## 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.

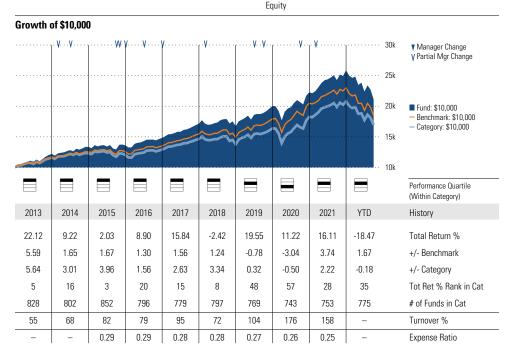
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

#### 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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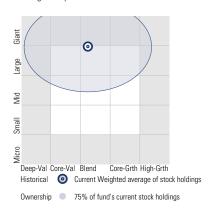


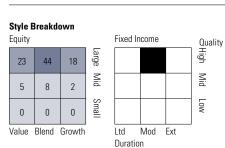
Morningstar Index

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

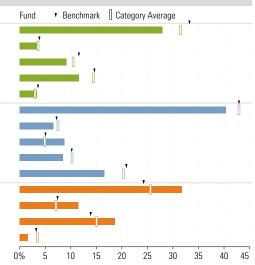
		Fund	Bmark	Cat
Դ	Cyclical	27.90	33.09	31.49
<i>.</i>	Basic Materials	3.73	3.71	3.59
A	Consumer Cyclical	9.16	11.45	10.46
цф	Financial Services	11.62	14.48	14.43
ŵ	Real Estate	3.39	3.45	3.01
~~	Sensitive	40.37	42.78	42.93
d	Communication Services	6.64	7.08	7.49
0	Energy	8.72	4.91	4.91
¢	Industrials	8.43	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 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.

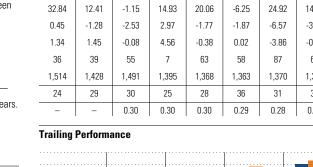
Net Expense: The fund's expense ratio of 0.27 is 66.25% lower than the Large Blend category average.

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

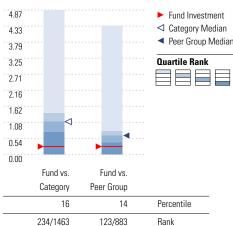
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

#### **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

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							• • • • • • • • • •	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	
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nce	·····I·····		·····	·····						<b>Return %</b>	
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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
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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
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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 -20 -25 -20 -25 -20 -25 -20 -25 -20 -25 -10 -10 -10 -15 -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 -10 -15 -10 -10 -15 -10 -10 -15 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	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 

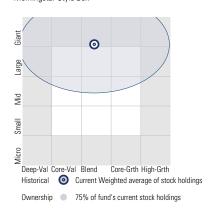
Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	16.65	17.98	18.23
Price/Book Ratio	2.98	3.38	3.60
Geom Avg Mkt Cap \$B	145.64	164.20	210.33
ROF	26.81	31.94	32,91

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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

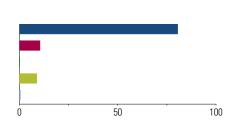
Value Blend Growth

#### 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

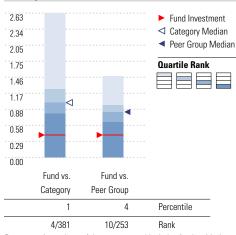
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30

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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

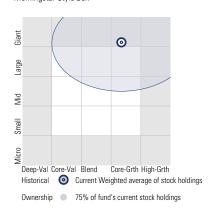
Fund Return %

Category

Fund

# American Funds New Perspective R6 RNPGX

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





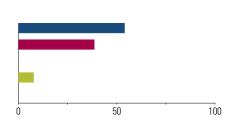


Weight %

<25

>50 25-50 10-25 0-10

## World Regions % Equity 09-30-2022



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

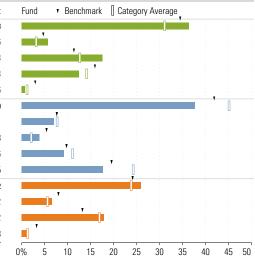
Asset Allocation as of 09-30-2022

		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.

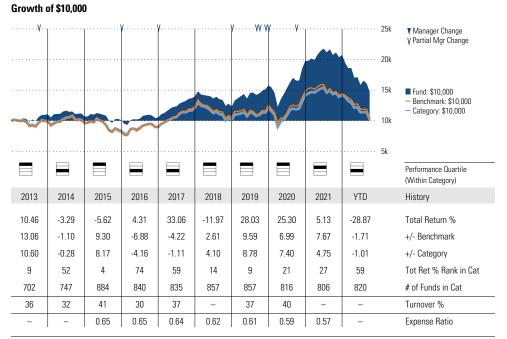
Net Expense: The fund's expense ratio of 0.57 is 50.86% lower than the Diversified Emerging Mkts category average.

#### 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.

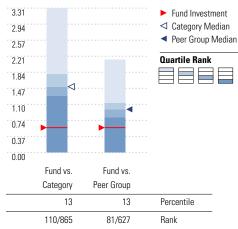
#### **ESG Metrics**

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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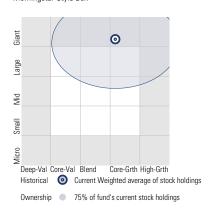


Morningstar Category Morningstar Index

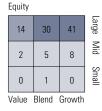
Diversified Emerging Mkts MSCI EM NR USD

# American Funds New World R6 RNWGX

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





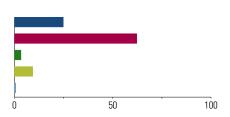


Weight %

<25

>50 25-50 10-25 0-10

## World Regions % Equity 09-30-2022



## Sector Weighting as of 09-30-2022

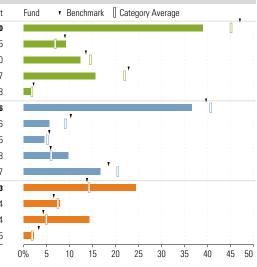
Asset Allocation as of 09-30-2022

		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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## Eaton Vance Income Fund of Boston R6 EIBRX

Portfolio Manager(s)

Stephen Concannon since 11-2014 Jeffrey Mueller since 06-2019 Kelley Baccei Gerrity since 06-2019

#### Quantitative Screens

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

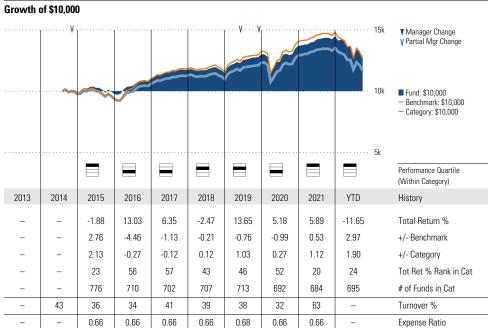
Management: The fund's management has been in place for 7.91 years.

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.66 is 26.67% 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.

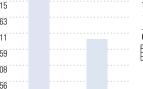


Morningstar Category

High Yield Bond







	Tracking Error	
	Information Ratio	
	Up Capture Ratio	
	Down Capture Ratio	
	Portfolio Metrics	
Percentile		

Fund Bmark Cat Avg Eff Duration 3.71 Avg Eff Maturity 5.59

91.10

84.94

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

54

Rank

Fund vs Peer Group

251/465

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Fund vs

Category

247/719

34

1.04

0.52

0.00



91.62

93.77

Morningstar Index

ICE BofA US High Yield TR USD

## Eaton Vance Income Fund of Boston R6 EIBRX

## Style Analysis as of 09-30-2022



\_\_\_\_\_

50

#### Asset Class Cat% Net % US Stocks 0.89 3.09 Non-US Stocks 0.03 0.18 Bonds 90.73 91.71 Cash 4.20 3.24 Other 1.80 4.13 Total 100.00 100.00

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

Ó

Asset Allocation as of 09-30-2022

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	0.00	-	1.75
AA	0.00	-	0.05
A	0.00	-	0.19
BBB	1.97	-	4.19
BB	45.29	-	35.65
В	38.35	-	37.64
Below B	9.71	-	18.17
Not Rated	4.68	-	2.36

		Cat	Fund	<ul> <li>Benchmark</li> </ul>	Category Average
0.00	-	2.39	10		
0.00	-	0.69	0		
0.00	-	0.01	0		
0.00	-	0.12	0		
0.00	-	1.57	1		
95.62	-	88.30			(in the second
90.59	-	81.83			<b></b>
3.74	-	5.20			
0.49	-	1.18	I]		
0.80	-	0.09	0		
0.00	-	2.07	[		
0.00	-	0.06	0		
0.00	-	0.00			
0.00	-	0.22			
0.00	-	0.14			
0.00	-	0.61	0		
0.00	-	1.04	1		
0.00	-	0.00	0		
0.00	-	0.03	[		
4.38	-	6.13			
0.00	-	1.08	1		
	0.00 0.00 90.59 3.74 0.49 0.80 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00          0.00          0.00          0.00          90.59          3.74          0.49          0.80          0.00          0.00          0.00          0.00          0.00          0.00          0.00          0.00          0.00          0.00          0.00          0.00          0.00          0.00          0.00          0.00          0.00          0.00          0.00          0.00          0.00          0.00          0.00          0.00          0.00          0.00          0.00	0.00       -       0.69         0.00       -       0.01         0.00       -       0.12         0.00       -       1.57         95.62       -       88.30         90.59       -       81.83         3.74       -       5.20         0.49       -       1.18         0.80       -       0.09         0.00       -       0.02         0.00       -       0.00         0.00       -       0.22         0.00       -       0.41         0.00       -       0.61         0.00       -       0.01         0.00       -       0.00         0.00       -       0.01         0.00       -       0.00         0.00       -       0.00         0.00       -       0.00         0.00       -       0.00         0.00       -       0.00         0.00       -       0.00         0.00       -       0.00         0.00       -       0.00         0.00       -       0.00         0.00       - <t< td=""><td>0.00       -       0.69       []         0.00       -       0.01       []         0.00       -       0.12       []         0.00       -       1.57       []         95.62       -       88.30       -         90.59       -       81.83       -         0.49       -       1.18       []         0.80       -       0.09       ]         0.80       -       0.00       []         0.00       -       0.00       []         0.00       -       0.00       []         0.00       -       0.00       []         0.00       -       0.14       []         0.00       -       1.04       []         0.00       -       1.04       []         0.00       -       0.00       []         0.00       -       0.03       []         0.00       -       0.03       []</td><td>0.00       -       0.69       []         0.00       -       0.01       []         0.00       -       0.12       []         0.00       -       1.57       []         95.62       -       88.30       -         90.59       -       81.83       -         90.49       -       1.18       []         0.80       -       0.09       []         0.00       -       0.06       []         0.00       -       0.06       []         0.00       -       0.00       []         0.00       -       0.01       []         0.00       -       0.02       []         0.00       -       0.61       []         0.00       -       1.04       []         0.00       -       0.00       []         0.00       -       0.03       []         0.00       -       0.03       []</td></t<>	0.00       -       0.69       []         0.00       -       0.01       []         0.00       -       0.12       []         0.00       -       1.57       []         95.62       -       88.30       -         90.59       -       81.83       -         0.49       -       1.18       []         0.80       -       0.09       ]         0.80       -       0.00       []         0.00       -       0.00       []         0.00       -       0.00       []         0.00       -       0.00       []         0.00       -       0.14       []         0.00       -       1.04       []         0.00       -       1.04       []         0.00       -       0.00       []         0.00       -       0.03       []         0.00       -       0.03       []	0.00       -       0.69       []         0.00       -       0.01       []         0.00       -       0.12       []         0.00       -       1.57       []         95.62       -       88.30       -         90.59       -       81.83       -         90.49       -       1.18       []         0.80       -       0.09       []         0.00       -       0.06       []         0.00       -       0.06       []         0.00       -       0.00       []         0.00       -       0.01       []         0.00       -       0.02       []         0.00       -       0.61       []         0.00       -       1.04       []         0.00       -       0.00       []         0.00       -       0.03       []         0.00       -       0.03       []

100

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

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

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
$\oplus$ Msilf Government Portfolio Msilf Government Portfolio	12-2030	4.19	4.19	-
Option on Peninsula Gaming Partners (Unit)	12-2049	2.64	6.82	-
CCO Holdings, LLC/ CCO Holdings Capital Corp. 4.5%	08-2030	0.83	7.66	-
① Mozart Debt Merger Subordinated Inc. 5.25%	10-2029	0.64	8.29	-
Neptune Energy Bondco PLC 6.625%	05-2025	0.63	8.93	_
SRM Escrow Issuer LIc 6%	11-2028	0.58	9.51	-
Sprint Capital Corporation 6.875%	11-2028	0.57	10.09	-
Rolls-Royce PLC 5.75%	10-2027	0.55	10.64	-
WESCO International Inc 10.625% PRF PERPETUAL USD 25 - Ser A 1/1000 Dep Sh	12-2049	0.53	11.17	-
Centene Corporation 3.375%	02-2030	0.52	11.69	-

#### Total Holdings 448

🕀 Increase  $\ominus$  Decrease 🕸 New to Portfolio

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Morningstar Category High Yield Bond

Morningstar Index ICE BofA US High Yield TR USD

## Federated Hermes Govt Ultrashort R6 FGULX

Portfolio Manager(s)

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

#### Quantitative Screens

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

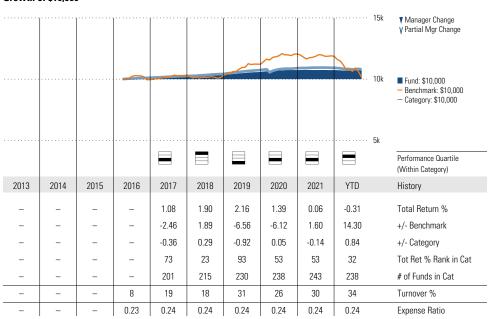
Management: The fund's management has been in place for 25.24 years.

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.24 is 48.94% lower than the Ultrashort Bond category average.

#### Morningstar Investment Management LLC Analysis

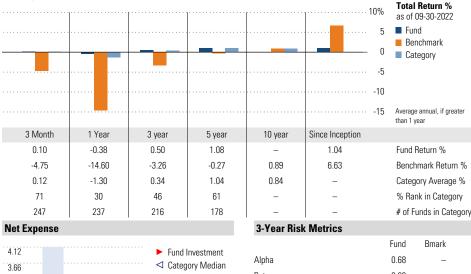
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

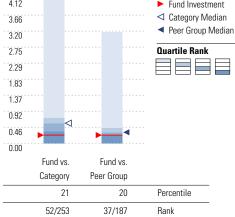


Morningstar Category

Ultrashort Bond

#### **Trailing Performance**





0.89	0.03	Benchmark Return %						
0.84	-	Categ	Category Average %					
-	-	% Ra	% Rank in Category					
-	-	# of F	unds in Cate	gory				
3-Year Risk	Metrics							
		Fund	Bmark	Cat				
Alpha		0.68	-	0.71				
Beta		0.06	-	0.12				
R-Squared		31.67	-	16.20				
Standard Devia	ition	0.56	5.36	1.88				
Sharpe Ratio		-0.23	-0.70	-0.23				
Tracking Error		5.07	-	5.17				
Information Ra	tio	0.74	-	0.69				
Up Capture Rat	tio	11.59	-	25.28				
Down Capture	Ratio	1.33	-	12.13				
Portfolio M	etrics							
		Fund	Bmark	Cat				

	Fund	Bmark	
Avg Eff Duration	0.36	4.43	
Avg Eff Maturity	2.55	-	

# 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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0.90

2.34

Morningstar Index

Bloomberg US Agg Bond TR USD



## Federated Hermes Govt Ultrashort R6 FGULX

## Style Analysis as of 09-30-2022



Duration

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	100.00	3.53	43.89
AA	0.00	74.59	6.32
A	0.00	10.82	18.20
BBB	0.00	8.32	21.88
BB	0.00	0.28	1.39
В	0.00	0.00	1.10
Below B	0.00	0.00	0.26
Not Rated	0.00	2.46	6.97

Asset Allocation	as of 09-30-2022	
I		
0	50	100

#### Asset Class Net % Cat% US Stocks 0.00 0.00 Non-US Stocks 0.00 0.00 Bonds 61.87 70.09 Cash 38.13 27.70 Other 0.00 2.22 Total 100.00 100.00

## Sector Weighting as of 09-30-2022

	Fund	Bmark	Cat	Func	1	<ul> <li>Ben</li> </ul>	chmark	] Ca	ategory	Avera	ge	
Government	14.35	-	15.37			-						
Treasury	5.34	_	9.99			0						
Inflation – Protected	0.00	-	0.00	0								
Agency/Quasi Agency	9.01	-	1.26									
Other Government Related	0.00	-	4.12		0							
Corporate	0.00	-	36.35								[	
Corporate Bond	0.00	_	31.57							0		
Bank Loan	0.00	_	0.37	0								
Convertible	0.00	-	4.41		0							
Preferred	0.00	-	0.00	0								
Securitized	47.52	-	20.65					]				
Agency MBS Pass-Through	1.68	-	0.50	0								
Agency MBS ARM	0.14	-	0.58	[]								
Agency MBS CMO	45.70	-	3.09									
Non-Agency Residential MBS	0.00	-	0.40	0								
Commercial MBS	0.00	-	1.26									
Asset-Backed	0.00	-	14.82									
Covered Bond	0.00	-	0.00	0								
Municipal	0.00	-	1.00	[]								
Cash & Equivalents	38.13	_	26.44						1			
Other	0.00	_	0.09	Ó								

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

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
Novasc Repo 1 Repo	04-2022	23.03	23.03	_
🕀 Bofam Repo 1 Repo	04-2022	12.06	35.09	-
① Government National Mortgage Association 0.74857%	07-2050	6.50	41.59	-
Federal Home Loan Banks 0.4%	06-2024	4.40	45.99	-
$\odot$ Federal National Mortgage Association 0.95657%	08-2059	2.45	48.44	-
⊖ Federal Home Loan Mortgage Corporation 0.90657%	09-2049	2.08	50.52	-
$\odot$ Federal National Mortgage Association 0.90657%	06-2050	2.04	52.55	_
$\odot$ Federal Home Loan Mortgage Corporation 0.90657%	01-2050	1.76	54.31	-
⊖ Government National Mortgage Association 2.26188%	03-2067	1.70	56.02	-
igodot Government National Mortgage Association 0.82%	02-2065	1.68	57.70	-

#### Total Holdings 222

🕀 Increase  $\ominus$  Decrease 🕸 New to Portfolio

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**Morningstar Category** Ultrashort Bond

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

## MFS Mid Cap Growth R6 OTCKX

## Portfolio Manager(s)

Eric Fischman since 11-2008 Paul Gordon since 05-2011 Eric Braz since 06-2021

#### Quantitative Screens

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

Management: The fund's management has been in place for 13.87 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 0.65 is 38.1% lower than the Mid-Cap Growth category average.

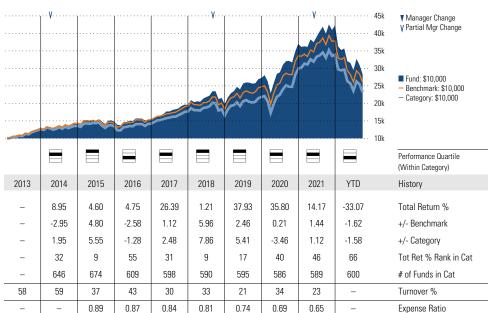
#### Morningstar Investment Management LLC Analysis

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	5	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	2-Basic	02-15-2022

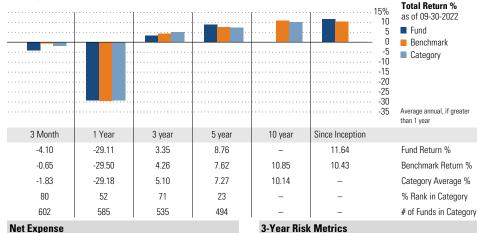


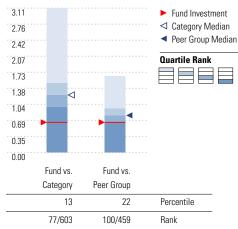


Morningstar Category

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.

**3-Year Risk Metrics** Fund Bmark Cat Alpha -0.57 0.85 0.90 0.99 Beta R-Squared 94.78 91.53 Standard Deviation 22 43 24 18 25 14 Sharpe Ratio 0.23 0 26 0.28 Tracking Error 5.64 7.20 Information Ratio -0.16 -0.02 Up Capture Ratio 94.24 100.98 Down Capture Ratio 96.64 99.49

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	31.53	22.23	24.18
Price/Book Ratio	4.60	5.66	3.64
Geom Avg Mkt Cap \$B	19.61	18.22	14.41
ROE	23.70	25.45	18.11

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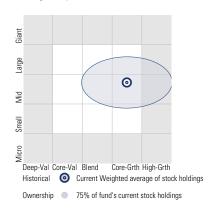


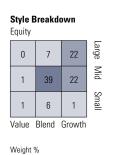
Morningstar Index

Russell Mid Cap Growth TR USD

## MFS Mid Cap Growth R6 OTCKX

**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
Cadence Design Systems Inc	3.53	3.53	-12.30	Technology
$ m lacksquare$ Currency Cash CASH_USD	3.34	6.87	-	-
Monolithic Power Systems Inc	3.23	10.11	-25.88	Technology
Arthur J. Gallagher & Co	2.84	12.94	1.82	Financial Services
ige  ightarrow PerkinElmer Inc	2.76	15.70	-40.05	Healthcare
MSCI Inc	2.69	18.39	-30.61	Financial Services
Steris PLC	2.36	20.75	-31.14	Healthcare
Verisk Analytics Inc	2.35	23.11	-25.04	Industrials
AMETEK Inc	2.18	25.28	-22.42	Industrials
Extra Space Storage Inc	2.06	27.34	-21.84	Real Estate
Vulcan Materials Co	1.93	29.27	-23.45	Basic Materials
Nasdaq Inc	1.92	31.19	-18.20	Financial Services
Synopsys Inc	1.91	33.10	-17.09	Technology
Icon PLC	1.83	34.93	-40.66	Healthcare
O'Reilly Automotive Inc	1.78	36.71	-0.41	Consumer Cyclical

#### Total Holdings 92

 $\oplus$  Increase  $\ominus$  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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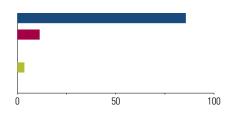
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Energy

¢

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

32.51

2.00

15.58

9.87

5.06

47.86

3.82

1.90

16.21

25.93

19.62

1.01

18.61

0.00

Cat

28.48

2.50

12.72

9.78

3.48

48.04

3.34

2.97

14.50

27.23

23.47

2.51

20.24

0.72

#### Asset Class Net % Cat% US Stocks 85.51 92.12 Non-US Stocks 11.14 3.96 Bonds 0.00 0.07 Cash 3.35 3.50 Other 0.00 0.33 Total 100.00 100.00

Morningstar Index

Russell Mid Cap Growth TR USD

Morningstar Category

Mid-Cap Growth

#### Benchmark Category Average Fund 1 0% 5 10 15 20 25 30 35 40 45 50 55

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## PGIM Jennison Small Company R6 PJSQX

#### Portfolio Manager(s)

Jason Swiatek since 11-2013 Jonathan Shapiro since 07-2018

#### Quantitative Screens

*Performance:* The fund has finished in the Small 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 8.85 years.

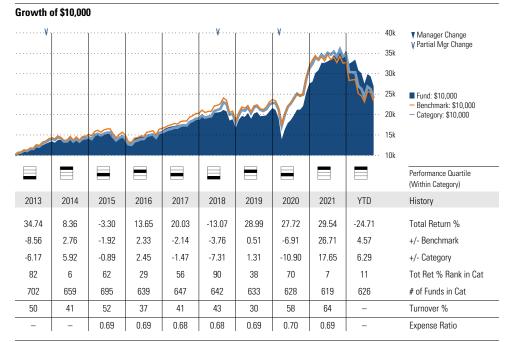
× Style: The fund has landed in its primary style box — Small Growth - 8.82 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.69 is 42.02% lower than the Small Growth category average.

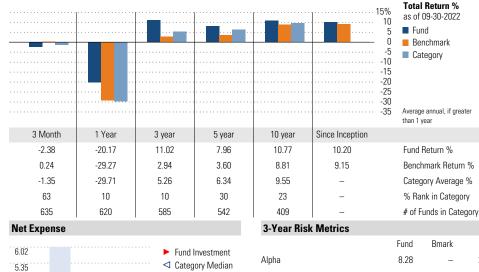
#### Morningstar Investment Management LLC Analysis

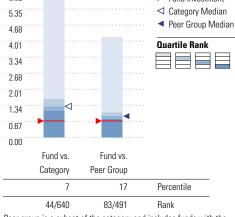
This fund fails our style screen due to edging up into midcap territory but its portfolio positioning is consistent with the overall investment strategy.

Rating	Updated
3	08-31-2022
Medium Risk	06-30-2022
	3



#### **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 2.14 Beta 0.95 0.98 86.37 **R-Squared** 91.07 Standard Deviation 27 42 25.97 26.02 Sharpe Ratio 0.50 0.21 0.28 Tracking Error 10.14 7.98 Information Ratio 0.80 0.25 Up Capture Ratio 112.43 99.82 Down Capture Ratio 90.04 94.40

#### **Portfolio Metrics** Fund Bmark Cat Price/Earnings Ratio 15.68 13.92 20.21 Price/Book Ratio 2.29 3.41 3.60 Geom Avg Mkt Cap \$B 4 50 2 37 4 40 ROE 11.46 10.03 15.28

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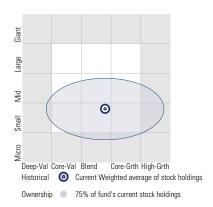


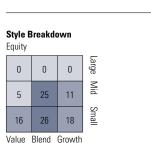
Morningstar Category Morningstar Index Small Growth

Russell 2000 Growth TR USD

## PGIM Jennison Small Company R6 PJSQX

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





Weight %

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

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
∋ Dreyfus Government Cash Mgmt Instl	4.08	4.08	_	_
PDC Energy Inc	2.54	6.63	20.42	Energy
Performance Food Group Co	2.29	8.92	-6.41	Consumer Defensive
Targa Resources Corp	2.28	11.20	17.52	Energy
Trinity Industries Inc	2.04	13.24	-27.02	Industrials
Gaming and Leisure Properties Inc	1.96	15.21	-4.77	Real Estate
$\oplus$ Chord Energy Corp Ordinary Shares - New	1.91	17.12	27.10	Energy
$\ominus$ Axis Capital Holdings Ltd	1.82	18.94	-7.40	Financial Services
Alleghany Corp	1.81	20.74	25.73	Financial Services
WillScot Mobile Mini Holdings Corp	1.69	22.43	-1.25	Industrials
Molina Healthcare Inc	1.67	24.10	3.70	Healthcare
Darling Ingredients Inc	1.63	25.73	-4.53	Consumer Defensive
Tower Semiconductor Ltd	1.55	27.28	_	Technology
Apellis Pharmaceuticals Inc	1.47	28.75	44.46	Healthcare
Acadia Healthcare Co Inc	1.47	30.22	28.80	Healthcare

#### Total Holdings 124

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

Fund

38.68

3.15

10.09

14.90

10.54

38.65

0.00

7.62

17.54

13.49

22.68

4.98

14.82

2.88

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 Allocation as of 09-30-2022

Sector Weighting as of 09-30-2022

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F

Utilities

Cyclical

Basic Materials

Consumer Cyclical

Financial Services

**Communication Services** 

Real Estate

Sensitive

Energy

Industrials

Technology

Defensive

Healthcare

**Consumer Defensive** 

Asset Class	Net %	Cat%
US Stocks	89.92	92.44
Non-US Stocks	6.06	4.23
Bonds	0.00	0.01
Cash	4.02	2.96
Other	0.00	0.37
Total	100.00	100.00

# Fund Benchmark Category Average Image: Contract of the second second

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Morningstar Category M

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

Morningstar Index Russell 2000 Growth TR USD

# 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.

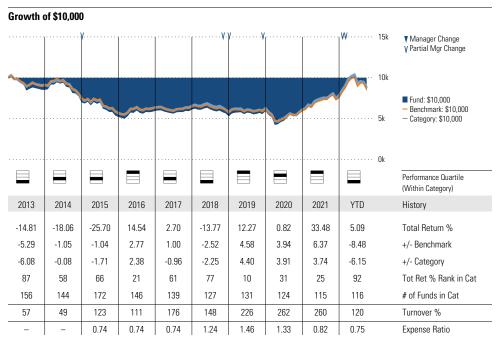
Net Expense: The fund's expense ratio of 0.76 is 26.92% lower than the Commodities Broad Basket category average.

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

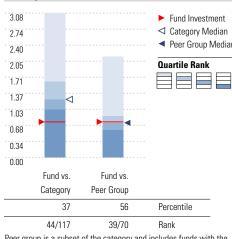
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

#### 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

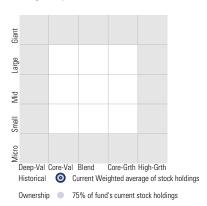
Commodities Broad Basket

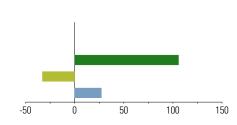
Morningstar Category

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	_	-
$\ominus$ 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.

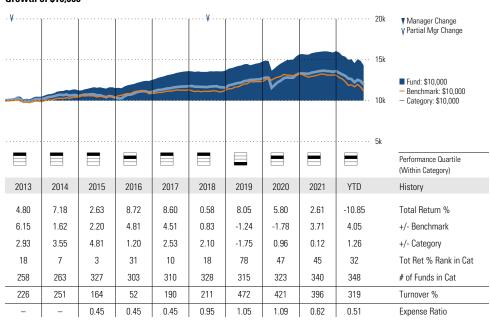
#### Morningstar Investment Management LLC Analysis

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.

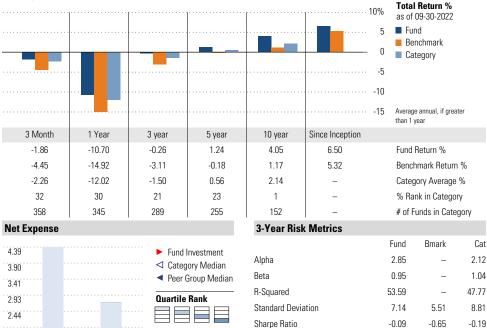


Morningstar Category Multisector Bond

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

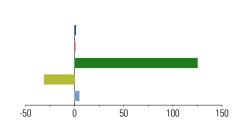
## PIMCO Income Insti PIMIX

#### 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.

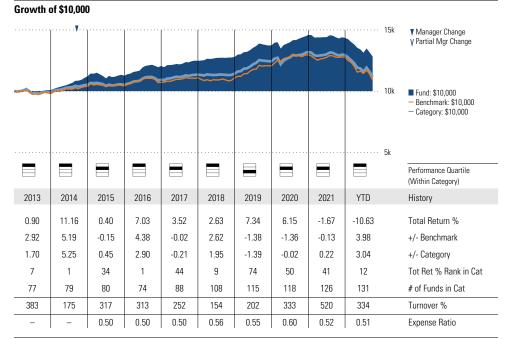
#### Morningstar Investment Management LLC Analysis

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
3B	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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## 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.

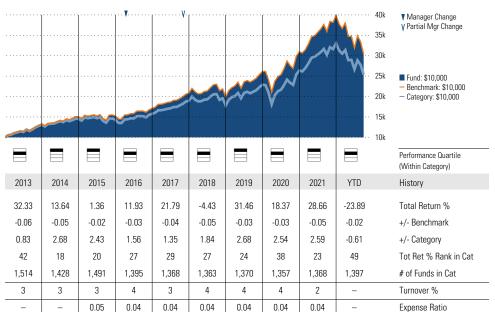
#### Morningstar Investment Management LLC Analysis

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**

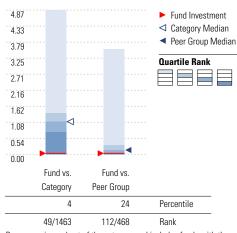
Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022





#### **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

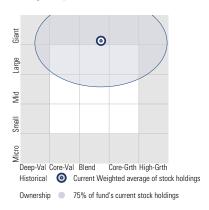
**Morningstar Category** 

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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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

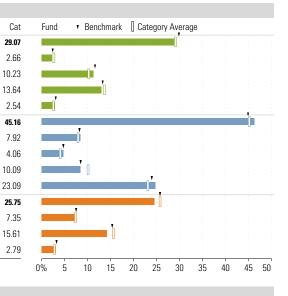
⊕ Increase ⊖ Decrease 🕸 New to Portfolio

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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 Developed Markets Index Admiral VTMGX

## Portfolio Manager(s)

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

#### Quantitative Screens

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

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

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

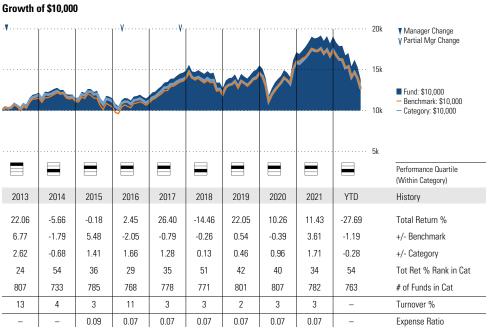
Net Expense: The fund's expense ratio of 0.07 is 92.47% lower than the Foreign Large Blend category average.

#### Morningstar Investment Management LLC Analysis

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

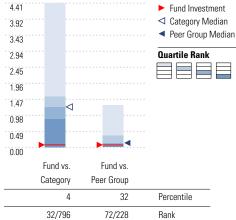
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	2	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.

20	-	% Ra	ink in Catego	ory
425	-	# of F	unds in Cate	egory
3-Year Risk	Metrics			
		Fund	Bmark	Cat
Alpha		0.53	-	0.08
Beta		1.06	-	1.01
R-Squared		96.96	-	93.77
Standard Devia	ition	19.95	18.48	19.26
Sharpe Ratio		0.00	-0.03	-0.02
Tracking Error		3.67	-	4.83
Information Ra	tio	0.07	-	-0.01
Up Capture Rat	io	108.74	-	103.08
Down Capture	Ratio	106.85	-	103.04

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	11.82	11.06	11.27
Price/Book Ratio	1.46	1.49	1.51
Geom Avg Mkt Cap \$B	25.35	34.91	41.65
ROE	17.20	18.13	20.02

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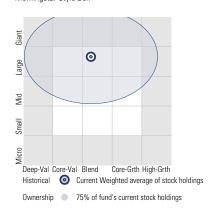


**Morningstar Category** Morningstar Index Foreign Large Blend

MSCI ACWI Ex USA NR USD

# Vanguard Developed Markets Index Admiral VTMGX

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





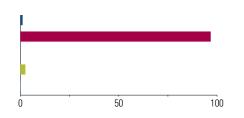


Weight %

<25

>50 25-50 10-25 0-10

## World Regions % Equity 09-30-2022

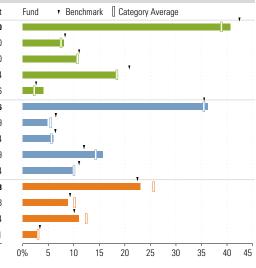


## Sector Weighting as of 09-30-2022

Asset Allocation as of 09-30-2022

		Fund	Bmark	Cat
Դ	Cyclical	40.66	42.29	38.90
æ.	Basic Materials	8.06	8.16	7.50
	Consumer Cyclical	10.40	10.91	10.70
ц.	Financial Services	18.18	20.73	18.44
ŵ	Real Estate	4.02	2.49	2.26
w	Sensitive	36.25	35.38	35.46
	Communication Services	4.84	6.35	5.49
0	Energy	5.99	6.26	5.64
¢	Industrials	15.66	11.87	14.29
	Technology	9.76	10.90	10.04
	Defensive	23.08	22.32	25.63
F	Consumer Defensive	8.85	9.14	10.18
٠	Healthcare	11.02	9.95	12.44
9	Utilities	3.21	3.23	3.01

Asset Class         Net %         Cat%           US Stocks         0.94         2.94           Non-US Stocks         96.65         94.78           Bonds         0.00         0.62           Cash         2.32         0.82           Other         0.08         0.83	Total	100.00	100.00
US Stocks         0.94         2.94           Non-US Stocks         96.65         94.78           Bonds         0.00         0.62	Other	0.08	0.83
US Stocks 0.94 2.94 Non-US Stocks 96.65 94.78	Cash	2.32	0.82
US Stocks 0.94 2.94	Bonds	0.00	0.62
	Non-US Stocks	96.65	94.78
Asset Class Net % Cat%	US Stocks	0.94	2.94
	Asset Class	Net %	Cat%



	Greater Asia	Fund % 37.33	Cat % 36.02	Americas	Fund % 11.52	Cat % 9.12	Greater Europe	Fund % 51.16	Cat % 54.87	Market Maturity	Fund %
	Japan Australasia Asia-4 Tigers Asia-ex 4 Tigers	21.06 7.63 8.36 0.28	18.20 5.40 6.89 5.53	North America Central/Latin	11.42 0.10	7.95 1.17	United Kingdom W euro-ex UK Emrgng Europe Africa	12.33 37.80 0.23 0.80	13.86 39.70 0.06 1.25	Developed Markets Emerging Markets Not Available	99.38 0.62 0.00
>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
	1.69	1.69	-14.55	Consumer Defensive
∋ Slcmt1142	1.31	3.00	_	-
$oldsymbol{eta}$ Roche Holding AG	1.16	4.16	-13.08	Healthcare
$\oplus$ Samsung Electronics Co Ltd	1.09	5.25	_	Technology
€ Shell PLC	1.04	6.29	42.21	Energy
🕀 AstraZeneca PLC	1.00	7.30	17.14	Healthcare
$\oplus$ ASML Holding NV	0.98	8.27	-37.96	Technology
Đ Toyota Motor Corp	0.95	9.23	-9.84	Consumer Cyclical
€ Novartis AG	0.88	10.10	-3.41	Healthcare
Đ Novo Nordisk A/S Class B	0.87	10.98	4.70	Healthcare

#### Total Holdings 4132

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

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Morningstar Category

Foreign Large Blend

Morningstar Index MSCI ACWI Ex USA NR USD

## Vanguard Growth Index Admiral VIGAX

#### Portfolio Manager(s)

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

#### Quantitative Screens

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

*Management:* The fund's management has been in place for 27.77 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 0.05 is 94.79% lower than the Large Growth category average.

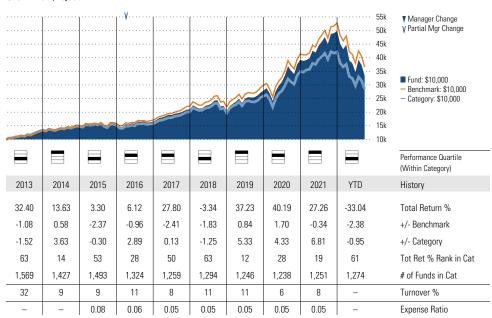
#### Morningstar Investment Management LLC Analysis

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**

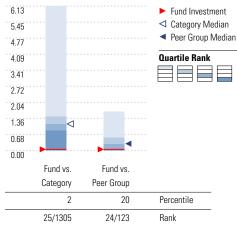
Metric	Rating	Updated
Sustainability Rating	4	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

Growth of \$10,000



#### 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.

# of Funds in Category Fund Bmark Cat Alpha -1.31 -3.29 0.97 Beta 1.03 99.68 **R-Squared** 93.15 Standard Deviation 23.93 23 13 23.33 Sharpe Ratio 0.47 0 52 0.37 Tracking Error 1.55 6.09 Information Ratio -0.76 -0.78 Up Capture Ratio 100.45 88.47 Down Capture Ratio 104.22 97.94

#### **Portfolio Metrics** Fund Bmark Cat Price/Earnings Ratio 28.71 23 78 23.27 Price/Book Ratio 7.74 8.32 6.18 Geom Avg Mkt Cap \$B 316 49 240 14 266 70 ROE 38.02 41.06 37.20

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Morningstar Index

Russell 1000 Growth TR USD

Morningstar Category

# Vanguard Growth Index Admiral VIGAX

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** 

50

100

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

30.00

1.76

19.07

6.49

2.68

59.57

12.62

0.98

4.28

41.69

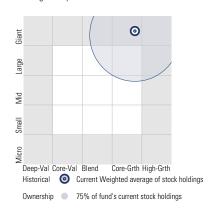
10.43

2.70

7.73

0.00

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







Weight %

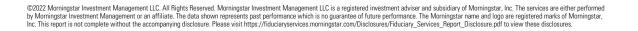
>50 25-50 10-25 0-10

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

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
€ Apple Inc	13.30	13.30	-21.79	Technology
€ Microsoft Corp	11.18	24.48	-30.20	Technology
$\oplus$ Amazon.com Inc	6.21	30.70	-32.22	Consumer Cyclical
$\oplus$ Tesla Inc	4.18	34.88	-24.70	Consumer Cyclical
$\oplus$ Alphabet Inc Class A	3.73	38.60	-33.97	Communication Svc
€ Alphabet Inc Class C	3.31	41.91	-33.54	Communication Svc
€ NVIDIA Corp	2.30	44.21	-58.69	Technology
$oldsymbol{\oplus}$ Meta Platforms Inc Class A	1.94	46.15	-59.66	Communication Svc
€ Visa Inc Class A	1.80	47.95	-17.50	Financial Services
${oldsymbol{ \oplus }}$ The Home Depot Inc	1.65	49.60	-32.14	Consumer Cyclical
$\oplus$ Mastercard Inc Class A	1.64	51.23	-20.46	Financial Services
Đ Costco Wholesale Corp	1.28	52.51	-16.35	Consumer Defensive
🕀 Thermo Fisher Scientific Inc	1.25	53.76	-23.85	Healthcare
➔ Accenture PLC Class A	1.08	54.84	-37.23	Technology
€ McDonald's Corp	1.04	55.88	-12.38	Consumer Cyclical

#### Total Holdings 263

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

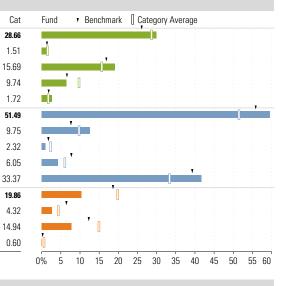


Large Growth Russell 1000 Growth TR USD
 Asset Class Net % Cat%
 US Stocks 98.72 93.35
 Non-US Stocks 0.99 4.27

**Morningstar Category** 

Non-US Stocks	0.99	4.27
Bonds	0.00	0.01
Cash	0.29	2.00
Other	0.00	0.37
Total	100.00	100.00

Morningstar Index





## 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.

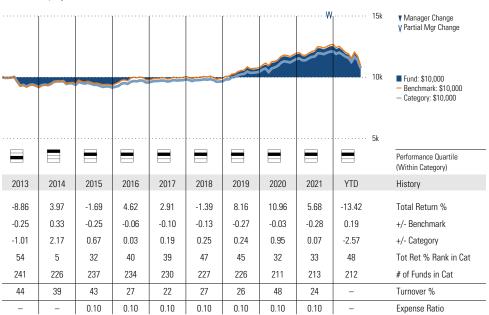
Net Expense: The fund's expense ratio of 0.1 is 83.05% lower than the Inflation-Protected Bond category average.

#### **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

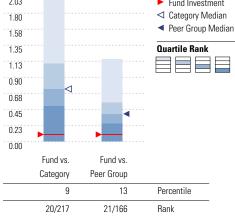


**Morningstar Category** 

Inflation-Protected Bond

#### **Trailing Performance**





38	_	% Rank in Category				
128	-	# of Funds in Category				
3-Year Risk Metrics						
		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	0		
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.

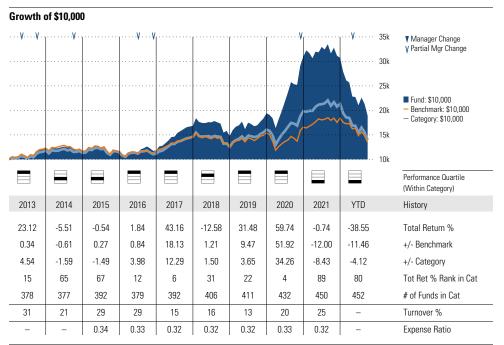
Net Expense: The fund's expense ratio of 0.32 is 69.52% lower than the Foreign Large Growth category average.

#### **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.

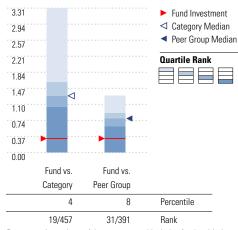
#### **ESG Metrics**

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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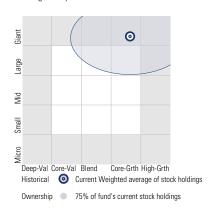


Morningstar Category Morningstar Index Foreign Large Growth

MSCI EAFE NR USD

# Vanguard International Growth Adm VWILX

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





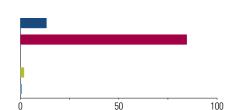


Weight %

<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

~

**Consumer Defensive** 

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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

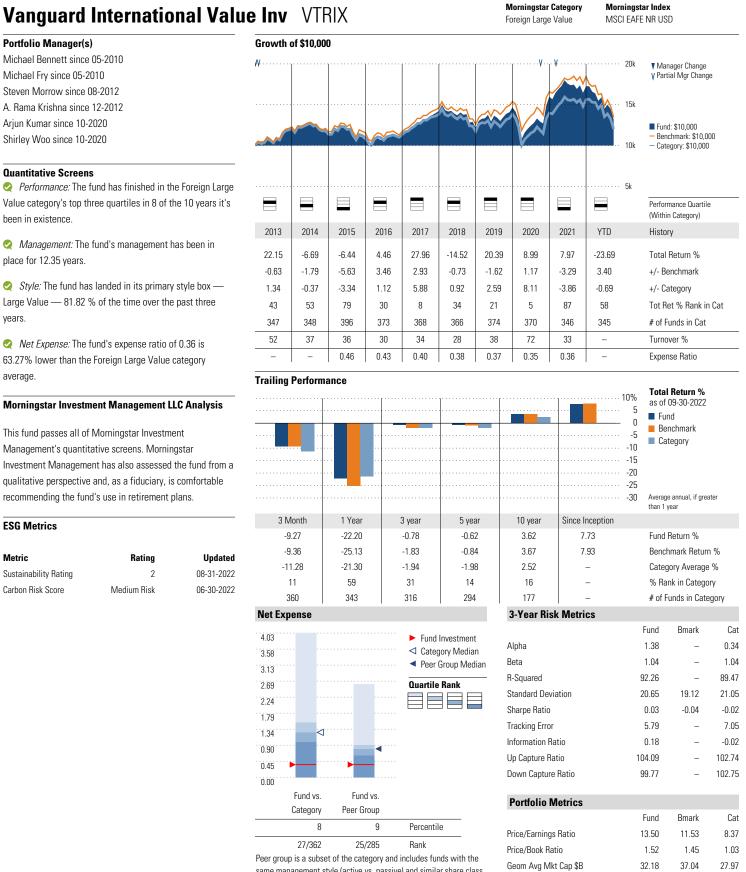
Morningstar Index

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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37 04

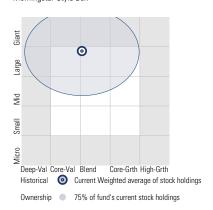
18.66

16.85

14.40

# Vanguard International Value Inv VTRIX

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





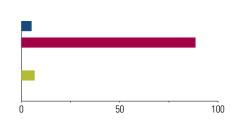


Weight %

<25

>50 25-50 10-25 0-10

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



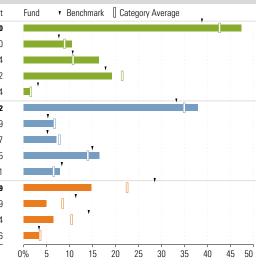
#### Sector Weighting as of 09-30-2022

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
<b>~</b>	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
Ф	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
2	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 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.

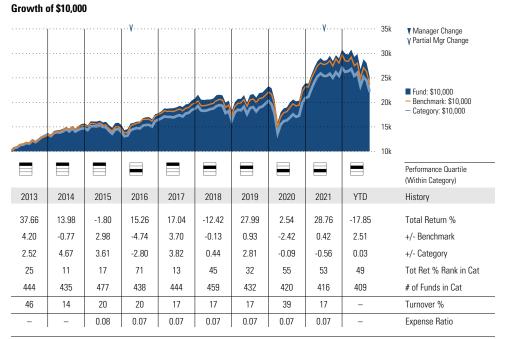
Net Expense: The fund's expense ratio of 0.07 is 92.93% lower than the Mid-Cap Value category average.

#### 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

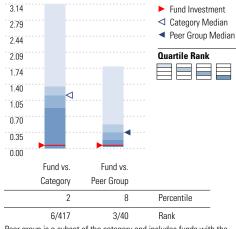


Morningstar Category

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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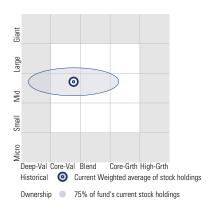


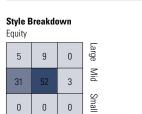
Cat

Russell Mid Cap Value TR USD

# Vanguard Mid-Cap Value Index Admiral VMVAX

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





0

0 0 Value Blend Growth

Weight %

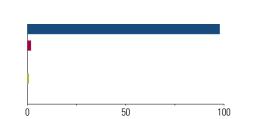
>50 25-50 10-25 0-10

#### 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
$\ominus$ Dollar Tree Inc	1.09	5.82	-3.15	Consumer Defensive
$\ominus$ Consolidated Edison Inc	1.08	6.90	3.29	Utilities
$\ominus$ 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

Դ Cyclical

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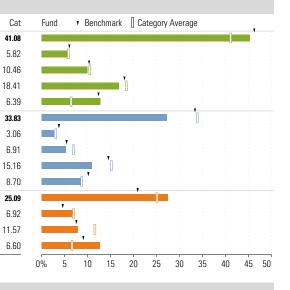
Energy

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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.

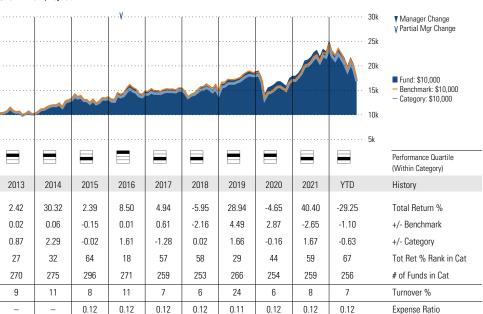
Net Expense: The fund's expense ratio of 0.12 is 88.35% lower than the Real Estate category average.

#### 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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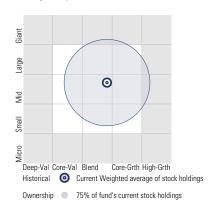
Morningstar Index

S&P United States REIT TR USD

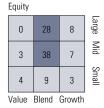


# Vanguard Real Estate Index Admiral VGSLX

**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.												

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

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  $\oplus$  Decrease R New to Portfolio



# 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.

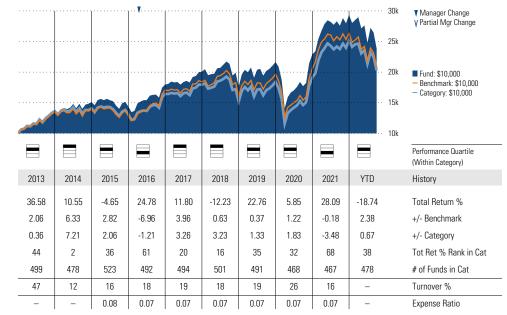
Net Expense: The fund's expense ratio of 0.07 is 93.91% lower than the Small Value category average.

#### **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.

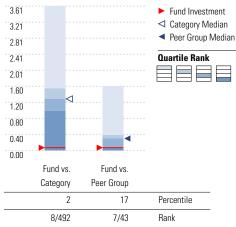
#### **ESG Metrics**

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

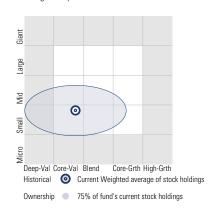
**Consumer Defensive** 

Healthcare

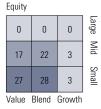
Asset Allocation as of 09-30-2022

50

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









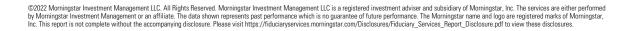
>50 25-50 10-25 0-10

#### 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

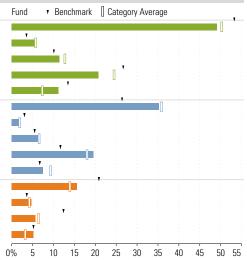
5.04

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.

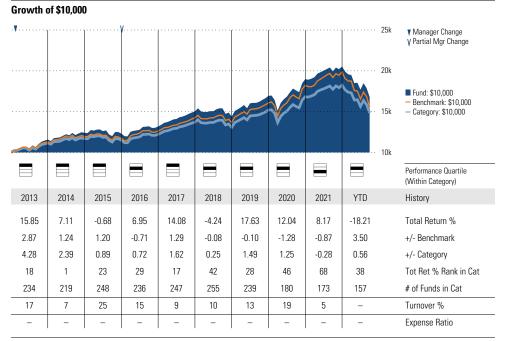
Net Expense: The fund's expense ratio of 0.08 is 87.1% lower than the Target-Date 2020 category average.

#### 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

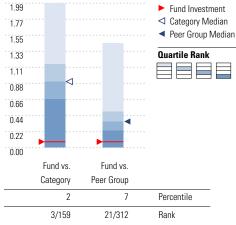


Morningstar Category

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

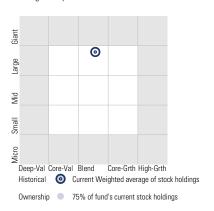
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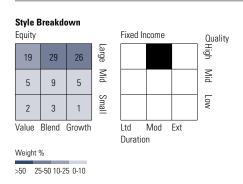


Morningstar Index Morningstar Lifetime Mod 2020 TR USD

# 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

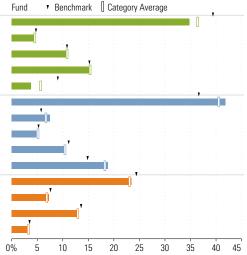
Target-Date 2020

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.

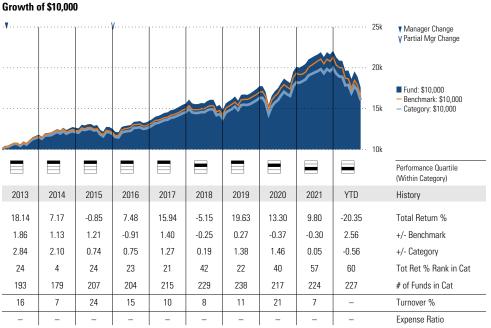
Net Expense: The fund's expense ratio of 0.08 is 88.06% lower than the Target-Date 2025 category average.

#### **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

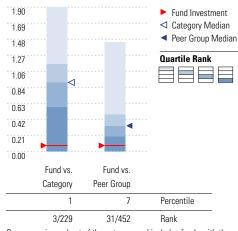


Morningstar Category

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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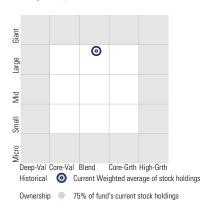


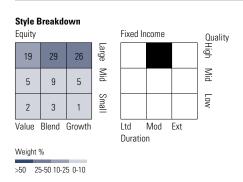
Morningstar Index Morningstar Lifetime Mod 2025 TR

USD

# Vanguard Target Retirement 2025 Fund VTTVX

**Style Analysis** as of 09-30-2022 Morningstar Style Box<sup>™</sup>





# 

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

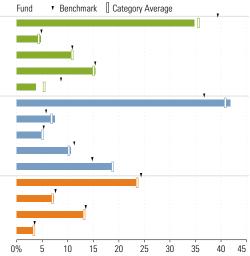
Target-Date 2025

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.

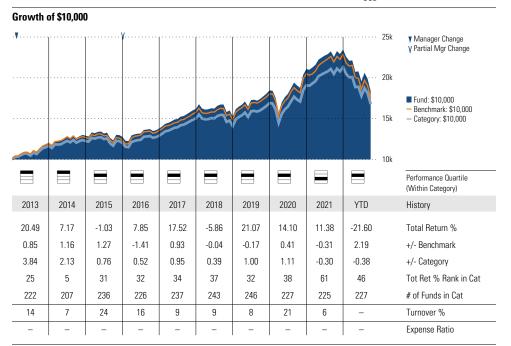
Net Expense: The fund's expense ratio of 0.08 is 88.24% lower than the Target-Date 2030 category average.

#### **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

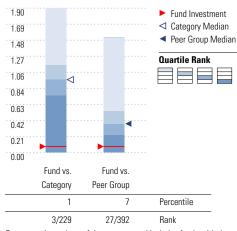


Morningstar Category

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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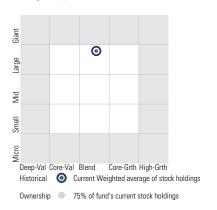


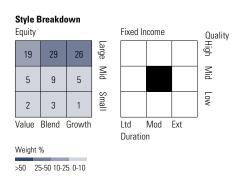
Morningstar Index Morningstar Lifetime Mod 2030 TR USD

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# Vanguard Target Retirement 2030 Fund VTHRX

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





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Asset Allocation as of 09-30-2022

Sector Weighting as of 09-30-2022

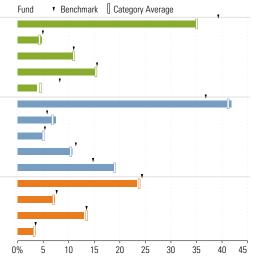
Total	100.00	100.00
Other	0.39	10.37
Cash	2.69	2.22
Bonds	34.01	30.40
Non-US Stocks	24.81	18.16
US Stocks	38.10	38.85
Asset Class	Net %	Cat%

**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.

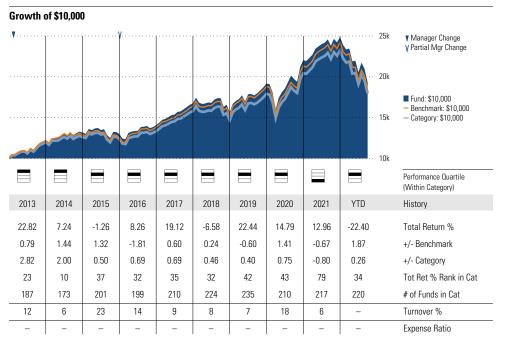
Net Expense: The fund's expense ratio of 0.08 is 88.57% lower than the Target-Date 2035 category average.

#### 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**

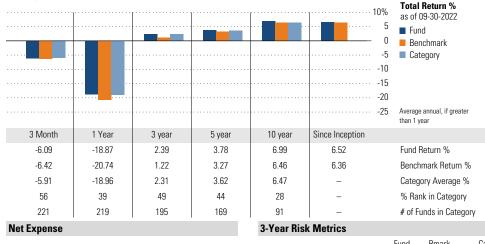
Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

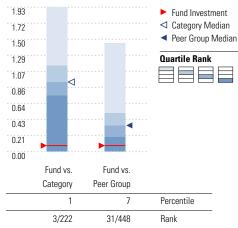


Morningstar Category

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

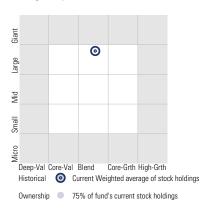
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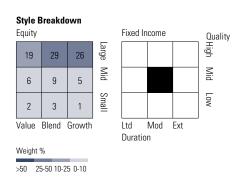


Morningstar Index Morningstar Lifetime Mod 2035 TR USD

# 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

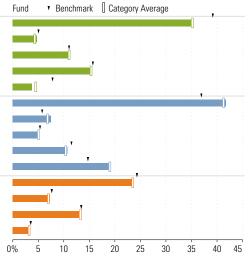
Target-Date 2035

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.

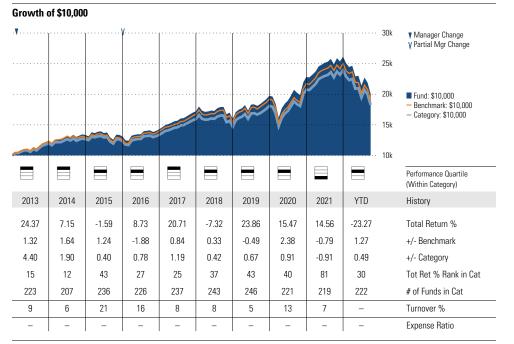
Net Expense: The fund's expense ratio of 0.08 is 88.57% lower than the Target-Date 2040 category average.

#### **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

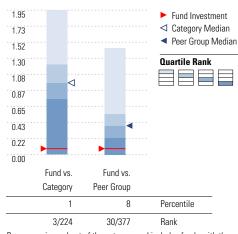


Morningstar Category

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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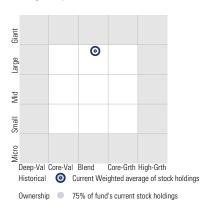


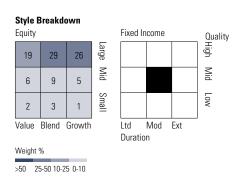
Morningstar Index Morningstar Lifetime Mod 2040 TR



# Vanguard Target Retirement 2040 Fund VFORX

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





# 

Outor		
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

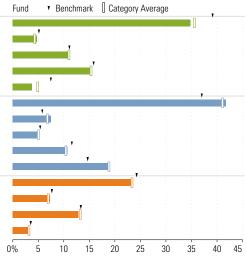
Target-Date 2040

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.

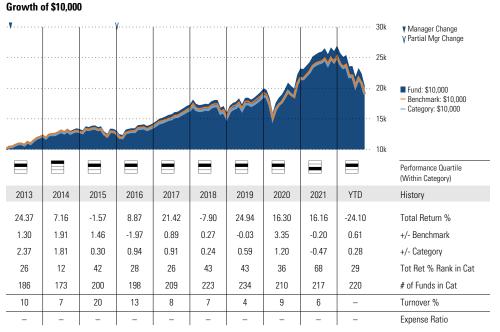
Net Expense: The fund's expense ratio of 0.08 is 88.57% lower than the Target-Date 2045 category average.

#### **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**

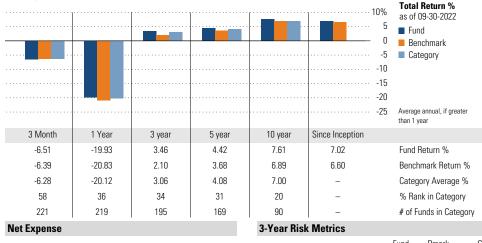
Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

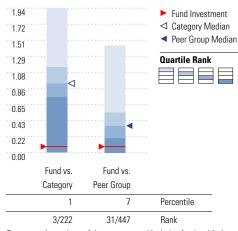


Morningstar Category

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

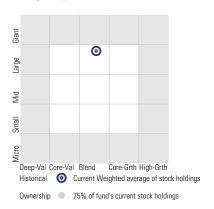
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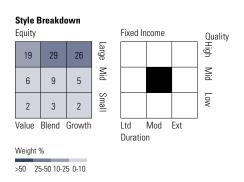


Morningstar Index Morningstar Lifetime Mod 2045 TR USD

# 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

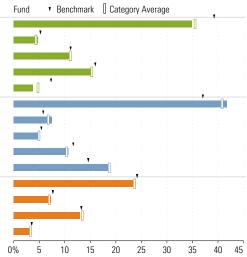
Target-Date 2045

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.

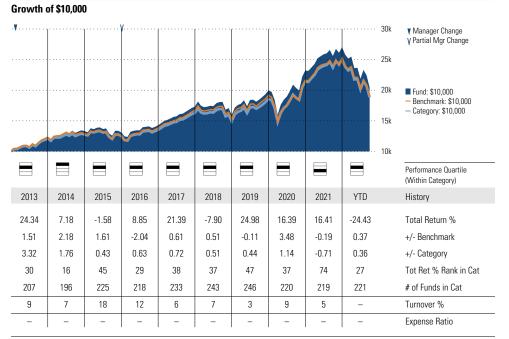
Net Expense: The fund's expense ratio of 0.08 is 88.73% lower than the Target-Date 2050 category average.

#### 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**

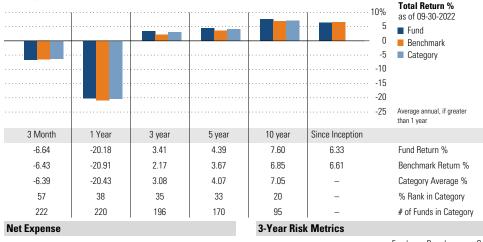
Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

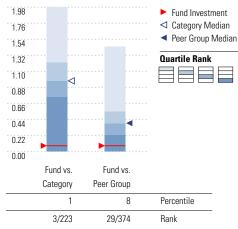


Morningstar Category

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

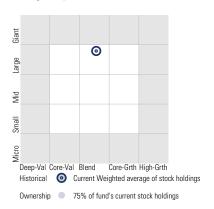
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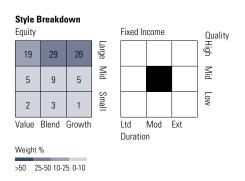


Morningstar Index Morningstar Lifetime Mod 2050 TR USD

# Vanguard Target Retirement 2050 Fund VFIFX

**Style Analysis** as of 09-30-2022 Morningstar Style Box<sup>™</sup>





# 

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

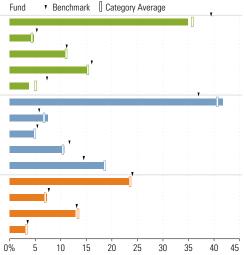
Target-Date 2050

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			
<b>→</b>	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.

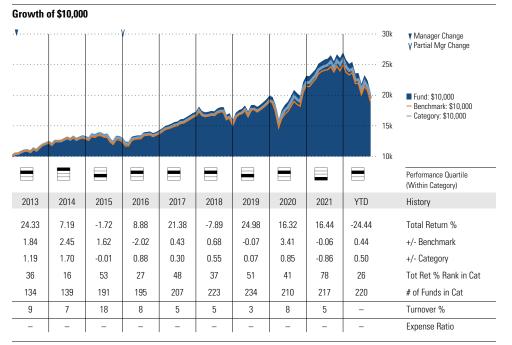
Net Expense: The fund's expense ratio of 0.08 is 88.73% lower than the Target-Date 2055 category average.

#### **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

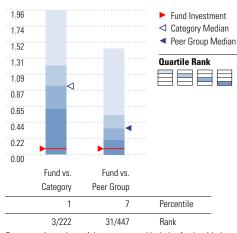


Morningstar Category

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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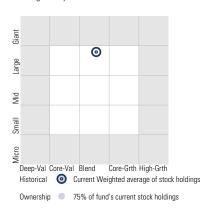


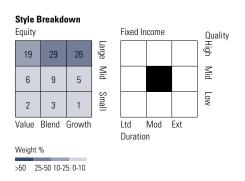
Morningstar Index Morningstar Lifetime Mod 2055 TR

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

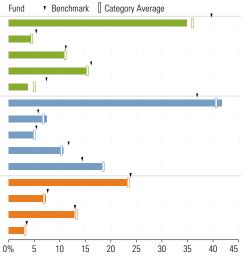
Target-Date 2055

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			
<b>N</b>	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			
<b>→</b>	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.

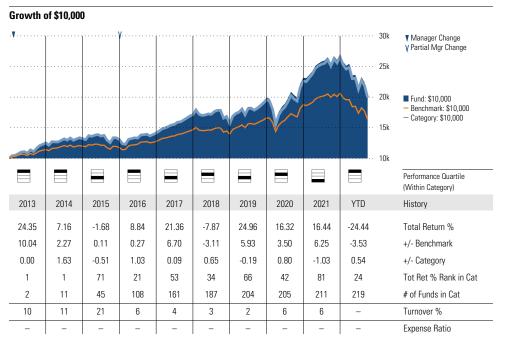
Net Expense: The fund's expense ratio of 0.08 is 88.73% lower than the Target-Date 2060 category average.

#### 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

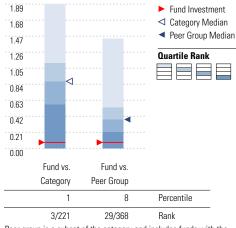


Morningstar Category

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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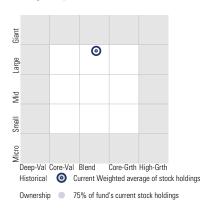


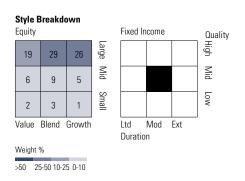
Morningstar Index

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%

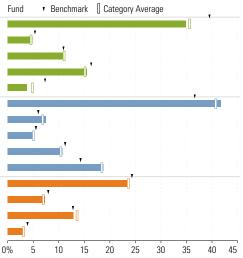
**Morningstar Index** 

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.

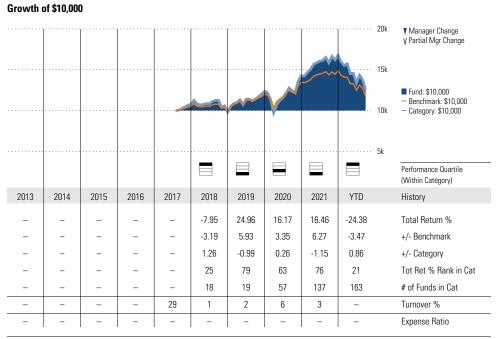
Net Expense: The fund's expense ratio of 0.08 is 88.41% lower than the Target-Date 2065+ category average.

#### 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

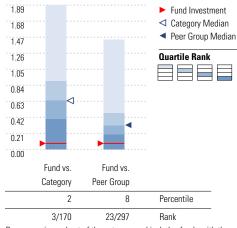


**Morningstar Category** 

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

Portfolio Metrics			
	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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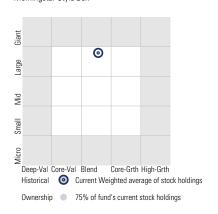


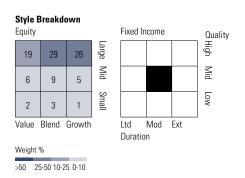
Morningstar Index

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

#### 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

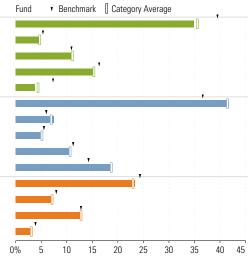
Morningstar Index

Morningstar Mod Tgt Risk TR USD

**Morningstar Category** 

Target-Date 2065+

#### Bmark Cat Fund Դ Cyclical 34.88 39.36 35.55 æ. Basic Materials 4.79 5.20 4.71 Consumer Cyclical 10.79 10.78 11.15 ц. Financial Services 15.51 16 20 15.31 ŵ Real Estate 3.79 7.18 4.38 Sensitive 41.75 3 36.47 41.47 đ **Communication Services** 7.45 5.85 6.96 Energy 4.87 5.39 5.14 ¢ Industrials 10.68 11.11 10.65 Technology 18.75 14.12 18.72 23.36 24.18 Defensive 22.97 **Consumer Defensive** 7.31 7.80 7.13 Healthcare 12.91 12.64 12.79 Utilities 3.14 3.74 3.05



#### 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	_	53.48	53.48	_	_
$\oplus$ Vanguard Total Intl Stock Index Inv	-	35.73	89.21	-	-
$\oplus$ Vanguard Total Bond Market II ldx Inv	-	6.40	95.62	-	-
$\oplus$ Vanguard Total Intl Bd II Idx Insl	-	3.00	98.62	-	-
⊕ Mktliq 12/31/2049	-	1.35	99.97	-	-
🕀 Us Dollar	-	0.03	100.00	-	_

#### 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.

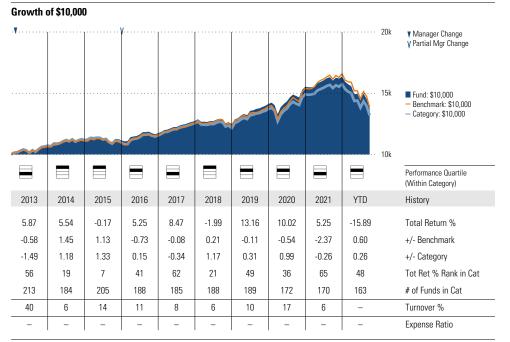
Net Expense: The fund's expense ratio of 0.08 is 88.06% lower than the Target-Date Retirement category average.

#### 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

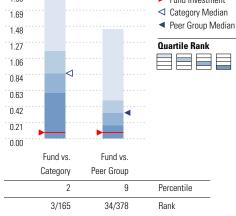
Target-Date Retirement

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

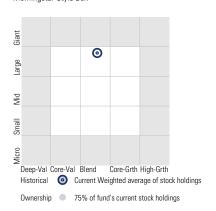
# Fund Bmark Cat Price/Earnings Ratio 15.47 14.54 14.00 Price/Book Ratio 2.28 2.17 2.09 Avg Eff Duration 5.96 6.58

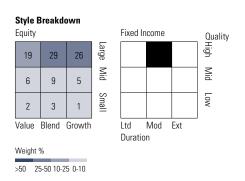
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# Vanguard Target Retirement Income Fund VTINX

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





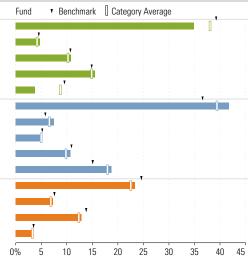
# 50 100 0

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	
<b>L</b>	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
Vanguard Total Bond Market II Idx 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

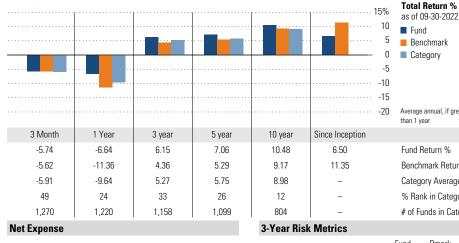




**Morningstar Category** 

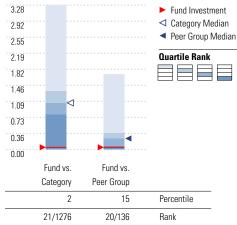
Large Value

#### **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

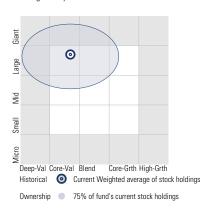
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Russell 1000 Value TR USD

# Vanguard Value Index Adm VVIAX

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







Weight %

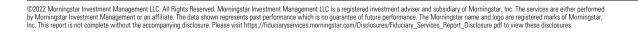
>50 25-50 10-25 0-10

#### 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}    extsf{Eli Lill Lilly and Co}    extsf{Eli Lill Lill Lill Lill Lill Lill Lill L$	1.67	20.26	18.13	Healthcare
➔ AbbVie Inc	1.50	21.76	2.52	Healthcare
$\oplus$ 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

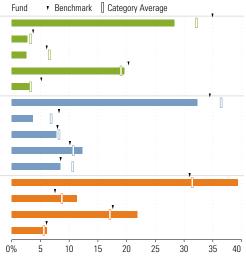
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	50	100

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

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Asset Allocation as of 09-30-2022

		Fund	Bmark	Cat	Fu
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	



## Western Asset Core Bond IS WACSX

Portfolio Manager(s)

Mark Lindbloom since 12-2006 S. Leech since 08-2013 Julien Scholnick since 05-2016 Frederick Marki since 05-2018 John Bellows since 05-2018

#### Quantitative Screens

*Performance:* The fund has finished in the Intermediate Core 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 15.76 years.

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.43 is 27.12% 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

Growth of \$10,000											
¥			<b>v</b>		····¥·····	¥				15k	▼ Manager Change γ Partial Mgr Change
~~										10k	<ul> <li>■ Fund: \$10,000</li> <li>─ Benchmark: \$10,000</li> <li>─ Category: \$10,000</li> </ul>
										5k	Performance Quartile (Within Category)
2013	2014	2015	2016	2017	2018	2019	2020	2021	YTD		History
-1.81 0.21	7.54 1.57	1.22 0.67	4.13 1.48	5.23 1.69	-0.67 -0.68	10.55 1.83	9.13 1.62	-1.80 -0.26	-18.74 -4.13		Total Return % +/- Benchmark
-0.39	2.36	1.48	0.90	1.52	-0.17	2.49	1.61	-0.32	-4.07		+/- Category
55	3	8	24	8	59	1	14	64	98		Tot Ret % Rank in Cat
549	486	499	462	461	440	447	434	441	457		# of Funds in Cat
147	93	85	81	102	115	125	159	72	-		Turnover %
_	-	0.44	0.43	0.42	0.42	0.42	0.42	0.42	-		Expense Ratio

#### **Trailing Performance**



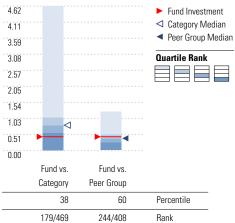
Alpha

Beta

R-Squared

Standard Deviation

Avg Eff Maturity



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

Sharpe Ratio -0.69 -0.70 -0.67 Tracking Error 2.25 1.53 Information Ratio -0.46 -0.06 Up Capture Ratio 126.38 104.83 Down Capture Ratio 128.54 102.46 **Portfolio Metrics** Fund Bmark Cat Avg Eff Duration 6.97 4 43 5.95

-0.27

1 23

92.38

6 85

12.76

0.06

1 00

91.94

5.61

8.08

5.36

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**Morningstar Category** 

Intermediate Core Bond

Morningstar Index

Bloomberg US Agg Bond TR USD

# Western Asset Core Bond IS WACSX

Fund

59.52

7.43

13.57

16.24

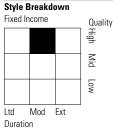
1.08

0.03

0.00

2.13

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



**Credit Rating Breakdown** 

AAA AA

A BBB

BB

В

Below B

Not Rated

-50 0 50 100 150

# Asset Class Net % Cat% US Stocks 0.00 0.05 Non-US Stocks 0.00 0.00 Bonds 101.06 94.93 Cash -2.53 2.71

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

Asset Allocation as of 09-30-2022

			Fund	Bmark	Cat	Fund	۲	Benchmark	Category Average
Bmark	Cat	Government	25.81	-	30.91				
3.53		Treasury	24.83	-	24.98				
	48.24	Inflation – Protected	0.00	-	1.47	i 🛛			
74.59	11.54	Agency/Quasi Agency	0.98	-	1.12				
10.82	24.71	Other Government Related	0.00	_	3.34	i [			
8.32	12.75	Corporate	30.55	-	26.16				0
0.28	1.25	Corporate Bond	29.22	_	24.80		1		
0.00	0.50	Bank Loan	0.00	_	0.05	Î			
0.00	0.28	Convertible	1.33	_	1.27	Ĩ			
2.46	0.73	Preferred	0.00	-	0.04				
		Securitized	38.09	_	34.55				A A A A A A A A A A A A A A A A A A A
		Agency MBS Pass-Through	21.20	_	22.81		1	:	
		Agency MBS ARM	0.36	-	0.18				
		Agency MBS CMO	1.98	-	2.43				
		Non-Agency Residential MBS	1.46	-	0.20	]			
		Commercial MBS	3.87	-	2.81				
		Asset-Backed	9.22	-	6.12		1		
		Covered Bond	0.00	_	0.00	0			
		Municipal	0.02	-	0.67	10			
		Cash & Equivalents	5.04	-	5.99				

0.49

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

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
$\oplus$ Trade Date Cash	-	6.60	6.60	_
United States Treasury Bonds 1.875%	_	4.97	11.56	-
$\oplus$ Western Asset Prem Instl Govtt Rsrv Pref	_	3.47	15.03	-
igodoldoldoldoldoldoldoldoldoldoldoldoldol	_	2.20	17.23	-
⊕ Usd Swap Contra Asset	_	1.47	18.71	-
🕀 Usd Otc Cash Margin	_	1.33	20.04	_
$\oplus$ Federal National Mortgage Association 3.5%	_	1.21	21.25	-
United States Treasury Bonds 2.375%	_	1.16	22.41	-
United States Treasury Notes 0.25%	05-2025	1.00	23.41	-
United States Treasury Bonds 1.625%	_	0.99	24.40	-

#### Total Holdings 2637

🕀 Increase  $\ominus$  Decrease 🕸 New to Portfolio

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Other



Morningstar Category

Other

Total

5

10

15

20

25

30

35 40

0%

1.74

\_

Intermediate Core Bond Bloomberg US Agg Bond TR USD

Morningstar Index

1.46

100.00

2.30

100.00