American Funds American Balanced R6 RLBGX

Portfolio Manager(s)

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 23.76 years.

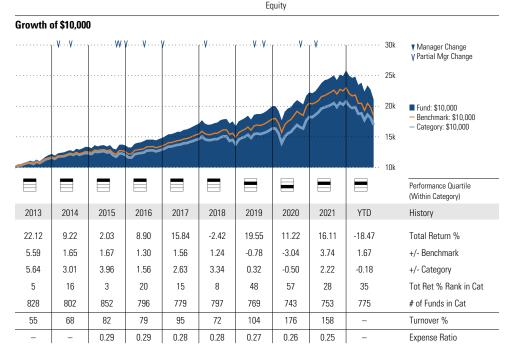
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

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	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022



Morningstar Category Allocation--50% to 70%

Trailing Performance



4.92 Fund Investment 4 37 Peer Group Median 3.83 Quartile Rank 3.28 2.73 2.19 1 64 1.09 0.55 0.00 Fund vs. Fund vs. Peer Group Category 2 6 Percentile

13/791 38/646 Rank Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

Fund Bmark Cat Alnha 1.22 -0.19 Beta 0.94 1.01 **R**-Squared 96 95 93.81 _ Standard Deviation 12.60 13.19 13.79 Sharpe Ratio 0.30 0.21 0 19 Tracking Error 2 33 3.33 -0.07 Information Ratio 0 48 Up Capture Ratio 100.69 100.14 Down Capture Ratio 94.41 101.57 **Portfolio Metrics** Fund Bmark Cat

Tunu	DITICIN	Gat
14.57	15.39	15.85
2.94	2.51	2.63
6.92	6.45	5.02
	2.94	14.5715.392.942.51

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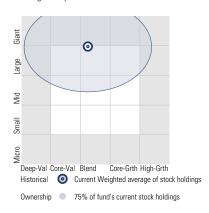


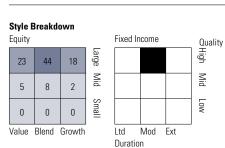
Morningstar Index

Morningstar US Mod Tgt Alloc NR USD

American Funds American Balanced R6 RLBGX

Style Analysis as of 09-30-2022 Morningstar Style Box™





Weight %

>50 25-50 10-25 0-10

Top 10 Holdings as of 09-30-2022

		·
0	50	100

Sector Weighting as of 09-30-2022

Asset Allocation as of 09-30-2022

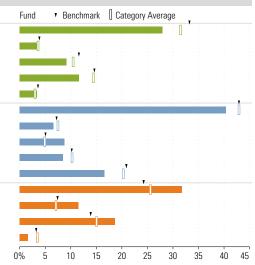
		Fund	Bmark	Cat
Դ	Cyclical	27.90	33.09	31.49
<i>.</i>	Basic Materials	3.73	3.71	3.59
A	Consumer Cyclical	9.16	11.45	10.46
цф	Financial Services	11.62	14.48	14.43
ŵ	Real Estate	3.39	3.45	3.01
~~	Sensitive	40.37	42.78	42.93
d	Communication Services	6.64	7.08	7.49
0	Energy	8.72	4.91	4.91
¢	Industrials	8.43	10.05	10.25
	Technology	16.58	20.74	20.28
-	Defensive	31.74	24.12	25.60
F	Consumer Defensive	11.52	7.27	7.10
٠	Healthcare	18.65	13.76	15.05
2	Utilities	1.57	3.09	3.45
-				

Equity Asset Class Net % Cat% US Stocks 51.73 46.54 Non-US Stocks 7.57 9.57 30.48 Bonds 34.14 Cash 4.55 6.18 Other 5.66 3.56 Total 100.00 100.00

Morningstar Index

Morningstar US Mod Tgt Alloc NR USD

Morningstar Category Allocation--50% to 70%



Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
\oplus Capital Group Central Cash Fund	_	12.06	12.06	_	_
蓉 Cash And Other Assets Less Liablities	-	7.58	19.64	_	-
🕀 Cap Grp Cent Fd Ser li	-	5.14	24.79	_	-
⊖ Microsoft Corp	-	3.52	28.31	-30.20	Technology
\ominus UnitedHealth Group Inc	-	2.65	30.96	1.52	Healthcare
⊖ Broadcom Inc	-	2.37	33.33	-31.42	Technology
$igodoldsymbol{ m Philip}$ Morris International Inc	-	1.85	35.18	-8.65	Consumer Defensive
⊕ Pfizer Inc	-	1.47	36.65	-23.86	Healthcare
The Home Depot Inc	-	1.39	38.04	-32.14	Consumer Cyclical
CVS Health Corp	-	1.18	39.22	-5.95	Healthcare

 \oplus Increase \oplus Decrease New to Portfolio



American Funds Europacific Growth R6 RERGX

Portfolio Manager(s)

Carl Kawaja since 06-2001 Nicholas Grace since 06-2002 Sung Lee since 06-2002 Jonathan Knowles since 06-2006 Andrew Suzman since 06-2007 Christopher Thomsen since 06-2008 Lawrence Kymisis since 06-2014 Lara Pellini since 10-2014 Harold La since 06-2018 Gerald Manoir since 01-2020 Noriko Chen since 01-2020

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 21.35 years.

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

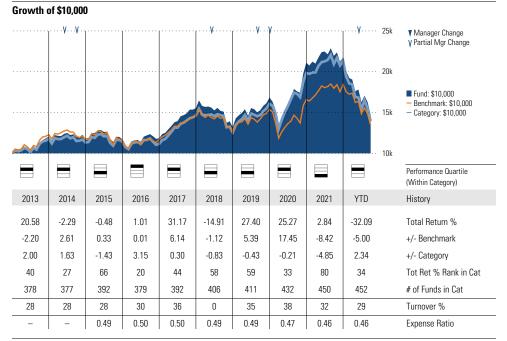
Net Expense: The fund's expense ratio of 0.46 is 56.19% lower than the Foreign Large Growth category average.

Morningstar Investment Management LLC Analysis

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

ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	08-31-2022
Carbon Risk Score	Medium Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022



Trailing Performance



3.31 Fund Investment Category Median 2.94 Peer Group Median 2.57 2.21 Quartile Rank 1.84 1.47 1.10 0.74 0.37 0.00 Fund vs Fund vs Peer Group Category 6 11 Percentile 27/457 43/391 Rank

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

of Funds in Category **3-Year Risk Metrics** Fund Bmark Cat Alpha 0.82 0.70 1 01 0.97 Reta 90.82 R-Squared 83.00 Standard Deviation 20.21 19 12 20 41 Sharpe Ratio 0.01 -0.04 0.00 Tracking Error 6.12 8.47 Information Ratio 0.10 0.06 Up Capture Ratio 105.47 105.45 Down Capture Ratio 102.68 103.29

Fund Bmark Cat Price/Earnings Ratio 15.86 11.53 17.83

Thoo, Earningo hatio	10.00	11.00	17.00
Price/Book Ratio	2.62	1.45	2.68
Geom Avg Mkt Cap \$B	46.73	37.04	42.78
ROE	20.35	18.66	21.82

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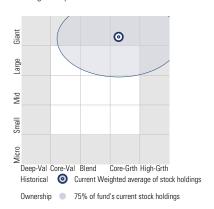
Morningstar Category Morningstar Index

Foreign Large Growth

MSCI EAFE NR USD

American Funds Europacific Growth R6 RERGX

Style Analysis as of 09-30-2022 Morningstar Style Box™





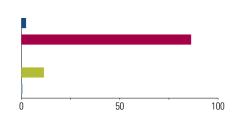


Weight %

<25

>50 25-50 10-25 0-10

World Regions % Equity 09-30-2022



Sector Weighting as of 09-30-2022

Asset Allocation as of 09-30-2022

		Fund	Bmark	Cat
Դ	Cyclical	34.63	38.61	34.60
æ.	Basic Materials	8.03	7.50	6.46
	Consumer Cyclical	12.71	10.50	12.47
ц.	Financial Services	13.22	17.65	14.87
ŵ	Real Estate	0.67	2.96	0.80
₩ r	Sensitive	41.58	33.04	39.45
	Communication Services	2.94	5.11	4.52
0	Energy	9.93	5.02	3.90
¢	Industrials	12.96	14.77	15.63
	Technology	15.75	8.14	15.40
	Defensive	23.79	28.34	25.94
F	Consumer Defensive	7.43	11.17	9.56
٠	Healthcare	15.08	13.99	15.41
9	Utilities	1.28	3.18	0.97

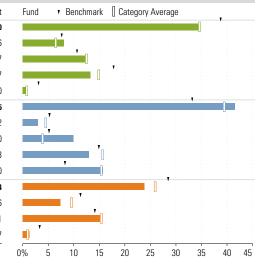
Total	100.00	100.00
Other	0.39	0.44
Cash	11.24	3.04
Bonds	0.00	0.06
Non-US Stocks	86.19	89.29
US Stocks	2.18	7.17
Asset Class	Net %	Cat%

Morningstar Index

MSCI EAFE NR USD

Morningstar Category

Foreign Large Growth



	Greater Asia	Fund % 41.95	Cat % 27.73	Americas	Fund % 14.68	Cat % 15.17	Greater Europe	Fund % 43.37	Cat % 57.11	Market Maturity	Fund %
	Japan	11.71	11.15	North America	10.47	13.28	United Kingdom	6.46	12.20	Developed Markets	78.62
	Australasia	3.21	1.91	Central/Latin	4.21	1.89	W euro-ex UK	35.80	44.27	Emerging Markets	21.38
	Asia-4 Tigers	10.04	6.07				Emrgng Europe	0.03	0.03	Not Available	0.00
	Asia-ex 4 Tigers	16.99	8.60				Africa	1.08	0.61		
>75	Not Classified	0.00	0.00								

Top 10 Holdings as of 09-30-2022

25-50

50-75

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
∋ Capital Group Central Cash Fund	11.21	11.21	_	_
Reliance Industries Ltd	3.12	14.33	0.71	Energy
€ Novo Nordisk A/S Class B	2.92	17.25	4.70	Healthcare
€ LVMH Moet Hennessy Louis Vuitton SE	2.46	19.72	-15.08	Consumer Cyclical
\ominus ASML Holding NV	2.37	22.09	-37.96	Technology
igoperatorna Daiichi Sankyo Co Ltd	2.20	24.30	38.92	Healthcare
igop Taiwan Semiconductor Manufacturing Co Ltd	1.95	26.25	-30.04	Technology
igodolog Canadian Natural Resources Ltd	1.92	28.17	27.32	Energy
➔ Airbus SE	1.68	29.85	-19.55	Industrials
🕀 AIA Group Ltd	1.68	31.53	-14.84	Financial Services

Total Holdings 373

 \oplus Increase \oplus Decrease R New to Portfolio

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American Funds Growth Fund of Amer R6 RGAGX

Portfolio Manager(s)

Donald O'Neal since 11-1993 J. Frank since 11-2001 Lawrence Solomon since 05-2010 Martin Romo since 11-2010 Carl Kawaja since 11-2010 Mark Casey since 11-2012 Alan Wilson since 11-2012 Anne-Marie Peterson since 07-2013 Christopher Buchbinder since 11-2013 Joanna Jonsson since 03-2016 Alex Popa since 10-2016 Andraz Razen since 03-2020 Julian Abdey since 11-2021

Quantitative Screens

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

Management: The fund's management has been in place for 28.93 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 0.3 is 68.75% lower than the Large Growth category average.

Morningstar Investment Management LLC Analysis

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

ESG Metrics

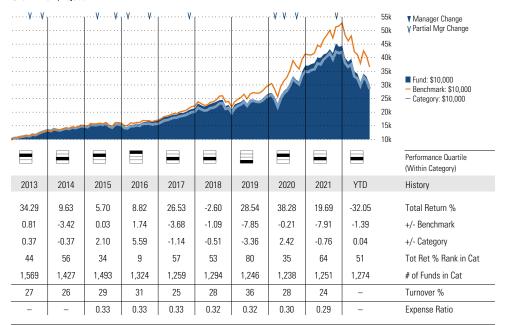
Metric	Rating	Updated
Sustainability Rating	1	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	04-07-2022



Large Growth Ru

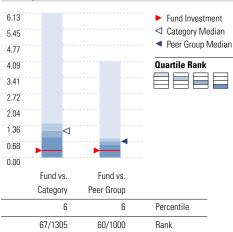
Morningstar Index

Russell 1000 Growth TR USD



Trailing Performance





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

Fund Bmark Cat Alpha -2.14 -3.29 0.95 0.97 Beta 95.75 **R-Squared** 93.15 Standard Deviation 22.36 23 13 23.33 Sharpe Ratio 0 42 0 52 0.37 Tracking Error 478 6.09 Information Ratio -0.61 -0.78 Up Capture Ratio 86.03 88.47 Down Capture Ratio 91.03 97.94

Portfolio Metrics

	runu	Dinank	out
Price/Earnings Ratio	18.91	23.78	23.27
Price/Book Ratio	4.05	8.32	6.18
Geom Avg Mkt Cap \$B	123.81	240.14	266.70
ROE	25.71	41.06	37.20

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Rmark

Cat

American Funds Growth Fund of Amer R6 RGAGX

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Energy

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Utilities

Cyclical

Basic Materials

Consumer Cyclical

Financial Services

Communication Services

Real Estate

Sensitive

Industrials

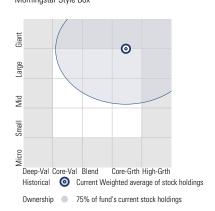
Technology

Defensive

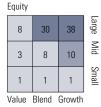
Healthcare

Consumer Defensive

Style Analysis as of 09-30-2022 Morningstar Style Box™







Weight %

>50 25-50 10-25 0-10

Top 15 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
ightarrow Tesla Inc	7.18	7.18	-24.70	Consumer Cyclical
e Capital Group Central Cash Fund	6.92	14.10	_	-
➔ Microsoft Corp	5.89	19.99	-30.20	Technology
€ Amazon.com Inc	4.44	24.43	-32.22	Consumer Cyclical
\oplus UnitedHealth Group Inc	3.94	28.38	1.52	Healthcare
\oplus Alphabet Inc Class C	2.56	30.94	-33.54	Communication Svc
ightarrow Meta Platforms Inc Class A	2.34	33.28	-59.66	Communication Svc
€ Broadcom Inc	1.93	35.21	-31.42	Technology
\ni Alphabet Inc Class A	1.84	37.05	-33.97	Communication Svc
⊕ Netflix Inc	1.47	38.52	-60.92	Communication Svc
\ominus Thermo Fisher Scientific Inc	1.33	39.85	-23.85	Healthcare
➔ Mastercard Inc Class A	1.26	41.10	-20.46	Financial Services
onumber onumber	1.01	42.11	18.13	Healthcare
$oldsymbol{eta}$ Carrier Global Corp Ordinary Shares	0.99	43.10	-33.89	Industrials
\ominus Regeneron Pharmaceuticals Inc	0.93	44.02	9.08	Healthcare

Total Holdings 374

 \oplus Increase \ominus Decrease R New to Portfolio

50

100

Cat

28.66

1.51

15.69

974

1.72

51.49

9.75

2.32

6.05

33.37

19.86

4.32

14.94

0.60

Bmark

25.91

1.20

16.68

6 40

1.63

55.67

7.45

1.56

7.55

39.11

18.43

6.26

12.11

0.06

Fund

35.16

2.40

23.80

8.79

0.17

43.69

10.43

4.63

8.09

20.54

21.14

3.34

16.80

1.00

Asset Allocation as of 09-30-2022

Sector Weighting as of 09-30-2022

Net %	Cat%
82.80	93.35
9.80	4.27
0.00	0.01
6.77	2.00
0.63	0.37
100.00	100.00
	82.80 9.80 0.00 6.77 0.63

Morningstar Index

Russell 1000 Growth TR USD

Morningstar Category

Large Growth

Benchmark [] Category Average Fund Ú. i [0% 5 10 15 20 25 30 35 40 45 50 55 60

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American Funds Invmt Co of Amer R6 RICGX

Growth of \$10,000

¢.¥.....

2013

. **y**. . . . **y** .

2014

Portfolio Manager(s)

James Lovelace since 03-1992 Donald O'Neal since 03-1992 Christopher Buchbinder since 03-2007 Grant Cambridge since 03-2014 Martin Romo since 07-2018 Aline Avzaradel since 03-2019 Martin Jacobs since 12-2019 James Terrile since 03-2020 Jessica Spaly since 03-2021

Quantitative Screens

Performance: The fund has finished in the 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 30.6 years.

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

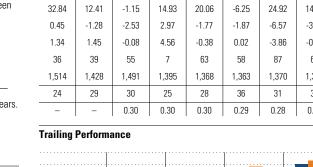
Net Expense: The fund's expense ratio of 0.27 is 66.25% lower than the Large Blend category average.

Morningstar Investment Management LLC Analysis

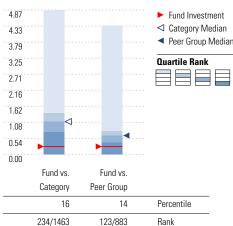
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022







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

Morningstar Category Large Blend

Morningstar Index

S&P 500 TR USD

v			<u>V</u>	v	. V V	40k	T Man	oner Channe	
			· · ·			· ~	M			ager Change al Mgr Change	e
								35k			
					·····			30k			
						1		25k	Fund	: \$10,000	
			~~~~	$\sim$					- Benc	hmark: \$10,00 gory: \$10,000	0
			$\sim$ $\gamma$		V				- Udle	yury. \$10,000	
							• • • • • • • • • •	15k			
								10k			
										nance Quartile Category)	
2015	2016	2017	2018	2019	2020	2021	YTD		Histor		
-1.15	14.93	20.06	-6.25	24.92	14.85	25.40	-23.87			Return %	
-2.53	2.97	-1.77	-1.87	-6.57	-3.55	-3.31	0.00			nchmark	
-0.08	4.56	-0.38	0.02	-3.86	-0.98	-0.67	-0.59		+/- Ca	tegory	
55	7	63	58	87	61	67	47		Tot Re	et % Rank in	Cat
1,491	1,395	1,368	1,363	1,370	1,357	1,368	1,397		# of Fu	unds in Cat	
30	25	28	36	31	39	22	-		Turnov	ver %	
0.30	0.30	0.30	0.29	0.28	0.27	0.27	-		Expen	se Ratio	
nce											
nce	·····I·····		·····	·····						<b>Return %</b>	
nce			·····					15% 10		)9-30-2022	
nce								10 5 0	as of C Fun Ben	09-30-2022 d nchmark	
nce	· · · · · · · · · · · · · · · · · · ·							10 5 0	as of C Fun	09-30-2022 d nchmark	
nce								10 5 0 -5 -10	as of C Fun Ben	09-30-2022 d nchmark	
nce								10 5 0 -5 -10 -15	as of C Fun Ben	09-30-2022 d nchmark	
nce								10 5 -5 -10 -15 -20 -25	as of C Fun Ben Cat	09-30-2022 d ichmark egory annual, if great	ter
					10			10 5 -5 -10 -15 -20 -25	as of C Fun Ben Cat	09-30-2022 d ichmark egory annual, if great	ter
1 Year		3 year	5 yea		10 year		nception	10 5 0 -5 -10 -15 -20 -25	as of C Fun Ben Cat	09-30-2022 d ichmark egory annual, if greatear	ter
1 Year -16.96		6.32	6.41	I	10.19	11	nception .38	10 5 0 -5 -10 -15 -20 -25	as of C Fun Ben Cat	09-30-2022 d achmark egory annual, if grea ear Return %	
1 Year -16.96 -15.47		6.32 8.16	6.41 9.24	1	10.19 11.70	11	nception	10 5 0 -5 -10 -15 -20 -25	as of C Fun Ben Cat Average than 1 ye Fund F Bench	99-30-2022 d ichmark egory annual, if grea ear Return % mark Return	%
1 Year -16.96 -15.47 -15.83		6.32 8.16 6.77	6.41 9.24 7.74	1	10.19 11.70 10.38	11	nception .38	10 5 0 -5 -10 -15 -20 -25	as of C Fun Ben Cat	)9-30-2022 d uchmark egory annual, if greatear Return % mark Return ory Average	%
1 Year -16.96 -15.47 -15.83 60		6.32 8.16 6.77 67	6.41 9.24 7.74 84	l 1 1	10.19 11.70 10.38 65	11	nception .38	10 5 0 -5 -10 -15 -20 -25	as of C Fun Ben Cat Average than 1 ye Fund F Bench Catego % Ran	19-30-2022 d Ichmark egory annual, if grea ear Return % mark Return ory Average Ik in Categor	% % V
1 Year -16.96 -15.47 -15.83		6.32 8.16 6.77	6.41 9.24 7.74	1 1 1	10.19 11.70 10.38 65 828	11	nception .38 .51 - -	10 5 0 -5 -10 -15 -20 -25	as of C Fun Ben Cat Average than 1 ye Fund F Bench Catego % Ran	)9-30-2022 d uchmark egory annual, if greatear Return % mark Return ory Average	% % V
1 Year -16.96 -15.47 -15.83 60		6.32 8.16 6.77 67 1,250	6.41 9.24 7.74 84 1,13	1	10.19 11.70 10.38 65	11	nception .38 .51 - -	10 5 -5 -10 -15 -20 -25	as of C Fun Ben Cat Average than 1 ye Fund F Bench Catego % Ran	19-30-2022 d Ichmark egory annual, if grea ear Return % mark Return ory Average Ik in Categor	% % V
1 Year -16.96 -15.47 -15.83 60		6.32 8.16 6.77 67 1,250 ► Fund	6.41 9.24 7.74 84 1,13		10.19 11.70 10.38 65 828	11	nception .38 .51 - -	15% 10 5 -10 -15 -20 -25 -75	as of C Fun Ber Cat Average than 1 y Fund F Bench Catego % Rar # of Fu	99-30-2022 d achmark egory annual, if grea ear Return % mark Return ory Average ak in Categori unds in Categori	% % ſy gory
1 Year -16.96 -15.47 -15.83 60		6.32 8.16 6.77 67 1,250 ► Fund < Categ	6.41 9.24 7.74 84 1,13 Investment	1 1 1 1 1	10.19 11.70 10.38 65 828 <b>3-Year Ri</b>	11	nception .38 .51 - -	15% 10 5 -10 -15 -20 -25 -25 -25 -25 -25 -25 -25 -25 -25 -25	as of C Fun Bern Cat Fund F Bench Categu % Rar # of Fu	99-30-2022 d achmark egory annual, if grea ear Return % mark Return ory Average ak in Categori unds in Categori	% % ry gory Cat
1 Year -16.96 -15.47 -15.83 60		6.32 8.16 6.77 67 1,250 ► Fund ⊲ Categ ■ Peer	6.41 9.24 7.74 84 1,13 Investment gory Media Group Med	1 1 1 n A Bian	10.19 11.70 10.38 65 828 <b>3-Year Ri</b>	11	nception .38 .51 - -	15% 10 5 -0 -5 -10 -15 -20 -25 -20 -25 -20 -25 -20 -25 -20 -25 -20 -25 -20 -25 -20 -25 -20 -25 -20 -20 -20 -20 -20 -20 -20 -20 -20 -20	as of C Fun Ber Cat Cat Fund F Bench Categu % Rar # of Fu Jund .18	99-30-2022 d achmark egory annual, if grea ear Return % mark Return ory Average ak in Categori unds in Categori	% % ry gory Cat -1.32
-16.96 -15.47 -15.83 60		6.32 8.16 6.77 67 1,250 ► Fund < Categ	6.41 9.24 7.74 84 1,13 Investment gory Media Group Med	1 1 1 n An B m R	10.19 11.70 10.38 65 828 3-Year Ri	sk Metri	nception .38 .51 - -	15% 10 5 -10 -15 -20 -25 -20 -25 -21 -20 -25 -21 -20 -25 -21 -20 -25 -20 -25 -20 -25 -20 -25 -10 -10 -15 -20 -20 -25 -10 -10 -15 -10 -10 -15 -10 -10 -15 -10 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -15 -10 -115 -20 -20 -20 -20 -20 -20 -20 -20 -20 -20	as of C Fun Berr Cat Cat Fund F Bench Catego % Rar # of Fu und .18 .92	99-30-2022 d achmark egory annual, if grea ear Return % mark Return ory Average ak in Categori unds in Categori	% % 7y gory Cat -1.32 0.96

Sharpe Ratio 0.38 0.45 0.37 Tracking Error 3.19 4.01 Information Ratio -0.58 -0.98 Up Capture Ratio 91.35 92.89 Down Capture Ratio 95.86 97.59 

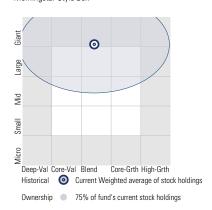
Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	16.65	17.98	18.23
Price/Book Ratio	2.98	3.38	3.60
Geom Avg Mkt Cap \$B	145.64	164.20	210.33
ROF	26.81	31.94	32,91

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# American Funds Invmt Co of Amer R6 RICGX

Style Analysis as of 09-30-2022 Morningstar Style Box™





Weight %

>50 25-50 10-25 0-10

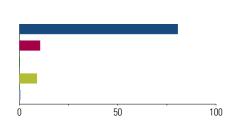
Value Blend Growth

### Top 15 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
$\oplus$ Capital Group Central Cash Fund	8.27	8.27	_	_
∋ Microsoft Corp	7.00	15.27	-30.20	Technology
$\ni$ Amazon.com Inc	3.62	18.89	-32.22	Consumer Cyclical
€ Broadcom Inc	3.41	22.30	-31.42	Technology
e Philip Morris International Inc	2.87	25.17	-8.65	Consumer Defensive
∋ UnitedHealth Group Inc	2.42	27.59	1.52	Healthcare
Đ British American Tobacco PLC	2.41	30.00	24.01	Consumer Defensive
ightarrow Meta Platforms Inc Class A	2.39	32.39	-59.66	Communication Svc
Apple Inc	2.37	34.76	-21.79	Technology
$\oplus$ General Electric Co	2.33	37.09	-34.21	Industrials
Abbott Laboratories	2.31	39.40	-30.25	Healthcare
Raytheon Technologies Corp	2.13	41.53	-3.01	Industrials
Đ Comcast Corp Class A	1.80	43.33	-40.15	Communication Svc
$\ni$ Alphabet Inc Class A	1.67	45.01	-33.97	Communication Svc
$\ominus$ Linde PLC	1.54	46.55	-21.17	Basic Materials

### Total Holdings 211

 $\oplus$  Increase  $\oplus$  Decrease arrow New to Portfolio



Fund

26.41

3.82

9.56

10.87

2.16

46.16

9.13

5.50

12.76

18.77

27.43

9.10

13.71

4.62

Bmark

29.69

2.24

11.44

13 11

2.90

44.73

8.07

4.55

8.32

23.79

25.58

7.33

15.18

3.07

Cat

29.07

2.66

10.23

13.64

2.54

45.16

7.92

4.06

10.09

23.09

25.75

7.35

15.61

2.79

Asset Allocation as of 09-30-2022

Sector Weighting as of 09-30-2022

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Energy

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Utilities

Cyclical

Basic Materials

Consumer Cyclical

Financial Services

**Communication Services** 

Real Estate

Sensitive

Industrials

Technology

Defensive

Healthcare

**Consumer Defensive** 

### Asset Class Net % Cat% US Stocks 80.44 94.84 Non-US Stocks 10.38 2.67 Bonds 0.07 0.87 Cash 8.72 0.53 0.39 Other 1.09 Total 100.00 100.00

# Fund • Benchmark [] Category Average

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Morningstar Category Mor

Large Blend

ory Morningstar Index

S&P 500 TR USD

# American Funds New Perspective R6 RNPGX

Portfolio Manager(s)

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

### Quantitative Screens

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

Management: The fund's management has been in place for 21.84 years.

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

Net Expense: The fund's expense ratio of 0.41 is 62.04% lower than the Global Large-Stock Growth category average.

### **Morningstar Investment Management LLC Analysis**

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

### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	2	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	2-Basic	02-15-2022



### **Trailing Performance**

25

27

0.45

22

0.45

28

0.45

23

0.44

20

0.44

26

0.42

22

0.41

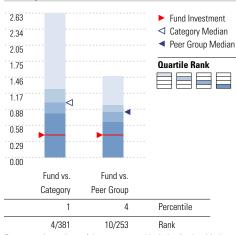
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30

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

# of Funds in Category **3-Year Risk Metrics** Fund Bmark Cat Alpha 2.14 -0.39 Beta 1 09 1 05 _ 95.96 **R-Squared** 88.49 Standard Deviation 21 64 19 40 21 81 Sharpe Ratio 0.35 0 25 0.22 Tracking Error 4.70 7.39 Information Ratio 0.49 -0.07 Up Capture Ratio 115.03 104.64 Down Capture Ratio 107.80 107.51

### **Portfolio Metrics** Fund Bmark Cat Price/Earnings Ratio 17 57 14 51 20.74 Price/Book Ratio 3.19 2.27 3.65 Geom Avg Mkt Cap \$B 100 40 85 50 104 55 ROE 26.11 26.08 25.43

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Morningstar Index Morningstar Category

Global Large-Stock Growth MSCI ACWI NR USD

Performance Quartile (Within Category)
(within category)
History
,
Total Return %
+/- Benchmark
+/- Category
Tot Ret % Rank in Cat
# of Funds in Cat
Turnover %

Expense Ratio

**Total Return %** 

as of 09-30-2022

Benchmark

Average annual, if greater than 1 year

Benchmark Return %

Category Average %

% Rank in Category

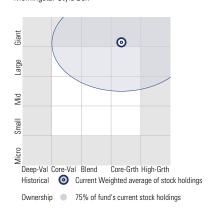
Fund Return %

Category

Fund

# American Funds New Perspective R6 RNPGX

**Style Analysis** as of 09-30-2022 Morningstar Style Box™





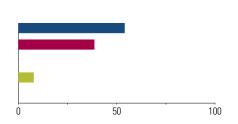


Weight %

<25

>50 25-50 10-25 0-10

### World Regions % Equity 09-30-2022



### Sector Weighting as of 09-30-2022

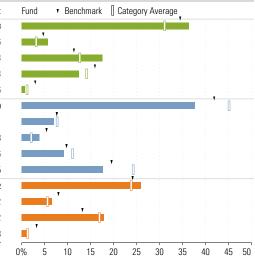
Asset Allocation as of 09-30-2022

		Fund	Bmark	Cat
Դ	Cyclical	36.38	34.31	31.08
æ.	Basic Materials	5.73	4.54	3.16
	Consumer Cyclical	17.52	11.20	12.63
ц.	Financial Services	12.41	15.78	14.13
ŵ	Real Estate	0.72	2.79	1.16
w	Sensitive	37.69	41.71	45.10
	Communication Services	7.01	7.48	7.71
0	Energy	3.85	5.25	2.08
¢	Industrials	9.20	9.59	11.06
	Technology	17.63	19.39	24.25
	Defensive	25.93	23.97	23.82
F	Consumer Defensive	6.63	7.83	5.62
٠	Healthcare	17.93	13.05	16.92
9	Utilities	1.37	3.09	1.28



Global Large-Stock Growth MSCI ACWI NR USD

Asset Class	Net %	Cat%
US Stocks	53.91	56.34
Non-US Stocks	38.47	40.39
Bonds	0.00	0.00
Cash	7.62	2.91
Other	0.00	0.37
Total	100.00	100.00



	Greater Asia	Fund % 11.29	Cat % 14.50	Americas	Fund % 62.73	Cat % 61.21	Greater Europe	Fund % 25.97	Cat % 24.27	Market Maturity	Fund %
	Japan	3.06	4.42	North America	60.81	59.88	United Kingdom	4.84	4.85	Developed Markets	95.40
	Australasia	0.30	0.40	Central/Latin	1.92	1.33	W euro-ex UK	20.57	19.24	Emerging Markets	4.60
	Asia-4 Tigers	5.55	4.12				Emrgng Europe	0.00	0.01	Not Available	0.00
	Asia-ex 4 Tigers	2.38	5.56				Africa	0.56	0.17		
	Not Classified	0.00	0.00								
>75											

Top 10 Holdings as of 09-30-2022

25-50

50-75

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
$ onumber \in \mathbb{R}^{2} $ Capital Group Central Cash Fund	7.62	7.62	-	_
ightarrow Tesla Inc	6.56	14.18	-24.70	Consumer Cyclical
➔ Microsoft Corp	4.14	18.32	-30.20	Technology
eq Taiwan Semiconductor Manufacturing Co Ltd	2.19	20.51	-30.04	Technology
⇒ Meta Platforms Inc Class A	1.53	22.04	-59.66	Communication Svc
⊖ Amazon.com Inc	1.45	23.49	-32.22	Consumer Cyclical
$\ominus$ Eli Lilly and Co	1.43	24.92	18.13	Healthcare
€ Novo Nordisk A/S Class B	1.42	26.34	4.70	Healthcare
$\ni$ Nestle SA	1.31	27.64	-14.55	Consumer Defensive
∋ Alphabet Inc Class C	1.29	28.93	-33.54	Communication Svc

### Total Holdings 300

 $\oplus$  Increase  $\oplus$  Decrease R New to Portfolio

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# American Funds New World R6 RNWGX

### 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 23.3 years.

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

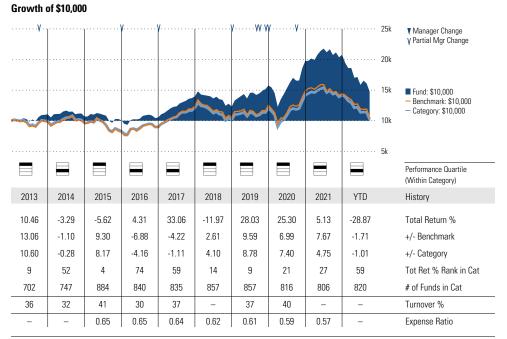
Net Expense: The fund's expense ratio of 0.57 is 50.86% lower than the Diversified Emerging Mkts category average.

### 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.

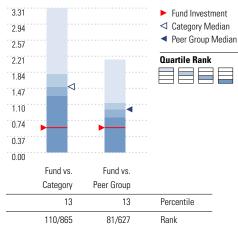
### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022



### **Trailing Performance**





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

**3-Year Risk Metrics** Fund Bmark Cat Alpha 2.85 -0.04 0.93 1 01 Beta **R-Squared** 83.08 89.15 Standard Deviation 19.53 19 18 20.61 Sharpe Ratio 0 10 -0.05 -0.05 Tracking Error 8.15 6.63 Information Ratio 0.34 -0.10 Up Capture Ratio 101.44 101.61 Down Capture Ratio 90.68 102.73

### Portfolio Metrics Fund Bmark Cat Price/Earnings Ratio 15.80 9.97 10.69 Dia (Paulo Paulo)

Thoo, Earningo hatio	10.00	0.07	10.00
Price/Book Ratio	2.67	1.51	1.71
Geom Avg Mkt Cap \$B	49.35	30.78	38.21
ROE	23.44	17.48	18.39

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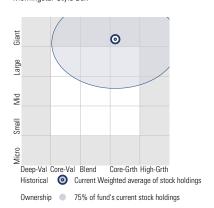


Morningstar Category Morningstar Index

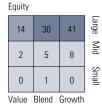
Diversified Emerging Mkts MSCI EM NR USD

# American Funds New World R6 RNWGX

### Style Analysis as of 09-30-2022 Morningstar Style Box™





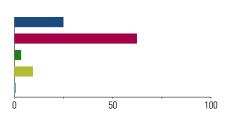


Weight %

<25

>50 25-50 10-25 0-10

### World Regions % Equity 09-30-2022



### Sector Weighting as of 09-30-2022

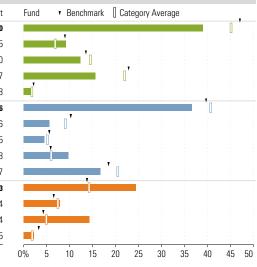
Asset Allocation as of 09-30-2022

		Fund	Bmark	Cat
Դ	Cyclical	38.94	46.87	45.10
æ.	Basic Materials	9.21	8.82	6.85
<b>~</b>	Consumer Cyclical	12.36	13.38	14.50
,	Financial Services	15.63	22.67	21.97
ŵ	Real Estate	1.74	2.00	1.78
w	Sensitive	36.60	39.51	40.66
	Communication Services	5.61	10.09	9.06
0	Energy	4.49	5.41	5.15
¢	Industrials	9.78	5.71	5.98
	Technology	16.72	18.30	20.47
	Defensive	24.45	13.61	14.23
F	Consumer Defensive	7.84	6.38	7.44
٠	Healthcare	14.34	4.11	4.94
9	Utilities	2.27	3.12	1.85
-				



Diversified Emerging Mkts

Asset Class	Net %	Cat%
US Stocks	24.77	3.08
Non-US Stocks	62.17	94.37
Bonds	3.24	0.04
Cash	9.22	2.74
Other	0.61	-0.24
Total	100.00	100.00



	Greater Asia	Fund % 39.96	Cat % 75.82	Americas	Fund % 39.27	Cat % 14.15	Greater Europe	Fund % 20.78	Cat % 10.02	Market Maturity	Fund %
	Japan	2.37	0.09	North America	30.17	3.05	United Kingdom	2.68	0.64	Developed Markets	59.14
	Australasia	0.71	0.04	Central/Latin	9.10	11.10	W euro-ex UK	16.04	1.63	Emerging Markets	40.86
	Asia-4 Tigers	6.72	24.94				Emrgng Europe	0.17	1.13	Not Available	0.00
	Asia-ex 4 Tigers	30.16	50.75				Africa	1.89	6.62		
	Not Classified	0.00	0.00								
>75											

Top 10 Holdings as of 09-30-2022

25-50

50-75

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
∋ Capital Group Central Cash Fund	9.10	9.10	-	_
∋ Microsoft Corp	3.08	12.18	-30.20	Technology
igodolog Kotak Mahindra Bank Ltd	2.15	14.32	1.34	Financial Services
$oldsymbol{eta}$ Taiwan Semiconductor Manufacturing Co Ltd	1.84	16.16	-30.04	Technology
$\oplus$ Kweichow Moutai Co Ltd Class A	1.75	17.91	-7.71	Consumer Defensive
igodolog Reliance Industries Ltd	1.71	19.63	0.71	Energy
€ Novo Nordisk A/S Class B	1.31	20.94	4.70	Healthcare
$oldsymbol{eta}$ Thermo Fisher Scientific Inc	1.27	22.21	-23.85	Healthcare
	1.23	23.44	-14.84	Financial Services
$\oplus$ Eli Lilly and Co	1.20	24.64	18.13	Healthcare

### Total Holdings 582

 $\oplus$  Increase  $\oplus$  Decrease otin New to Portfolio

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# Baird Aggregate Bond Inst BAGIX

### Portfolio Manager(s)

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

### Quantitative Screens

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

Management: The fund's management has been in place for 22.02 years.

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.3 is 49.15% lower than the Intermediate Core Bond category average.

### **Morningstar Investment Management LLC Analysis**

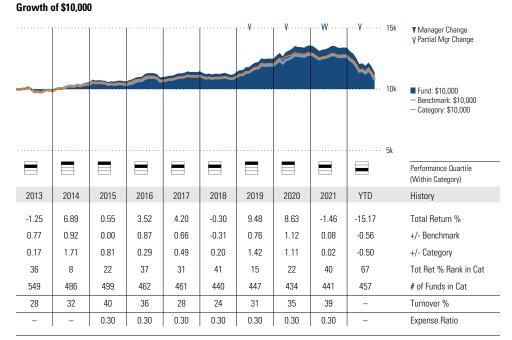
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

### **ESG Metrics**

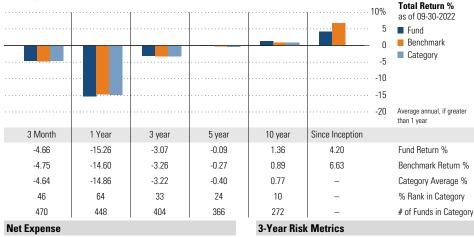
Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
ESG Commitment	1-Low	02-15-2022

Morningstar Category Intermediate Core Bond Morningstar Index

Bloomberg US Agg Bond TR USD



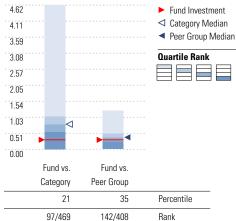
### **Trailing Performance**



Alpha

Beta

**R-Squared** 



Standard Deviation	5.71	5.36
Sharpe Ratio	-0.62	-0.70
Tracking Error	1.18	-
Information Ratio	0.16	-
Up Capture Ratio	113.98	-
Down Capture Ratio	106.21	-
Portfolio Metrics		
	Fund	Bmark

Fund

0.35

1 04

95.90

**Bmark** 

Cat

0.06

1 00

91.94

5.61

-0.67

1.53

-0.06

104.83

102.46

Cat

5 95

8.08

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

Fund Bmark Avg Eff Duration 6.58 4.43 Avg Eff Maturity 8.50 – the

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# Baird Aggregate Bond Inst BAGIX

### Style Analysis as of 09-30-2022 Style Breakdown Fixed Income Quality High Mid

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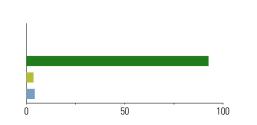
Not Rated

**Credit Rating Breakdown** Fund Bmark Cat 58.90 3.53 AAA 48.24 AA 3.70 74.59 11.54 12.90 10.82 А 24.71 BBB 23.90 8.32 12.75 BB 0.60 0.28 1.25 В 0.00 0.00 0.50 Below B 0.00 0.00 0.28

0.00

2.46

0.73



### Sector Weighting as of 09-30-2022

Asset Allocation as of 09-30-2022

	Fund	Bmark	Cat	Fund	۲	Benchma	rk 🛛 C	ategory	Average			
Government	28.46	_	30.91			-	-					
Treasury	28.43	-	24.98				-		)			
Inflation – Protected	0.00	-	1.47	i []								
Agency/Quasi Agency	0.03	-	1.12									
Other Government Related	0.00	-	3.34		0							
Corporate	38.86	_	26.16						)			
Corporate Bond	34.88	-	24.80									
Bank Loan	0.00	-	0.05	0								
Convertible	3.98	-	1.27									
Preferred	0.00	-	0.04	0								
Securitized	28.13	-	34.55									
Agency MBS Pass-Through	16.70	-	22.81						[			
Agency MBS ARM	0.00	-	0.18									
Agency MBS CMO	2.92	-	2.43									
Non-Agency Residential MBS	0.39	-	0.20	[								
Commercial MBS	4.61	-	2.81									
Asset-Backed	3.51	-	6.12									
Covered Bond	0.00	-	0.00	0								
Municipal	1.08	-	0.67	Û								
Cash & Equivalents	3.47	_	5.99									
Other	0.00	-	1.74									
				0%	5	10	15	20	25	30	35	4

### Top 10 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ United States Treasury Bonds 2.5%	02-2045	4.09	4.09	-
United States Treasury Bonds 2.88%	05-2043	3.42	7.52	_
⊖ First American Government Obligs U	02-2030	3.16	10.68	_
igodot United States Treasury Notes 0.38%	07-2024	3.02	13.70	_
United States Treasury Notes 1.13%	08-2028	2.96	16.67	-
$\odot$ United States Treasury Notes 2.25%	11-2025	2.81	19.48	-
⊖ United States Treasury Notes 2.25%	11-2027	2.02	21.50	_
$\odot$ United States Treasury Bonds 1.38%	11-2040	1.99	23.48	_
igodot United States Treasury Notes 2%	11-2026	1.65	25.13	-
⊕ United States Treasury Notes 1.25%	08-2031	1.60	26.73	-

### Total Holdings 1528

🕀 Increase  $\ominus$  Decrease 🕸 New to Portfolio

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**Morningstar Category** 

Intermediate Core Bond

Asset Class

US Stocks

Bonds

Cash

Other

Total

Non-US Stocks

**Morningstar Index** d TR USD

Net %

0.00

0.00

92.52

3.43

4.05

100.00

Cat%

0.05

0.00

94.93

2.71

2.30

100.00

Bloomberg	US Agg	Boug	IK	ι

# BlackRock High Yield Bond K BRHYX

### Portfolio Manager(s)

James Keenan since 12-2007 Mitchell Garfin since 05-2009 Derek Schoenhofen 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 14.76 years.

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.49 is 45.56% lower than the High Yield Bond category average.

### **Morningstar Investment Management LLC Analysis**

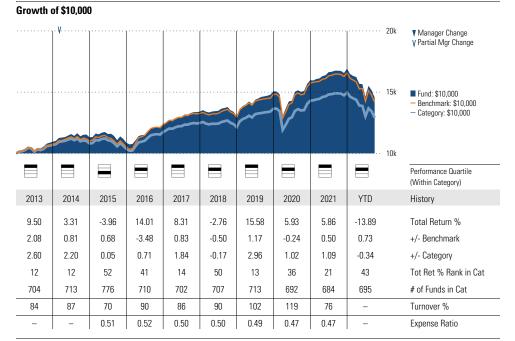
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

### **ESG Metrics**

Metric ESG Commitment

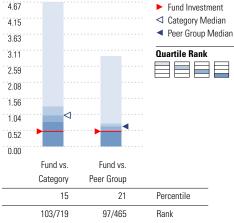
Rating 2-Basic Updated

02-15-2022



### **Trailing Performance**





9	-	% F	lank in Cate	gory
403	-	# of	Funds in Ca	tegory
3-Year Risk	Metrics			
		Fund	Bmark	Cat
Alpha		0.46	-	-0.22
Beta		1.01	-	0.95
R-Squared		99.37	-	95.19
Standard Devia	tion	11.24	11.14	10.79
Sharpe Ratio		-0.02	-0.06	-0.07
Tracking Error		0.90	-	2.50
Information Rat	io	0.50	-	-0.16
Up Capture Rati	0	100.80	-	91.62
Down Capture F	latio	97.28	-	93.77

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	3.81	-	3.71
Avg Eff Maturity	7.14	-	5.59

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

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Morningstar Index **Morningstar Category** High Yield Bond

ICE BofA US High Yield TR USD

# BlackRock High Yield Bond K BRHYX

### Style Analysis as of 09-30-2022

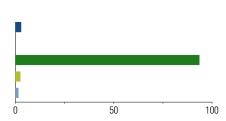




Duration

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	2.40	-	1.75
AA	0.00	-	0.05
А	0.16	-	0.19
BBB	1.63	-	4.19
BB	35.33	-	35.65
В	41.99	-	37.64
Below B	15.84	-	18.17
Not Rated	2.65	-	2.36

Asset Allocation	as of 09-30-2022
ASSCI AIIUGALIUII	as 01 00-00-2022



### Sector Weighting as of 09-30-2022

	Fund	Bmark	Cat	Fund 🔹 I	Benchmark	Category Average
Government	0.03	-	2.39			
Treasury	0.00	-	0.69	0		
Inflation – Protected	0.00	-	0.01	0		
Agency/Quasi Agency	0.03	-	0.12	0		
Other Government Related	0.00	-	1.57	10		
Corporate	96.49	-	88.30			
Corporate Bond	80.60	-	81.83			
Bank Loan	14.42	-	5.20			
Convertible	1.47	-	1.18	0		
Preferred	0.00	-	0.09			
Securitized	0.33	-	2.07	I []		
Agency MBS Pass-Through	0.00	-	0.06	0		
Agency MBS ARM	0.00	-	0.00	0		
Agency MBS CMO	0.00	-	0.22			
Non-Agency Residential MBS	0.00	-	0.14			
Commercial MBS	0.00	-	0.61	0		
Asset-Backed	0.33	-	1.04	0		
Covered Bond	0.00	-	0.00	0		
Municipal	0.00	-	0.03			
Cash & Equivalents	3.05	-	6.13			
Other	0.10	-	1.08			

 $0\% \ 5 \ 10 \ 15 \ 20 \ 25 \ 30 \ 35 \ 40 \ 45 \ 50 \ 55 \ 60 \ 65 \ 70 \ 75 \ 80 \ 85 \ 90 \ 9\mathbf{\overline{3}00}$ 

### Top 10 Holdings as of 09-30-2022

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	-
① 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  $\ominus$  Decrease 🕸 New to Portfolio

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Morningstar Category Morning

Asset Class

US Stocks

Bonds

Cash

Other

Total

Non-US Stocks

High Yield Bond

Morningstar Index ICE BofA US High Yield TR USD

Net %

2.77

0.00

93.46

2.37

1.40

100.00

Cat%

0.89

0.03

91.71

3.24

4.13

100.00

# PIMCO Commodity Real Ret Strat Instl PCRIX

Updated

### Portfolio Manager(s)

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

### Quantitative Screens

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

Management: The fund's management has been in place for 3.92 years.

Style Consistency is not calculated for Fixed Income funds.

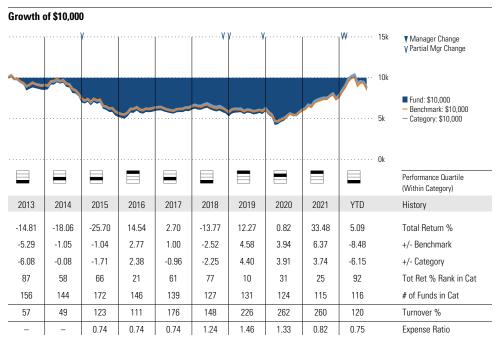
Net Expense: The fund's expense ratio of 0.76 is 26.92% lower than the Commodities Broad Basket category average.

### **Morningstar Investment Management LLC Analysis**

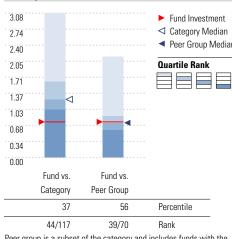
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

### ESG Metrics

Metric Rating Sustainability Rating 08-31-2022 3







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

Benchmark Category Average annual, if greater Fund Return % Benchmark Return % Category Average % % Rank in Category # of Funds in Category Bmark Cat 0.25 1 03 86.02 18 76 21 13 0 73 0.70 7.77 Information Ratio 0.19 0.08 Up Capture Ratio 113.17 102.21 Down Capture Ratio 115.56 102.72 **Portfolio Metrics** 

	Fund	Bmark	Cat
Price/Earnings Ratio	12.32	-	8.51
Price/Book Ratio	1.51	-	1.62
Geom Avg Mkt Cap \$B	20.09	-	29.32
ROE	16.78	-	22.38

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Morningstar Index

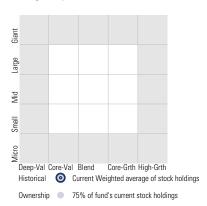
Commodities Broad Basket

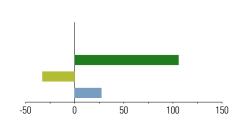
Morningstar Category

Bloomberg Commodity TR USD

# PIMCO Commodity Real Ret Strat Instl PCRIX

Style Analysis as of 09-30-2022 Morningstar Style Box™





Total	100.00	100.00
Other	27.14	14.29
Cash	-32.77	44.53
Bonds	105.63	39.10
Non-US Stocks	0.00	0.94
US Stocks	0.00	1.14
Asset Class	Net %	Cat%

### Sector Weighting as of 09-30-2022

Asset Allocation as of 09-30-2022

		Fund	Bmark	Cat	Fun	t	<ul> <li>Bend</li> </ul>	hmark	] Ca	ategory	Avera	ge			
Դ	Cyclical	-	-	47.24											
ŵ.	Basic Materials	-	-	47.24											[
A	Consumer Cyclical	-	-	0.00	Ó										
<b>e</b>	Financial Services	-	-	0.00	0										
æ	Real Estate	-	-	0.00	Ū										
M	Sensitive	-	-	41.11											
d	Communication Services	-	-	0.00	Ó										
0	Energy	-	-	38.04									0		
₽	Industrials	-	-	3.07											
	Technology	-	-	0.00	ĺ										
•	Defensive	-	-	11.65											
-	Consumer Defensive	-	-	11.04			0								
÷	Healthcare	-	-	0.61	0										
<b>9</b>	Utilities	-	-	0.00	Ó										
					0%	5	10	15	20	25	30	35	40	45	5

Style Breakdown Equity



### Weight %

>50 25-50 10-25 0-10

### Top 15 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
United States Treasury Notes 0.125%	21.22	21.22	_	_
$\odot$ U S TIPS REV REPO	21.20	42.42	_	-
$\odot$ U S TIPS REV REPO	21.17	63.59	_	-
蓉 Offset: Unsettled Trades	17.24	80.83	_	-
$\oplus$ 2 Year Treasury Note Future Sept 22	12.37	93.20	-	-
$\oplus$ United States Treasury Notes 0.625%	9.25	102.45	_	_
∋ 10 Year Treasury Note Future Sept 22	8.54	110.99	_	-
United States Treasury Notes 0.125%	8.40	119.39	_	-
$\odot$ Fin Fut 10Yr Jgb Ose 09/12/22	8.26	127.65	_	-
$\oplus$ 3 Month Euribor TAS Future Mar 23	7.05	134.70	-	-
类 Cash Offset	6.91	141.61	_	-
∋ Euro Schatz Future Sept 22	6.87	148.48	_	-
⊕ Pimco Cayman Cmdty Fd Ltd Instl	6.82	155.30	_	-
$\oplus$ United States Treasury Notes 0.75%	6.69	161.99	_	-
$\oplus$ EUROPEAN MONETARY UNION EURO Purchased	6.04	168.04	_	-

### Total Holdings 859

🕀 Increase 👄 Decrease 🕸 New to Portfolio

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Commodities Broad Basket Bloomberg Commodity TR USD

**Morningstar Category Morningstar Index** 

# PIMCO Income Insti PIMIX

### 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 15.52 years.

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.51 is 48.48% lower than the Multisector Bond category average.

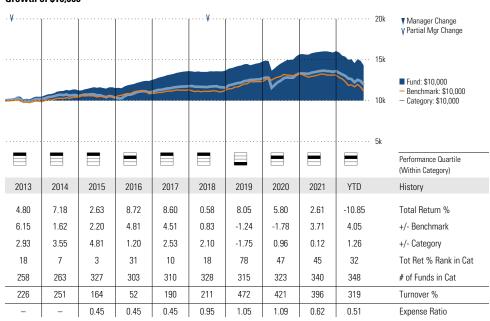
### Morningstar Investment Management LLC Analysis

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.

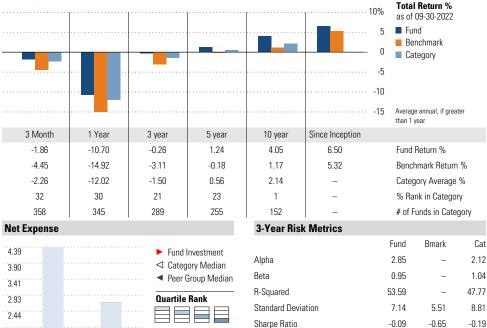


Morningstar Category Multisector Bond

Morningstar Index Bloomberg US Universal TR USD



### **Trailing Performance**



Tracking Error

Information Ratio

 3.90

 Category Median

 3.41

 Peer Group Median

 2.93

 2.44

 1.46

 0.98

 0.49

 0.00
 Fund vs.
 Fund vs.
 Category
 Peer Group

Up Capture Ratio 116.58 121.01 Down Capture Ratio 77.76 94.57 **Portfolio Metrics** Fund Bmark Cat Avg Eff Duration 2 94 4 55 4.01 Avg Eff Maturity 4.83 7.69 7.95

4.87

0.59

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

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6.61

0.32

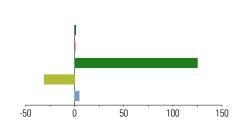
# PIMCO Income Insti PIMIX

### Style Analysis as of 09-30-2022 Style Breakdown



Duration

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	40.76	67.64	21.84
AA	5.76	3.23	4.26
А	4.00	10.03	8.50
BBB	16.91	10.89	21.28
BB	18.59	3.19	18.20
В	4.74	3.64	16.05
Below B	9.24	1.38	5.79
Not Rated	0.00	0.00	4.08



Asset Allocation as of 09-30-2022

### Asset Class Net % Cat% US Stocks 1.12 1.56 Non-US Stocks 0.18 0.41 Bonds 124.99 96.06 Cash -31.14 0.11 Other 4.61 2.08 Total 100.00 100.00

**Morningstar Index** 

Bloomberg US Universal TR USD

Morningstar Category

Multisector Bond

### Sector Weighting as of 09-30-2022 Benchmark [] Category Average Fund Bmark Cat Fund Government 26.92 23.86 3.04 8.65 0 Treasurv _ 0 Inflation - Protected 1.26 0.43 0.21 i II. Agency/Quasi Agency 0.96 Other Government Related 22.41 13.82 36.52 Corporate 7.38 _ Corporate Bond 5.00 30.82 Π Bank Loan 1.02 _ 2.84 Convertible 1.08 2.38 Preferred 0.28 ſ. _ 0.48 Securitized 20.33 26.27 _ Agency MBS Pass-Through 8.24 7.83 Î Agency MBS ARM 0.00 0.00 _ Agency MBS CMO 0.64 0.61 Non-Agency Residential MBS 3.19 1.59 Commercial MBS 0.20 5.44 Ì Asset-Backed 8 06 10.80 _ Covered Bond 0.00 0.00 П Municipal 0.04 _ 0.37 **Cash & Equivalents** 24.67 7.42 _ Other 18.58 _ 5.27 0% 5 10 15 20 25 30 35 40

### Top 10 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
娄 Cash Offset	_	25.21	25.21	_
娄 Offset: Unsettled Trades	-	15.76	40.97	-
€ CDX HY38 5Y ICE	06-2027	9.46	50.44	-
⊖ IRO USD 1Y P 1.27000 L 11/02/22 GLM	11-2022	8.85	59.29	-
⊖ IRS USD 0.70000 12/14/21-3Y LCH Pay	12-2024	8.66	67.95	-
⊖ IRS USD 0.80000 12/14/21-3Y LCH Pay	12-2024	8.65	76.60	_
	12-2024	8.16	84.77	-
	12-2024	8.16	92.93	-
⊖ 10 Year Treasury Note Future Sept 22	09-2022	7.46	100.38	-
$\odot$ BRITISH POUND STERLING Sold	08-2022	6.75	107.13	-

### Total Holdings 8056

🕀 Increase  $\ominus$  Decrease 🕸 New to Portfolio

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# PIMCO International Bond (USD-Hdg) Instl PFORX

Updated

04-30-2022

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 10 of the 10 years it's been in existence.

*Management:* The fund's management has been in place for 8.02 years.

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.51 is 31.08% lower than the Global Bond-USD Hedged category average.

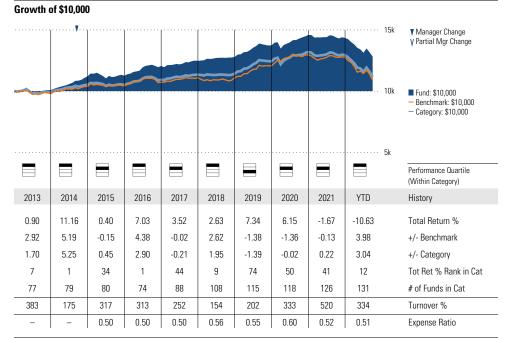
### Morningstar Investment Management LLC Analysis

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

 Sustainability Rating
 2



Morningstar Category

Global Bond-USD Hedged

### Trailing Performance



Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	6.67	4.43	6.92
Avg Eff Maturity	7.68	-	7.77

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

27/81

34

Percentile

Rank

Peer Group

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Category 27

36/133



Morningstar Index

Bloomberg US Agg Bond TR USD

# PIMCO International Bond (USD-Hdg) Instl PFORX

### Style Analysis as of 09-30-2022





Duration

	,	 		
0		50		100

Total	100.00	100.00
Other	1.75	1.34
Cash	25.39	8.88
Bonds	72.83	89.76
Non-US Stocks	0.03	0.02
US Stocks	0.00	0.00
Asset Class	Net %	Cat%

**Morningstar Index** 

Bloomberg US Agg Bond TR USD

**Morningstar Category** 

Global Bond-USD Hedged

### Sector Weighting as of 09-30-2022

Asset Allocation as of 09-30-2022

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	38.20	3.53	28.16
AA	19.50	74.59	13.39
Ą	24.27	10.82	29.25
BBB	12.34	8.32	16.02
BB	2.18	0.28	5.41
3	0.87	0.00	2.47
Below B	2.65	0.00	0.52
Not Rated	0.00	2.46	4.79

	Fund	Bmark	Cat	Fund		• Benc	hmark	] Ca	ategory	Avera	ge			
Government	40.62	-	48.81											
Treasury	5.10	-	36.04								0			
Inflation – Protected	0.41	-	1.12	1										
Agency/Quasi Agency	1.49	-	5.97		0									
Other Government Related	33.62	-	5.68											
Corporate	3.60	-	12.31			0								
Corporate Bond	2.60	-	11.41			0								
Bank Loan	0.06	-	0.11	0										
Convertible	0.76	-	0.79											
Preferred	0.18	-	0.00	ĺ,										
Securitized	8.07	-	5.28		0									
Agency MBS Pass-Through	2.80	-	2.75											
Agency MBS ARM	0.00	-	0.00	į.										
Agency MBS CMO	0.02	-	0.32	0										
Non-Agency Residential MBS	1.24	-	0.09											
Commercial MBS	0.25	-	0.46	0										
Asset-Backed	2.96	-	1.37											
Covered Bond	0.80	-	0.29	0										
Municipal	0.03	-	0.10	[										
Cash & Equivalents	31.75	-	19.83					[						
Other	15.04	-	13.55				0							
				0%	5	10	15	20	25	30	35	40	45	50

### Top 10 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊖ RFR USD SOFR/1.32000 12/21/22-1Y LCH Pay	12-2023	35.51	35.51	_
○ RFR USD SOFR/1.32000 12/21/22-1Y LCH Receive	12-2023	34.83	70.34	-
⊕ IRS EUR -0.25000 09/21/22-5Y LCH Pay	09-2027	19.92	90.26	-
IRS EUR -0.25000 09/21/22-5Y LCH Receive	09-2027	17.85	108.11	-
Euro Schatz Future Sept 22	09-2022	15.22	123.33	-
⊖ 2 Year Treasury Note Future Sept 22	10-2022	14.19	137.52	-
⊕ IRS EUR 0.25000 09/21/22-10Y LCH Pay	09-2032	12.95	150.46	-
⊖ IRS USD 1.27000 11/04/22-1Y (WHT) LCH Pay	11-2023	11.96	162.42	-
⊖ IRO USD 1Y P 1.27000 L 11/02/22 GLM	11-2022	11.92	174.34	-
⊖ IRS USD 1.27000 11/04/22-1Y (WHT) LCH Receive	11-2023	11.69	186.02	_

### Total Holdings 1724

🕀 Increase  $\ominus$  Decrease 🕸 New to Portfolio

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# PIMCO Short-Term Instl PTSHX

### 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 10 of the 10 years it's been in existence.

Management: The fund's management has been in place for 11.75 years.

Style Consistency is not calculated for Fixed Income funds.

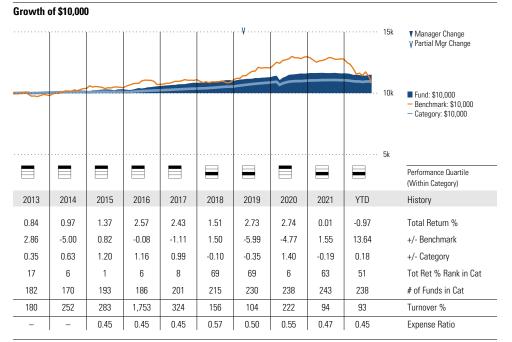
Net Expense: The fund's expense ratio of 0.45 is 4.26% lower than the Ultrashort Bond category average.

### Morningstar Investment Management LLC Analysis

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

### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	2	08-31-2022

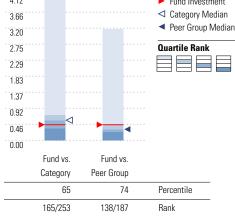


Morningstar Category

Ultrashort Bond







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

R-Squared 5.53 16.20 Standard Deviation 2 4 2 5.36 1.88 Sharpe Ratio 0.05 -0 70 -0.23 Tracking Error 5.34 5.17 Information Ratio 0.74 0.69 Up Capture Ratio 30.46 25.28 Down Capture Ratio 10.41 12.13 Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	0.18	4.43	0.90
Avg Eff Maturity	-	-	2.34

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Morningstar Index

Bloomberg US Agg Bond TR USD

# PIMCO Short-Term Instl PTSHX

## Style Analysis as of 09-30-2022





Duration

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	42.34	3.53	43.89
AA	4.03	74.59	6.32
A	23.62	10.82	18.20
BBB	28.38	8.32	21.88
BB	1.27	0.28	1.39
В	0.19	0.00	1.10
Below B	0.17	0.00	0.26
Not Rated	0.00	2.46	6.97

	Fund	Bmark	Cat	Fund	۲	Benchmark	[] C	ategory /	Average			
Government	29.61	-	15.37		-		)					
Treasury	0.02	-	9.99									
Inflation – Protected	0.00	_	0.00	Ó								
Agency/Quasi Agency	5.08	_	1.26									
Other Government Related	24.51	_	4.12		1							
Corporate	25.84	-	36.35								0	
Corporate Bond	22.70	-	31.57			-						
Bank Loan	0.00	-	0.37	0								
Convertible	3.14	-	4.41		0							
Preferred	0.00	-	0.00	Ì								
Securitized	15.50	-	20.65					[				
Agency MBS Pass-Through	0.44	-	0.50	0								
Agency MBS ARM	0.08	-	0.58	[]								
Agency MBS CMO	1.48	-	3.09									
Non-Agency Residential MBS	0.71	-	0.40	0								
Commercial MBS	2.08	-	1.26									
Asset-Backed	10.71	-	14.82		-		0					
Covered Bond	0.00	-	0.00	0								
Municipal	0.07	-	1.00	10								
Cash & Equivalents	22.27	-	26.44						0			
Other	5.28	-	0.09									
				0%	5	10	15	20	25	30	35	40

100

### Top 10 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
娄 Cash Offset	-	38.32	38.32	_
$\odot$ 5 Year Treasury Note Future Sept 22	10-2022	29.03	67.35	-
$\oplus$ 2 Year Treasury Note Future Sept 22	10-2022	8.68	76.03	-
⊖ CDX IG38 5Y ICE	06-2027	8.57	84.60	-
RFR USD SOFR/2.70423 07/06/22-2Y* CME Pay	03-2024	8.51	93.11	-
⊕ RFR USD S0FR/2.70423 07/06/22-2Y* CME Receive	03-2024	8.46	101.57	_
① RFR USD SOFR/2.66833 07/06/22-2Y* CME Pay	03-2024	5.89	107.46	-
① RFR USD SOFR/2.66833 07/06/22-2Y* CME Receive	03-2024	5.85	113.31	-
IRS USD R 3ML/1ML+9.75 01/13/22-23 CME Pay	01-2023	5.72	119.03	-
IRS USD R 3ML/1ML+9.75 01/13/22-23 CME Receive	01-2023	5.72	124.75	-

Asset Allocation as of 09-30-2022

50

### Total Holdings 1276

 $\oplus$  Increase  $\oplus$  Decrease otin New to Portfolio

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Morningstar Category Morning Ultrashort Bond Bloombe

Morningstar Index Bloomberg US Agg Bond TR USD

13.44 6.21	27.70
00.00	10.00
80.35	70.09
0.00	0.00
0.00	0.00
Net %	Cat%
	0.00 0.00

# Vanguard 500 Index Admiral VFIAX

### 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 6.43 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.

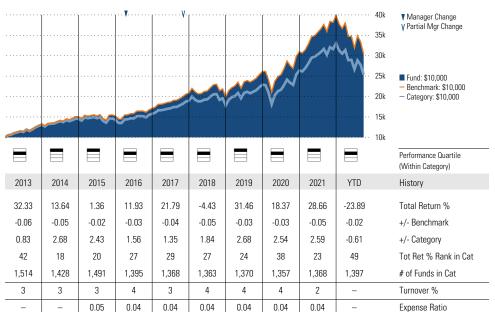
### Morningstar Investment Management LLC Analysis

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**

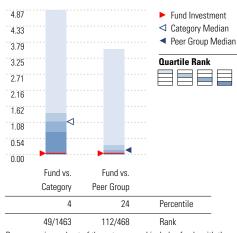
Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022





### **Trailing Performance**





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

Fund Return % Benchmark Return % Category Average % % Rank in Category # of Funds in Category Fund Bmark Cat Alpha -0.04 -1.32 1 00 0.96 Beta 100.00 **R-Squared** 95.48 Standard Deviation 20.30 20.30 19.87 Sharpe Ratio 0.45 0.45 0.37 Tracking Error 0.01 4.01 Information Ratio -3.65 -0.98 Up Capture Ratio 99.95 92.89 Down Capture Ratio 100.07 97.59

### **Portfolio Metrics** Fund Bmark Cat Price/Earnings Ratio 19.65 17.98 18.23 Price/Book Ratio 3.73 3.38 3.60 Geom Avg Mkt Cap \$B 182 15 164 20 210.33 ROE 32.18 31.94 32.91

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Morningstar Index

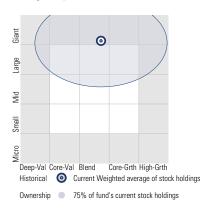
**Morningstar Category** 

Large Blend

S&P 500 TR USD

# Vanguard 500 Index Admiral VFIAX

Style Analysis as of 09-30-2022 Morningstar Style Box™







### Weight %

>50 25-50 10-25 0-10

### Top 15 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
	7.20	7.20	-21.79	Technology
€ Microsoft Corp	5.83	13.03	-30.20	Technology
€ Amazon.com Inc	3.30	16.33	-32.22	Consumer Cyclical
🕀 Tesla Inc	2.07	18.40	-24.70	Consumer Cyclical
	1.93	20.33	-33.97	Communication Svc
🕀 Alphabet Inc Class C	1.80	22.13	-33.54	Communication Svc
$oldsymbol{eta}$ Berkshire Hathaway Inc Class B	1.51	23.64	-10.70	Financial Services
Đ UnitedHealth Group Inc	1.45	25.10	1.52	Healthcare
Đ Johnson & Johnson	1.26	26.36	-2.57	Healthcare
	1.20	27.56	47.00	Energy
➔ NVIDIA Corp	1.13	28.69	-58.69	Technology
Deta Platforms Inc Class A	1.11	29.80	-59.66	Communication Svc
m lacksquare JPMorgan Chase & Co	1.00	30.79	-32.11	Financial Services
Đ Procter & Gamble Co	0.99	31.78	-21.17	Consumer Defensive
m lacksquare Visa Inc Class A	0.97	32.75	-17.50	Financial Services

Asset Allocation as of 09-30-2022

Sector Weighting as of 09-30-2022

0

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Energy

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F

Utilities

Cyclical

Basic Materials

Consumer Cyclical

Financial Services

**Communication Services** 

Real Estate

Sensitive

Industrials

Technology

Defensive

Healthcare

Consumer Defensive

50

Fund

29.27

2.25

11.21

12.96

2.85

46.26

8.42

4.68

8.47

24 69

24.48

7.19

14.16

3.13

Bmark

29.69

2.24

11.44

13 11

2.90

44.73

8.07

4.55

8.32

23.79

25.58

7.33

15.18

3.07

100

### Total Holdings 506

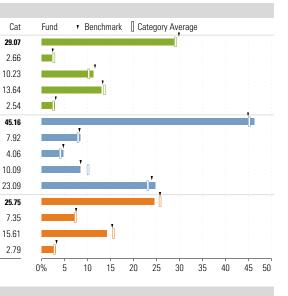
⊕ Increase ⊖ Decrease 🕸 New to Portfolio

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**Morningstar Category** Morningstar Index 📕 Large Blend S&P 500 TR USD

Asset Class	Net %	Cat%
US Stocks	98.23	94.84
Non-US Stocks	0.99	2.67
Bonds	0.00	0.87
Cash	0.77	0.53
Other	0.00	1.09
Total	100.00	100.00



# Vanguard Inflation-Protected Secs Adm VAIPX

### Portfolio Manager(s)

John Madziyire since 11-2021

### **Quantitative Screens**

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

× Management: The fund's management team has been in place for less than three years.

Style Consistency is not calculated for Fixed Income funds.

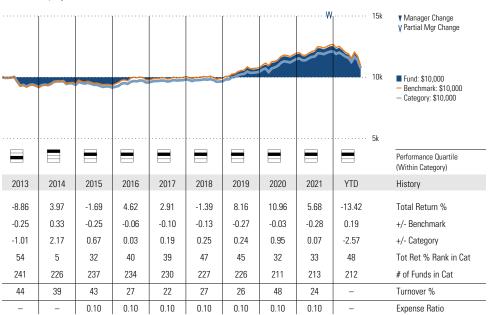
Net Expense: The fund's expense ratio of 0.1 is 83.05% lower than the Inflation-Protected Bond category average.

### **Morningstar Investment Management LLC Analysis**

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

### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2022

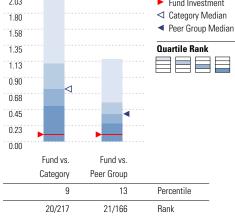


**Morningstar Category** 

Inflation-Protected Bond

### **Trailing Performance**





38	_	% Rank in Category			
128	-	# of	Funds in Ca	tegory	
3-Year Risk N	letrics				
		Fund	Bmark	Cat	
Alpha		-0.09	-	0.20	
Beta		0.97	-	0.91	
R-Squared		99.43	-	88.08	
Standard Deviatio	n	6.68	6.87	6.78	
Sharpe Ratio		0.04	0.06	0.10	
Tracking Error		0.54	-	2.52	
Information Ratio		-0.19	-	-0.20	
Up Capture Ratio		95.25	-	92.73	
Down Capture Rat	tio	96.11	-	90.87	
Portfolio Met	rics				

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	7.37	4.52	6.08
Avg Eff Maturity	7.70	-	6.57

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

characteristics.

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Morningstar Index Bloomberg US Treasury US TIPS TR

USD



# Vanguard Inflation-Protected Secs Adm VAIPX

### Style Analysis as of 09-30-2022



Duration

0	50	100

Total	100.00	100.00
Other	0.00	0.95
Cash	0.01	1.40
Bonds	99.99	97.50
Non-US Stocks	0.00	0.00
US Stocks	0.00	0.15
Asset Class	Net %	Cat%

### Sector Weighting as of 09-30-2022

Asset Allocation as of 09-30-2022

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	99.96	0.00	94.89
AA	0.00	99.60	0.55
A	0.00	0.00	1.01
BBB	0.00	0.00	2.40
BB	0.00	0.00	0.41
В	0.00	0.00	0.24
Below B	0.00	0.00	0.11
Not Rated	0.04	0.40	0.39

	Fund	Bmark	Cat	Fund	<ul> <li>Benchmark</li> </ul>	Category Average
Government	99.97	_	89.38			
Treasury	0.00	-	0.32	]		
Inflation – Protected	99.97	-	83.82			
Agency/Quasi Agency	0.00	-	0.03			
Other Government Related	0.00	-	5.21			
Corporate	0.00	-	2.54	10		
Corporate Bond	0.00	-	2.26	10		
Bank Loan	0.00	-	0.18			
Convertible	0.00	-	0.10	]		
Preferred	0.00	-	0.00			
Securitized	0.00	-	4.91			
Agency MBS Pass-Through	0.00	-	0.60	0		
Agency MBS ARM	0.00	-	0.00			
Agency MBS CMO	0.00	-	0.41	0		
Non-Agency Residential MBS	0.00	-	0.24			
Commercial MBS	0.00	-	0.84	0		
Asset-Backed	0.00	-	2.64	[]		
Covered Bond	0.00	-	0.18	1		
Municipal	0.00	-	0.02	0		
Cash & Equivalents	0.03	-	2.40			
Other	0.00	-	0.74	(		

0% 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 9**5**00

### Top 10 Holdings as of 09-30-2022 Name Maturity Date % Net Asset Cumulative % Fixed Income Sector United States Treasury Notes 6.32 6.32 _ United States Treasury Notes 4.11 10.44 _ ⊖ United States Treasury Notes 3.73 14.17 _ ① United States Treasury Notes 3.54 17.71 _ ⊕ United States Treasury Notes 3.33 21.04 _ United States Treasury Notes 3.23 24.27 _ _ ⊖ United States Treasury Notes 2.99 27.26 _ 30.14 United States Treasury Notes 2.88 _ United States Treasury Notes 2.80 32.94 _ ⊖ United States Treasury Notes 2.74 35.68 _

### Total Holdings 49

⊕ Increase ⊖ Decrease 🕸 New to Portfolio

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Morningstar Category Blo Inflation-Protected Bond

Morningstar Index Bloomberg US Treasury US TIPS TR USD

# Vanguard International Growth Adm VWILX

Portfolio Manager(s)

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

### Quantitative Screens

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

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

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

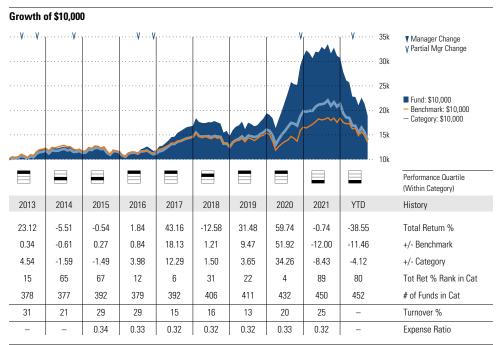
Net Expense: The fund's expense ratio of 0.32 is 69.52% lower than the Foreign Large Growth category average.

### **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.

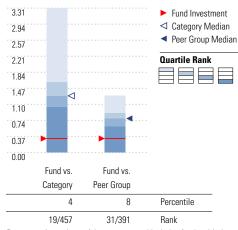
### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022



### **Trailing Performance**





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

227   -	# of Funds in Category				
3-Year Risk Metrics					
	Fund	Bmark	Cat		
Alpha	6.31	-	0.70		
Beta	1.04	-	0.97		
R-Squared	72.31	-	83.00		
Standard Deviation	23.42	19.12	20.41		
Sharpe Ratio	0.24	-0.04	0.00		
Tracking Error	12.35	-	8.47		
Information Ratio	0.44	-	0.06		
Up Capture Ratio	116.70	-	105.45		
Down Capture Ratio	95.06	-	103.29		

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	19.92	11.53	17.83
Price/Book Ratio	3.66	1.45	2.68
Geom Avg Mkt Cap \$B	73.94	37.04	42.78
BOE	18 47	18.66	21.82

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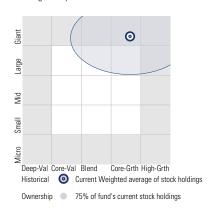


Morningstar Category Morningstar Index Foreign Large Growth

MSCI EAFE NR USD

# Vanguard International Growth Adm VWILX

Style Analysis as of 09-30-2022 Morningstar Style Box™





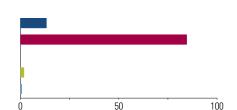


Weight %

<25

>50 25-50 10-25 0-10

### World Regions % Equity 09-30-2022



Asset Allocation as of 09-30-2022

Sector Weighting as of 09-30-2022

Basic Materials

Consumer Cyclical

Financial Services

**Communication Services** 

Real Estate

Sensitive

Industrials

Technology

Defensive

Healthcare

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**Consumer Defensive** 

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Դ Cyclical

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Energy

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Utilities

### Asset Class Net % Cat% US Stocks 13.15 7.17 Non-US Stocks 84.51 89.29 Bonds 0.00 0.06 Cash 1.71 3.04 Other 0.62 0.44 Total 100.00 100.00

### Benchmark [] Category Average Bmark Cat Fund Fund 37.82 38.61 34.60 0.51 7.50 6.46 27.26 10.50 12.47 10.05 17 65 14 87 0.00 2.96 0.80 i [] 38.35 33.04 39.45 7.77 5.11 4.52 3.90 2.21 5.02 10.61 14.77 15.63 17.76 8.14 15.40 23.82 28.34 25.94 5.96 11.17 9.56 16.84 13.99 15.41 1.02 3.18 0.97 0% 5 10 15 20 25

30 35 40 **•** • • 0-+ 0 . ... . .

			Greater Asia	Fund % 30.70	Cat % 27.73	Americas	Fund % 20.83	Cat % 15.17	Greater Europe	Fund % 48.47	Cat % 57.11	Market Maturity	Fund %	
			Japan Australasia Asia-4 Tigers Asia-ex 4 Tigers	7.36 0.61 7.97 14.76	11.15 1.91 6.07 8.60	North America Central/Latin	15.22 5.61	13.28 1.89	United Kingdom W euro-ex UK Emrgng Europe Africa	7.14 41.00 0.00 0.33	12.20 44.27 0.03 0.61	Developed Markets Emerging Markets Not Available	79.63 20.37 0.00	
5-50	50-75	>75	Not Classified	0.00	0.00									

Top 10 Holdings as of 09-30-2022

25-

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
igeq ASML Holding NV	5.84	5.84	-37.96	Technology
∋ MercadoLibre Inc	4.56	10.40	-38.61	Consumer Cyclical
ightarrow Tencent Holdings Ltd	3.88	14.28	-44.79	Communication Svc
€ Adyen NV	3.55	17.83	-43.68	Technology
igap Taiwan Semiconductor Manufacturing Co Ltd	3.47	21.30	-30.04	Technology
ightarrow Tesla Inc	3.23	24.54	-24.70	Consumer Cyclical
Moderna Inc	3.18	27.72	-53.44	Healthcare
$\supset$ Kering SA	2.85	30.57	-33.43	Consumer Cyclical
Illumina Inc	2.54	33.11	-49.85	Healthcare
$\oplus$ Alibaba Group Holding Ltd Ordinary Shares	2.45	35.56	-17.44	Consumer Cyclical

Total Holdings 145

🕀 Increase  $\ominus$  Decrease 🕸 New to Portfolio

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Morningstar Category Foreign Large Growth

MSCI EAFE NR USD

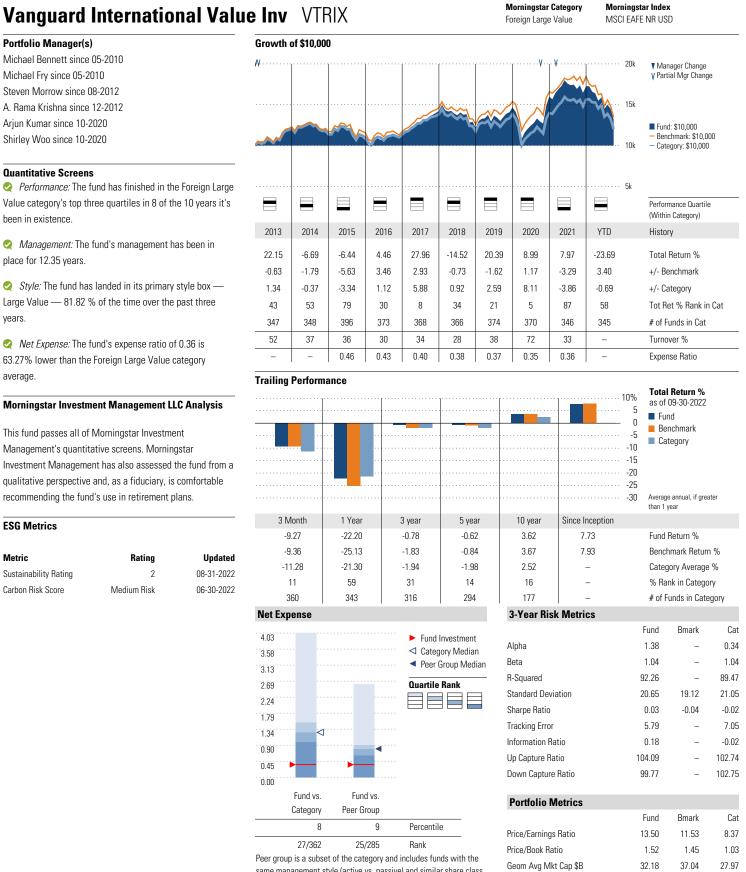
Morningstar Index

years.

average.

Metric

# Vanguard International Value Inv VTRIX



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

ROE

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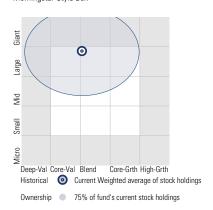
18.66

16.85

14.40

# Vanguard International Value Inv VTRIX

**Style Analysis** as of 09-30-2022 Morningstar Style Box™





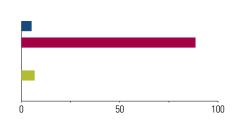


Weight %

<25

>50 25-50 10-25 0-10

### World Regions % Equity 09-30-2022



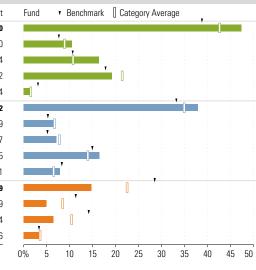
### Sector Weighting as of 09-30-2022

Asset Allocation as of 09-30-2022

		Fund	Bmark	Cat
Դ	Cyclical	47.36	38.61	42.60
<i>.</i>	Basic Materials	10.46	7.50	8.90
A	Consumer Cyclical	16.32	10.50	10.74
цф	Financial Services	19.15	17.65	21.42
ŵ	Real Estate	1.43	2.96	1.54
w	Sensitive	37.94	33.04	34.92
g	Communication Services	6.51	5.11	6.69
0	Energy	7.10	5.02	7.77
¢	Industrials	16.43	14.77	13.95
	Technology	7.90	8.14	6.51
-	Defensive	14.71	28.34	22.49
F	Consumer Defensive	4.98	11.17	8.49
٠	Healthcare	6.43	13.99	10.44
9	Utilities	3.30	3.18	3.56

# Morningstar CategoryMorningstar IndexForeign Large ValueMSCI EAFE NR USD

Asset Class	Net %	Cat%
US Stocks	5.02	2.62
Non-US Stocks	88.42	95.07
Bonds	0.00	0.07
Cash	6.55	2.14
Other	0.00	0.09
Total	100.00	100.00



		Greater Asia	Fund % 37.94	Cat % 31.10	Americas	Fund % 11.87	Cat % 8.91	Greater Europe	Fund % 50.17	Cat % 59.99	Market Maturity	Fund %
		Japan	10.41	17.03	North America	7.38	7.67	United Kingdom	16.07	18.32	Developed Markets	80.33
		Australasia	1.61	3.76	Central/Latin	4.49	1.24	W euro-ex UK	33.04	41.06	Emerging Markets	19.67
		Asia-4 Tigers	11.71	7.20				Emrgng Europe	0.00	0.09	Not Available	0.00
		Asia-ex 4 Tigers	14.21	3.11				Africa	1.06	0.52		
		Not Classified	0.00	0.00								
50-75	>75											

Top 10 Holdings as of 09-30-2022

25-50

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Mktliq 12/31/2049	4.85	4.85	_	_
$\oplus$ Alibaba Group Holding Ltd Ordinary Shares	1.44	6.29	-17.44	Consumer Cyclical
$\oplus$ HSBC Holdings PLC	1.38	7.67	8.99	Financial Services
	1.37	9.04	14.15	Energy
€ Compass Group PLC	1.33	10.37	10.75	Consumer Cyclical
🕀 Holcim Ltd	1.33	11.69	-7.16	Basic Materials
$\oplus$ Novartis AG	1.30	12.99	-3.41	Healthcare
∋ Bank Bradesco SA ADR	1.27	14.26	20.01	Financial Services
	1.17	15.43	-6.19	Communication Svc
$\oplus$ BP PLC	1.12	16.55	35.18	Energy

### Total Holdings 238

 $\oplus$  Increase  $\oplus$  Decrease otin New to Portfolio

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# Vanguard Mid-Cap Growth Index Admiral VMGMX

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 9.61 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**

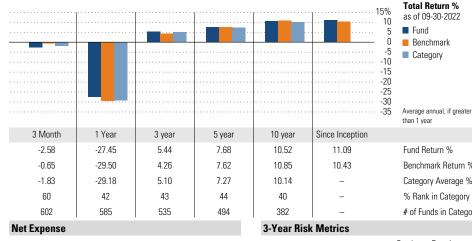
Metric	Rating	Updated
Sustainability Rating	4	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

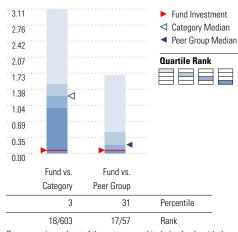


Morningstar Category

Mid-Cap Growth

### **Trailing Performance**





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

Benchmark Return % Category Average % % Rank in Category # of Funds in Category Fund Bmark Cat Alpha 1.18 0.85 Beta 0.99 1 00 98.69 **R-Squared** 91.53 Standard Deviation 24 28 24 18 25 14 Sharpe Ratio 0.31 0 26 0.28 Tracking Error 2.78 7.20 Information Ratio 0.42 -0.02 Up Capture Ratio 102.47 100.98 Down Capture Ratio 98.97 99.49

### **Portfolio Metrics** Fund Bmark Cat Price/Earnings Ratio 28.54 22 23 24 18 Price/Book Ratio 4.83 5.66 3.64 Geom Avg Mkt Cap \$B 24 50 18 22 14 41 ROE 18.66 25.45 18.11

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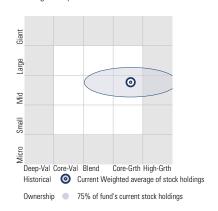
Morningstar Index

Russell Mid Cap Growth TR USD



# Vanguard Mid-Cap Growth Index Admiral VMGMX

Style Analysis as of 09-30-2022 Morningstar Style Box™







Weight %

>50 25-50 10-25 0-10

### Top 15 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
€ Synopsys Inc	1.86	1.86	-17.09	Technology
onumber  onumber	1.70	3.56	-12.30	Technology
Amphenol Corp Class A	1.53	5.09	-22.75	Technology
€ IQVIA Holdings Inc	1.50	6.59	-35.80	Healthcare
	1.47	8.07	-15.60	Real Estate
Đ Devon Energy Corp	1.37	9.44	45.18	Energy
m lacksquare Enphase Energy Inc	1.27	10.71	51.67	Technology
Đ Microchip Technology Inc	1.26	11.97	-28.95	Technology
Đ Digital Realty Trust Inc	1.25	13.22	-41.86	Real Estate
➔ MSCI Inc	1.23	14.45	-30.61	Financial Services
🕀 Cintas Corp	1.22	15.67	-11.72	Industrials
SBA Communications Corp	1.20	16.87	-26.28	Real Estate
E ResMed Inc	1.16	18.03	-15.70	Healthcare
• Waste Connections Inc	1.13	19.17	-0.33	Industrials
🕀 Cheniere Energy Inc	1.13	20.30	64.56	Energy

### Total Holdings 181

 $\oplus$  Increase  $\oplus$  Decrease R New to Portfolio

Asset Allocation as of 09-30-2022

Sector Weighting as of 09-30-2022

Basic Materials

Consumer Cyclical

Financial Services

**Communication Services** 

Real Estate

Sensitive

Industrials

Technology

Defensive

Healthcare

**Consumer Defensive** 

€ Cyclical

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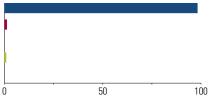
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Energy

¢

F

Utilities



Bmark

25.90

2.90

15.37

5.63

2.00

54.51

4.82

4.69

15.84

29.16

19.59

3.24

16.04

0.31

Fund

26.25

3.87

9.26

5.55

7.57

55.77

6.10

5.27

13.30

31.10

17.99

1.27

16.72

0.00

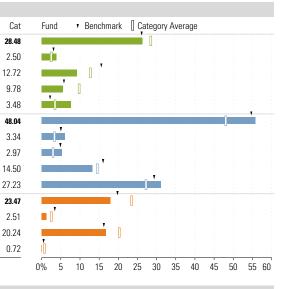
### Asset Class Net % Cat% US Stocks 98.12 92.12 Non-US Stocks 1.13 3.96 Bonds 0.00 0.07 Cash 0.75 3.50 0.00 Other 0.33 Total 100.00 100.00

Morningstar Index

Russell Mid Cap Growth TR USD

**Morningstar Category** 

Mid-Cap Growth



# Vanguard Mid-Cap Value Index Admiral VMVAX

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 16.13 years.

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

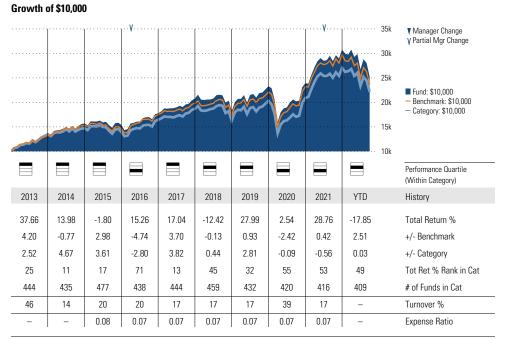
Net Expense: The fund's expense ratio of 0.07 is 92.93% lower than the Mid-Cap Value category average.

### 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	08-31-2022
Carbon Risk Score	Medium Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

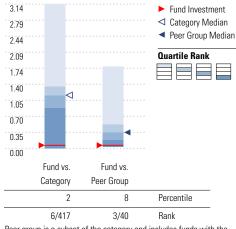


Morningstar Category

Mid-Cap Value

### **Trailing Performance**





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

Cat Alpha 0.43 0.52 Beta 0.96 1 00 99.20 **R-Squared** 96.16 Standard Deviation 22.98 23.86 24 29 Sharpe Ratio 0.30 0 28 0.29 Tracking Error 2.28 5.16 Information Ratio 0.16 0.07 Up Capture Ratio 96.41 99.34 Down Capture Ratio 94.87 98.03

# Fund Bmark Price/Earnings Ratio 14.47 12.78

Price/Earnings Ratio	14.47	12.78	12.07
Price/Book Ratio	2.21	1.86	1.68
Geom Avg Mkt Cap \$B	22.20	14.50	11.80
ROE	20.49	15.61	18.22

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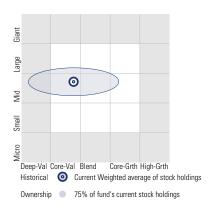


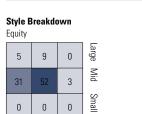
Cat

Russell Mid Cap Value TR USD

# Vanguard Mid-Cap Value Index Admiral VMVAX

Style Analysis as of 09-30-2022 Morningstar Style Box™





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0 0 Value Blend Growth

Weight %

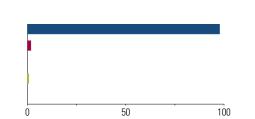
>50 25-50 10-25 0-10

### Top 15 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
$\ominus$ Corteva Inc	1.28	1.28	21.79	Basic Materials
$\ni$ Welltower OP LLC	1.20	2.48	-22.88	Real Estate
igodolog Arthur J. Gallagher & Co	1.15	3.63	1.82	Financial Services
∋ Nucor Corp	1.11	4.74	-4.96	Basic Materials
⊖ Dollar Tree Inc	1.09	5.82	-3.15	Consumer Defensive
$\ominus$ Consolidated Edison Inc	1.08	6.90	3.29	Utilities
e Carrier Global Corp Ordinary Shares	1.05	7.96	-33.89	Industrials
igodolog VICI Properties Inc Ordinary Shares	1.01	8.96	2.82	Real Estate
ightarrow WEC Energy Group Inc	1.00	9.97	-5.62	Utilities
⇒ M&T Bank Corp	0.98	10.94	17.15	Financial Services
∋ International Flavors & Fragrances Inc	0.97	11.91	-38.12	Basic Materials
$\ominus$ Eversource Energy	0.93	12.84	-12.21	Utilities
$\ominus$ The Kroger Co	0.92	13.77	-1.83	Consumer Defensive
ige > AvalonBay Communities Inc	0.92	14.68	-25.19	Real Estate
$\ominus$ Rockwell Automation Inc	0.91	15.59	-37.37	Industrials

### Total Holdings 203

⊕ Increase ⊖ Decrease 🕸 New to Portfolio



Fund

45.29

5.71

9.98

16.78

12.82

27.27

2.62

5.32

10.94

8.39

27.44

6.85

7.90

12.69

Bmark

46.07

5.87

10.16

17 84

12.20

33.19

3.59

5.26

14.35

9.99

20.72

4.43

7.39

8.90

Asset Allocation as of 09-30-2022

Sector Weighting as of 09-30-2022

Basic Materials

Consumer Cyclical

Financial Services

**Communication Services** 

Real Estate

Sensitive

Industrials

Technology

Defensive

Healthcare

Consumer Defensive

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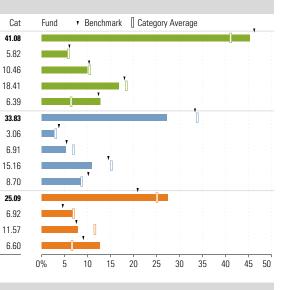
Energy

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F

Utilities

Asset Class	Net %	Cat%
US Stocks	97.71	90.50
Non-US Stocks	1.67	6.72
Bonds	0.00	0.05
Cash	0.62	2.46
Other	0.00	0.26
Total	100.00	100.00





Morningstar Category

Mid-Cap Value

Morningstar Index

Russell Mid Cap Value TR USD

## Vanguard Real Estate Index Admiral VGSLX

#### 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 26.4 years.

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

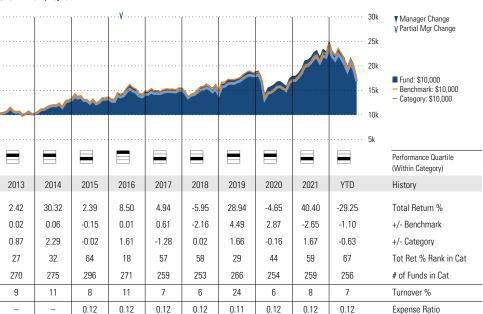
Net Expense: The fund's expense ratio of 0.12 is 88.35% lower than the Real Estate category average.

#### Morningstar Investment Management LLC Analysis

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

#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022



Morningstar Category

Real Estate

#### **Trailing Performance**



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

19/49

40

Percentile

Rank

Fund Bmark Cat Price/Earnings Ratio 27.45 38 46 26.25 Price/Book Ratio 2.48 2.42 2.16 Geom Avg Mkt Cap \$B 21 81 935 25.36 ROE 15.56 9.56 17.30

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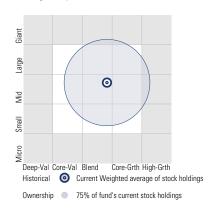
Morningstar Index

S&P United States REIT TR USD

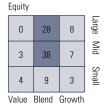


## Vanguard Real Estate Index Admiral VGSLX

**Style Analysis** as of 09-30-2022 Morningstar Style Box™







#### Weight %

>50 25-50 10-25 0-10

#### Top 15 Holdings as of 09-30-2022

0	50	100

0.00 0.79 0.00	4.15 2.36 8.16
0.00	4.15
0.04	1.44
99.17	83.90
Net %	Cat%
	99.17 0.04

Morningstar Index

S&P United States REIT TR USD

Morningstar Category

Real Estate

#### Sector Weighting as of 09-30-2022

Asset Allocation as of 09-30-2022

	Fund	Bmark	Cat	Fund	,	Be	nchma	rk	[] C	ateg	ory a	Ave	rage	9		
Cyclical	99.41	99.13	99.29													
Basic Materials	0.00	0.00	0.06	ĺ												
Consumer Cyclical	0.00	0.13	0.92	0												
Financial Services	0.00	0.00	0.25	Ó												
Real Estate	99.41	99.00	98.06				<u> </u>									
Sensitive	0.59	0.87	0.68	[												
Communication Services	0.54	0.00	0.13													
Energy	0.00	0.00	0.02													
Industrials	0.00	0.87	0.24	I												
Technology	0.05	0.00	0.29													
Defensive	0.00	0.00	0.03													
Consumer Defensive	0.00	0.00	0.00													
Healthcare	0.00	0.00	0.01													
Utilities	0.00	0.00	0.02	Í.												

 $^{0\% \ 5 \ 10 \ 15 \ 20 \ 25 \ 30 \ 35 \ 40 \ 45 \ 50 \ 55 \ 60 \ 65 \ 70 \ 75 \ 80 \ 85 \ 90 \ 9{\}color{red}500}$ 

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Vanguard Real Estate II Index	11.71	11.71	_	_
$\oplus$ American Tower Corp	7.39	19.09	-25.63	Real Estate
$\oplus$ Prologis Inc	5.87	24.96	-38.25	Real Estate
$\oplus$ Crown Castle Inc	4.71	29.68	-28.64	Real Estate
① Equinix Inc	3.81	33.49	-31.65	Real Estate
$\oplus$ Public Storage	3.33	36.82	-16.71	Real Estate
$\oplus$ Realty Income Corp	2.62	39.43	-15.60	Real Estate
$\ominus$ SBA Communications Corp	2.23	41.67	-26.28	Real Estate
⊕ Welltower OP LLC	2.14	43.81	-22.88	Real Estate
$\oplus$ Digital Realty Trust Inc	2.13	45.94	-41.86	Real Estate
🕀 Simon Property Group Inc	2.08	48.02	-40.63	Real Estate
$\oplus$ AvalonBay Communities Inc	1.79	49.81	-25.19	Real Estate
$\oplus$ VICI Properties Inc Ordinary Shares	1.78	51.59	2.82	Real Estate
$\oplus$ Extra Space Storage Inc	1.70	53.29	-21.84	Real Estate
	1.64	54.93	-37.78	Real Estate

#### Total Holdings 171

 $\oplus$  Increase  $\ominus$  Decrease R New to Portfolio



## Vanguard Small Cap Growth Index Admiral VSGAX

#### 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 17.76 years.

× *Style*: The fund has landed in its primary style box — Small Growth — 45.45 % of the time over the past three years.

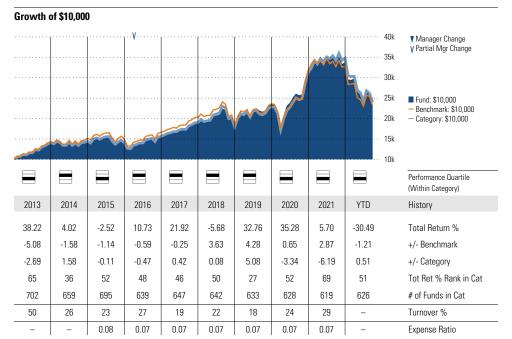
Net Expense: The fund's expense ratio of 0.07 is 94.12% lower than the Small Growth category average.

#### Morningstar Investment Management LLC Analysis

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

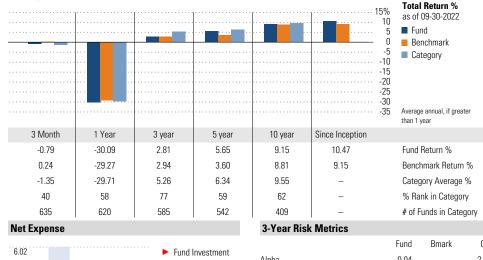
#### **ESG Metrics**

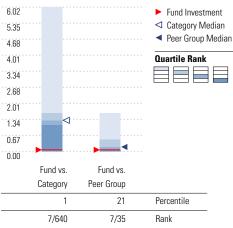
Metric	Rating	Updated
Sustainability Rating	4	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022



Small Growth

#### **Trailing Performance**





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

Cat Alpha -0.04 2.14 0.96 Beta 0.95 96.81 **R-Squared** 91.07 Standard Deviation 25 27 25.97 26.02 Sharpe Ratio 0.21 0.21 0.28 Tracking Error 4.65 7.98 Information Ratio -0.03 0.25 Up Capture Ratio 97.34 99.82 Down Capture Ratio 97.62 94.40

#### **Portfolio Metrics** Fund Bmark Cat Price/Earnings Ratio 23 04 13.92 20.21 Price/Book Ratio 3.60 3.41 3.60 Geom Avg Mkt Cap \$B 5 07 2 37 4 40 ROE 9.93 10.03 15.28

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Morningstar Category Morningstar Index

Russell 2000 Growth TR USD

## Vanguard Small Cap Growth Index Admiral VSGAX

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Energy

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Utilities

Cyclical

Basic Materials

Consumer Cyclical

Financial Services

**Communication Services** 

Real Estate

Sensitive

Industrials

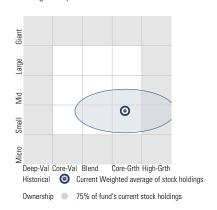
Technology

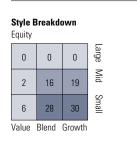
Defensive

Healthcare

**Consumer Defensive** 

Style Analysis as of 09-30-2022 Morningstar Style Box™





Weight %

>50 25-50 10-25 0-10

#### Top 15 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Slcmt1142	2.45	2.45	_	_
⊖ Entegris Inc	0.83	3.28	-39.88	Technology
⊖ Bio-Techne Corp	0.77	4.05	-44.92	Healthcare
⊖ Liberty Formula One Group C	0.67	4.72	-7.50	Communication Svc
⊖ PTC Inc	0.66	5.38	-13.66	Technology
⊖ Equity Lifestyle Properties Inc	0.63	6.00	-26.91	Real Estate
⊖ Nordson Corp	0.61	6.61	-16.19	Industrials
⊖ Fair Isaac Corp	0.61	7.22	-4.99	Technology
⊖ Repligen Corp	0.60	7.82	-29.35	Healthcare
⊖ Graco Inc	0.58	8.40	-24.86	Industrials
⊖ Texas Pacific Land Corp	0.58	8.98	44.63	Energy
igodot Darling Ingredients Inc	0.57	9.54	-4.53	Consumer Defensive
	0.55	10.09	-34.72	Real Estate
igodot American Homes 4 Rent Class A	0.53	10.63	-23.53	Real Estate
⊖ CubeSmart	0.52	11.15	-27.34	Real Estate

#### Total Holdings 713

⊕ Increase ⊖ Decrease 🕸 New to Portfolio

50 100

Fund

27.20

1.90

12.19

4.78

8.33

47.95

2.95

3.61

15.19

26.20

24.85

2.91

21.21

0.73

Bmark

22.42

4.64

9.56

6.09

2.13

45.97

2.30

6.53

16.49

20.65

31.62

4.53

1.92

25.17

Asset Class	Net %	Cat%
US Stocks	96.74	92.44
Non-US Stocks	0.61	4.23
Bonds	0.00	0.01
Cash	2.65	2.96
Other	0.00	0.37
Total	100.00	100.00

**Morningstar Index** 

Russell 2000 Growth TR USD

**Morningstar Category** 

Small Growth

Cat

26.13

2.94

10.91

944

2.84

45.90

2.05

3.69

16.99

23.17

27.98

4.67

22.34

0.97

#### Benchmark Category Average Fund 1 ľ 0% 5 10 15 20 25 30 35 40 45 50

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Asset Allocation as of 09-30-2022

Sector Weighting as of 09-30-2022

## Vanguard Small Cap Value Index Admiral VSIAX

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 6.43 years.

Style: The fund has landed in its primary style box — Small Value — 94.12 % of the time over the past three years.

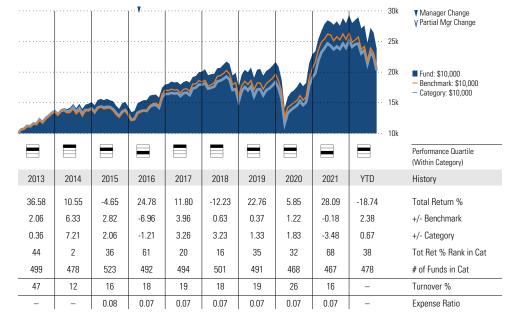
Net Expense: The fund's expense ratio of 0.07 is 93.91% lower than the Small Value category average.

#### **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.

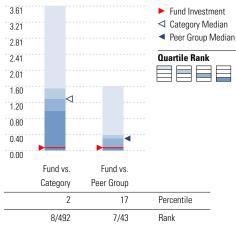
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	4	08-31-2022
Carbon Risk Score	Medium Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022



#### **Trailing Performance**





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

			3-1
3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	1.07	-	0.96
Beta	0.96	-	0.99
R-Squared	97.92	-	94.89
Standard Deviation	25.64	26.48	26.98
Sharpe Ratio	0.32	0.28	0.31
Tracking Error	3.86	-	6.33
Information Ratio	0.25	-	0.12
Up Capture Ratio	96.23	-	99.47
Down Capture Ratio	93.19	-	97.32
Portfolio Motrice			

Portiono metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	11.31	8.44	9.93
Price/Book Ratio	1.77	1.16	1.45
Geom Avg Mkt Cap \$B	5.23	1.65	3.37
ROE	17.99	7.02	16.19

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Morningstar Index

**Morningstar Category** 

Small Value

Russell 2000 Value TR USD

Growth of \$10,000

## Vanguard Small Cap Value Index Admiral VSIAX

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Utilities

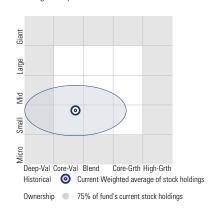
**Consumer Defensive** 

Healthcare

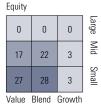
Asset Allocation as of 09-30-2022

50

Style Analysis as of 09-30-2022 Morningstar Style Box™









>50 25-50 10-25 0-10

#### Top 15 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Slcmt1142	0.82	0.82	_	_
⊕ Quanta Services Inc	0.71	1.54	11.35	Industrials
⊕ Molina Healthcare Inc	0.69	2.23	3.70	Healthcare
⊕ Atmos Energy Corp	0.60	2.83	-0.84	Utilities
⊕ IDEX Corp	0.57	3.40	-14.70	Industrials
$\oplus$ Carlisle Companies Inc	0.55	3.94	13.75	Industrials
€ Brown & Brown Inc	0.53	4.47	-13.51	Financial Services
€ Bunge Ltd	0.50	4.97	-9.76	Consumer Defensive
$\oplus$ Howmet Aerospace Inc	0.50	5.47	-2.64	Industrials
⊕ Steel Dynamics Inc	0.50	5.97	15.95	Basic Materials
🕀 Kimco Realty Corp	0.49	6.46	-22.84	Real Estate
⊕ Ovintiv Inc	0.47	6.93	38.58	Energy
$\oplus$ Booz Allen Hamilton Holding Corp Class A	0.45	7.39	10.44	Industrials
€ APA Corp	0.45	7.84	28.54	Energy
$\oplus$ Essential Utilities Inc	0.44	8.28	-21.39	Utilities

#### Total Holdings 895

⊕ Increase ⊖ Decrease 🕸 New to Portfolio





Asset Class Net % Cat% US Stocks 98.31 94.97 Non-US Stocks 0.69 2.90 Bonds 0.00 0.03 Cash 1.00 2.08 0.00 Other 0.02 Total 100.00 100.00

Morningstar Index

Russell 2000 Value TR USD

**Morningstar Category** 

Small Value

#### Sector Weighting as of 09-30-2022 Cat Fund Fund Bmark Cyclical 49.15 53.08 50.26 Basic Materials 5.74 3.36 5.71 Consumer Cyclical 11.44 9.92 12.73 20.80 **Financial Services** 26 51 24 49 Real Estate 11.17 13.29 7.33 Sensitive 35.26 26.23 35.83 **Communication Services** 1.89 2.88 1.93 Energy 6.56 6.36 5.32 Industrials 19.57 11.49 18.02 Technology 744 6.54 9.32 15.60 Defensive 20.70 13.92

4.73

5.68

5.19

3.44

12.22

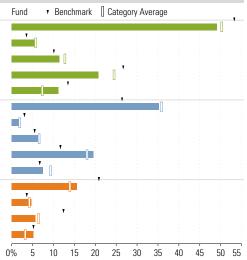
5.04

4.24

6.43

3.25

100



## Vanguard Target Retirement 2020 Fund VTWNX

#### 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 9.61 years.

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

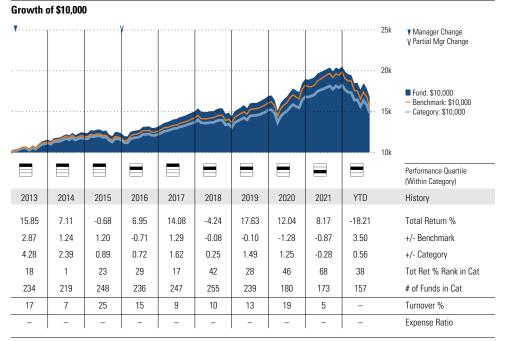
Net Expense: The fund's expense ratio of 0.08 is 87.1% lower than the Target-Date 2020 category average.

#### 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	08-31-2022
ESG Commitment	1-Low	02-15-2022

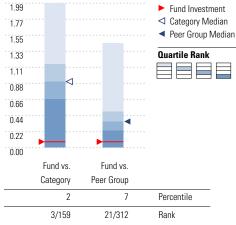


Morningstar Category

Target-Date 2020

#### **Trailing Performance**





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

Cat Alpha 0.94 0.49 0.90 0.91 Beta 98.34 **R-Squared** 96.55 Standard Deviation 10.98 12.06 11.16 Sharpe Ratio 0.10 0.02 0.06 Tracking Error 1.83 2.40 Information Ratio 0.54 0.26 Up Capture Ratio 92.96 91.63 Down Capture Ratio 87.00 88.58

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	15.53	14.18	14.40
Price/Book Ratio	2.29	2.10	2.20
Avg Eff Duration	6.19	-	5.74

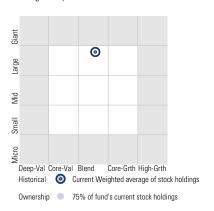
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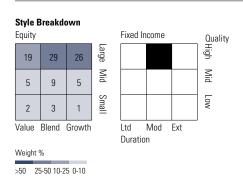


Morningstar Index Morningstar Lifetime Mod 2020 TR USD

## Vanguard Target Retirement 2020 Fund VTWNX

**Style Analysis** as of 09-30-2022 Morningstar Style Box™





## 

Other		
Other	0.50	8.25
Cash	3.13	2.84
Bonds	53.01	49.67
Non-US Stocks	16.96	14.05
US Stocks	26.39	25.18
Asset Class	Net %	Cat%

Morningstar Category

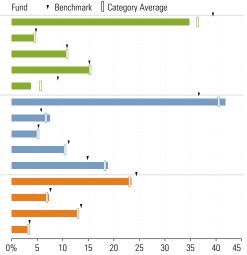
Target-Date 2020

Morningstar Index Morningstar Lifetime Mod 2020 TR USD

#### Sector Weighting as of 09-30-2022

Asset Allocation as of 09-30-2022

		Fund	Bmark	Cat	Fund
Դ	Cyclical	34.77	39.26	36.39	
æ.	Basic Materials	4.74	4.61	4.53	
A	Consumer Cyclical	10.77	10.69	10.84	
<b>"</b>	Financial Services	15.47	15.07	15.35	
ŵ	Real Estate	3.79	8.89	5.67	
w	Sensitive	41.83	36.49	40.53	
d	Communication Services	7.47	5.63	6.70	
0	Energy	4.86	5.12	5.15	
Ø	Industrials	10.66	11.02	10.43	
	Technology	18.84	14.72	18.25	
	Defensive	23.40	24.26	23.08	
F	Consumer Defensive	7.31	7.45	6.88	
٠	Healthcare	12.95	13.45	12.94	
9	Utilities	3.14	3.36	3.26	



#### Top 7 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Bond Market II Idx Inv	_	30.43	30.43	-	_
$\oplus$ Vanguard Total Stock Mkt ldx Instl PIs	-	26.82	57.25	_	-
$\oplus$ Vanguard Total Intl Stock Index Inv	-	17.38	74.63	-	-
⊖ Vanguard Total Intl Bd II Idx Insl	-	13.73	88.36	-	-
igodot Vanguard Shrt-Term Infl-Prot Sec Idx Adm	_	10.29	98.65	-	-
⊕ Mktliq 12/31/2049	-	1.28	99.93	-	-
🕀 Us Dollar	-	0.07	100.00	_	-

#### Total Holdings 7

 $\oplus$  Increase  $\ominus$  Decrease R New to Portfolio



## Vanguard Target Retirement 2025 Fund VTTVX

#### 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 9.61 years.

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

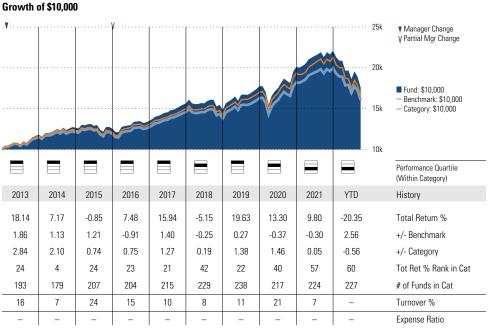
Net Expense: The fund's expense ratio of 0.08 is 88.06% lower than the Target-Date 2025 category average.

#### **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	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

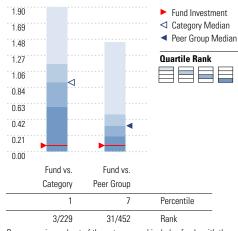


Morningstar Category

Target-Date 2025

#### **Trailing Performance**





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

Fund Bmark Cat Alpha 0.75 1.11 0.91 Beta 0.96 98.69 **R-Squared** 97.24 Standard Deviation 12 78 13 21 12 18 Sharpe Ratio 0.12 0.04 0.09 Tracking Error 1.55 2.51 Information Ratio 0.73 0.39 Up Capture Ratio 100.04 93.65 Down Capture Ratio 93.74 89.36

#### **Portfolio Metrics** Fund Bmark Cat Price/Earnings Ratio 15 52 14 04 14.57 Price/Book Ratio 2.29 2.08 2.25 Avg Eff Duration 671 6 68

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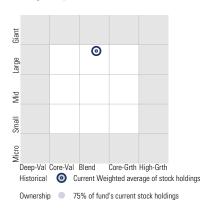


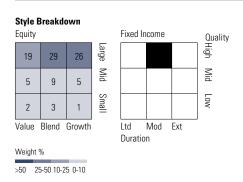
Morningstar Index Morningstar Lifetime Mod 2025 TR

USD

## Vanguard Target Retirement 2025 Fund VTTVX

**Style Analysis** as of 09-30-2022 Morningstar Style Box™





# 

0.45	11.77
2.74	3.36
42.02	38.70
21.49	15.10
33.30	31.08
Net %	Cat%
	33.30 21.49 42.02

Morningstar Category

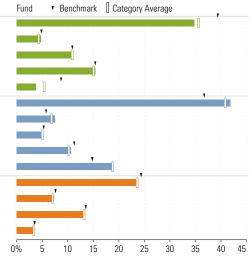
Target-Date 2025

Morningstar Index Morningstar Lifetime Mod 2025 TR USD

### Sector Weighting as of 09-30-2022

Asset Allocation as of 09-30-2022

		Fund	Bmark	Cat
Դ	Cyclical	34.81	39.22	35.59
æ.	Basic Materials	4.76	4.70	4.30
	Consumer Cyclical	10.78	10.75	10.86
ц.	Financial Services	15.46	15.23	15.05
ŵ	Real Estate	3.81	8.54	5.38
w	Sensitive	41.80	36.56	40.84
g	Communication Services	7.47	5.62	6.82
0	Energy	4.85	5.15	5.02
¢	Industrials	10.65	11.13	10.22
	Technology	18.83	14.66	18.78
	Defensive	23.39	24.21	23.57
F	Consumer Defensive	7.30	7.46	7.02
٠	Healthcare	12.94	13.38	13.19
Ç	Utilities	3.15	3.37	3.36
-				



#### Top 7 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
$\oplus$ Vanguard Total Stock Mkt ldx Instl PIs	_	33.84	33.84	_	-
$\ni$ Vanguard Total Bond Market II Idx Inv	-	27.56	61.40	-	-
$\oplus$ Vanguard Total Intl Stock Index Inv	-	22.02	83.42	-	-
$\ominus$ Vanguard Total Intl Bd II Idx Insl	-	12.32	95.74	-	-
$\oplus$ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	-	3.08	98.82	-	-
€ Mktliq 12/31/2049	_	1.16	99.99	-	-
🕀 Us Dollar	_	0.01	100.00	_	_

#### Total Holdings 7

 $\oplus$  Increase  $\oplus$  Decrease R New to Portfolio



## Vanguard Target Retirement 2030 Fund VTHRX

#### 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 9.61 years.

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

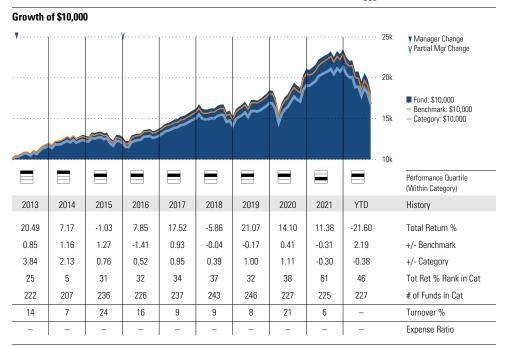
Net Expense: The fund's expense ratio of 0.08 is 88.24% lower than the Target-Date 2030 category average.

#### **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	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

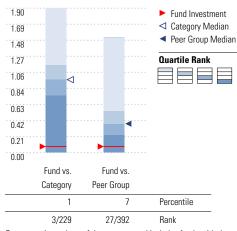


Morningstar Category

Target-Date 2030

#### **Trailing Performance**





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

Fund Bmark Cat Alpha 1.16 1.01 0.96 0.94 Beta **R-Squared** 99.18 98.16 Standard Deviation 14 11 14 65 13.83 Sharpe Ratio 0.15 0.07 0.14 Tracking Error 1.41 2.26 Information Ratio 0.84 0.53 Up Capture Ratio 100.00 97.46 94.04 92.27 Down Capture Ratio

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	15.50	13.89	14.73
Price/Book Ratio	2.29	2.05	2.30
Avg Eff Duration	7.02	_	6.88

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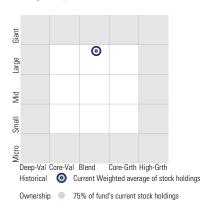


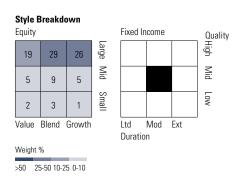
Morningstar Index Morningstar Lifetime Mod 2030 TR USD

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## Vanguard Target Retirement 2030 Fund VTHRX

Style Analysis as of 09-30-2022 Morningstar Style Box™





## 

Asset Allocation as of 09-30-2022

Sector Weighting as of 09-30-2022

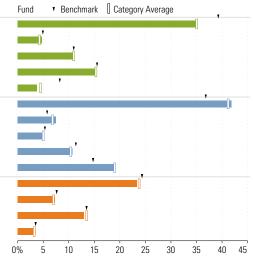
Total	100.00	100.00
Other	0.39	10.37
Cash	2.69	2.22
Bonds	34.01	30.40
Non-US Stocks	24.81	18.16
US Stocks	38.10	38.85
Asset Class	Net %	Cat%

**Morningstar Category** 

Target-Date 2030

Morningstar Index Morningstar Lifetime Mod 2030 TR USD

#### Fund Bmark Cat Դ Cyclical 34.82 35.03 39.12 ŵ. Basic Materials 4.77 4.79 4.27 A **Consumer Cyclical** 10.78 10.83 10.97 **L Financial Services** 15.48 15.40 15.31 ŵ Real Estate 3.79 8.10 4.48 Sensitive ~ 41.79 36.68 41.20 đ **Communication Services** 7.46 5.62 6.83 Energy 4.86 5.19 5.00 ¢ Industrials 10.67 11.25 10.38 18.80 14.62 Technology 18.99 23.39 24.20 23.77 Defensive **Consumer Defensive** 7.32 7.49 7.01 Healthcare 12.93 13.34 13.51 Utilities 3.14 3.37 3.25



#### Top 6 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
$\oplus$ Vanguard Total Stock Mkt Idx Instl PIs	_	38.71	38.71	_	_
$\oplus$ Vanguard Total Intl Stock Index Inv	-	25.43	64.13	_	-
igodoldoldoldoldoldoldoldoldoldoldoldoldol	-	23.97	88.10	_	-
⊖ Vanguard Total Intl Bd II Idx Insl	-	10.71	98.81	-	-
① Mktliq 12/31/2049	-	1.18	99.99	-	-
🕀 Us Dollar	-	0.01	100.00	-	-

#### Total Holdings 6



## Vanguard Target Retirement 2035 Fund VTTHX

#### 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 9.61 years.

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

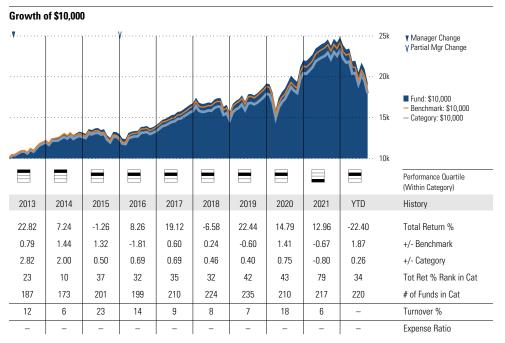
Net Expense: The fund's expense ratio of 0.08 is 88.57% lower than the Target-Date 2035 category average.

#### 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	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

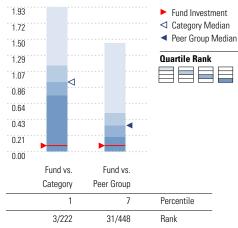


Morningstar Category

Target-Date 2035

#### **Trailing Performance**





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	1.15	-	1.12		
Beta	0.94	-	0.96		
R-Squared	99.42	-	98.55		
Standard Deviation	15.35	16.24	15.63		
Sharpe Ratio	0.19	0.12	0.18		
Tracking Error	1.50	-	2.15		
Information Ratio	0.78	-	0.61		
Up Capture Ratio	97.84	-	99.42		
Down Capture Ratio	92.49	-	94.36		

Portfolio Metrics						
	Fund	Bmark	Cat			
Price/Earnings Ratio	15.49	13.74	14.52			
Price/Book Ratio	2.28	2.03	2.26			
Avg Eff Duration	7.02	-	7.30			

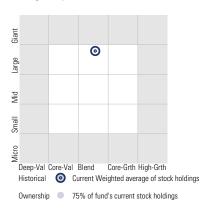
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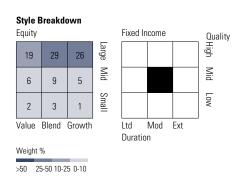


Morningstar Index Morningstar Lifetime Mod 2035 TR USD

## Vanguard Target Retirement 2035 Fund VTTHX

**Style Analysis** as of 09-30-2022 Morningstar Style Box™





## 

2.82 0.32	2.49 10.99
2.82	2.49
26.89	20.13
27.73	22.05
42.24	44.34
Net %	Cat%
	42.24 27.73

Morningstar Category

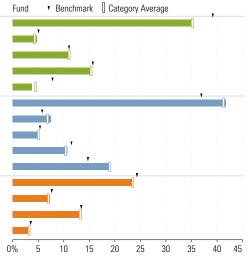
Target-Date 2035

Morningstar Index Morningstar Lifetime Mod 2035 TR USD

#### Sector Weighting as of 09-30-2022

Asset Allocation as of 09-30-2022

		Fund	Bmark	Cat
Դ	Cyclical	34.85	39.03	35.22
æ.	Basic Materials	4.77	4.91	4.32
A	Consumer Cyclical	10.78	10.90	11.05
<b>a</b>	Financial Services	15.50	15.56	15.35
ħ	Real Estate	3.80	7.66	4.50
w,	Sensitive	41.78	36.79	41.27
	Communication Services	7.46	5.63	6.82
•	Energy	4.86	5.21	5.05
¢	Industrials	10.68	11.36	10.38
	Technology	18.78	14.59	19.02
-	Defensive	23.37	24.18	23.51
F	Consumer Defensive	7.31	7.51	7.01
٠	Healthcare	12.92	13.28	13.28
2	Utilities	3.14	3.39	3.22



#### Top 6 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
$\oplus$ Vanguard Total Stock Mkt Idx Instl PIs	_	42.92	42.92	_	_
$\oplus$ Vanguard Total Intl Stock Index Inv	-	28.42	71.33	-	-
$\ominus$ Vanguard Total Bond Market II ldx Inv	-	18.94	90.27	-	-
$\ominus$ Vanguard Total Intl Bd II Idx Insl	-	8.48	98.75	-	-
⊕ Mktliq 12/31/2049	-	1.24	99.98	-	-
🕀 Us Dollar	_	0.02	100.00	_	_

#### Total Holdings 6



## Vanguard Target Retirement 2040 Fund VFORX

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 9.61 years.

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

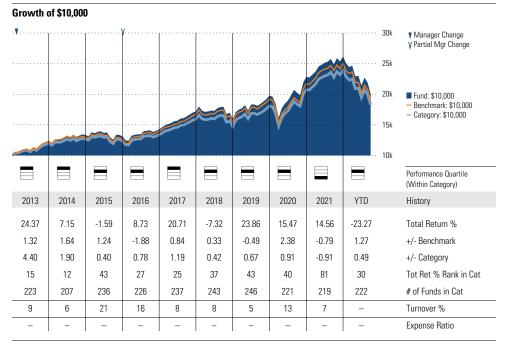
Net Expense: The fund's expense ratio of 0.08 is 88.57% lower than the Target-Date 2040 category average.

#### **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	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

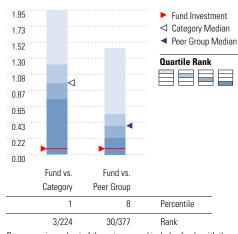


Morningstar Category

Target-Date 2040

#### **Trailing Performance**





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

Fund Bmark Cat Alpha 1.13 0.99 0.94 0.96 Beta _ 99.37 **R-Squared** 98.62 Standard Deviation 16 61 17 64 16.98 Sharpe Ratio 0.22 0 15 0.21 Tracking Error 1.70 2.22 Information Ratio 0.66 0.52 Up Capture Ratio 97.42 99.30 92.61 95.19 Down Capture Ratio

Portfolio Metrics						
	Fund	Bmark	Cat			
Price/Earnings Ratio	15.49	13.60	14.46			
Price/Book Ratio	2.28	2.01	2.23			
Avg Eff Duration	7.02	-	7.75			

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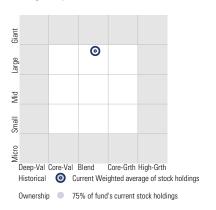


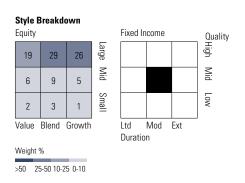
Morningstar Index Morningstar Lifetime Mod 2040 TR



## Vanguard Target Retirement 2040 Fund VFORX

**Style Analysis** as of 09-30-2022 Morningstar Style Box™





# 

ouioi		
Other	0.24	9.14
Cash	2.92	1.94
Bonds	19.72	12.64
Non-US Stocks	30.55	25.79
US Stocks	46.57	50.48
Asset Class	Net %	Cat%

Morningstar Category

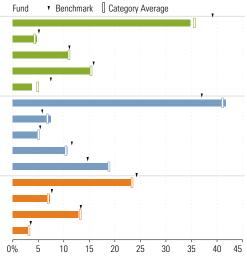
Target-Date 2040

Morningstar Index Morningstar Lifetime Mod 2040 TR USD

#### Sector Weighting as of 09-30-2022

Asset Allocation as of 09-30-2022

		Fund	Bmark	Cat	Fu
Դ	Cyclical	34.84	38.99	35.56	
æ.	Basic Materials	4.77	5.00	4.31	
	Consumer Cyclical	10.78	10.96	11.01	
ц.	Financial Services	15.49	15.70	15.33	
ŵ	Real Estate	3.80	7.33	4.91	
w	Sensitive	41.78	36.87	41.07	
	Communication Services	7.46	5.65	6.79	
0	Energy	4.86	5.24	5.03	
¢	Industrials	10.68	11.44	10.41	
	Technology	18.78	14.54	18.84	
	Defensive	23.38	24.12	23.36	
F	Consumer Defensive	7.32	7.53	6.96	
٠	Healthcare	12.91	13.20	13.22	
9	Utilities	3.15	3.39	3.18	
					~~~



Top 6 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
\oplus Vanguard Total Stock Mkt ldx Instl PIs	_	47.32	47.32	_	_
\oplus Vanguard Total Intl Stock Index Inv	-	31.31	78.62	-	-
\ominus Vanguard Total Bond Market II ldx Inv	-	13.91	92.53	-	-
\oplus Vanguard Total Intl Bd II ldx Insl	-	6.19	98.72	-	-
① Mktliq 12/31/2049	-	1.28	100.00	-	-
🕀 Us Dollar	_	0.00	100.00	-	_

Total Holdings 6



Vanguard Target Retirement 2045 Fund VTIVX

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 9.61 years.

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

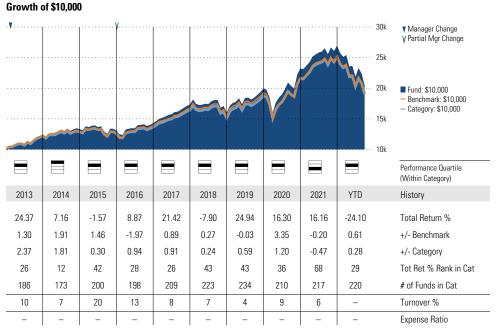
Net Expense: The fund's expense ratio of 0.08 is 88.57% lower than the Target-Date 2045 category average.

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

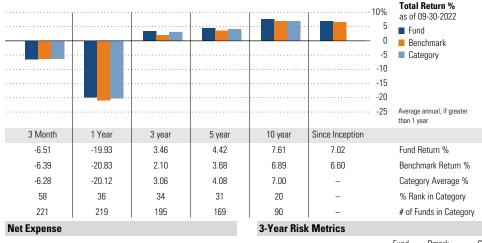
Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

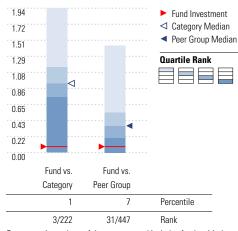


Morningstar Category

Target-Date 2045

Trailing Performance





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

Fund Bmark Cat Alpha 1.34 0.94 0.96 0.96 Beta 99.29 **R-Squared** 98.56 Standard Deviation 17 88 18 49 17 85 Sharpe Ratio 0.24 0 17 0.22 Tracking Error 1.65 2.27 Information Ratio 0.82 0.46 Up Capture Ratio 100.58 99.60 Down Capture Ratio 95.21 95.92

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	15.50	13.48	14.46
Price/Book Ratio	2.29	1.98	2.22
Avg Eff Duration	7.03	-	8.50

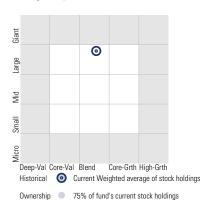
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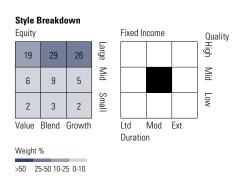


Morningstar Index Morningstar Lifetime Mod 2045 TR USD

Vanguard Target Retirement 2045 Fund VTIVX

Style Analysis as of 09-30-2022 Morningstar Style Box™





Other	0.16	9.50
Cash	3.05	2.06
Bonds	12.46	7.20
Non-US Stocks	33.31	27.82
US Stocks	51.01	53.41
Asset Class	Net %	Cat%

Morningstar Category

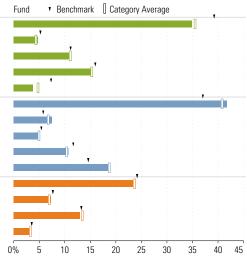
Target-Date 2045

Morningstar Index Morningstar Lifetime Mod 2045 TR USD

Sector Weighting as of 09-30-2022

Asset Allocation as of 09-30-2022

		Fund	Bmark	Cat	Func
Դ	Cyclical	34.86	39.10	35.50	
Å.	Basic Materials	4.77	5.09	4.35	
A	Consumer Cyclical	10.79	11.00	11.10	
ц <u>ф</u>	Financial Services	15.49	15.83	15.29	
ŵ	Real Estate	3.81	7.18	4.76	
w,	Sensitive	41.78	36.89	40.81	
d	Communication Services	7.46	5.64	6.77	
0	Energy	4.86	5.27	4.95	
¢	Industrials	10.67	11.52	10.38	
	Technology	18.79	14.46	18.71	
-	Defensive	23.37	24.02	23.68	
F	Consumer Defensive	7.31	7.53	6.98	
٠	Healthcare	12.92	13.10	13.43	
9	Utilities	3.14	3.39	3.27	



Top 6 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
\ominus Vanguard Total Stock Mkt Idx Instl PIs	-	51.83	51.83	_	_
\oplus Vanguard Total Intl Stock Index Inv	-	34.14	85.97	_	-
igodoldoldoldoldoldoldoldoldoldoldoldoldol	-	8.72	94.69	_	-
\oplus Vanguard Total Intl Bd II Idx Insl	-	3.98	98.67	_	-
⊕ Mktliq 12/31/2049	-	1.30	99.97	-	-
🕀 Us Dollar	_	0.03	100.00	-	_

Total Holdings 6



Vanguard Target Retirement 2050 Fund VFIFX

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 9.61 years.

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

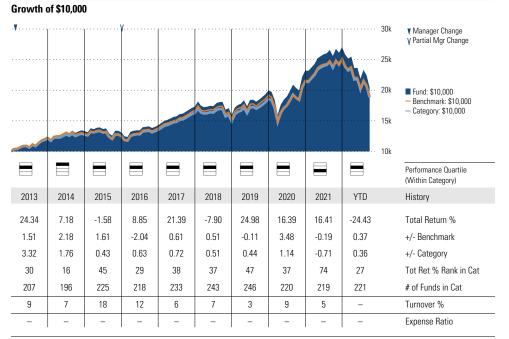
Net Expense: The fund's expense ratio of 0.08 is 88.73% lower than the Target-Date 2050 category average.

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

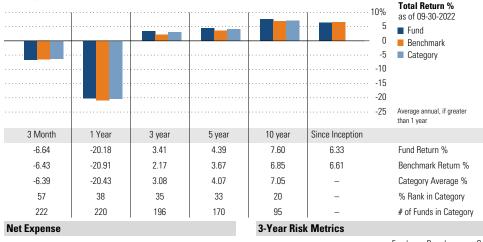
Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

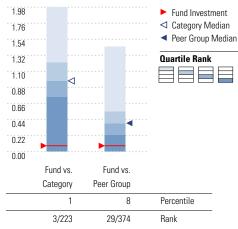


Morningstar Category

Target-Date 2050

Trailing Performance





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

Fund Bmark Cat Alpha 1.24 0.88 0.95 0.96 Beta 99.21 **R-Squared** 98.48 Standard Deviation 18 01 18 81 18 21 Sharpe Ratio 0.24 0 17 0.22 Tracking Error 1.82 2.30 Information Ratio 0.68 0.40 Up Capture Ratio 99.71 99.91 Down Capture Ratio 94.84 96.52

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	15.49	13.38	14.44
Price/Book Ratio	2.28	1.96	2.21
Avg Eff Duration	7.03	-	8.14

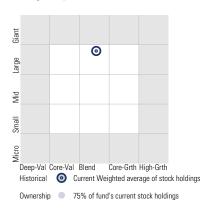
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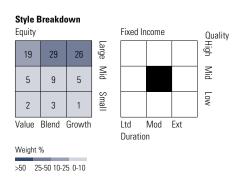


Morningstar Index Morningstar Lifetime Mod 2050 TR USD

Vanguard Target Retirement 2050 Fund VFIFX

Style Analysis as of 09-30-2022 Morningstar Style Box[™]





3.03 0.13	2.07 8.36
3.03	2.07
9.51	4.93
34.61	28.97
52.72	55.67
Net %	Cat%
	52.72 34.61

Morningstar Category

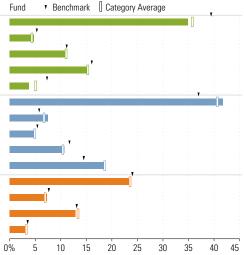
Target-Date 2050

Morningstar Index Morningstar Lifetime Mod 2050 TR USD

Sector Weighting as of 09-30-2022

Asset Allocation as of 09-30-2022

		Fund	Bmark	Cat	Fund	۲	Ben
Դ	Cyclical	34.85	39.29	35.76			
æ.	Basic Materials	4.78	5.17	4.35			
A	Consumer Cyclical	10.78	11.02	11.04			
цů	Financial Services	15.49	15.93	15.30			
ŵ	Real Estate	3.80	7.17	5.07		0	
w,	Sensitive	41.77	36.83	40.66			
	Communication Services	7.45	5.63	6.72			
0	Energy	4.86	5.28	4.92]	
¢	Industrials	10.68	11.56	10.41]
	Technology	18.78	14.36	18.61			
→	Defensive	23.38	23.88	23.56			_
1	Consumer Defensive	7.32	7.52	6.95			
٠	Healthcare	12.91	12.98	13.37			
9	Utilities	3.15	3.38	3.24			
						i	



Top 6 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
\ominus Vanguard Total Stock Mkt Idx Instl PIs	-	53.56	53.56	_	_
\oplus Vanguard Total Intl Stock Index Inv	-	35.47	89.03	_	-
\ominus Vanguard Total Bond Market II ldx Inv	-	6.64	95.67	_	-
\ominus Vanguard Total Intl Bd II ldx Insl	-	3.06	98.73	-	-
① Mktliq 12/31/2049	-	1.25	99.97	-	-
🕀 Us Dollar	-	0.03	100.00	-	-

Total Holdings 6



Vanguard Target Retirement 2055 Fund VFFVX

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 9.61 years.

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

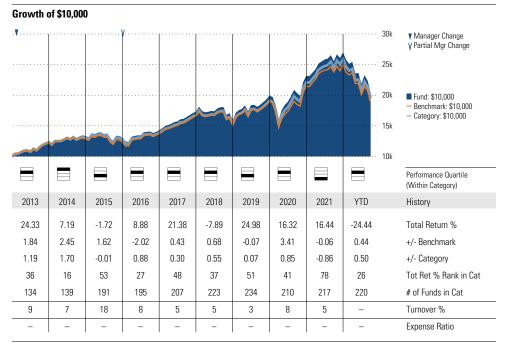
Net Expense: The fund's expense ratio of 0.08 is 88.73% lower than the Target-Date 2055 category average.

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	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

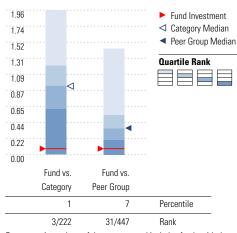


Morningstar Category

Target-Date 2055

Trailing Performance





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

Fund Bmark Cat Alpha 1.28 0.99 0.95 0.96 Beta _ **R-Squared** 99.16 98.42 Standard Deviation 18 02 18 89 18.35 Sharpe Ratio 0.24 0 17 0.22 Tracking Error 1.91 2.32 Information Ratio 0.67 0.45 Up Capture Ratio 99.50 100.59 Down Capture Ratio 94.48 96.81

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	15.48	13.28	14.32
Price/Book Ratio	2.28	1.94	2.18
Avg Eff Duration	7.03	-	9.37

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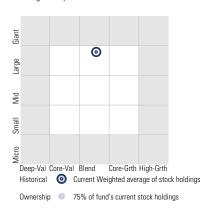


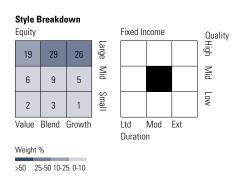
Morningstar Index Morningstar Lifetime Mod 2055 TR

USD

Vanguard Target Retirement 2055 Fund VFFVX

Style Analysis as of 09-30-2022 Morningstar Style Box™





Other	0.13	6.72
Cash	3.01	1.44
Bonds	9.45	4.46
Non-US Stocks	34.74	31.43
US Stocks	52.66	55.94
Asset Class	Net %	Cat%

Morningstar Category

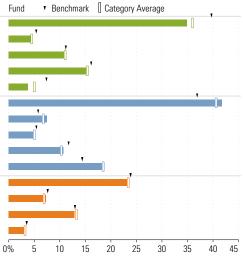
Target-Date 2055

Morningstar Index Morningstar Lifetime Mod 2055 TR USD

Sector Weighting as of 09-30-2022

Asset Allocation as of 09-30-2022

		Fund	Bmark	Cat	Fund	۲	Ben
Դ	Cyclical	34.86	39.55	35.99			
æ.	Basic Materials	4.78	5.25	4.52			
4	Consumer Cyclical	10.78	11.04	11.05			
N	Financial Services	15.50	16.01	15.39			
ŵ	Real Estate	3.80	7.25	5.03		0	
w,	Sensitive	41.76	36.75	40.60			
	Communication Services	7.46	5.63	6.77			
0	Energy	4.86	5.28	5.02		0	
¢	Industrials	10.68	11.59	10.32			-0
	Technology	18.76	14.25	18.49			
→	Defensive	23.37	23.72	23.40			
F	Consumer Defensive	7.32	7.50	6.93			
٠	Healthcare	12.91	12.84	13.27	_		
9	Utilities	3.14	3.38	3.20			
						-	



Top 6 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx InstI PIs	_	53.50	53.50	_	_
\oplus Vanguard Total Intl Stock Index Inv	-	35.61	89.11	_	-
⊖ Vanguard Total Bond Market II Idx Inv	-	6.60	95.71	_	-
\ominus Vanguard Total Intl Bd II ldx Insl	-	3.03	98.74	_	-
⊕ Mktliq 12/31/2049	-	1.24	99.99	-	-
⊖ Us Dollar	_	0.01	100.00	-	_

Total Holdings 6



Vanguard Target Retirement 2060 Fund VTTSX

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 9 of the 10 years it's been in existence.

Management: The fund's management has been in place for 9.61 years.

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

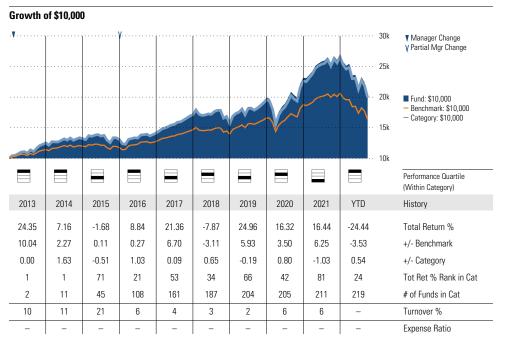
Net Expense: The fund's expense ratio of 0.08 is 88.73% lower than the Target-Date 2060 category average.

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	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

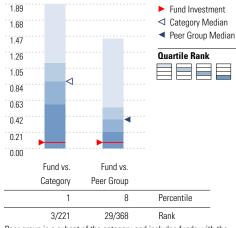


Morningstar Category

Target-Date 2060

Trailing Performance





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

Cat Alpha 2.25 1.99 1 36 1 39 Beta 98.80 **R-Squared** 97.78 Standard Deviation 17 99 13 18 18 48 Sharpe Ratio 0.24 0 10 0.22 Tracking Error 5.10 5.82 Information Ratio 0.44 0.34 Up Capture Ratio 145.56 148.24 Down Capture Ratio 133.96 138.30

Fund Bmark Cat Price/Earnings Ratio 15.47 13.15 14.41 Price/Book Ratio 2.28 1.92 2.22 Avg Eff Duration 7.02 — 7.31

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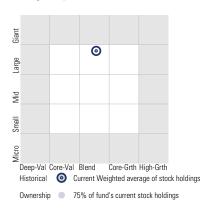


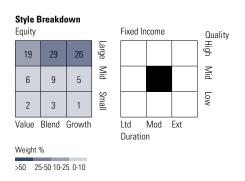
Morningstar Index

Morningstar Mod Tgt Risk TR USD

Vanguard Target Retirement 2060 Fund VTTSX

Style Analysis as of 09-30-2022 Morningstar Style Box™





50 100 0

Asset Allocation as of 09-30-2022

Sector Weighting as of 09-30-2022

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Energy

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Utilities

Cyclical

Real Estate

Sensitive

Industrials

Technology

Defensive

Healthcare

	0.15	4.03
Other	0.13	4.89
Cash	3.15	2.21
Bonds	9.32	4.49
Non-US Stocks	34.87	31.93
US Stocks	52.53	56.48
Asset Class	Net %	Cat%

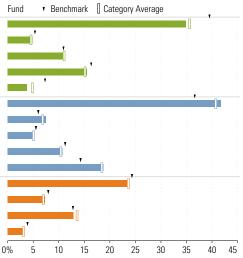
Morningstar Index

Morningstar Mod Tgt Risk TR USD

Morningstar Category

Target-Date 2060

Bmark Cat Fund 34.89 39.36 35.61 Basic Materials 4.80 5.20 4.57 Consumer Cyclical 10.78 10.78 11.04 Financial Services 15.51 16 20 15.14 3.80 7.18 4.86 41.75 36.47 40.72 **Communication Services** 7.46 5.85 6.85 5.04 4.86 5.39 10.68 11.11 10.40 18.75 14.12 18.43 23.36 24.18 23.66 **Consumer Defensive** 7.32 7.80 6.98 12.90 12.64 13.58 3.14 3.74 3.10 10 0% 5



Top 6 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
\oplus Vanguard Total Stock Mkt ldx Instl PIs	_	53.37	53.37	-	_
\oplus Vanguard Total Intl Stock Index Inv	-	35.74	89.11	-	-
\oplus Vanguard Total Bond Market II ldx Inv	-	6.54	95.65	-	-
\ominus Vanguard Total Intl Bd II Idx Insl	-	2.96	98.62	-	-
⊕ Mktliq 12/31/2049	-	1.36	99.97	-	-
🕀 Us Dollar	_	0.03	100.00	-	_

Total Holdings 6

🕀 Increase 👄 Decrease 🕸 New to Portfolio

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Vanguard Target Retirement 2065 Fund VLXVX

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 3 of the 5 years it's been in existence.

Management: The fund's management has been in place for 5.22 years.

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

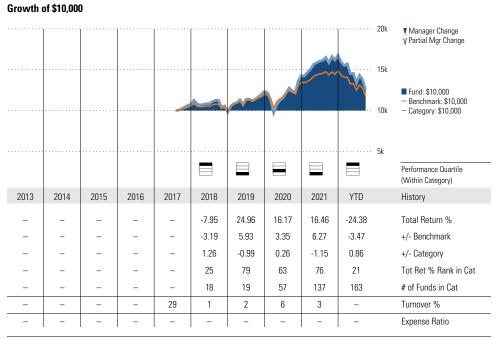
Net Expense: The fund's expense ratio of 0.08 is 88.41% lower than the Target-Date 2065+ category average.

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	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

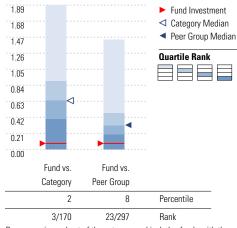


Morningstar Category

Target-Date 2065+

Trailing Performance





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

Cat Alpha 2.23 2.06 Beta 1.36 1 4 1 **R-Squared** 98.78 98.01 Standard Deviation 18 01 13 18 18 72 Sharpe Ratio 0.24 0 10 0.22 Tracking Error 5.12 5.97 Information Ratio 0.44 0.34 Up Capture Ratio 145.61 149.85 Down Capture Ratio 134.11 139.56

Fund Bmark Cat Price/Earnings Ratio 15.47 13.15 13.99 Price/Book Ratio 2.28 1.92 2.14 Avg Eff Duration 7.03 8.22

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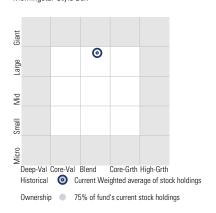


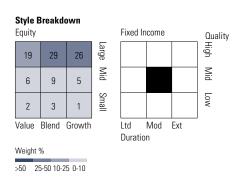
Morningstar Index

Morningstar Mod Tgt Risk TR USD

Vanguard Target Retirement 2065 Fund VLXVX

Style Analysis as of 09-30-2022 Morningstar Style Box™





Asset Allocation as of 09-30-2022

Sector Weighting as of 09-30-2022

Basic Materials

Consumer Cyclical

Financial Services

Communication Services

Real Estate

Sensitive

Industrials

Technology

Defensive

Healthcare

Consumer Defensive

€ Cyclical

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Energy

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Utilities



Bmark

39.36

5.20

10.78

16 20

7.18

36.47

5.85

5.39

11.11

14.12

24.18

7.80

12.64

3.74

Fund

34.88

4.79

10.79

15.51

3.79

41.75

7.45

4.87

10.68

18.75

23.36

7.31

12.91

3.14

Asset Class Net % Cat% US Stocks 52.64 53.41 Non-US Stocks 34.86 32.54 Bonds 9.23 7.00 Cash 3.14 2.40 Other 0.13 4.65 Total 100.00 100.00

Morningstar Index

Morningstar Mod Tgt Risk TR USD

Morningstar Category

Target-Date 2065+

Benchmark [] Category Average Cat Fund 35.55 4.71 11.15 15.31 4.38 41.47 6.96 5.14 10.65 18.72 22.97 7.13 12.79 3.05 10 15 20 25 30 35 40 45 0% 5

Top 6 Holdings as of 09-30-2022

Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
_	53.48	53.48	_	_
-	35.73	89.21	_	-
-	6.40	95.62	_	-
-	3.00	98.62	-	-
-	1.35	99.97	-	-
-	0.03	100.00	-	-
	- - - - -	- 53.48 - 35.73 - 6.40 - 3.00 - 1.35	- 53.48 53.48 - 35.73 89.21 - 6.40 95.62 - 3.00 98.62 - 1.35 99.97	- 53.48 53.48 - - 35.73 89.21 - - 6.40 95.62 - - 3.00 98.62 - - 1.35 99.97 -

Total Holdings 6



Vanguard Target Retirement Income Fund VTINX

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 9.61 years.

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

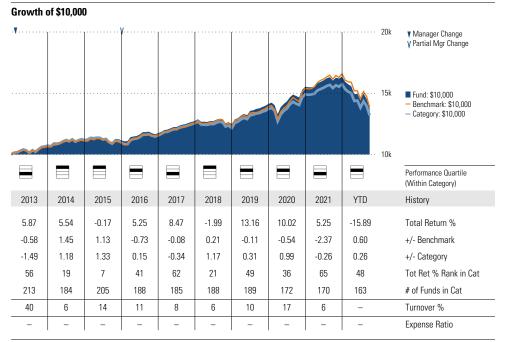
Net Expense: The fund's expense ratio of 0.08 is 88.06% lower than the Target-Date Retirement category average.

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	08-31-2022
ESG Commitment	1-Low	02-15-2022



Morningstar Category

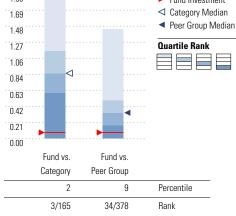
Target-Date Retirement

Morningstar Index Morningstar Lifetime Mod Incm TR

USD

Trailing Performance





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

Cat -1.17 0.92 Beta 0.87 _ **R-Squared** 98.14 95.87 Standard Deviation 8 10 9 24 8.70 Sharpe Ratio -0.04 0.07 -0.09 Tracking Error 1.65 2.29 Information Ratio -0.53 -0.57 Up Capture Ratio 83.99 86.73 Down Capture Ratio 90.35 96.23

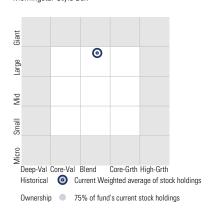
Fund Bmark Cat Price/Earnings Ratio 15.47 14.54 14.00 Price/Book Ratio 2.28 2.17 2.09 Avg Eff Duration 5.96 6.58

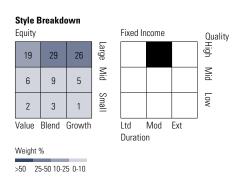
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Vanguard Target Retirement Income Fund VTINX

Style Analysis as of 09-30-2022 Morningstar Style Box™





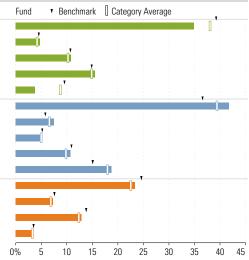
50 100 0

66.83 3.23 0.57	51.17 5.20 16.18
66.83	51.17
11.69	9.45
17.67	18.01
Net %	Cat%
	17.67

Sector Weighting as of 09-30-2022

Asset Allocation as of 09-30-2022

		Fund	Bmark	Cat	Fund
Դ	Cyclical	34.88	39.10	38.05	
÷.	Basic Materials	4.78	4.38	4.19	
4	Consumer Cyclical	10.80	10.57	10.24	
L	Financial Services	15.51	14.74	14.87	
ŵ	Real Estate	3.79	9.41	8.75	
w,	Sensitive	41.75	36.44	39.40	
	Communication Services	7.45	5.66	6.60	
•	Energy	4.85	5.06	4.99	
¢	Industrials	10.69	10.78	9.84	
	Technology	18.76	14.94	17.97	
-	Defensive	23.36	24.46	22.53	
F	Consumer Defensive	7.31	7.44	6.89	
٠	Healthcare	12.91	13.66	12.36	
	Utilities	3.14	3.36	3.28	



Top 7 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
\oplus Vanguard Total Bond Market II ldx Inv	_	36.25	36.25	_	_
\oplus Vanguard Total Stock Mkt ldx Instl PIs	-	17.95	54.20	-	-
\oplus Vanguard Shrt-Term Infl-Prot Sec Idx Adm	-	16.53	70.73	-	-
🕀 Vanguard Total Intl Bd II Idx Insl	-	16.02	86.74	-	-
Vanguard Total Intl Stock Index Inv	-	11.98	98.73	-	-
⊕ Mktliq 12/31/2049	-	1.28	100.01	-	-
⊖ Us Dollar	_	0.01	100.01	_	-

Total Holdings 7

 \oplus Increase \oplus Decrease R New to Portfolio



Morningstar Category Target-Date Retirement Morningstar Index Morningstar Lifetime Mod Incm TR USD

Vanguard Value Index Adm VVIAX

Portfolio Manager(s)

Gerard O'Reilly since 12-1994 Walter Nejman since 04-2016

Quantitative Screens

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

Management: The fund's management has been in place for 27.77 years.

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

Net Expense: The fund's expense ratio of 0.05 is 94.51% lower than the Large Value category average.

Morningstar Investment Management LLC Analysis

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

ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	08-31-2022
Carbon Risk Score	Medium Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

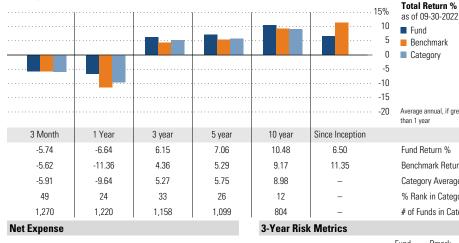




Morningstar Category

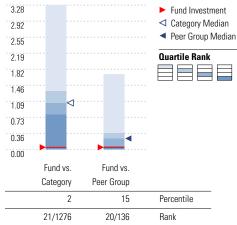
Large Value

Trailing Performance



Alpha

Beta



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

Average annual, if greater Fund Return % Benchmark Return % Category Average % % Rank in Category # of Funds in Category Fund Bmark Cat 1.87 1.02 0.93 0.98 98.97 **R-Squared** 95.47 Standard Deviation 19 12 20.45 20 54 Sharpe Ratio 0.37 0 28 0.32 Tracking Error 2.41 4.62 Information Ratio 0.74 0.21 Up Capture Ratio 98.97 99.08 Down Capture Ratio 92.25 95.67 **Portfolio Metrics**

	Fund	Bmark	Cat
Price/Earnings Ratio	15.50	13.75	12.66
Price/Book Ratio	2.54	2.00	2.12
Geom Avg Mkt Cap \$B	100.80	64.23	95.02
ROE	25.15	18.55	25.15

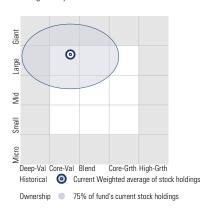
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Russell 1000 Value TR USD

Vanguard Value Index Adm VVIAX

Style Analysis as of 09-30-2022 Morningstar Style Box™







Weight %

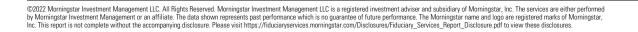
>50 25-50 10-25 0-10

Top 15 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
\oplus Berkshire Hathaway Inc Class B	3.07	3.07	-10.70	Financial Services
$oldsymbol{eta}$ UnitedHealth Group Inc	3.01	6.09	1.52	Healthcare
\oplus Johnson & Johnson	2.72	8.81	-2.57	Healthcare
€ Exxon Mobil Corp	2.42	11.22	47.00	Energy
\oplus JPMorgan Chase & Co	2.01	13.23	-32.11	Financial Services
\oplus Procter & Gamble Co	1.97	15.20	-21.17	Consumer Defensive
€ Chevron Corp	1.71	16.92	26.06	Energy
€ Pfizer Inc	1.68	18.59	-23.86	Healthcare
$ extsf{D} extsf{Eli Lilly and Co} ext$	1.67	20.26	18.13	Healthcare
➔ AbbVie Inc	1.50	21.76	2.52	Healthcare
🕀 Coca-Cola Co	1.48	23.25	-3.16	Consumer Defensive
€ PepsiCo Inc	1.43	24.68	-4.07	Consumer Defensive
$oldsymbol{eta}$ Bank of America Corp	1.37	26.05	-30.68	Financial Services
Đ Merck & Co Inc	1.34	27.39	15.07	Healthcare
🕀 Broadcom Inc	1.23	28.62	-31.42	Technology

Total Holdings 347

 \oplus Increase \oplus Decrease arrow New to Portfolio



 Large Value
 Russell 1000 Value TR USD

 Asset Class
 Net %

 US Stocks
 99.03

 Non-US Stocks
 0.77

 5.78

 Bonds
 0.00

Morningstar Index

0.19

0.00

100.00

1.70

0.71

100.00

Morningstar Category

Cash

Other

Total

I		
	50	100

Sector Weighting as of 09-30-2022

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Asset Allocation as of 09-30-2022

		Fund	Bmark	Cat	Fur
Դ	Cyclical	28.34	34.81	32.14	
æ.	Basic Materials	2.71	3.61	3.28	
	Consumer Cyclical	2.61	5.97	6.56	
	Financial Services	19.61	20.20	19.02	
ŵ	Real Estate	3.41	5.03	3.28	
~	Sensitive	32.29	34.35	36.44	
	Communication Services	3.72	8.11	6.86	
$\mathbf{\diamond}$	Energy	7.82	7.84	8.23	
¢	Industrials	12.30	10.01	10.72	
	Technology	8.45	8.39	10.63	
-	Defensive	39.37	30.84	31.42	
F	Consumer Defensive	11.36	7.42	8.73	
٠	Healthcare	21.89	17.47	17.09	
9	Utilities	6.12	5.95	5.60	

