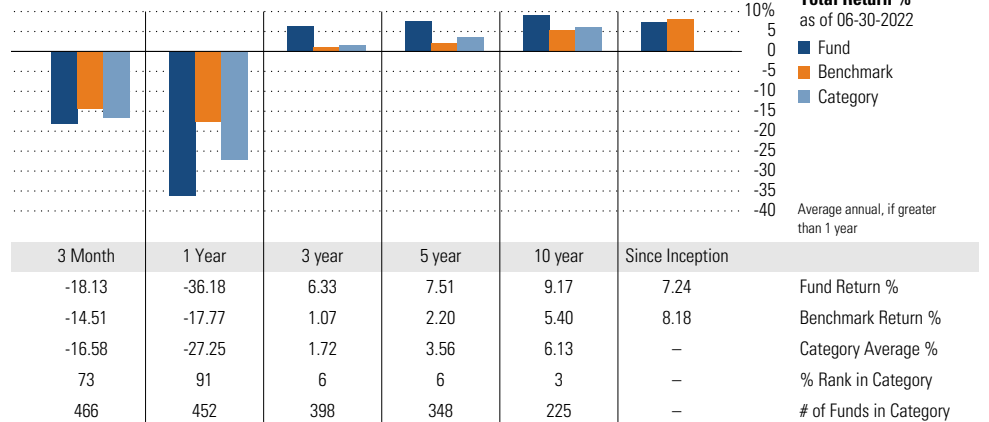
## Morningstar Investment Management LLC Analysis

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.

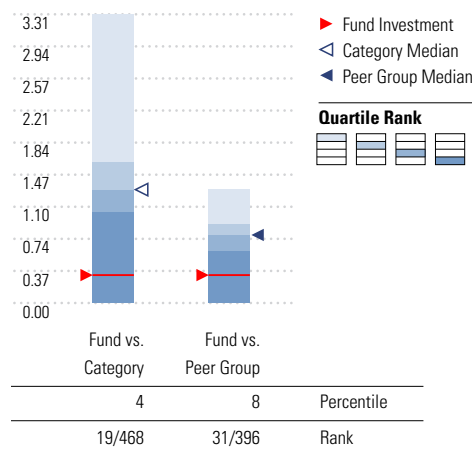
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022

## 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	5.78	-	0.76
Beta	1.00	-	0.93
R-Squared	68.37	-	80.60
Standard Deviation	21.79	18.01	18.75
Sharpe Ratio	0.36	0.12	0.14
Tracking Error	12.25	-	8.38
Information Ratio	0.43	-	0.06
Up Capture Ratio	111.49	-	99.97
Down Capture Ratio	90.15	-	98.29

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	19.92	12.65	19.00
Price/Book Ratio	3.66	1.55	2.80
Geom Avg Mkt Cap \$B	73.94	40.94	45.95
ROE	18.47	18.36	20.88

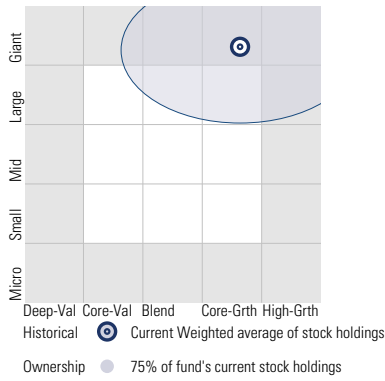
# Vanguard International Growth Adm VWILX

**Morningstar Category**  
Foreign Large Growth

**Morningstar Index**  
MSCI EAFE NR USD

## Style Analysis as of 06-30-2022

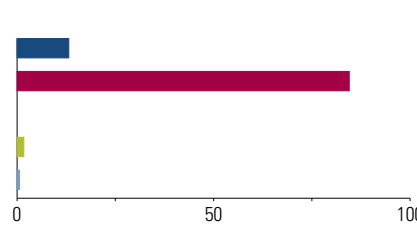
Morningstar Style Box™



## Style Breakdown

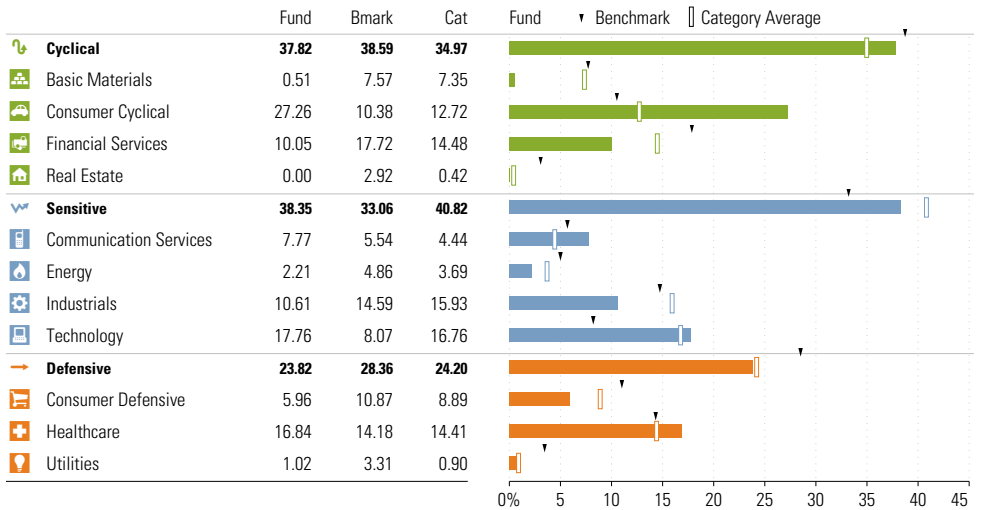


## Asset Allocation as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	13.15	7.40
Non-US Stocks	84.51	88.63
Bonds	0.00	0.12
Cash	1.71	3.37
Other	0.62	0.48
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2022



## World Regions % Equity 06-30-2022



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	30.70	26.44	Americas	20.83	15.78	Greater Europe	48.47	57.78	Developed Markets	79.63
Japan	7.36	10.94	North America	15.22	13.48	United Kingdom	7.14	10.84	Emerging Markets	20.37
Australasia	0.61	1.69	Central/Latin	5.61	2.30	W euro-ex UK	41.00	46.17	Not Available	0.00
Asia-4 Tigers	7.97	6.57				Emrgng Europe	0.00	0.04		
Asia-ex 4 Tigers	14.76	7.24				Africa	0.33	0.73		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 06-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ ASML Holding NV	5.84	5.84	-34.97	Technology
⊖ MercadoLibre Inc	4.56	10.40	-52.77	Consumer Cyclical
⊖ Tencent Holdings Ltd	3.88	14.28	-25.53	Communication Svc
⊕ Adyen NV	3.55	17.83	-39.95	Technology
⊖ Taiwan Semiconductor Manufacturing Co Ltd	3.47	21.30	-21.71	Technology
⊖ Tesla Inc	3.23	24.54	-36.28	Consumer Cyclical
Moderna Inc	3.18	27.72	-43.76	Healthcare
⊖ Kering SA	2.85	30.57	-28.97	Consumer Cyclical
Illumina Inc	2.54	33.11	-51.54	Healthcare
⊕ Alibaba Group Holding Ltd Ordinary Shares	2.45	35.56	8.97	Consumer Cyclical

**Total Holdings 145**

⊕ 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 12.1 years.

✔ **Style:** The fund has landed in its primary style box — Large Value — 83.33 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.36 is 63.64% 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	05-31-2022
Carbon Risk Score	Medium Risk	03-31-2022

## 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	1.18	-	0.83
Beta	1.06	-	1.06
R-Squared	92.11	-	89.34
Standard Deviation	19.95	18.01	20.26
Sharpe Ratio	0.17	0.12	0.15
Tracking Error	5.71	-	6.94
Information Ratio	0.17	-	0.07
Up Capture Ratio	107.47	-	107.17
Down Capture Ratio	103.40	-	105.01

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	13.50	12.65	9.24
Price/Book Ratio	1.52	1.55	1.12
Geom Avg Mkt Cap \$B	32.18	40.94	30.98
ROE	14.40	18.36	15.67

# Vanguard International Value Inv VTRIX

**Morningstar Category**  
Foreign Large Value

**Morningstar Index**  
MSCI EAFE NR USD

## Style Analysis as of 06-30-2022

Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	5.02	2.74
Non-US Stocks	88.42	94.98
Bonds	0.00	0.21
Cash	6.55	1.74
Other	0.00	0.34
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2022



## World Regions % Equity 06-30-2022



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Americas	11.87	9.24	Greater Europe	50.17	60.68	Developed Markets	80.33			
North America	7.38	7.97	United Kingdom	16.07	18.84	Emerging Markets	19.67			
Central/Latin	4.49	1.27	W euro-ex UK	33.04	41.21	Not Available	0.00			
			Emrgng Europe	0.00	0.09					
			Africa	1.06	0.54					

## Top 10 Holdings as of 06-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Mktliq 12/31/2049	4.85	4.85	-	-
⊕ Alibaba Group Holding Ltd Ordinary Shares	1.44	6.29	8.97	Consumer Cyclical
⊕ HSBC Holdings PLC	1.38	7.67	22.46	Financial Services
⊕ TotalEnergies SE	1.37	9.04	17.30	Energy
⊕ Compass Group PLC	1.33	10.37	3.17	Consumer Cyclical
⊕ Holcim Ltd	1.33	11.69	-7.44	Basic Materials
⊕ Novartis AG	1.30	12.99	3.22	Healthcare
⊖ Bank Bradesco SA ADR	1.27	14.26	6.33	Financial Services
⊕ RELX PLC	1.17	15.43	-5.85	Communication Svc
⊕ BP PLC	1.12	16.55	20.07	Energy

**Total Holdings 238**

⊕ 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

## 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 9.36 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 93.33% lower than the Mid-Cap Growth category average.

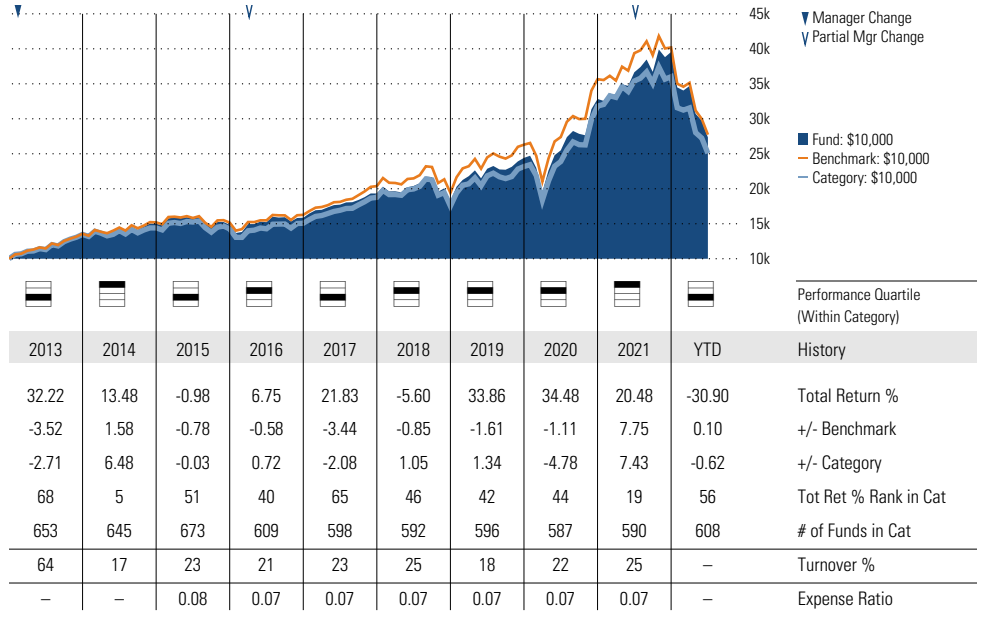
## Morningstar Investment Management LLC Analysis

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.

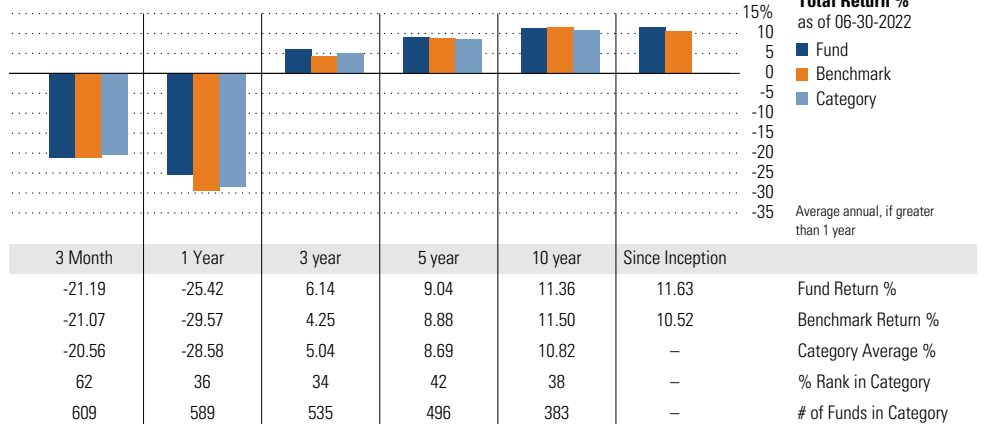
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

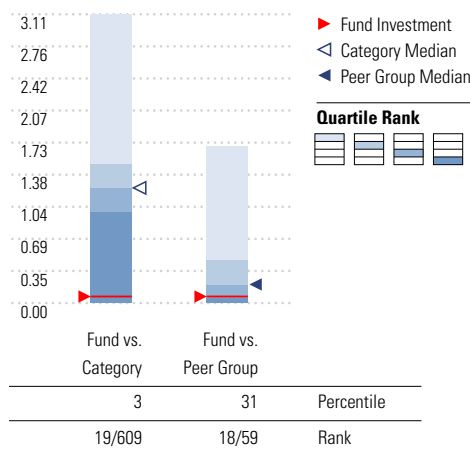
## Growth of \$10,000



## 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	1.86	-	0.70
Beta	0.99	-	0.99
R-Squared	98.56	-	90.56
Standard Deviation	22.51	22.56	23.65
Sharpe Ratio	0.35	0.27	0.29
Tracking Error	2.71	-	7.23
Information Ratio	0.70	-	-0.03
Up Capture Ratio	102.48	-	101.18
Down Capture Ratio	96.12	-	100.08

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	26.47	23.07	24.48
Price/Book Ratio	4.31	6.23	3.88
Geom Avg Mkt Cap \$B	21.81	18.10	14.25
ROE	18.15	25.71	19.72

# Vanguard Mid-Cap Growth Index Admiral VMGMX

Morningstar Category

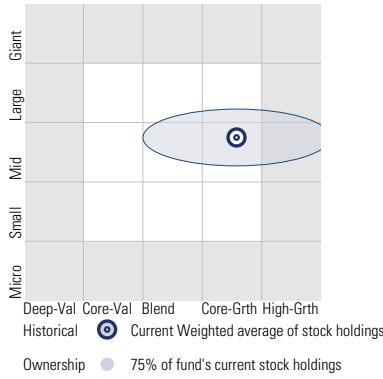
Mid-Cap Growth

Morningstar Index

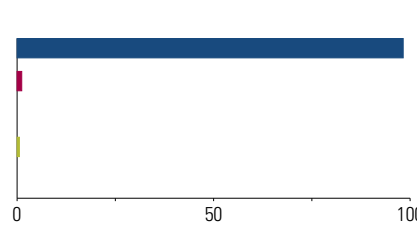
Russell Mid Cap Growth TR USD

## Style Analysis as of 06-30-2022

Morningstar Style Box™

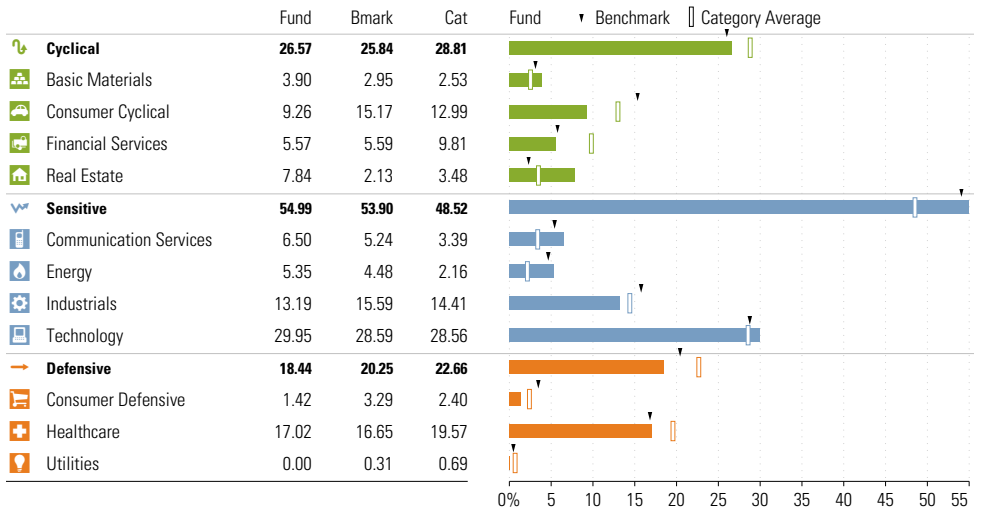


## Asset Allocation as of 06-30-2022

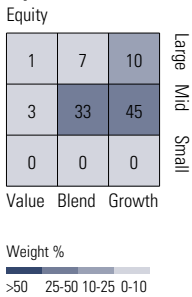


Asset Class	Net %	Cat%
US Stocks	98.24	93.57
Non-US Stocks	1.18	3.97
Bonds	0.00	0.06
Cash	0.58	2.04
Other	0.00	0.36
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2022



## Style Breakdown



## Top 15 Holdings as of 06-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Synopsys Inc	1.72	1.72	-17.58	Technology
⊖ Cadence Design Systems Inc	1.53	3.25	-19.49	Technology
⊖ IQVIA Holdings Inc	1.52	4.77	-23.09	Healthcare
⊕ Realty Income Corp	1.52	6.30	-2.58	Real Estate
⊖ Amphenol Corp Class A	1.43	7.73	-25.93	Technology
⊖ Digital Realty Trust Inc	1.37	9.10	-25.22	Real Estate
⊖ Devon Energy Corp	1.35	10.45	30.26	Energy
⊖ SBA Communications Corp	1.28	11.72	-17.36	Real Estate
⊖ Cintas Corp	1.20	12.93	-15.29	Industrials
⊖ Microchip Technology Inc	1.19	14.12	-32.68	Technology
⊖ Waste Connections Inc	1.18	15.30	-8.70	Industrials
⊖ MSCI Inc	1.18	16.48	-32.39	Financial Services
⊖ ResMed Inc	1.14	17.61	-19.20	Healthcare
⊖ Cheniere Energy Inc	1.13	18.74	31.82	Energy
⊖ DexCom Inc	1.08	19.83	-44.48	Healthcare

**Total Holdings 181**

⊕ 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

## 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 15.88 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 92.93% lower than the Mid-Cap Value category average.

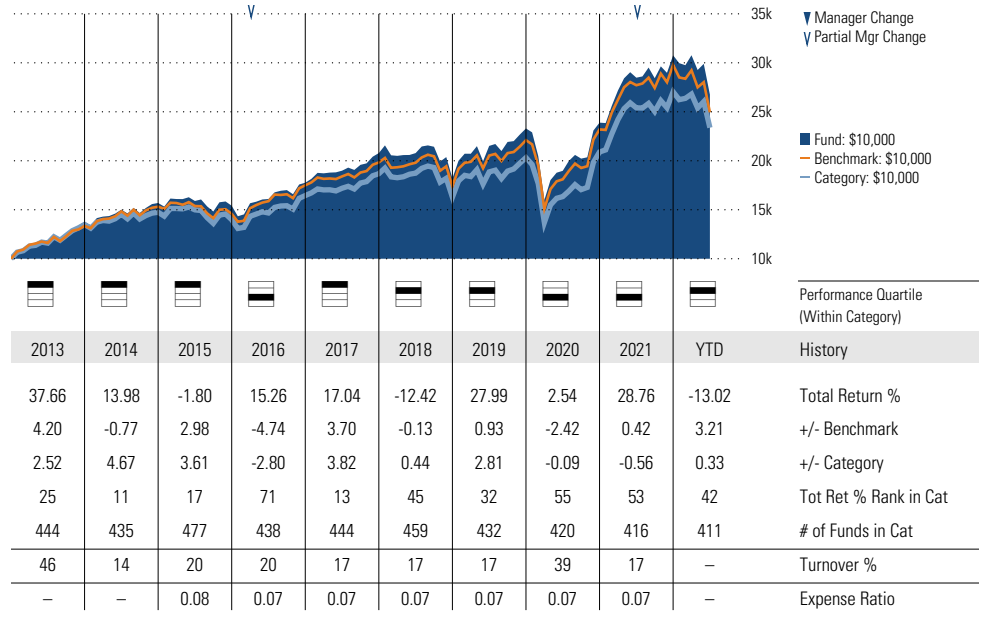
## Morningstar Investment Management LLC Analysis

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.

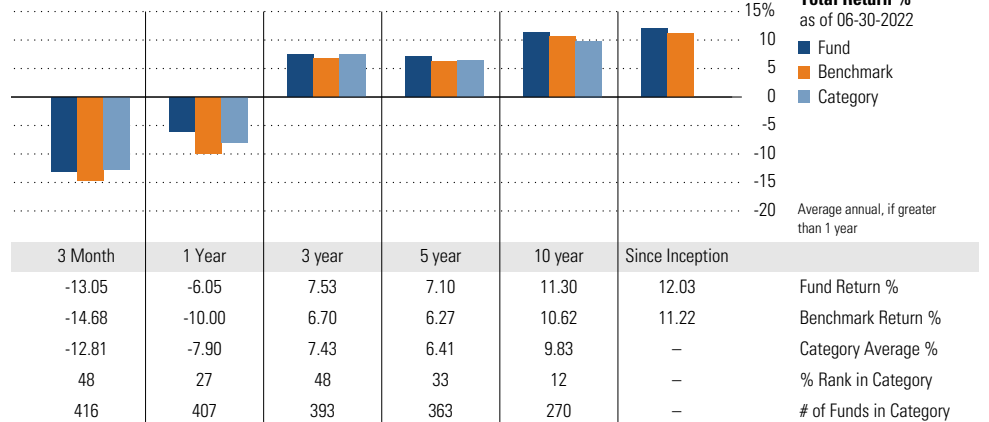
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	05-31-2022
Carbon Risk Score	Medium Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

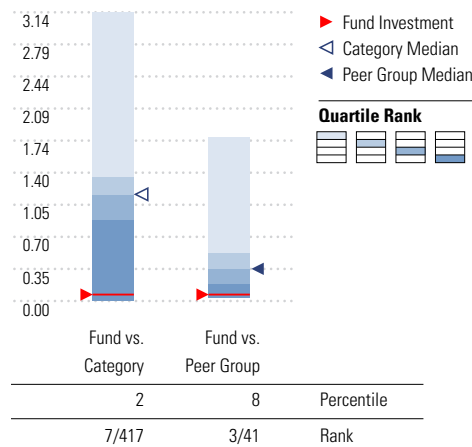
## Growth of \$10,000



## 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	0.96	-	0.53
Beta	0.96	-	1.00
R-Squared	99.17	-	95.87
Standard Deviation	21.90	22.71	23.30
Sharpe Ratio	0.42	0.38	0.39
Tracking Error	2.19	-	5.16
Information Ratio	0.38	-	0.08
Up Capture Ratio	97.72	-	100.31
Down Capture Ratio	94.23	-	98.84

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	13.75	13.57	12.27
Price/Book Ratio	2.08	1.95	1.76
Geom Avg Mkt Cap \$B	20.64	15.09	11.89
ROE	20.31	16.31	20.30

# Vanguard Mid-Cap Value Index Admiral VMVAX

Morningstar Category

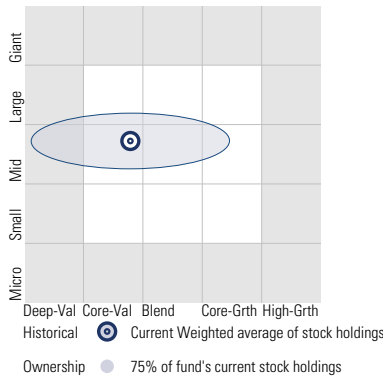
Mid-Cap Value

Morningstar Index

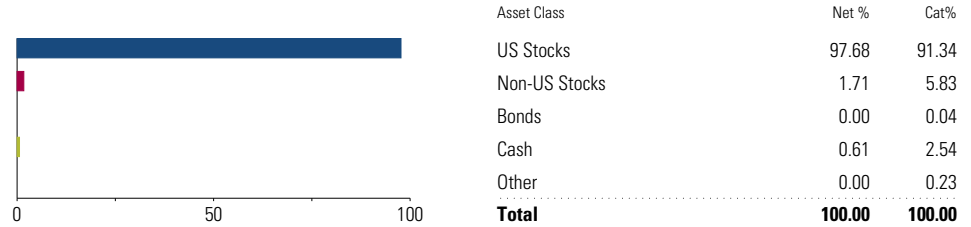
Russell Mid Cap Value TR USD

## Style Analysis as of 06-30-2022

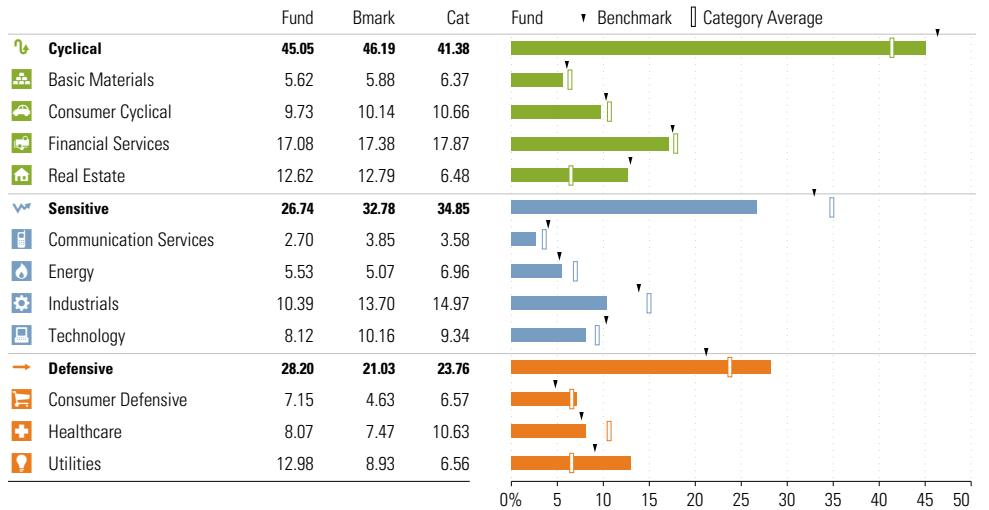
Morningstar Style Box™



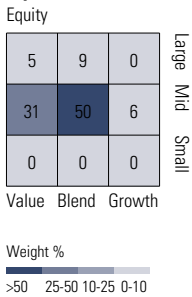
## Asset Allocation as of 06-30-2022



## Sector Weighting as of 06-30-2022



## Style Breakdown



## Top 15 Holdings as of 06-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Corteva Inc	1.29	1.29	15.10	Basic Materials
⊕ Welltower OP LLC	1.23	2.53	-2.57	Real Estate
⊕ Arthur J. Gallagher & Co	1.13	3.66	-3.31	Financial Services
⊕ Consolidated Edison Inc	1.11	4.77	13.31	Utilities
⊖ Dollar Tree Inc	1.10	5.87	10.91	Consumer Defensive
⊕ WEC Energy Group Inc	1.05	6.92	5.18	Utilities
⊕ The Kroger Co	1.01	7.93	5.50	Consumer Defensive
⊕ International Flavors & Fragrances Inc	1.00	8.93	-19.88	Basic Materials
⊕ Carrier Global Corp Ordinary Shares	1.00	9.93	-33.70	Industrials
⊕ Eversource Energy	0.96	10.89	-5.75	Utilities
⊕ VICI Properties Inc Ordinary Shares	0.95	11.83	1.33	Real Estate
⊕ M&T Bank Corp	0.94	12.77	5.35	Financial Services
⊕ Baker Hughes Co Class A	0.94	13.71	21.49	Energy
⊖ Nucor Corp	0.92	14.63	-7.66	Basic Materials
⊕ AvalonBay Communities Inc	0.90	15.52	-21.84	Real Estate

**Total Holdings 203**

⊕ 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 26.15 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.12 is 88.46% lower than the Real Estate category average.

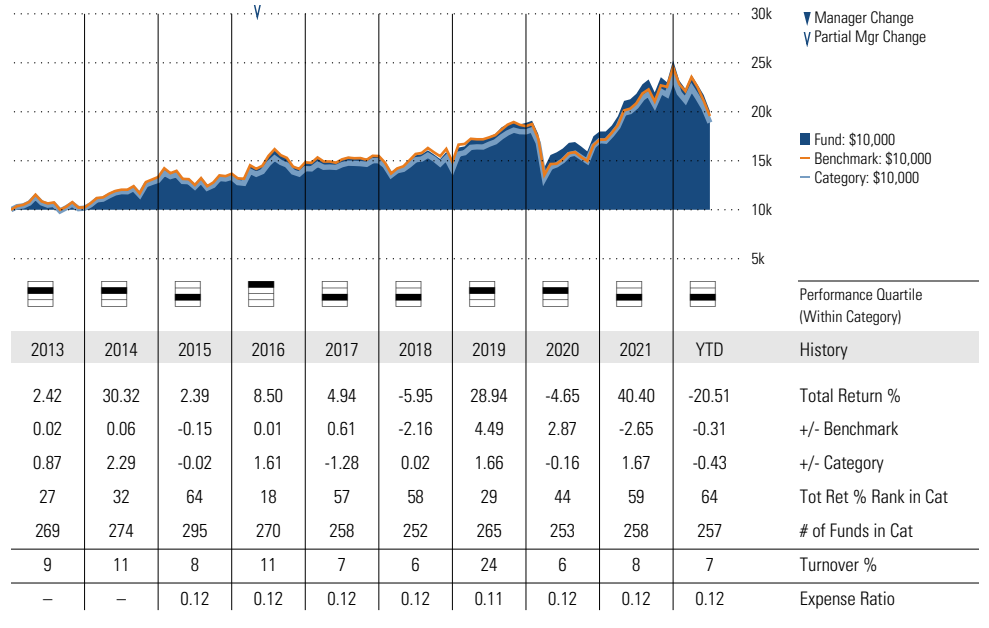
## Morningstar Investment Management LLC Analysis

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.

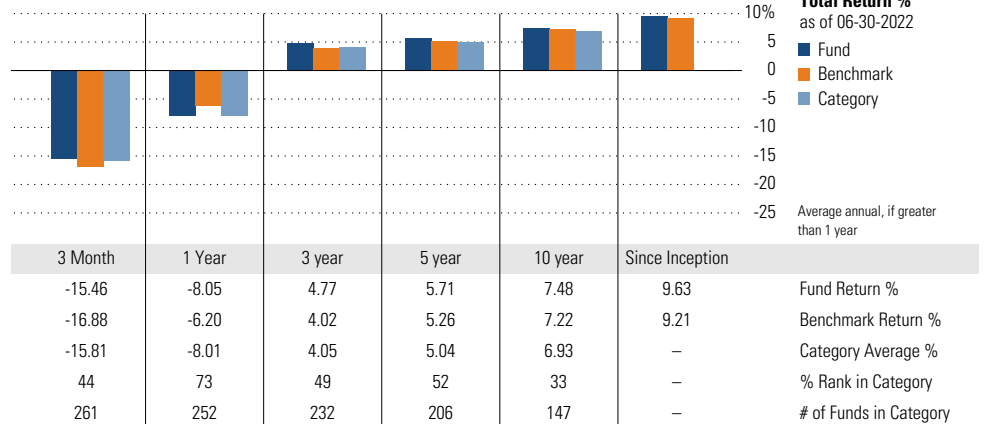
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Medium Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

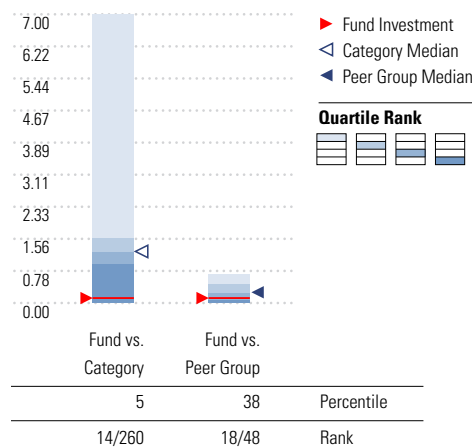
## Growth of \$10,000



## 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	0.82	-	0.73
Beta	0.95	-	0.94
R-Squared	98.24	-	92.84
Standard Deviation	20.14	21.07	20.49
Sharpe Ratio	0.30	0.27	0.31
Tracking Error	2.89	-	5.32
Information Ratio	0.26	-	0.13
Up Capture Ratio	98.22	-	96.74
Down Capture Ratio	95.26	-	94.83

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	26.34	38.46	26.06
Price/Book Ratio	2.47	2.42	2.72
Geom Avg Mkt Cap \$B	20.92	9.35	25.84
ROE	16.62	9.56	20.45

# Vanguard Real Estate Index Admiral VGSLX

**Morningstar Category**  
Real Estate

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

## Style Analysis as of 06-30-2022

Morningstar Style Box™



## Asset Allocation as of 06-30-2022



## Sector Weighting as of 06-30-2022



## Style Breakdown



## Top 15 Holdings as of 06-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Real Estate II Index	11.59	11.59	-	-
⊖ American Tower Corp	7.52	19.11	-11.65	Real Estate
⊖ Prologis Inc	5.62	24.73	-29.18	Real Estate
⊖ Crown Castle International Corp	4.70	29.43	-17.93	Real Estate
⊖ Equinix Inc	3.85	33.28	-21.59	Real Estate
⊖ Public Storage	3.18	36.46	-15.46	Real Estate
⊖ Realty Income Corp	2.61	39.07	-2.58	Real Estate
⊖ Welltower OP LLC	2.29	41.36	-2.57	Real Estate
⊖ Digital Realty Trust Inc	2.27	43.63	-25.22	Real Estate
⊖ SBA Communications Corp	2.25	45.88	-17.36	Real Estate
⊖ Simon Property Group Inc	1.96	47.84	-38.49	Real Estate
⊖ AvalonBay Communities Inc	1.75	49.59	-21.84	Real Estate
⊖ VICI Properties Inc Ordinary Shares	1.63	51.21	1.33	Real Estate
⊖ Equity Residential	1.60	52.82	-18.82	Real Estate
⊖ Weyerhaeuser Co	1.60	54.41	-15.18	Real Estate

**Total Holdings 174**

⊕ 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 17.51 years.

✗ **Style:** The fund has landed in its primary style box — Small Growth — 38.24 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.07 is 94.17% lower than the Small Growth category average.

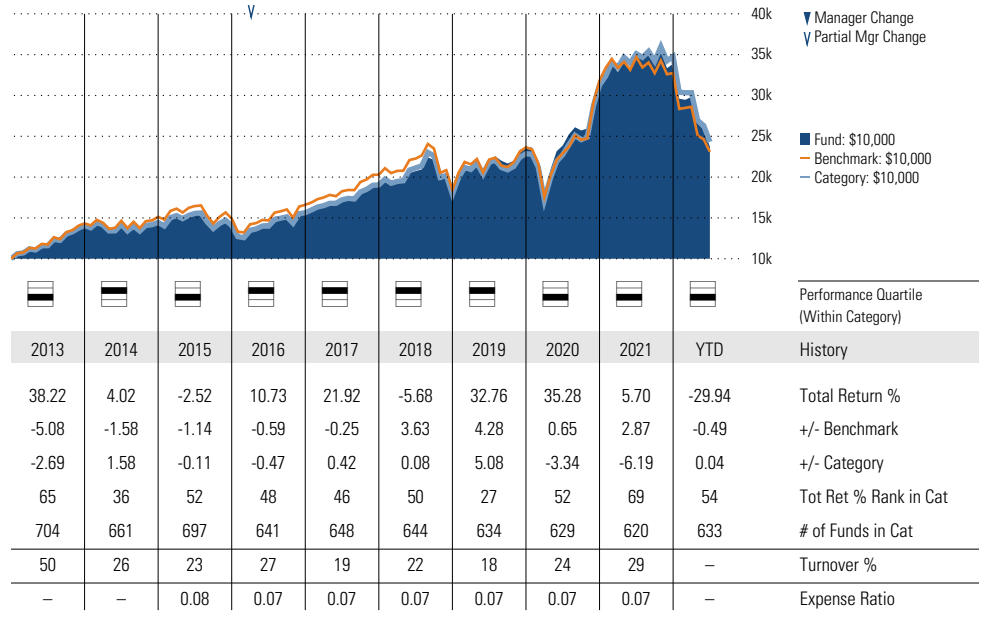
## Morningstar Investment Management LLC Analysis

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

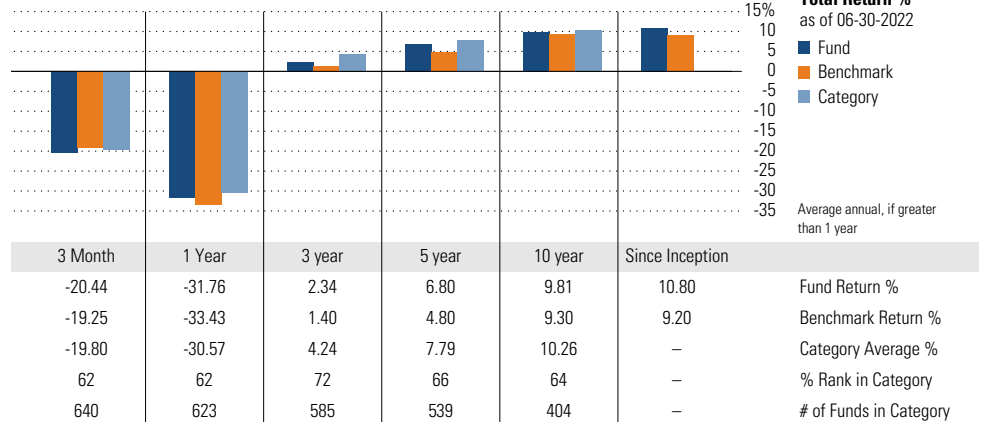
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

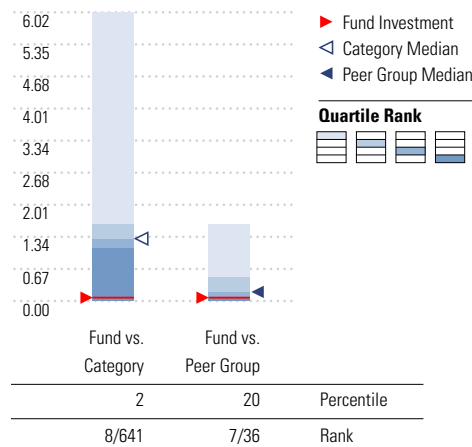
## Growth of \$10,000



## 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	0.94	-	2.48
Beta	0.94	-	0.95
R-Squared	96.38	-	90.14
Standard Deviation	23.80	24.74	24.84
Sharpe Ratio	0.19	0.16	0.25
Tracking Error	4.73	-	8.05
Information Ratio	0.20	-	0.29
Up Capture Ratio	97.45	-	100.54
Down Capture Ratio	94.53	-	93.52

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	21.15	15.94	19.67
Price/Book Ratio	3.23	3.50	3.39
Geom Avg Mkt Cap \$B	4.51	2.34	4.26
ROE	9.82	9.41	13.34

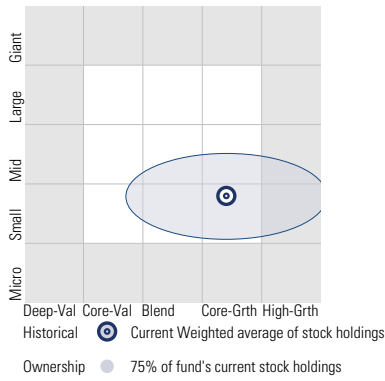
# Vanguard Small Cap Growth Index Admiral VSGAX

**Morningstar Category**  
Small Growth

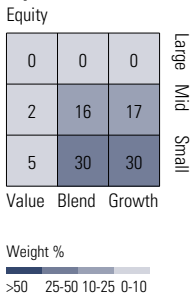
**Morningstar Index**  
Russell 2000 Growth TR USD

## Style Analysis as of 06-30-2022

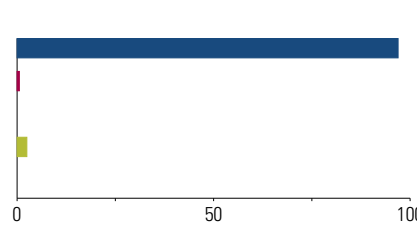
Morningstar Style Box™



## Style Breakdown

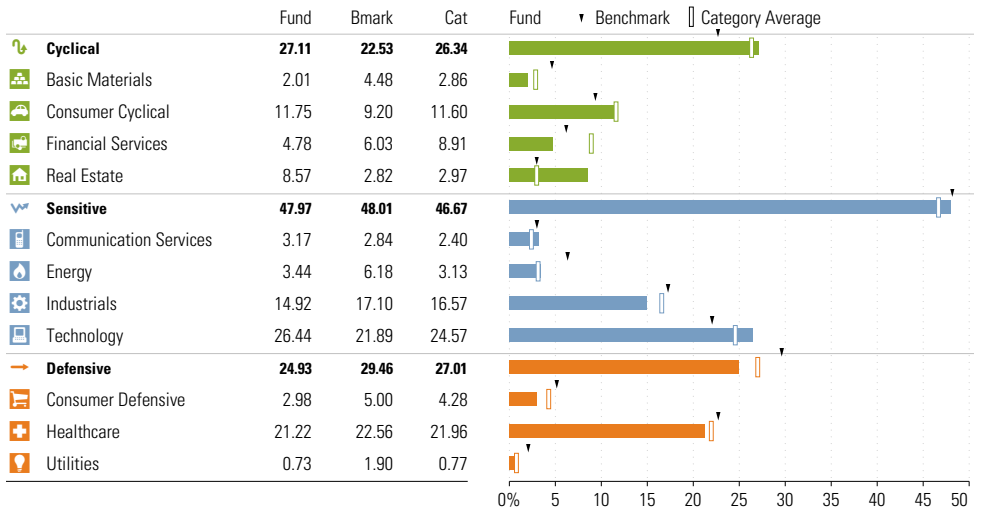


## Asset Allocation as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	96.94	92.67
Non-US Stocks	0.57	4.10
Bonds	0.00	0.00
Cash	2.48	2.79
Other	0.00	0.44
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2022



## Top 15 Holdings as of 06-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Slcmt1142	2.30	2.30	-	-
Bio-Techne Corp	0.77	3.07	-32.87	Healthcare
Entegris Inc	0.70	3.77	-33.37	Technology
Liberty Formula One Group C	0.70	4.47	0.36	Communication Svc
Equity Lifestyle Properties Inc	0.66	5.13	-18.67	Real Estate
PTC Inc	0.63	5.76	-12.22	Technology
Nordson Corp	0.59	6.36	-20.30	Industrials
Fair Isaac Corp	0.59	6.94	-7.56	Technology
Graco Inc	0.57	7.51	-25.79	Industrials
American Homes 4 Rent Class A	0.56	8.07	-17.91	Real Estate
Darling Ingredients Inc	0.54	8.61	-13.70	Consumer Defensive
CubeSmart	0.54	9.15	-23.42	Real Estate
Rexford Industrial Realty Inc	0.54	9.68	-28.22	Real Estate
Neurocrine Biosciences Inc	0.52	10.21	14.45	Healthcare
Texas Pacific Land Corp	0.52	10.73	21.23	Energy

**Total Holdings 719**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Small Cap Value Index Admiral VSIAX

**Morningstar Category**  
Small Value

**Morningstar Index**  
Russell 2000 Value TR USD

## Portfolio Manager(s)

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

## Quantitative Screens

✔ **Performance:** The fund has finished in the Small 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 6.18 years.

✔ **Style:** The fund has landed in its primary style box — Small Value — 91.43 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.07 is 93.91% 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	4	05-31-2022
Carbon Risk Score	Medium Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

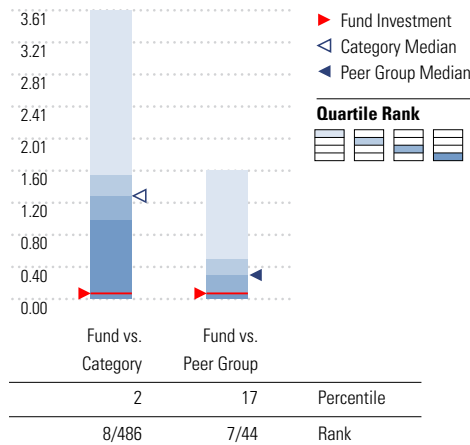
## Growth of \$10,000



## 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	0.78	-	1.18
Beta	0.95	-	1.00
R-Squared	97.67	-	94.61
Standard Deviation	24.54	25.46	26.04
Sharpe Ratio	0.37	0.34	0.38
Tracking Error	3.94	-	6.34
Information Ratio	0.15	-	0.15
Up Capture Ratio	95.50	-	100.19
Down Capture Ratio	93.13	-	97.21

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	10.29	9.61	10.58
Price/Book Ratio	1.63	1.19	1.41
Geom Avg Mkt Cap \$B	4.75	1.72	3.51
ROE	17.62	7.65	14.54

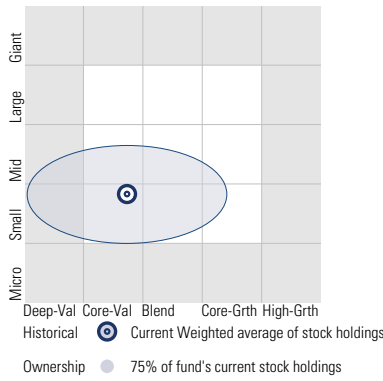
# Vanguard Small Cap Value Index Admiral VSIAX

**Morningstar Category**  
Small Value

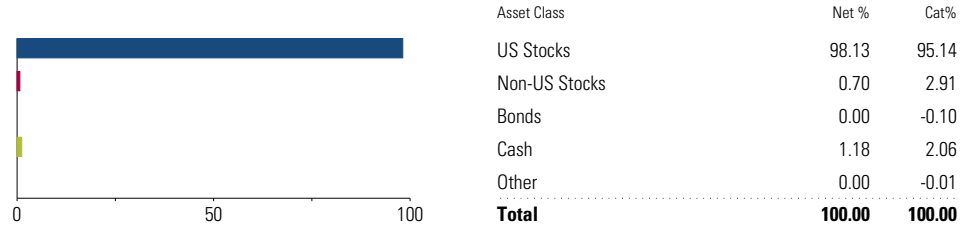
**Morningstar Index**  
Russell 2000 Value TR USD

## Style Analysis as of 06-30-2022

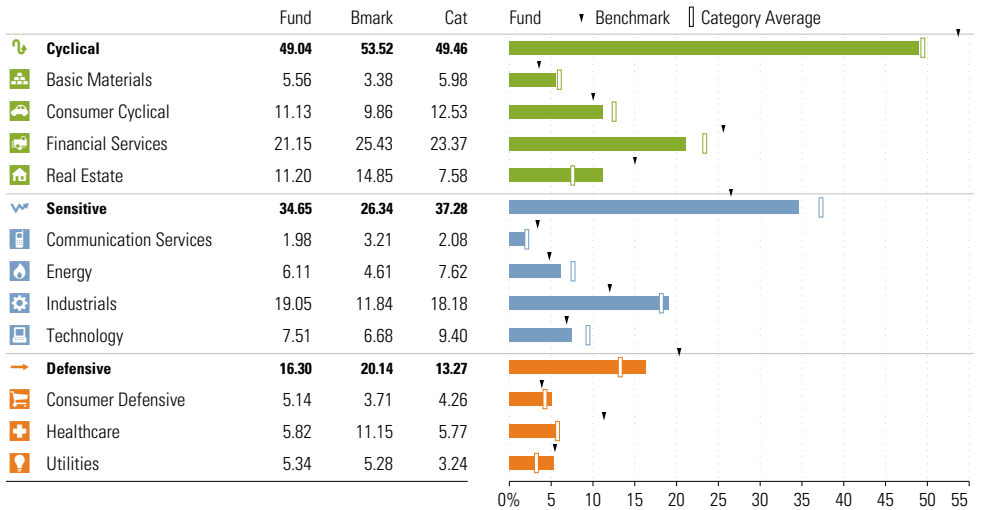
Morningstar Style Box™



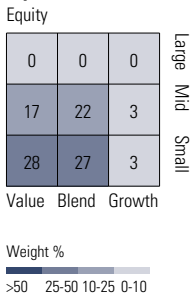
## Asset Allocation as of 06-30-2022



## Sector Weighting as of 06-30-2022



## Style Breakdown



## Top 15 Holdings as of 06-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Slcmt1142	0.94	0.94	—	—
⊕ Quanta Services Inc	0.70	1.64	9.50	Industrials
⊕ Molina Healthcare Inc	0.64	2.28	-12.09	Healthcare
⊕ Atmos Energy Corp	0.61	2.88	8.29	Utilities
⊕ IDEX Corp	0.54	3.42	-22.66	Industrials
⊕ Bunge Ltd	0.54	3.96	-1.74	Consumer Defensive
⊕ Brown & Brown Inc	0.51	4.47	-16.70	Financial Services
⊕ Carlisle Companies Inc	0.48	4.95	-3.40	Industrials
⊕ Kimco Realty Corp	0.48	5.42	-18.22	Real Estate
⊕ Booz Allen Hamilton Holding Corp Class A	0.46	5.89	7.58	Industrials
⊖ Steel Dynamics Inc	0.46	6.35	7.67	Basic Materials
⊕ Howmet Aerospace Inc	0.46	6.81	-1.07	Industrials
⊕ APA Corp	0.46	7.27	30.72	Energy
⊕ First Horizon Corp	0.45	7.72	35.70	Financial Services
⊕ Ovintiv Inc	0.44	8.17	32.46	Energy

**Total Holdings 901**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2020 Fund VTWNX

**Morningstar Category**  
Target-Date 2020

**Morningstar Index**  
Morningstar Lifetime Mod 2020 TR USD

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2020 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 9.36 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 0.08 is 87.5% lower than the Target-Date 2020 category average.

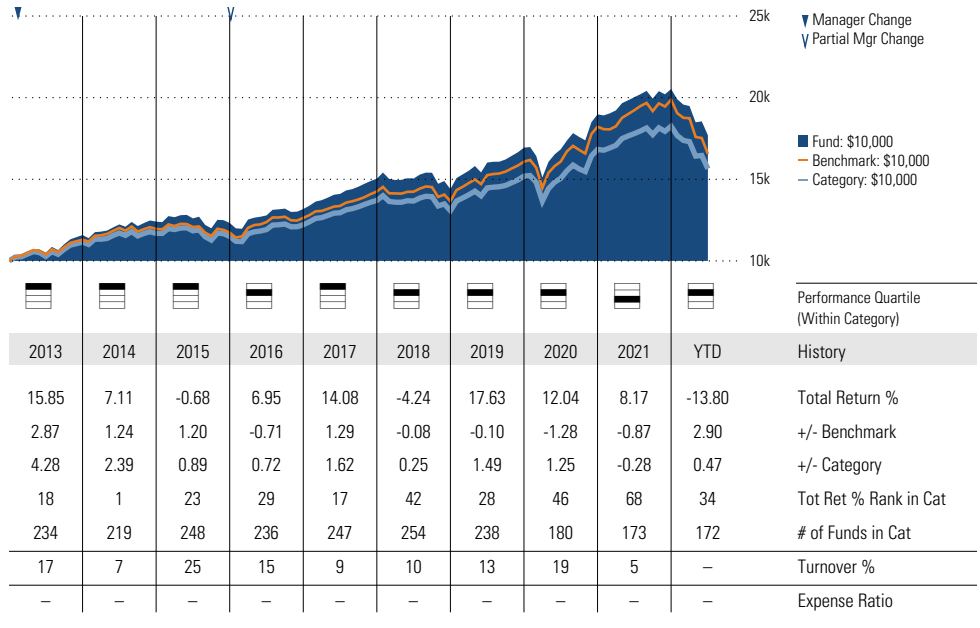
## Morningstar Investment Management LLC Analysis

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.

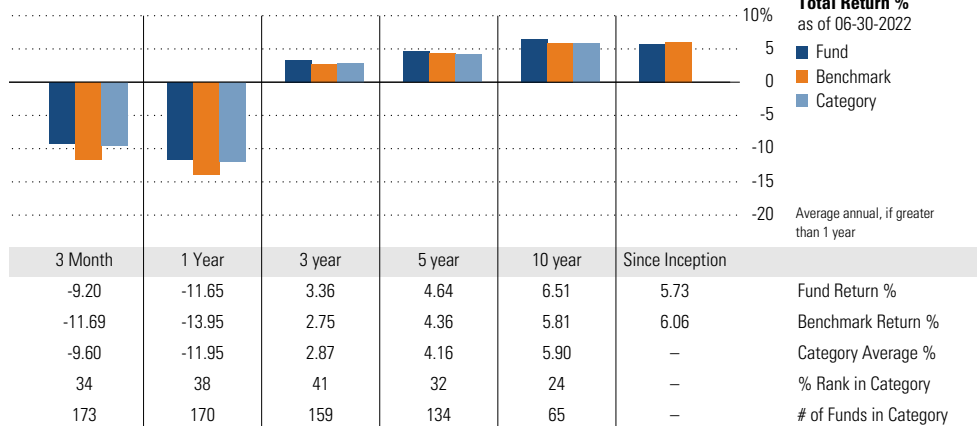
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
ESG Commitment	1-Low	02-15-2022

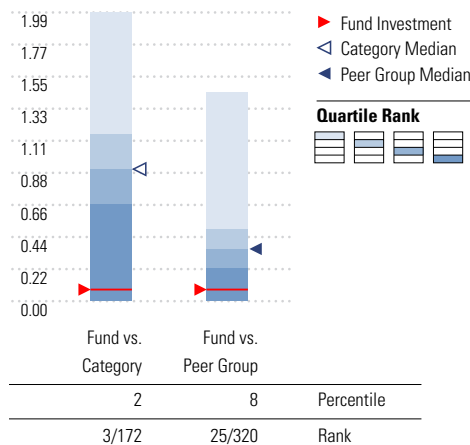
## Growth of \$10,000



## 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	0.79	-	0.20
Beta	0.92	-	0.91
R-Squared	98.10	-	95.98
Standard Deviation	9.81	10.61	9.84
Sharpe Ratio	0.33	0.25	0.26
Tracking Error	1.62	-	2.31
Information Ratio	0.38	-	0.02
Up Capture Ratio	93.18	-	89.71
Down Capture Ratio	87.05	-	87.91

## Portfolio Metrics

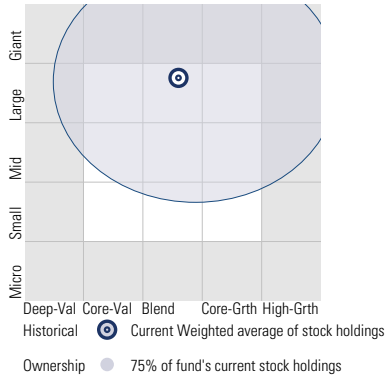
	Fund	Bmark	Cat
Price/Earnings Ratio	14.30	15.09	15.28
Price/Book Ratio	2.14	2.24	2.32
Avg Eff Duration	6.25	-	5.88

# Vanguard Target Retirement 2020 Fund VTWNX

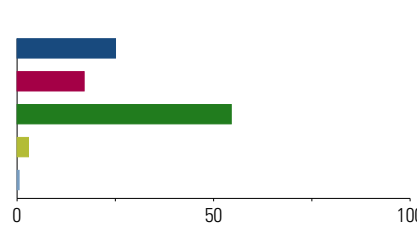
**Morningstar Category**  
Target-Date 2020

**Morningstar Index**  
Morningstar Lifetime Mod 2020 TR USD

**Style Analysis** as of 06-30-2022  
Morningstar Style Box™

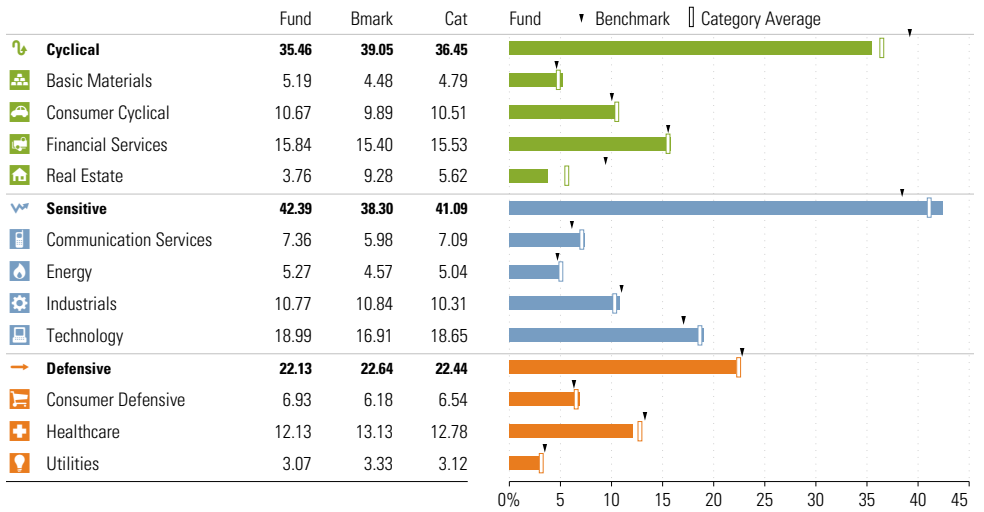


**Asset Allocation** as of 06-30-2022

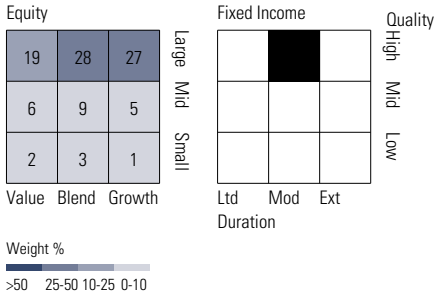


Asset Class	Net %	Cat%
US Stocks	25.04	26.18
Non-US Stocks	17.06	14.33
Bonds	54.49	47.75
Cash	2.90	3.18
Other	0.51	8.56
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2022



**Style Breakdown**



**Top 7 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Bond Market II Idx Inv	-	31.43	31.43	-	-
⊖ Vanguard Total Stock Mkt Idx Instl Pls	-	25.38	56.81	-	-
⊖ Vanguard Total Intl Stock Index Inv	-	17.48	74.28	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	14.00	88.29	-	-
⊖ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	-	10.59	98.88	-	-
⊖ Mktliq 12/31/2049	-	1.12	100.00	-	-
⊕ Us Dollar	-	0.00	100.00	-	-

**Total Holdings 7**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2025 Fund VTTVX

**Morningstar Category**  
Target-Date 2025

**Morningstar Index**  
Morningstar Lifetime Mod 2025 TR USD

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2025 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 9.36 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 0.08 is 88.06% lower than the Target-Date 2025 category average.

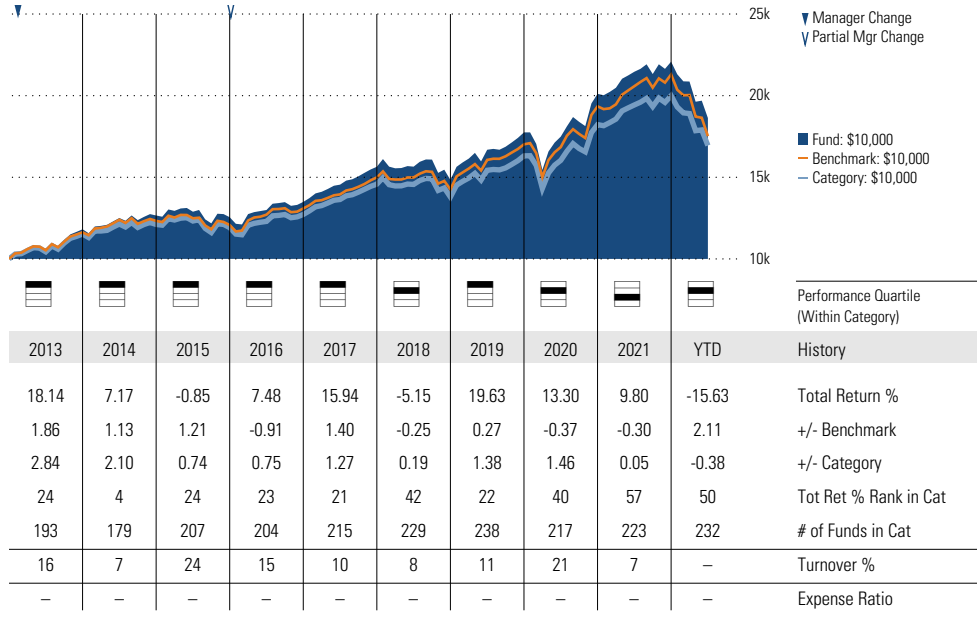
## Morningstar Investment Management LLC Analysis

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	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

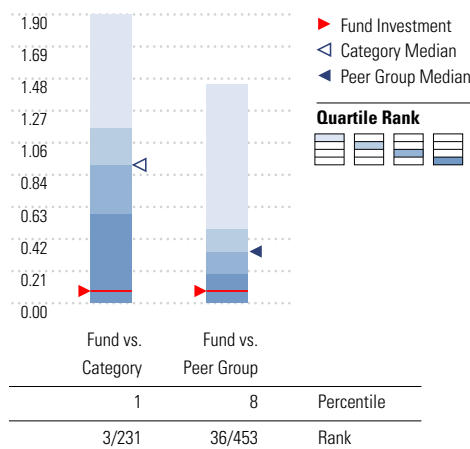
## Growth of \$10,000



## 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	0.85	-	0.45
Beta	0.97	-	0.92
R-Squared	98.54	-	96.81
Standard Deviation	11.54	11.75	11.00
Sharpe Ratio	0.32	0.25	0.28
Tracking Error	1.43	-	2.34
Information Ratio	0.57	-	0.18
Up Capture Ratio	100.67	-	93.67
Down Capture Ratio	95.10	-	90.72

## Portfolio Metrics

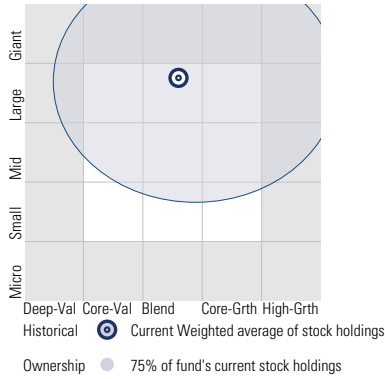
	Fund	Bmark	Cat
Price/Earnings Ratio	14.31	14.95	15.35
Price/Book Ratio	2.15	2.21	2.34
Avg Eff Duration	6.77	-	6.65

# Vanguard Target Retirement 2025 Fund VTTVX

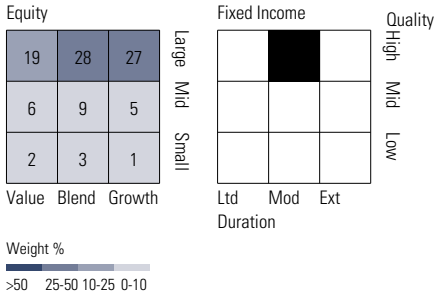
**Morningstar Category**  
Target-Date 2025

**Morningstar Index**  
Morningstar Lifetime Mod 2025 TR USD

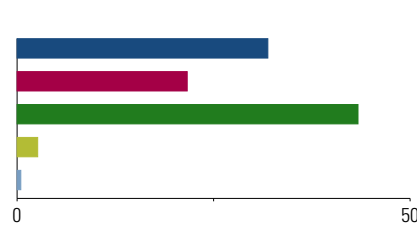
**Style Analysis** as of 06-30-2022  
Morningstar Style Box™



**Style Breakdown**

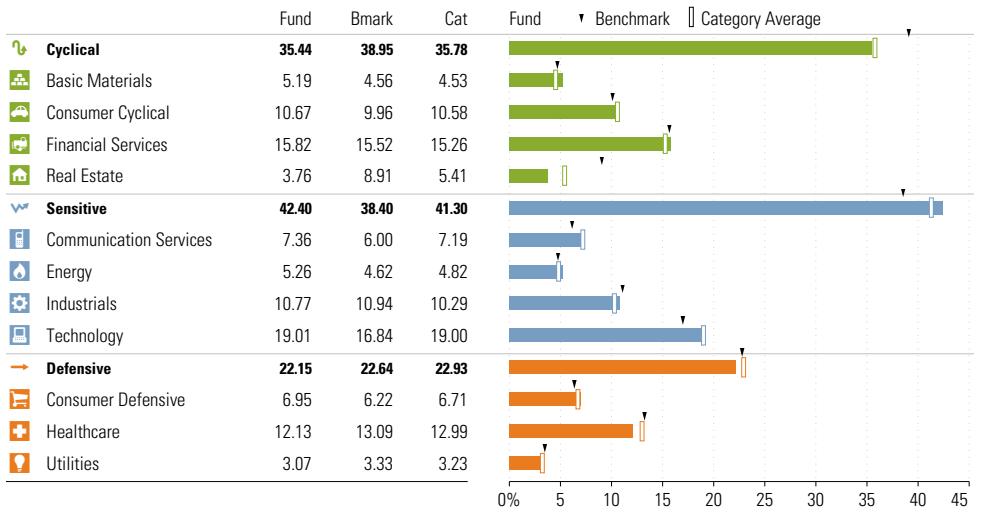


**Asset Allocation** as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	31.90	30.47
Non-US Stocks	21.64	15.59
Bonds	43.37	37.86
Cash	2.62	3.44
Other	0.47	12.65
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2022



**Top 7 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Instl Pls	-	32.33	32.33	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	28.58	60.90	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	22.17	83.07	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	12.67	95.75	-	-
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	-	3.15	98.89	-	-
⊖ Mktliq 12/31/2049	-	1.11	100.00	-	-
⊕ Us Dollar	-	0.00	100.01	-	-

**Total Holdings 7**

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# Vanguard Target Retirement 2030 Fund VTHRX

**Morningstar Category**  
Target-Date 2030

**Morningstar Index**  
Morningstar Lifetime Mod 2030 TR USD

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2030 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 9.36 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 0.08 is 88.24% lower than the Target-Date 2030 category average.

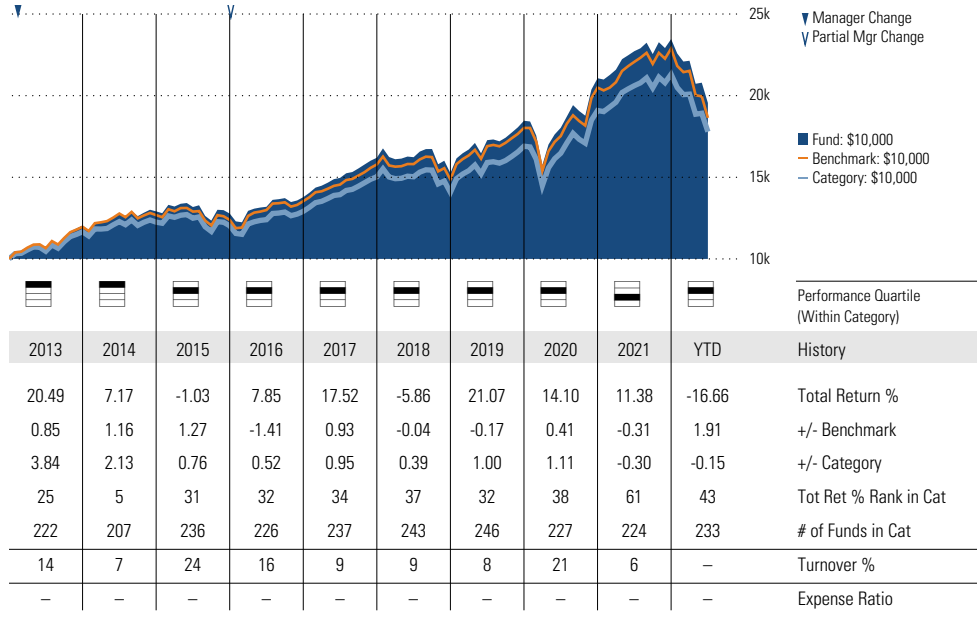
## Morningstar Investment Management LLC Analysis

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.

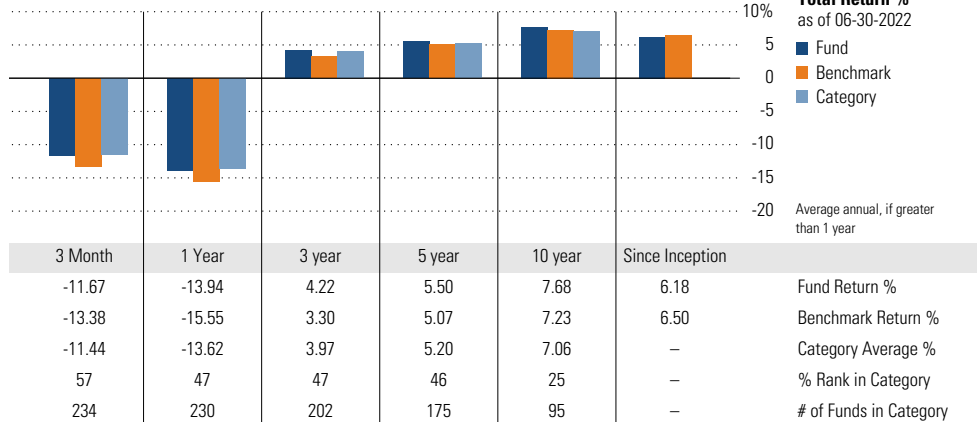
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

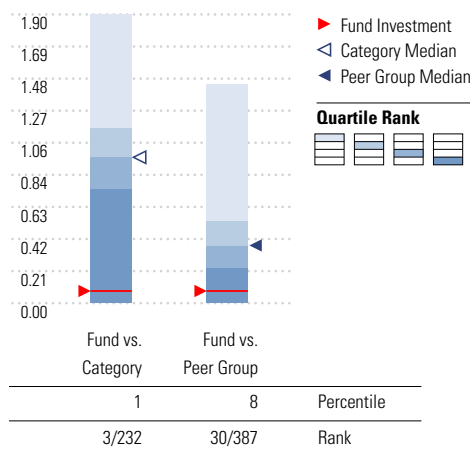
## Growth of \$10,000



## 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	-	0.68
Beta	0.97	-	0.95
R-Squared	99.07	-	97.91
Standard Deviation	12.82	13.22	12.65
Sharpe Ratio	0.34	0.27	0.31
Tracking Error	1.32	-	2.12
Information Ratio	0.70	-	0.32
Up Capture Ratio	100.14	-	97.49
Down Capture Ratio	94.47	-	93.63

## Portfolio Metrics

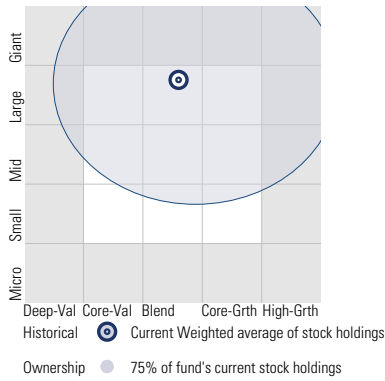
	Fund	Bmark	Cat
Price/Earnings Ratio	14.31	14.80	15.36
Price/Book Ratio	2.15	2.19	2.38
Avg Eff Duration	7.08	-	6.64

# Vanguard Target Retirement 2030 Fund VTHRX

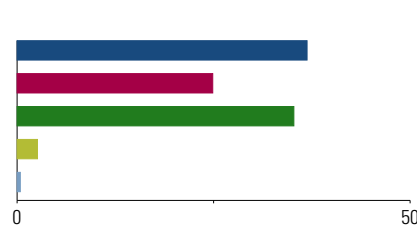
**Morningstar Category**  
Target-Date 2030

**Morningstar Index**  
Morningstar Lifetime Mod 2030 TR USD

**Style Analysis** as of 06-30-2022  
Morningstar Style Box™

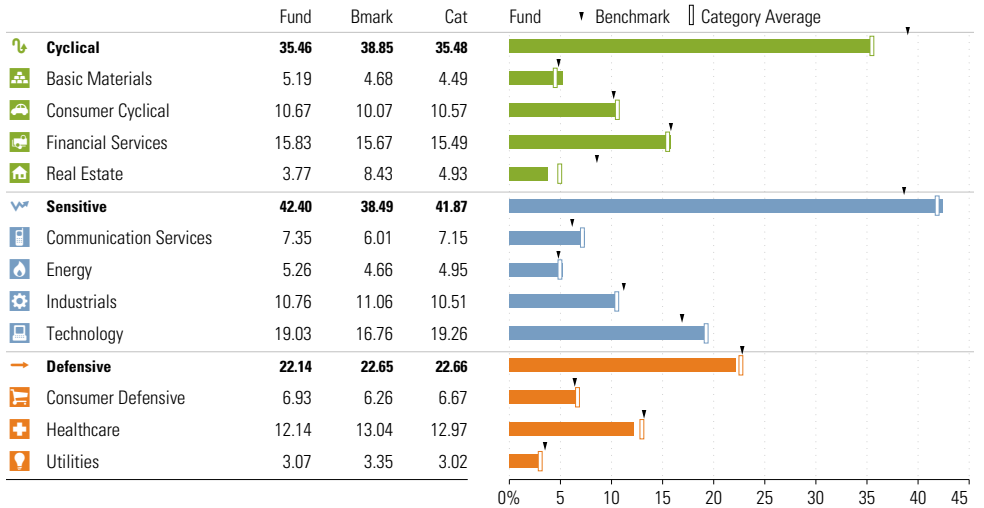


**Asset Allocation** as of 06-30-2022

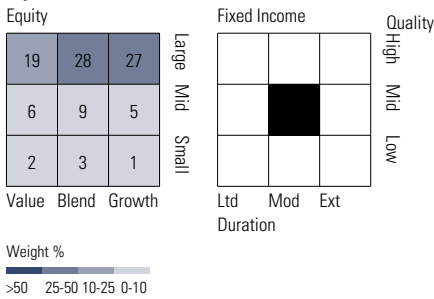


Asset Class	Net %	Cat%
US Stocks	36.89	37.57
Non-US Stocks	24.89	18.18
Bonds	35.21	28.20
Cash	2.59	2.28
Other	0.41	13.77
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2022



**Style Breakdown**



**Top 6 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	37.38	37.38	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	25.49	62.88	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	24.97	87.85	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	10.99	98.84	-	-
⊕ Mktliq 12/31/2049	-	1.17	100.00	-	-
⊕ Us Dollar	-	0.00	100.01	-	-

**Total Holdings 6**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2035 Fund VTTX

**Morningstar Category**  
Target-Date 2035

**Morningstar Index**  
Morningstar Lifetime Mod 2035 TR USD

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2035 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 9.36 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 0.08 is 88.41% lower than the Target-Date 2035 category average.

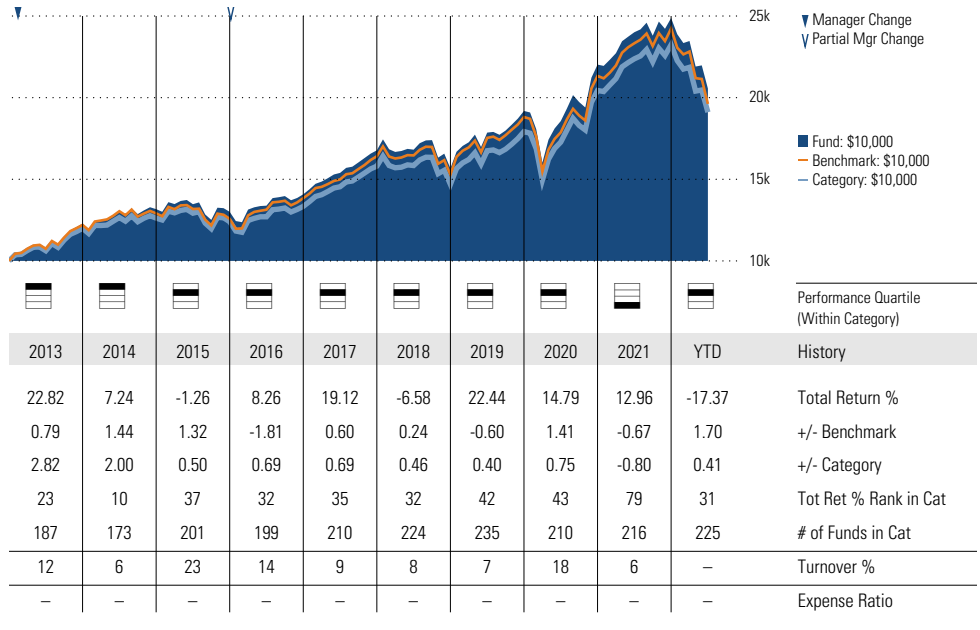
## Morningstar Investment Management LLC Analysis

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.

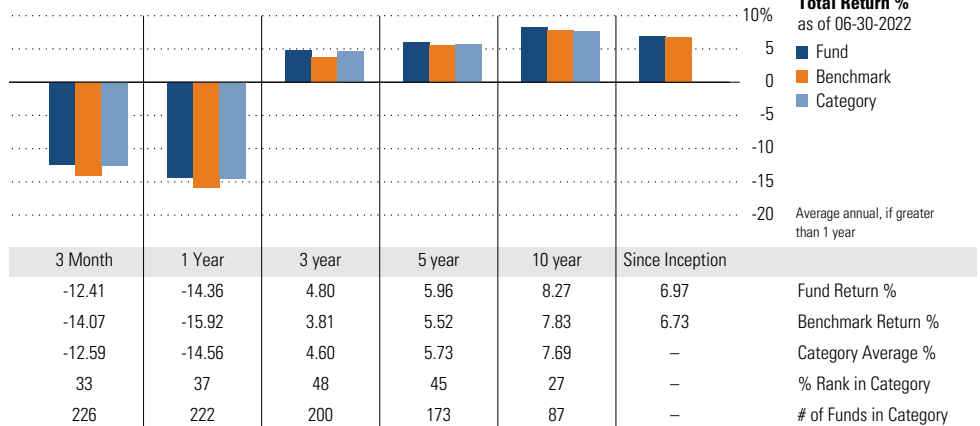
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

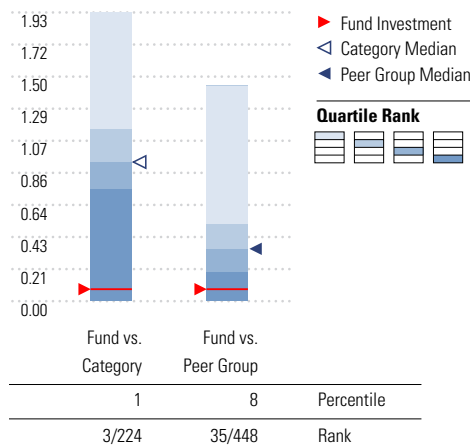
## Growth of \$10,000



## 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	1.12	-	0.86
Beta	0.94	-	0.96
R-Squared	99.34	-	98.36
Standard Deviation	14.06	14.88	14.37
Sharpe Ratio	0.36	0.29	0.34
Tracking Error	1.43	-	2.09
Information Ratio	0.70	-	0.44
Up Capture Ratio	97.53	-	98.73
Down Capture Ratio	91.71	-	94.43

## Portfolio Metrics

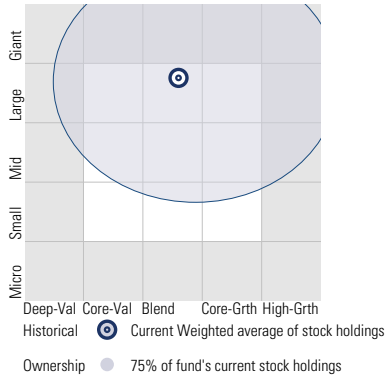
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	14.31	14.66	15.28
Price/Book Ratio	2.15	2.16	2.34
Avg Eff Duration	7.08	-	6.63

# Vanguard Target Retirement 2035 Fund VTTX

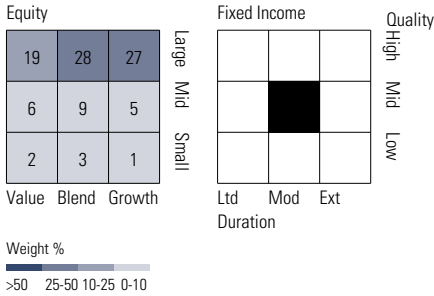
**Morningstar Category**  
Target-Date 2035

**Morningstar Index**  
Morningstar Lifetime Mod 2035 TR USD

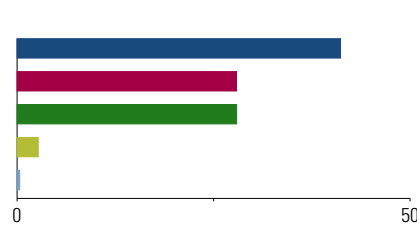
**Style Analysis** as of 06-30-2022  
Morningstar Style Box™



**Style Breakdown**

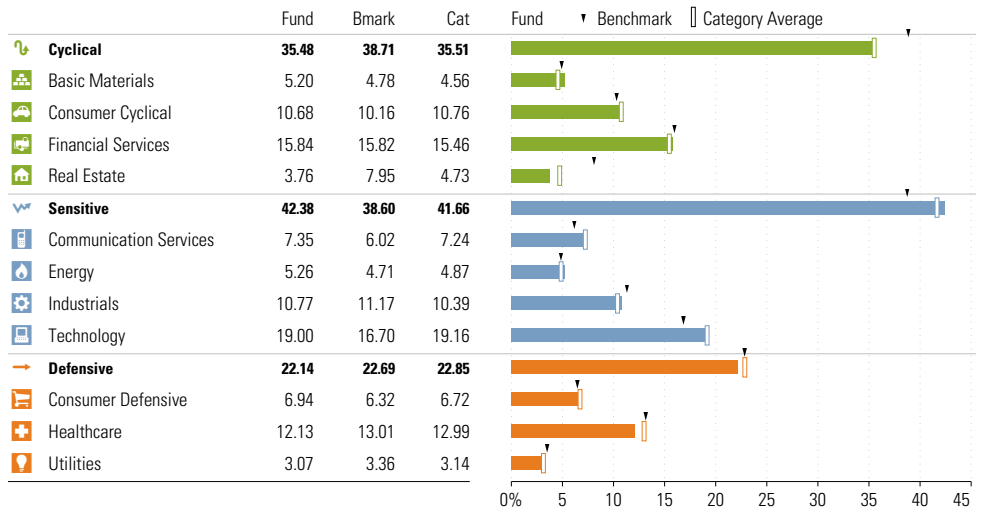


**Asset Allocation** as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	41.15	43.47
Non-US Stocks	27.91	22.72
Bonds	27.93	19.22
Cash	2.69	2.45
Other	0.33	12.14
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2022



**Top 6 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	41.70	41.70	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	28.59	70.28	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	19.78	90.06	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	8.74	98.80	-	-
⊕ Mktliq 12/31/2049	-	1.23	100.03	-	-
⊕ Us Dollar	-	0.03	100.07	-	-

**Total Holdings 6**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2040 Fund VFORX

**Morningstar Category**  
Target-Date 2040

**Morningstar Index**  
Morningstar Lifetime Mod 2040 TR USD

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2040 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 9.36 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 0.08 is 88.57% lower than the Target-Date 2040 category average.

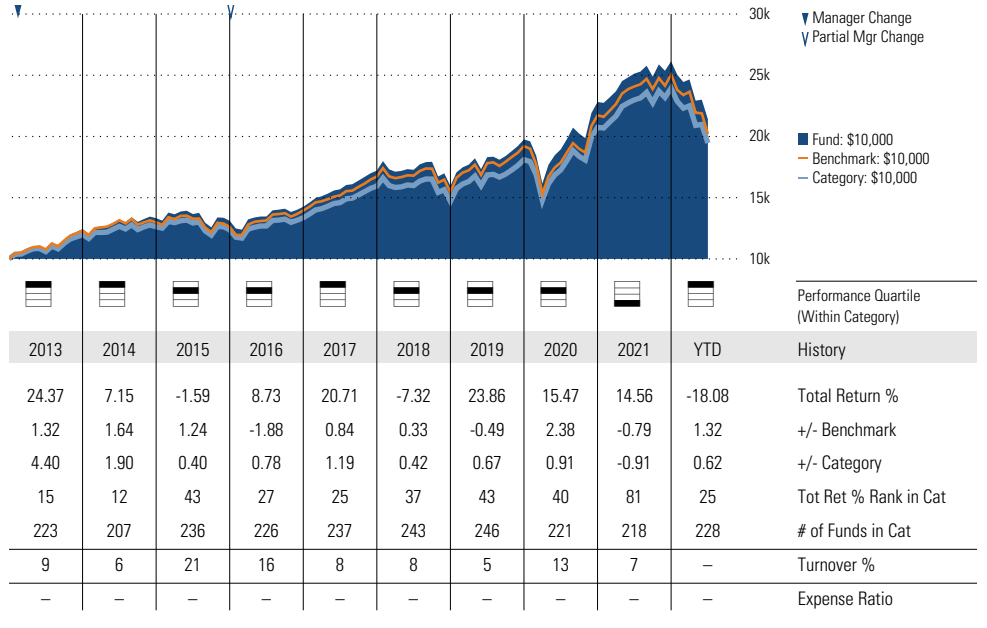
## Morningstar Investment Management LLC Analysis

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.

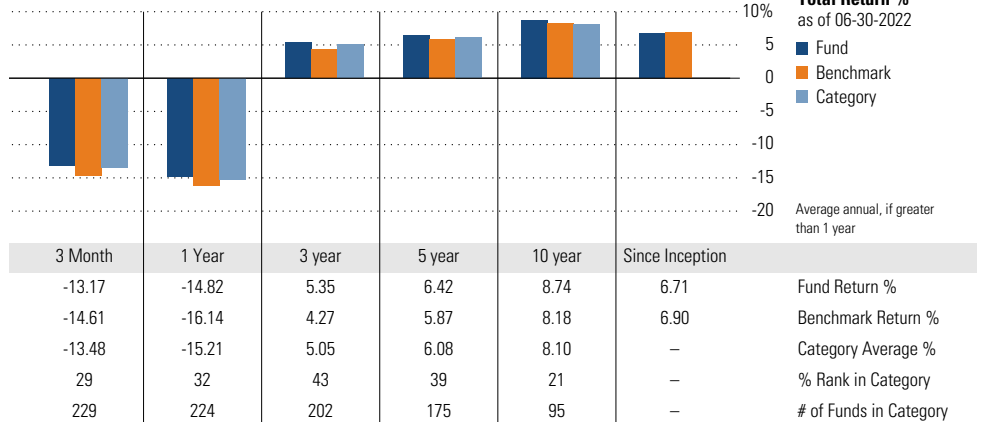
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

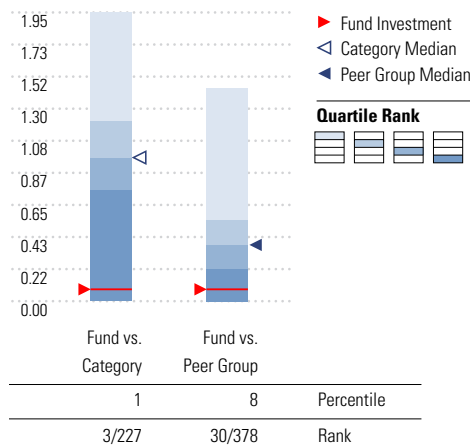
## Growth of \$10,000



## 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	1.24	-	0.87
Beta	0.93	-	0.95
R-Squared	99.30	-	98.43
Standard Deviation	15.30	16.33	15.67
Sharpe Ratio	0.38	0.30	0.35
Tracking Error	1.68	-	2.18
Information Ratio	0.64	-	0.41
Up Capture Ratio	96.90	-	98.23
Down Capture Ratio	91.09	-	94.31

## Portfolio Metrics

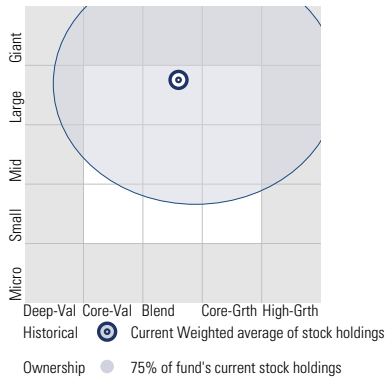
	Fund	Bmark	Cat
Price/Earnings Ratio	14.31	14.53	15.18
Price/Book Ratio	2.15	2.13	2.31
Avg Eff Duration	7.08	-	6.62

# Vanguard Target Retirement 2040 Fund VFORX

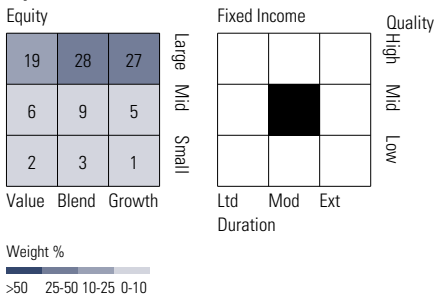
**Morningstar Category**  
Target-Date 2040

**Morningstar Index**  
Morningstar Lifetime Mod 2040 TR USD

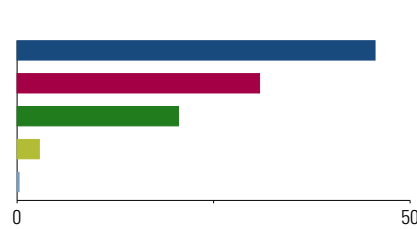
**Style Analysis** as of 06-30-2022  
Morningstar Style Box™



**Style Breakdown**

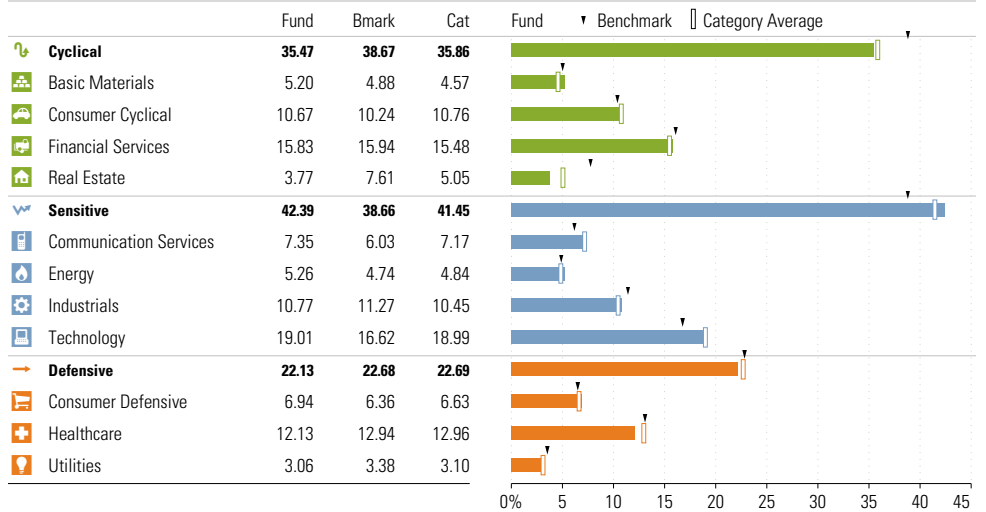


**Asset Allocation** as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	45.54	49.58
Non-US Stocks	30.85	26.56
Bonds	20.53	11.76
Cash	2.83	1.92
Other	0.25	10.17
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2022



**Top 6 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Instl Pls	-	46.15	46.15	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	31.60	77.75	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	14.60	92.35	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	6.36	98.71	-	-
⊕ Mktliq 12/31/2049	-	1.29	100.00	-	-
⊕ Us Dollar	-	0.00	100.01	-	-

**Total Holdings 6**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2045 Fund VTIVX

**Morningstar Category**  
Target-Date 2045

**Morningstar Index**  
Morningstar Lifetime Mod 2045 TR USD

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2045 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 9.36 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 0.08 is 88.57% lower than the Target-Date 2045 category average.

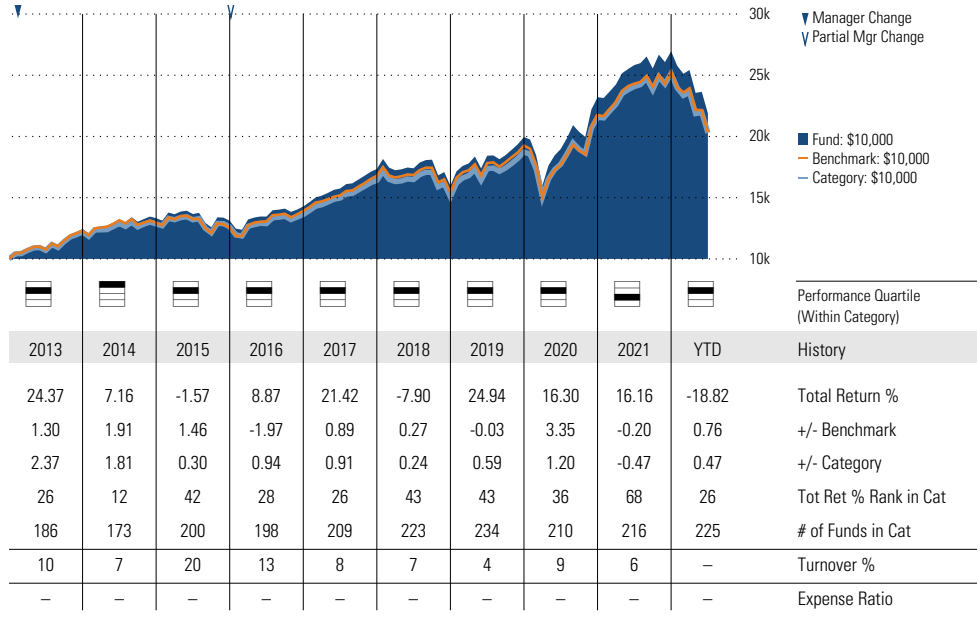
## Morningstar Investment Management LLC Analysis

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.

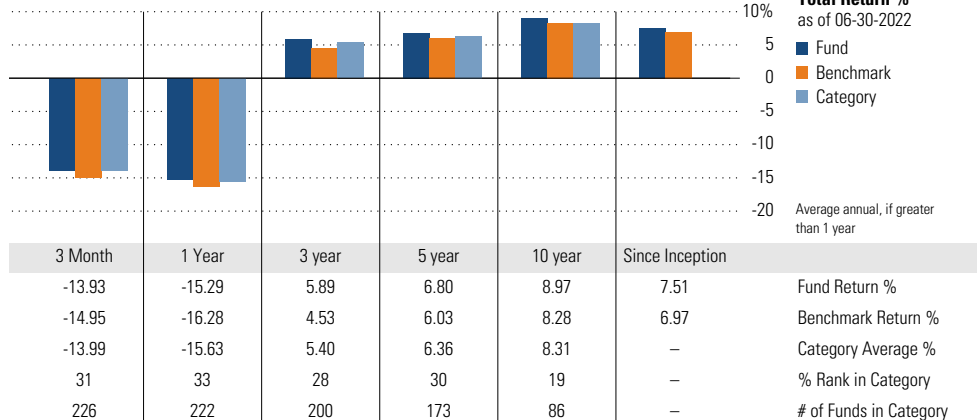
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

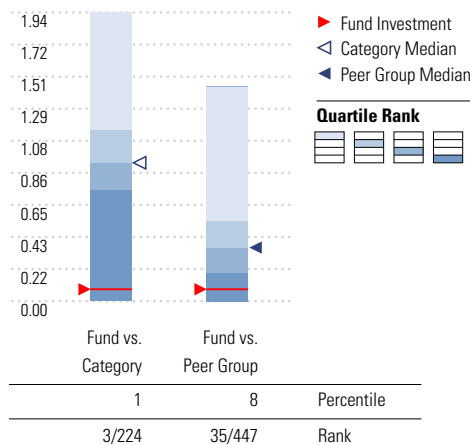
## Growth of \$10,000



## 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	1.43	-	0.91
Beta	0.96	-	0.95
R-Squared	99.20	-	98.38
Standard Deviation	16.55	17.20	16.52
Sharpe Ratio	0.39	0.31	0.36
Tracking Error	1.65	-	2.24
Information Ratio	0.83	-	0.41
Up Capture Ratio	100.03	-	98.54
Down Capture Ratio	93.77	-	94.68

## Portfolio Metrics

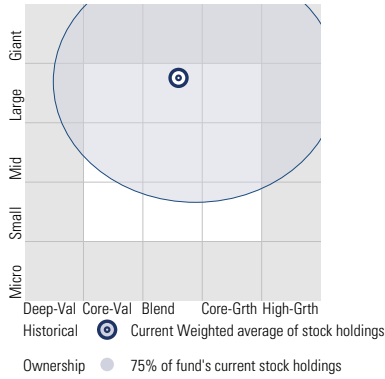
	Fund	Bmark	Cat
Price/Earnings Ratio	14.31	14.41	15.24
Price/Book Ratio	2.15	2.11	2.31
Avg Eff Duration	7.09	-	6.62

# Vanguard Target Retirement 2045 Fund VTIVX

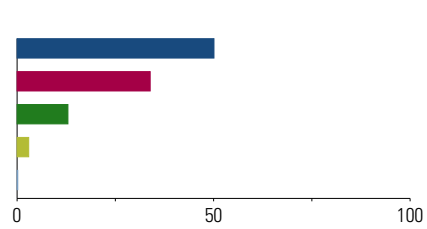
**Morningstar Category**  
Target-Date 2045

**Morningstar Index**  
Morningstar Lifetime Mod 2045 TR USD

**Style Analysis** as of 06-30-2022  
Morningstar Style Box™

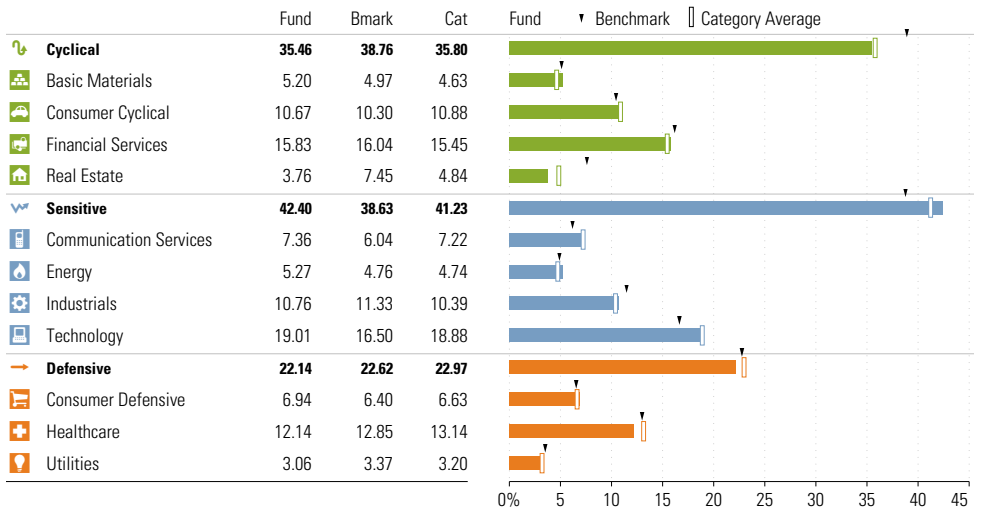


**Asset Allocation** as of 06-30-2022

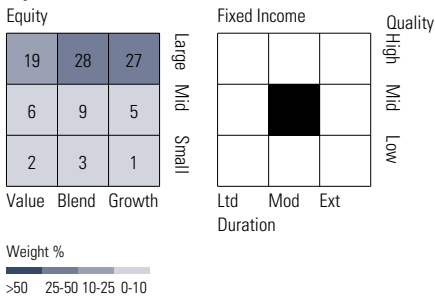


Asset Class	Net %	Cat%
US Stocks	50.09	52.43
Non-US Stocks	33.86	28.49
Bonds	12.93	6.70
Cash	2.95	2.03
Other	0.17	10.33
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2022



**Style Breakdown**



**Top 6 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	50.76	50.76	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	34.68	85.44	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	9.15	94.58	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	4.06	98.64	-	-
⊕ Mktliq 12/31/2049	-	1.35	99.99	-	-
⊖ Us Dollar	-	0.01	100.00	-	-

**Total Holdings 6**

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# Vanguard Target Retirement 2050 Fund VFI5X

**Morningstar Category**  
Target-Date 2050

**Morningstar Index**  
Morningstar Lifetime Mod 2050 TR USD

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2050 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 9.36 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 0.08 is 88.73% lower than the Target-Date 2050 category average.

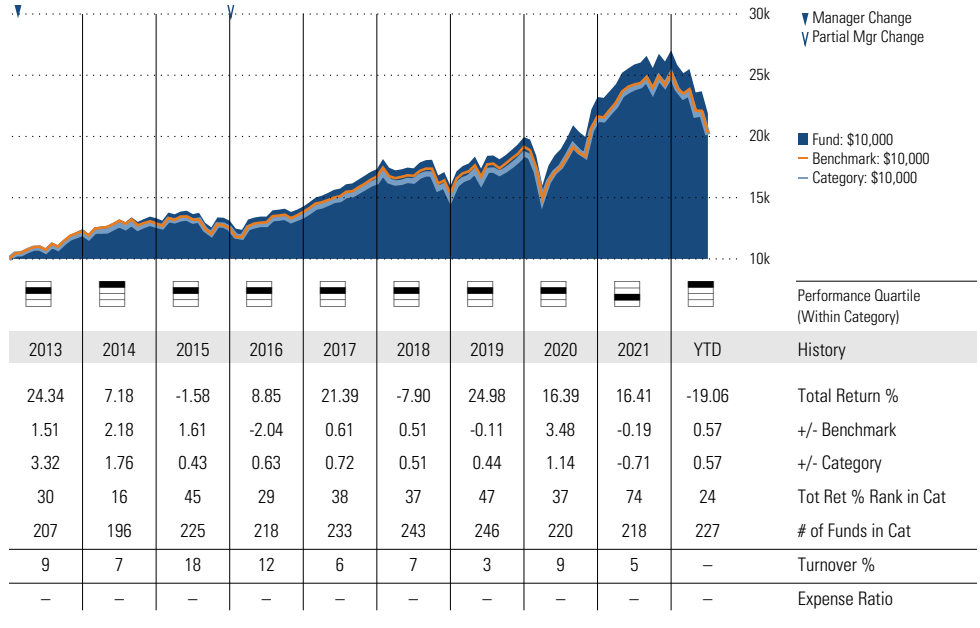
## Morningstar Investment Management LLC Analysis

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.

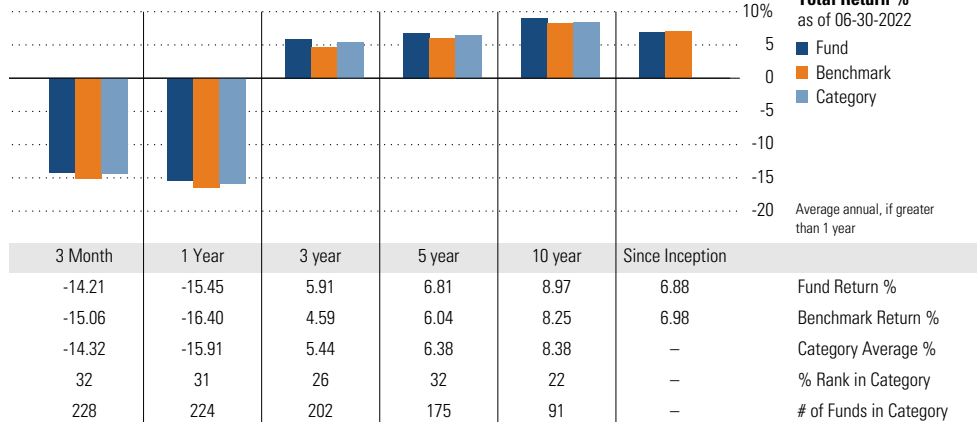
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

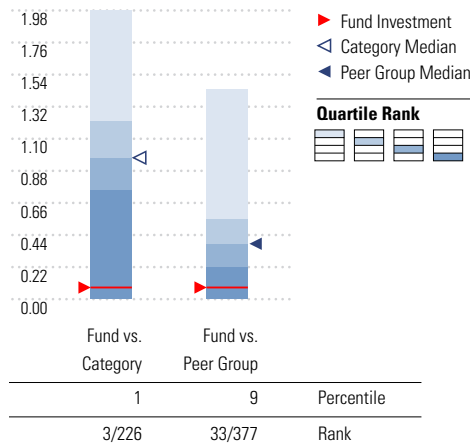
## Growth of \$10,000



## 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	1.43	-	0.88
Beta	0.95	-	0.95
R-Squared	99.12	-	98.30
Standard Deviation	16.64	17.52	16.86
Sharpe Ratio	0.39	0.31	0.36
Tracking Error	1.83	-	2.26
Information Ratio	0.72	-	0.36
Up Capture Ratio	99.07	-	98.79
Down Capture Ratio	92.95	-	95.18

## Portfolio Metrics

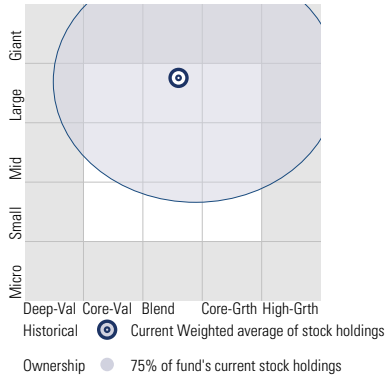
	Fund	Bmark	Cat
Price/Earnings Ratio	14.31	14.31	15.22
Price/Book Ratio	2.15	2.09	2.30
Avg Eff Duration	7.09	-	6.60

# Vanguard Target Retirement 2050 Fund VFIIFX

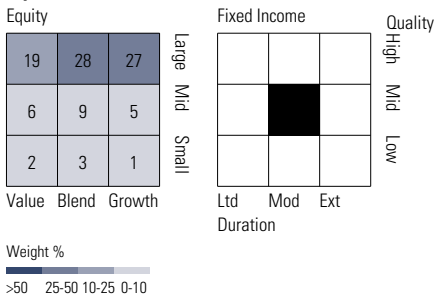
**Morningstar Category**  
Target-Date 2050

**Morningstar Index**  
Morningstar Lifetime Mod 2050 TR USD

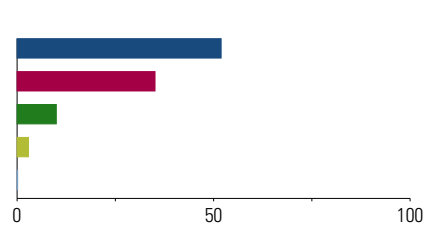
**Style Analysis** as of 06-30-2022  
Morningstar Style Box™



**Style Breakdown**

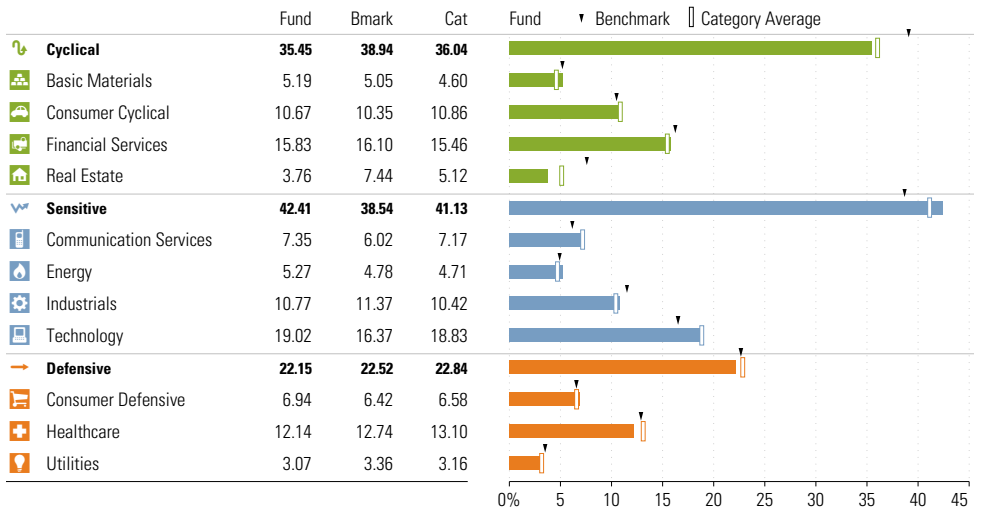


**Asset Allocation** as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	51.91	54.81
Non-US Stocks	35.09	29.45
Bonds	9.97	4.74
Cash	2.89	1.94
Other	0.14	9.06
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2022



**Top 6 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	52.61	52.61	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.94	88.55	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	7.00	95.55	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	3.18	98.73	-	-
⊕ Mktliq 12/31/2049	-	1.26	99.99	-	-
⊖ Us Dollar	-	0.01	100.00	-	-

**Total Holdings 6**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2055 Fund VFFVX

**Morningstar Category**  
Target-Date 2055

**Morningstar Index**  
Morningstar Lifetime Mod 2055 TR USD

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2055 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 9.36 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 0.08 is 88.73% lower than the Target-Date 2055 category average.

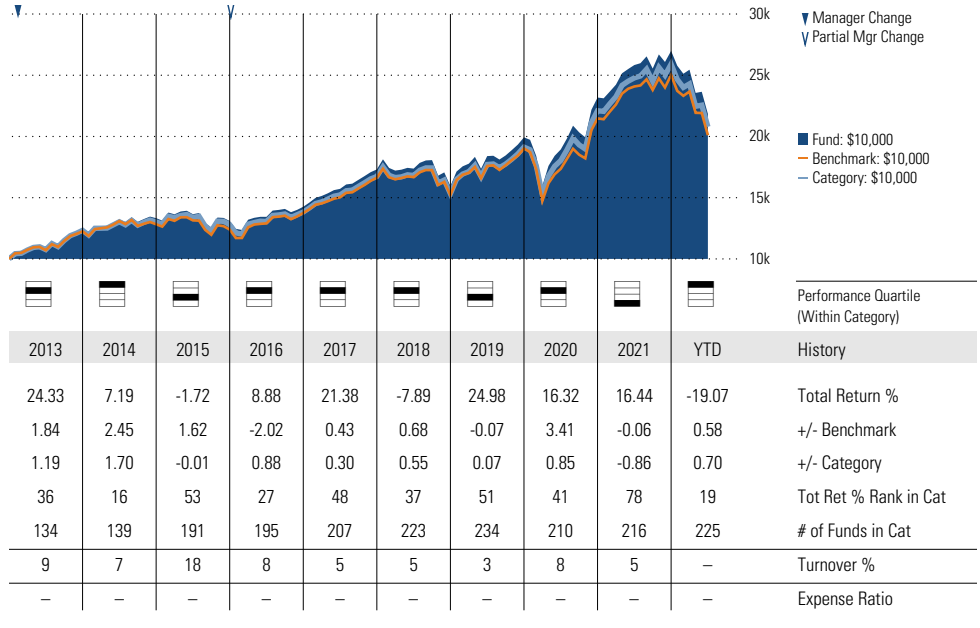
## Morningstar Investment Management LLC Analysis

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.

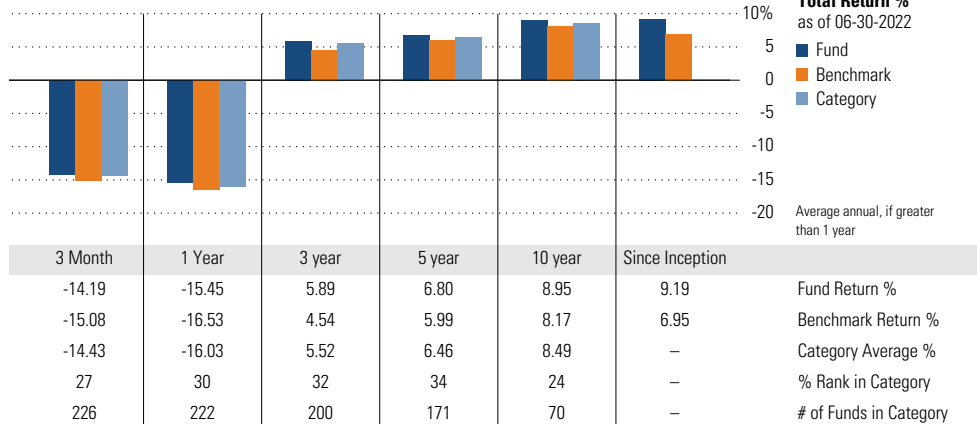
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

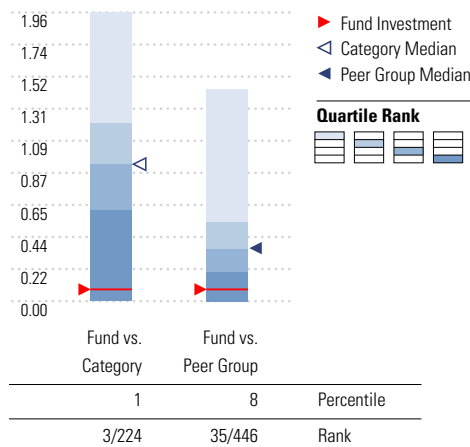
## Growth of \$10,000



## 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	1.46	-	0.97
Beta	0.94	-	0.96
R-Squared	99.07	-	98.23
Standard Deviation	16.65	17.60	17.00
Sharpe Ratio	0.39	0.31	0.36
Tracking Error	1.91	-	2.29
Information Ratio	0.70	-	0.41
Up Capture Ratio	98.79	-	99.50
Down Capture Ratio	92.55	-	95.53

## Portfolio Metrics

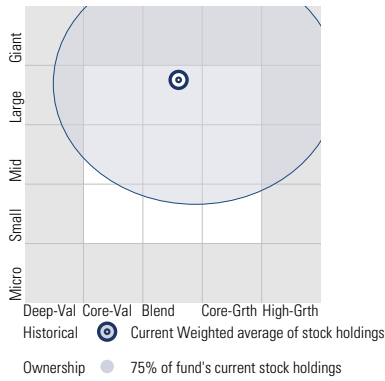
	Fund	Bmark	Cat
Price/Earnings Ratio	14.32	14.22	14.97
Price/Book Ratio	2.15	2.07	2.26
Avg Eff Duration	7.09	-	6.65

# Vanguard Target Retirement 2055 Fund VFFVX

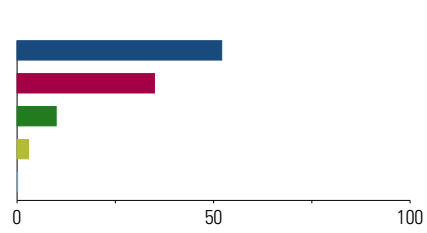
**Morningstar Category**  
Target-Date 2055

**Morningstar Index**  
Morningstar Lifetime Mod 2055 TR USD

**Style Analysis** as of 06-30-2022  
Morningstar Style Box™

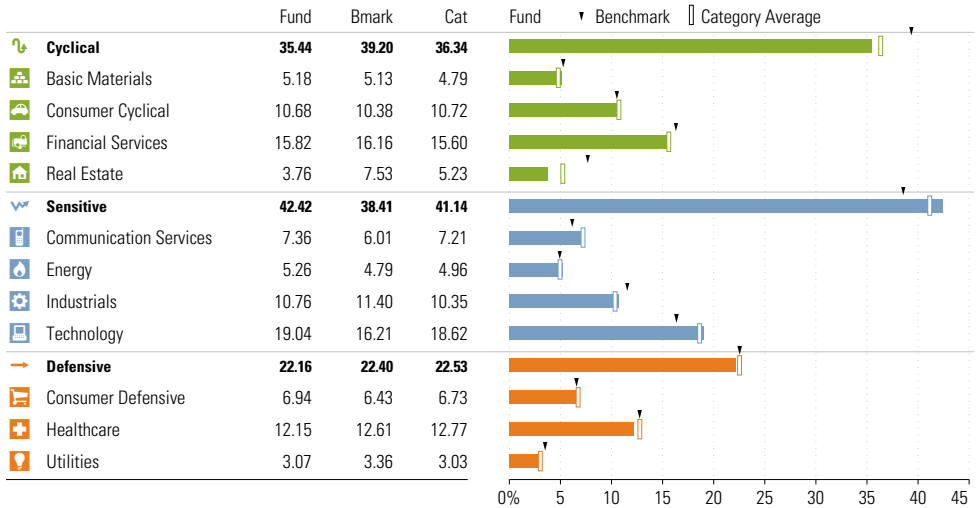


**Asset Allocation** as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	52.06	54.30
Non-US Stocks	34.94	32.10
Bonds	9.94	4.47
Cash	2.92	1.60
Other	0.14	7.53
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2022



**Style Breakdown**



**Top 6 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	52.76	52.76	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.79	88.54	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	6.99	95.53	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	3.16	98.70	-	-
⊕ Mktliq 12/31/2049	-	1.28	99.97	-	-
⊕ Us Dollar	-	0.03	100.00	-	-

**Total Holdings 6**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2060 Fund VTTSX

**Morningstar Category**  
Target-Date 2060

**Morningstar Index**  
Morningstar Mod Tgt Risk TR USD

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2060 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 9.36 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 0.08 is 88.73% lower than the Target-Date 2060 category average.

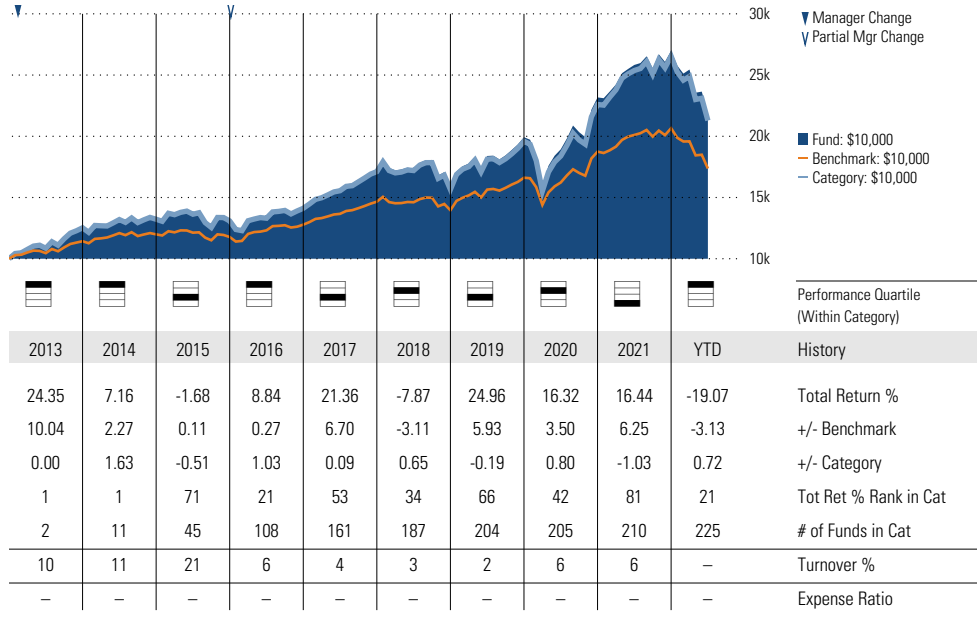
## Morningstar Investment Management LLC Analysis

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.

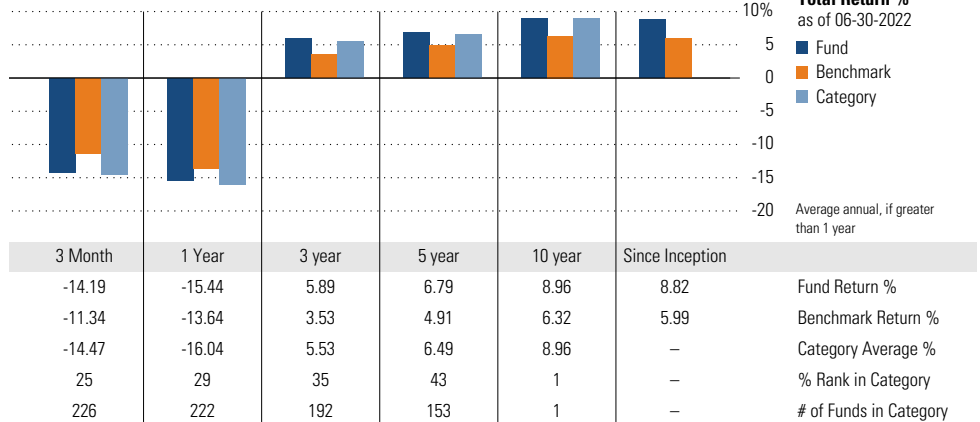
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

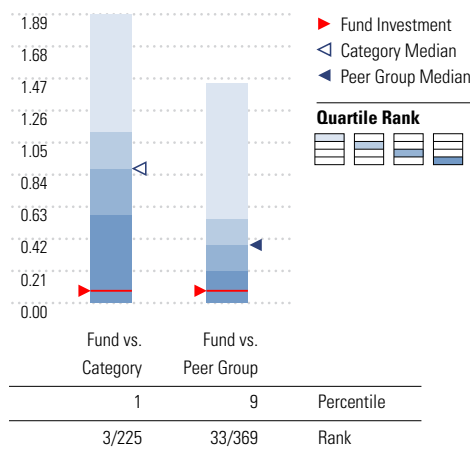
## Growth of \$10,000



## 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	1.30	-	0.77
Beta	1.39	-	1.43
R-Squared	98.81	-	97.82
Standard Deviation	16.62	11.88	17.14
Sharpe Ratio	0.39	0.30	0.36
Tracking Error	4.98	-	5.69
Information Ratio	0.47	-	0.33
Up Capture Ratio	145.95	-	148.03
Down Capture Ratio	139.35	-	145.16

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.32	14.03	15.26
Price/Book Ratio	2.15	2.04	2.33
Avg Eff Duration	7.09	-	6.56

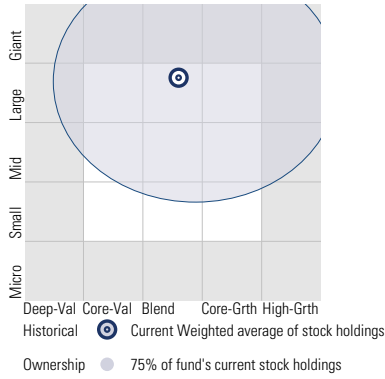
# Vanguard Target Retirement 2060 Fund VTTSX

**Morningstar Category**  
Target-Date 2060

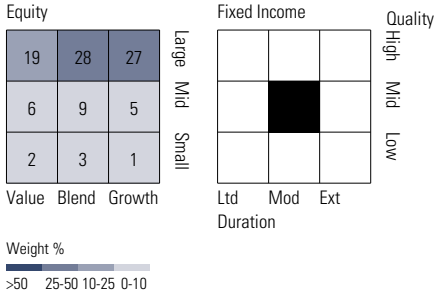
**Morningstar Index**  
Morningstar Mod Tgt Risk TR USD

## Style Analysis as of 06-30-2022

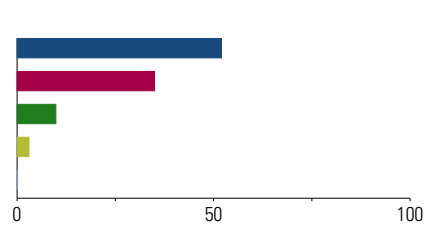
Morningstar Style Box™



## Style Breakdown

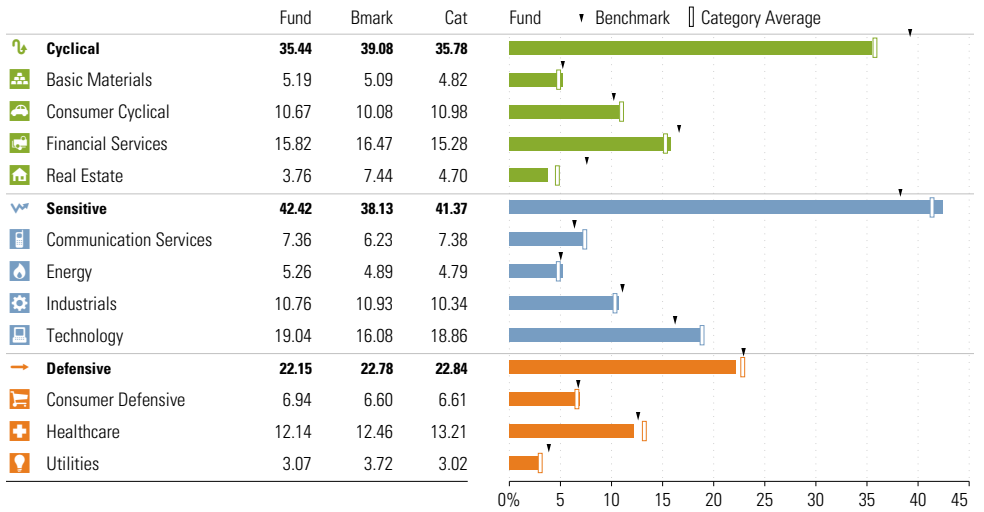


## Asset Allocation as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	52.02	55.87
Non-US Stocks	34.96	32.28
Bonds	9.86	4.46
Cash	3.02	2.12
Other	0.14	5.28
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2022



## Top 6 Holdings as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	52.72	52.72	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.81	88.53	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	6.95	95.48	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	3.12	98.59	-	-
⊕ Mktliq 12/31/2049	-	1.40	99.99	-	-
⊖ Us Dollar	-	0.01	100.00	-	-

## Total Holdings 6

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2065 Fund VLXVX

**Morningstar Category**  
Target-Date 2065+

**Morningstar Index**  
Morningstar Mod Tgt Risk TR USD

## Portfolio Manager(s)

Walter Nejman since 07-2017  
William Coleman since 07-2017

## Quantitative Screens

✗ **Performance:** The fund has finished in the Target-Date 2065+ category's top three quartiles in 2 of the 4 years it's been in existence.

✔ **Management:** The fund's management has been in place for 4.97 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 0.08 is 88.57% lower than the Target-Date 2065+ category average.

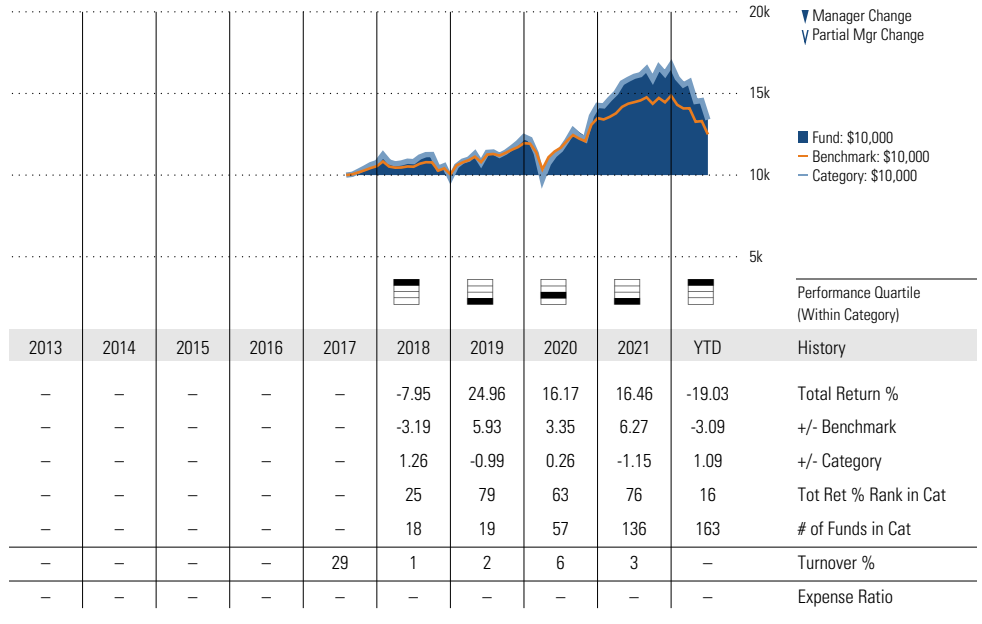
## Morningstar Investment Management LLC Analysis

This fund fails our performance consistency screen but we maintain our long-term conviction in this target-date series and continue to be comfortable recommending it for retirement plans. This fund also fails our style screen, but because it is a target-date fund we do not consider this a concern.

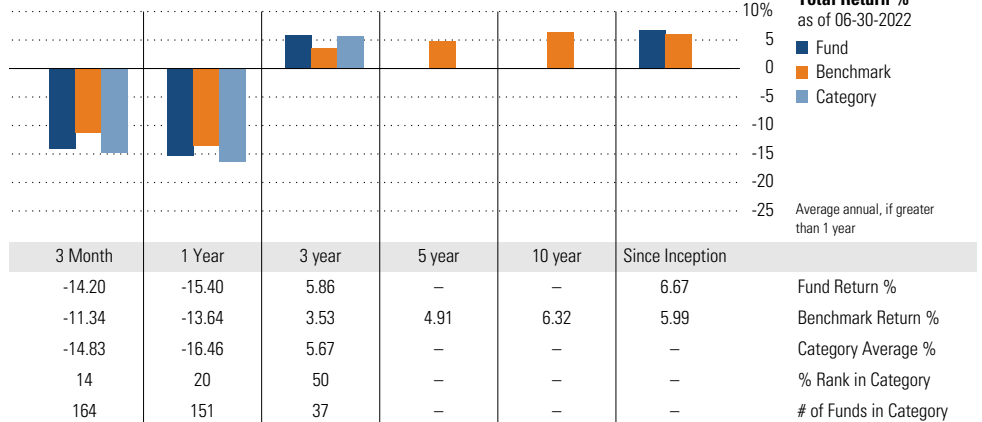
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

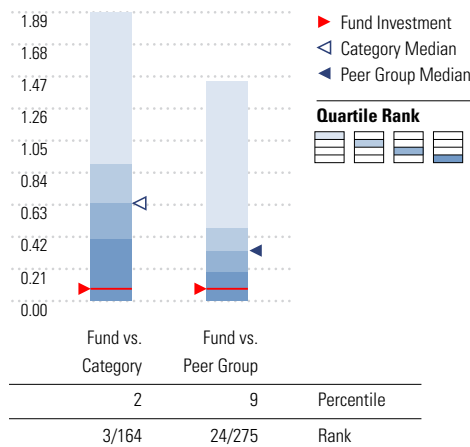
## Growth of \$10,000



## 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	1.26	-	0.78
Beta	1.39	-	1.45
R-Squared	98.80	-	98.09
Standard Deviation	16.64	11.88	17.37
Sharpe Ratio	0.39	0.30	0.36
Tracking Error	5.00	-	5.84
Information Ratio	0.46	-	0.34
Up Capture Ratio	145.96	-	149.86
Down Capture Ratio	139.60	-	146.89

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.32	14.03	14.72
Price/Book Ratio	2.15	2.04	2.24
Avg Eff Duration	7.10	-	6.54

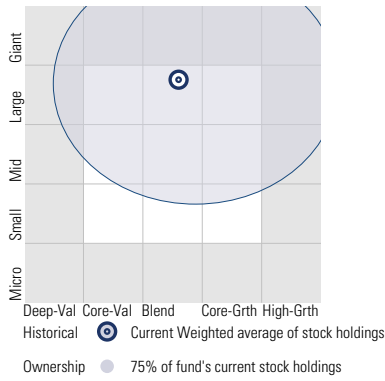
# Vanguard Target Retirement 2065 Fund VLXVX

**Morningstar Category**  
Target-Date 2065+

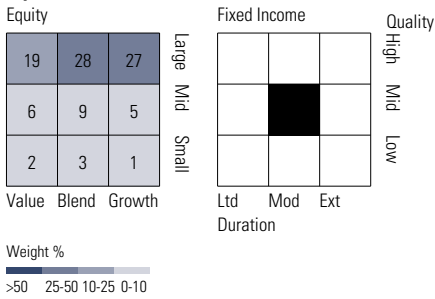
**Morningstar Index**  
Morningstar Mod Tgt Risk TR USD

## Style Analysis as of 06-30-2022

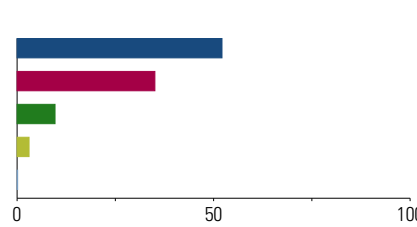
Morningstar Style Box™



## Style Breakdown

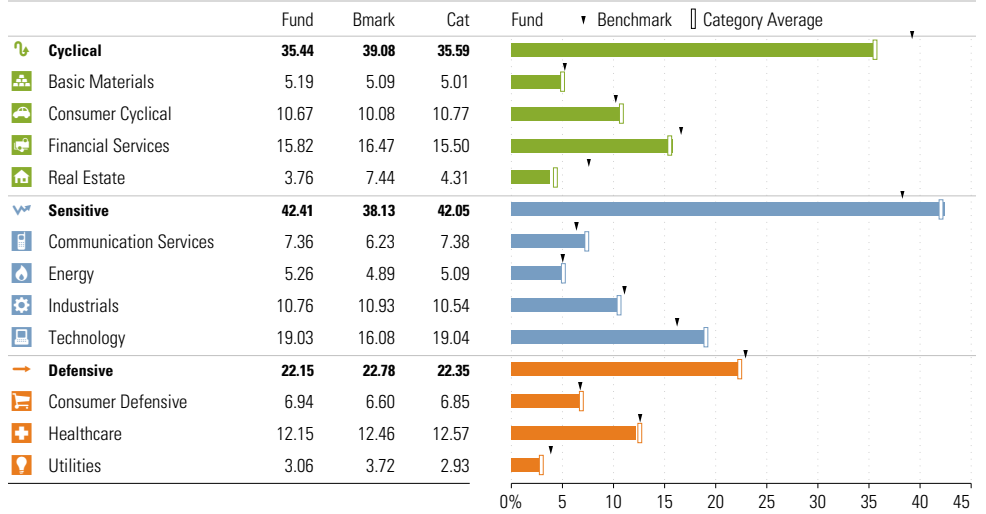


## Asset Allocation as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	52.13	53.04
Non-US Stocks	35.06	32.58
Bonds	9.65	6.86
Cash	3.04	2.42
Other	0.14	5.11
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2022



## Top 6 Holdings as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	—	52.82	52.82	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	35.91	88.73	—	—
⊖ Vanguard Total Bond Market II Idx Inv	—	6.69	95.42	—	—
⊕ Vanguard Total Intl Bd II Idx Instl	—	3.16	98.58	—	—
⊖ Mktliq 12/31/2049	—	1.38	99.97	—	—
⊕ Us Dollar	—	0.03	100.00	—	—

## Total Holdings 6

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# Vanguard Target Retirement Income Fund VTINX

**Morningstar Category**  
Target-Date Retirement

**Morningstar Index**  
Morningstar Lifetime Mod Incm TR USD

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date Retirement 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 9.36 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 0.08 is 88.24% lower than the Target-Date Retirement category average.

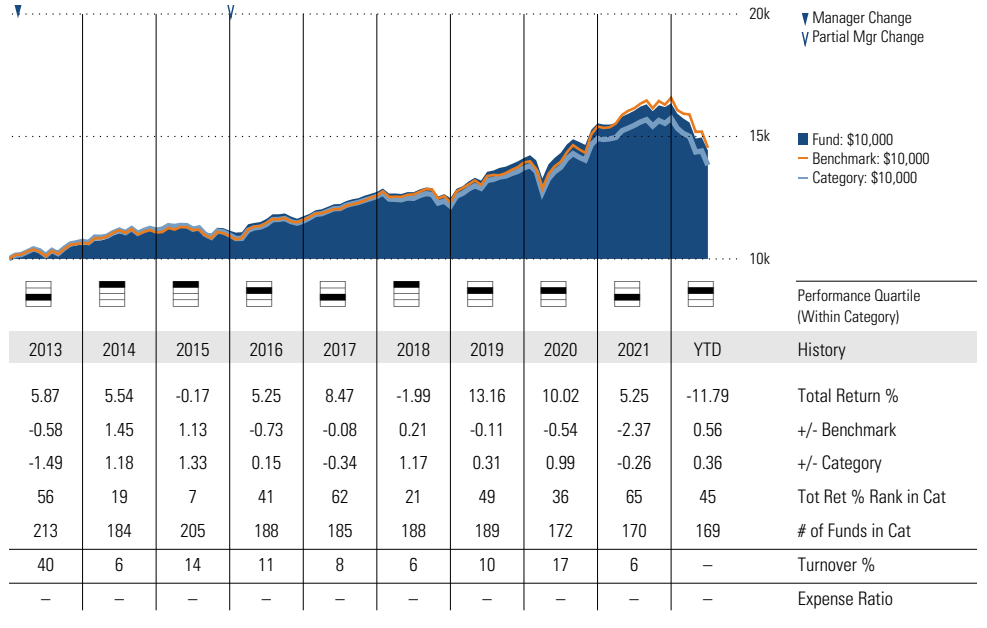
## Morningstar Investment Management LLC Analysis

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.

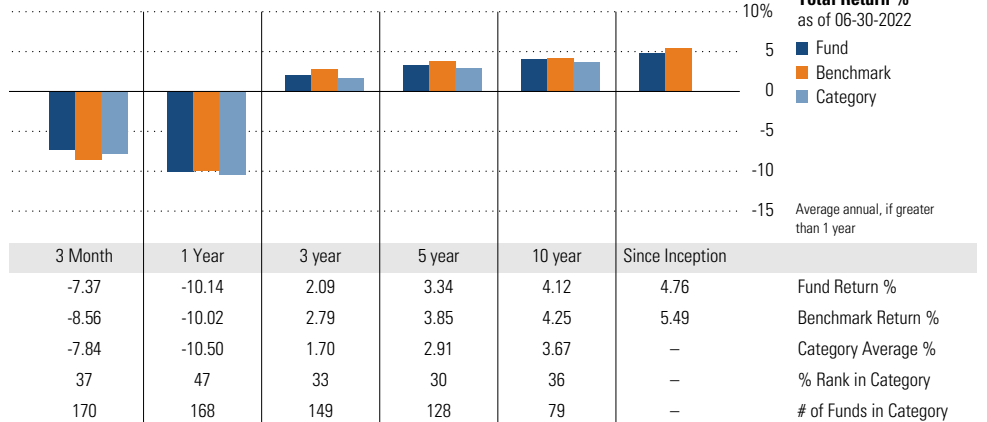
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
ESG Commitment	1-Low	02-15-2022

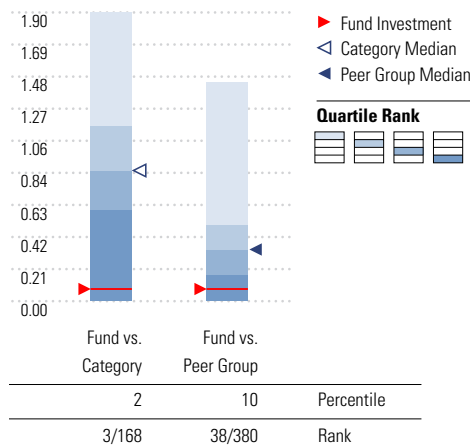
## Growth of \$10,000



## 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	-0.30	-	-0.98
Beta	0.85	-	0.93
R-Squared	97.30	-	94.49
Standard Deviation	6.89	8.01	7.64
Sharpe Ratio	0.25	0.31	0.16
Tracking Error	1.66	-	2.22
Information Ratio	-0.42	-	-0.54
Up Capture Ratio	82.60	-	85.92
Down Capture Ratio	85.16	-	94.75

## Portfolio Metrics

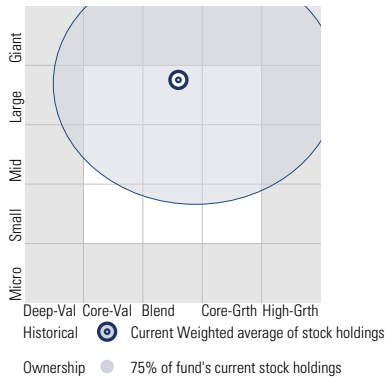
	Fund	Bmark	Cat
Price/Earnings Ratio	14.29	15.43	15.02
Price/Book Ratio	2.14	2.31	2.23
Avg Eff Duration	6.01	-	6.65

# Vanguard Target Retirement Income Fund VTINX

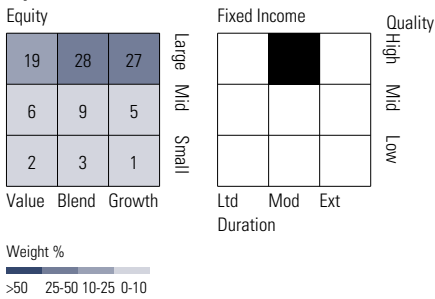
**Morningstar Category**  
Target-Date Retirement

**Morningstar Index**  
Morningstar Lifetime Mod Incm TR USD

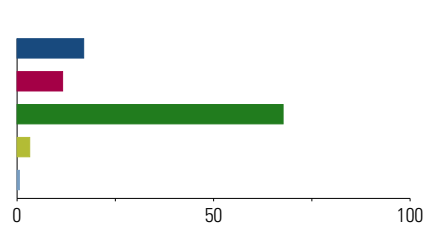
**Style Analysis** as of 06-30-2022  
Morningstar Style Box™



**Style Breakdown**

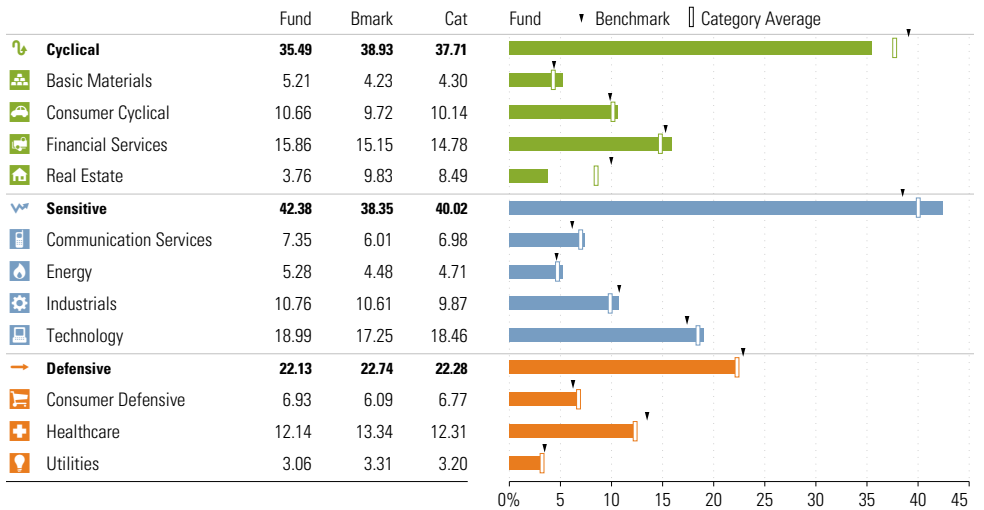


**Asset Allocation** as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	16.94	19.37
Non-US Stocks	11.58	9.96
Bonds	67.68	46.10
Cash	3.21	5.48
Other	0.58	19.09
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2022



**Top 7 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Bond Market II Idx Inv	—	36.70	36.70	—	—
⊕ Vanguard Total Stock Mkt Idx Instl Pls	—	17.16	53.86	—	—
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	—	16.93	70.80	—	—
⊕ Vanguard Total Intl Bd II Idx Instl	—	16.09	86.88	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	11.87	98.75	—	—
⊕ Mktliq 12/31/2049	—	1.35	100.10	—	—
⊕ Us Dollar	—	0.10	100.20	—	—

**Total Holdings 7**

⊕ Increase ⊖ Decrease ✨ New to Portfolio