# American Funds Invmt Co of Amer R6 RICGX

Growth of \$10,000

Portfolio Manager(s)

James Lovelace since 03-1992 Donald O'Neal since 03-1992 Jovce Gordon since 01-2001 Christopher Buchbinder since 03-2007 Barry Crosthwaite since 01-2013 Grant Cambridge since 03-2014 Martin Romo since 07-2018 Martin Jacobs since 12-2019 James Terrile since 03-2020

## 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 29.85 years.

Style: The fund has landed in its primary style box — Large Blend - 72.73 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.27 is 66.67% lower than the Large Blend category average.

## **Morningstar Investment Management LLC Analysis**

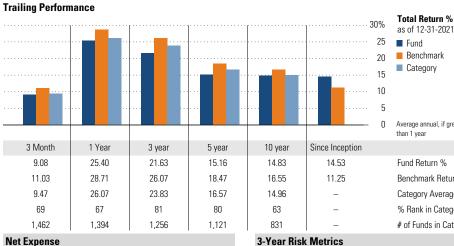
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

## **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	2	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021



**V** V. . . . . . V....V Ŋ. 50k V Manager Change V Partial Mgr Change 45 40k 351 301 Fund: \$39.845 Benchmark: \$46,257 25k Category: \$37,970 20k 15k 10k \_\_\_\_ Performance Quartile (Within Category) 2012 2013 2014 2015 2016 2017 2018 2019 2020 YTD History 15.98 32.84 12.41 -1.15 14.93 20.06 -6.25 24.92 14.85 25.40 Total Return % 0.45 2.97 -1.77 -1.87 -3.55 -0.02 -1.28 -2.53 -6.57 -3.31 +/- Benchmark 1.34 1.45 4.56 -0.38 -0.98 1.02 -0.08 0.02 -3.86 -0.67 +/- Category 35 36 39 55 7 63 58 87 61 67 Tot Ret % Rank in Cat 1,553 1,534 1,450 1,413 1,389 1,388 1,397 1,394 # of Funds in Cat 1,513 1,383 21 24 29 30 25 28 36 31 39 \_ Turnover % \_ 0.30 0.30 0.30 0.30 0.29 0.28 0.27 \_ Expense Ratio



# Quartile Rank

63	-	% Ra	nk in Catego	ory
831	-	# of F	unds in Cate	egory
3-Year Risk Me	etrics			
		Fund	Bmark	Cat
Alpha		-1.94	_	-1.70
Beta		0.92	-	0.97
R-Squared		97.95	-	95.10
Standard Deviation		16.24	17.41	17.41
Sharpe Ratio		1.24	1.38	1.25
Tracking Error		2.68	-	3.76
Information Ratio		-1.66	-	-1.29
Up Capture Ratio		90.14	-	93.94
Down Capture Ratio	I	99.74	-	100.53
Portfolio Metri	cs			
		Fund	Bmark	Cat
Price/Earnings Ratio	)	23.55	25.15	25.73

	213/1430	103/003	nunk	
er gro	oup is a subset of the	e category and in	cludes funds with the	
me m	anagement style (ac	tive vs. passive)	and similar share class	
aract	eristics.			

Fund vs

Peer Group

Price/Book Ratio 4.07 4.59 5.74 Geom Avg Mkt Cap \$B 223 15 230.65 305 14 ROE 29.42 32.75 38.00

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Fund vs

Category

4 87 4.33 3.79 3.25

2.71 2.16 1.62 1.08 0.54 0.00



Morningstar Category Morningstar Index

S&P 500 TR USD

as of 12-31-2021 Fund Benchmark

Category

Average annual, if greater than 1 year

Fund Return % Benchmark Return % Category Average %

lank in Category

	81	80	63	-	% Ra
1	,256	1,121	831	-	# of I
			<b>3-Year Ris</b>	k Metrics	
	Fund I	n o tro o tr			Fund
		nvestment ory Median	Alpha		-1.94
	0	Group Median	Beta		0.92

15 12 Percentile 219/1490 105/883 Rank Pee sar cha

# American Funds Invmt Co of Amer R6 RICGX

Asset Allocation as of 12-31-2021

Sector Weighting as of 12-31-2021

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Energy

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F

Cyclical

Basic Materials

Consumer Cyclical

Financial Services

**Communication Services** 

Real Estate

Sensitive

Industrials

Technology

Defensive

Healthcare

**Utilities** 

**Consumer Defensive** 

50

Fund

27.27

4.38

11.26

9.46

2.17

50.78

15.00

4.36

10.04

21.38

21.95

6.42

11.84

3.69

Bmark

30.24

2.27

12.29

12.91

2.77

47.59

10.16

2.67

8.13

26.63

22.18

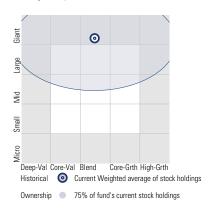
6.30

13.38

2.50

100

**Style Analysis** as of 12-31-2021 Morningstar Style Box™





Weight %

>50 25-50 10-25 0-10

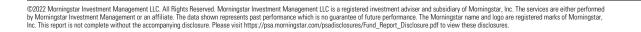
Value Blend Growth

## Top 15 Holdings as of 12-31-2021

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Nume	10 HELASSEL	Gumulative /0	TTD TIGLUTT /0	worningstal Jector
⊖ Microsoft Corp	8.51	8.51	52.24	Technology
$\ominus$ Broadcom Inc	4.38	12.89	55.38	Technology
$\ominus$ Meta Platforms Inc Class A	4.23	17.12	23.13	Communication Svc
$\oplus$ Amazon.com Inc	3.65	20.77	2.38	Consumer Cyclical
$\oplus$ Comcast Corp Class A	3.12	23.89	-2.08	Communication Svc
∋ Capital Group Central Cash Fund	2.91	26.80	-	-
$\ni$ Netflix Inc	2.88	29.68	11.41	Communication Svc
$\ni$ Abbott Laboratories	2.79	32.47	30.19	Healthcare
$\ni$ The Home Depot Inc	2.67	35.15	58.73	Consumer Cyclical
⇒ Alphabet Inc Class A	2.45	37.59	65.30	Communication Svc
$\oplus$ Philip Morris International Inc	2.19	39.78	20.67	Consumer Defensive
$\oplus$ Apple Inc	2.00	41.78	34.48	Technology
$\ominus$ UnitedHealth Group Inc	1.98	43.76	44.79	Healthcare
€ Linde PLC	1.57	45.33	33.08	Basic Materials
🕀 General Electric Co	1.53	46.87	9.71	Industrials

## Total Holdings 191

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

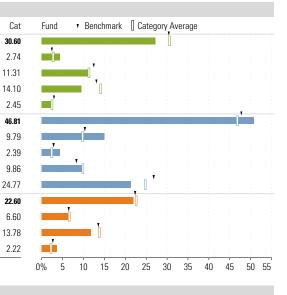




 Morningstar Category
 Morningstar Index

 Large Blend
 S&P 500 TR USD

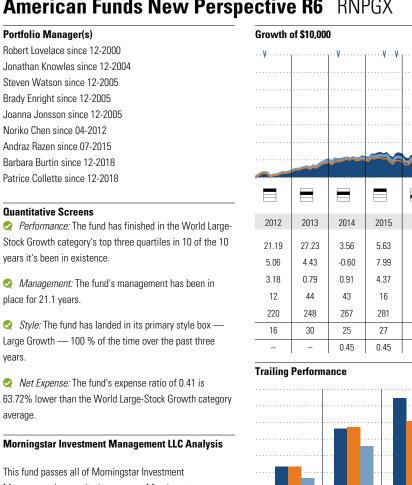
Total	100.00	100.00
Other	0.66	1.47
Cash	2.99	0.14
Bonds	0.00	0.81
Non-US Stocks	9.84	2.90
US Stocks	86.50	94.69
Asset Class	Net %	Cat%



# American Funds New Perspective R6 RNPGX

Morningstar Category Morningstar Index World Large-Stock Growth

MSCI ACWI NR USD

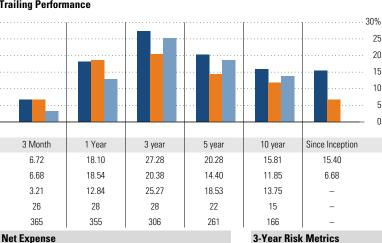


Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

## **ESG Metrics**

Metric	Rating	Updated
ESG Commitment	2-Basic	12-16-2021
Sustainability Rating	2	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021





Fund Investment

Category Median

Quartile Rank

Percentile

Peer Group Median

## **3-Year Risk Metrics**

	Fund	Bmark	Cat
Alpha	5.08	-	4.75
Beta	1.04	_	0.97
R-Squared	96.25	_	88.15
Standard Deviation	18.04	17.08	17.79
Sharpe Ratio	1.39	1.13	1.32
Tracking Error	3.55	_	6.01
Information Ratio	1.94	-	0.80
Up Capture Ratio	113.10	-	106.29
Down Capture Ratio	91.90	-	87.69

**Total Return %** 

as of 12-31-2021

Benchmark

Average annual, if greater than 1 year

Benchmark Return %

Category Average %

% Rank in Category

# of Funds in Category

Fund Return %

Category

Fund

### **Portfolio Metrics** Fund Bmark

Price/Earnings Ratio	25.67	20.00	30.89
Price/Book Ratio	4.59	2.94	5.51
Geom Avg Mkt Cap \$B	157.93	117.03	153.71
ROE	24.57	25.94	26.47

3/370 7/243 Rank Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

3

Fund vs

Peer Group

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Fund vs

Category

1

5.25

4.67

4.08 3.50

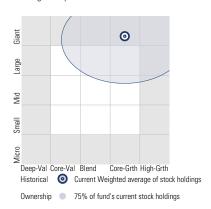
2.92 2.33 1.75 1.17 0.58 0.00



Cat

# American Funds New Perspective R6 RNPGX

Style Analysis as of 12-31-2021 Morningstar Style Box™





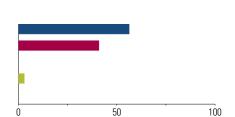


Weight %

<25

>50 25-50 10-25 0-10

## Wo



Fund

38.03

5.32

20.09

12.00

0.62

43.63

10.68

2.40

8.30

22.25

18.33

4.77

12.34

1.22

Asset Allocation as of 12-31-2021

Sector Weighting as of 12-31-2021

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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Utilities

#### Asset Class Net % Cat% US Stocks 56.25 57.59 Non-US Stocks 40.87 39.63 Bonds 0.00 0.00 Cash 2.89 2.04 0.00 Other 0.74 Total 100.00 100.00

Morningstar Index

MSCI ACWI NR USD

#### Benchmark [] Category Average Bmark Cat Fund 34.20 31.89 4.52 3.16 11.85 14.13 15.09 13.53 2.74 1.07 44.33 48.05 8.92 10.81 i î i 3.48 0.94 9.54 9.81 22.39 26.49 21.45 20.07 6.96 4.66 11.83 14.33 2.66 1.08 0% 10 15 20 25 30 35 40 5

Morningstar Category

World Large-Stock Growth

Greater Asia	Fund % 12.23	Cat % 14.33
Japan Australasia Asia-4 Tigers	3.19 0.53 6.82	4.05 0.30 4.73
	Japan	Greater Asia 12.23 Japan 3.19 Australasia 0.53

>75

Greater Asia	Fund % 12.23	Cat % 14.33	Americas	Fund % 61.53	Cat % 62.22	Greater Europe	Fund % 26.24	Cat % 23.46	Market Maturity	Fund %
Japan	3.19	4.05	North America	59.75	61.08	United Kingdom	3.57	4.72	Developed Markets	95.76
Australasia	0.53	0.30	Central/Latin	1.78	1.14	W euro-ex UK	21.74	18.22	Emerging Markets	4.24
Asia-4 Tigers	6.82	4.73				Emrgng Europe	0.51	0.23	Not Available	0.00
Asia-ex 4 Tigers	1.69	5.25				Africa	0.42	0.29		
Not Classified	0.00	0.00								

Top 10 Holdings as of 12-31-2021

50-75

25-50

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
$\ominus$ Tesla Inc	7.56	7.56	49.76	Consumer Cyclical
⊖ Microsoft Corp	3.98	11.53	52.24	Technology
	3.03	14.56	23.13	Communication Svc
Taiwan Semiconductor Manufacturing Co Ltd	2.97	17.54	18.02	Technology
$\ominus$ Capital Group Central Cash Fund	2.90	20.43	-	-
$\ominus$ Amazon.com Inc	2.79	23.23	2.38	Consumer Cyclical
$\ominus$ ASML Holding NV	1.59	24.82	78.48	Technology
$\ominus$ Alphabet Inc Class C	1.37	26.18	65.17	Communication Svc
$\ominus$ Alphabet Inc Class A	1.35	27.53	65.30	Communication Svc
⊖ Broadcom Inc	1.34	28.87	55.38	Technology

## Total Holdings 305

🕀 Increase  $\ominus$  Decrease 🕸 New to Portfolio

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45 50

# American Funds New World R6 RNWGX

## Portfolio Manager(s)

Carl Kawaia 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 Lisa Thompson since 10-2019 Kirstie Spence since 12-2019 Piyada Phanaphat since 01-2021 Akira Shiraishi since 01-2021 Dawid Justus since 01-2022

## 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 22.56 years.

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

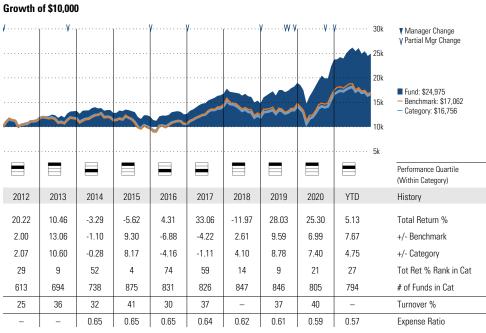
Net Expense: The fund's expense ratio of 0.57 is 52.1% lower than the Diversified Emerging Mkts category average.

## **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
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	4	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021





## **3-Year Risk Metrics**

	Fund	Bmark	Cat
Alpha	8.34	-	1.96
Beta	0.88	-	0.99
R-Squared	87.38	-	90.38
Standard Deviation	17.60	18.59	19.41
Sharpe Ratio	1.03	0.61	0.68
Tracking Error	6.61	-	5.81
Information Ratio	1.22	-	0.30
Up Capture Ratio	108.75	-	102.20
Down Capture Ratio	77.83	-	95.08

**Total Return %** 

as of 12-31-2021

Benchmark

Average annual, if greater

Benchmark Return %

Category Average %

% Rank in Category

# of Funds in Category

Category

than 1 year

Fund Return %

Fund

#### **Portfolio Metrics** Fund Bmark Cat Prico /Earnings Batio 21 24 12 49 14 49

FILCE/Editilitys natio	Z1.Z4	12.49	14.40
Price/Book Ratio	3.38	1.84	2.32
Geom Avg Mkt Cap \$B	66.76	43.97	53.07
ROE	20.37	18.03	18.99

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characteristics.

Fund vs

Category

98/841

12

Fund vs

11

66/603

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

Percentile

Rank

Peer Group

0.74 0.37 0.00



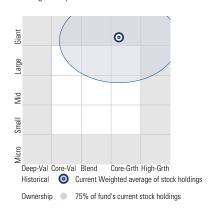
Morningstar Index **Morningstar Category** 

**Diversified Emerging Mkts** MSCI EM NR USD



# American Funds New World R6 RNWGX

Style Analysis as of 12-31-2021 Morningstar Style Box™





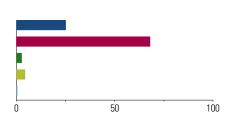


Weight %

<25

>50 25-50 10-25 0-10

## World Regions % Equity 12-31-2021



## Sector Weighting as of 12-31-2021

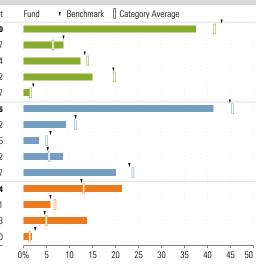
Asset Allocation as of 12-31-2021

		Fund	Bmark	Cat
Դ	Cyclical	37.47	42.89	41.50
<b>.</b>	Basic Materials	8.62	8.51	6.37
	Consumer Cyclical	12.38	13.12	13.94
<b>H</b>	Financial Services	14.96	19.34	19.72
ŵ	Real Estate	1.51	1.92	1.47
V <sup>ar</sup>	Sensitive	41.22	44.69	45.46
đ	Communication Services	9.24	11.12	11.22
0	Energy	3.35	5.66	4.95
¢	Industrials	8.58	5.08	5.52
	Technology	20.05	22.83	23.77
-	Defensive	21.32	12.41	13.04
E	Consumer Defensive	5.77	5.66	6.81
٠	Healthcare	13.72	4.41	4.93
9	Utilities	1.83	2.34	1.30

Morningstar Index **Morningstar Category** MSCI EM NR USD

Diversified Emerging Mkts

Asset Class	Net %	Cat%
US Stocks	24.97	3.29
Non-US Stocks	67.91	94.33
Bonds	2.55	-0.03
Cash	4.27	2.27
Other	0.30	0.14
Total	100.00	100.00



Greater Asia	Fund % 39.39	Cat % 73.88	Americas	Fund % 37.45	Cat % 12.03	Greater Europe	Fund % 23.15	Cat % 14.08	Market Maturity	Fund %
Japan	2.94	0.13	North America	28.88	3.05	United Kingdom	2.55	0.83	Developed Markets	61.07
Australasia	0.88	0.05	Central/Latin	8.57	8.98	W euro-ex UK	17.20	2.29	Emerging Markets	38.93
Asia-4 Tigers	8.05	27.34				Emrgng Europe	1.79	6.62	Not Available	0.00
Asia-ex 4 Tigers	27.52	46.36				Africa	1.61	4.34		
Not Classified	0.00	0.00								
•										

Top 10 Holdings as of 12-31-2021

25-50

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Capital Group Central Cash Fund	4.21	4.21	_	_
⊕ Microsoft Corp	3.17	7.39	52.24	Technology
$\oplus$ Taiwan Semiconductor Manufacturing Co Ltd	2.04	9.43	18.02	Technology
$\ominus$ Reliance Industries Ltd	1.90	11.33	19.60	Energy
$\oplus$ Kotak Mahindra Bank Ltd	1.79	13.12	-9.96	Financial Services
$\ominus$ Kweichow Moutai Co Ltd Class A	1.53	14.65	3.47	Consumer Defensive
$\ominus$ Silergy Corp	1.43	16.08	108.94	Technology
$\ominus$ MercadoLibre Inc	1.36	17.44	-19.51	Consumer Cyclical
Thermo Fisher Scientific Inc	1.27	18.71	43.48	Healthcare
⊖ Alphabet Inc Class C	1.26	19.97	65.17	Communication Svc

## Total Holdings 562

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

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# BlackRock High Yield Bond Instl BHYIX

## Portfolio Manager(s)

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

## Quantitative Screens

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

Management: The fund's management has been in place for 14.01 years.

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.62 is 33.33% lower than the High Yield Bond category average.

## **Morningstar Investment Management LLC Analysis**

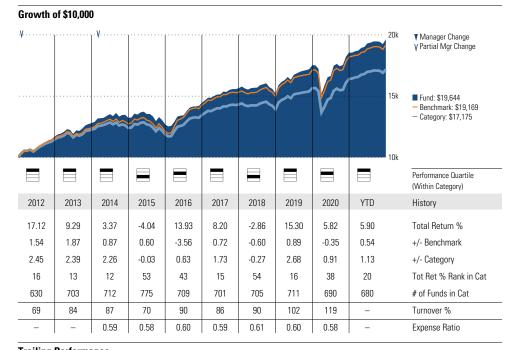
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

## ESG Metrics

Metric ESG Commitment

Rating 2-Basic Updated

12-16-2021



**Morningstar Category** 

High Yield Bond

#### **Trailing Performance Total Return %** 10% as of 12-31-2021 Fund Benchmark Category 5 Λ Average annual, if greater than 1 year 3 Month 1 Year 10 veai Since Inception 3 yea 5 year Fund Return % 0.90 5.90 8.92 6.31 6.98 7.23 0.66 5.36 8.57 6.10 6.72 8.12 Benchmark Return % 0 49 7 51 477 5 1 9 574 Category Average % \_ 13 20 19 13 7 % Rank in Category 700 680 636 560 373 # of Funds in Category Net Expense **3-Year Risk Metrics** Fund Bmark

Alpha

Beta

**R-Squared** 

Sharpe Ratio

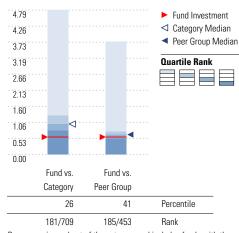
Tracking Error

Information Ratio

Up Capture Ratio

Down Capture Ratio

Standard Deviation



0		Portfolio Metrics
Group		
41	Percentile	Avg Eff Duration
5/453	Rank	Avg Eff Maturity
tegory and	d includes funds with the	
we nacci	and similar share class	

Peer group is a subset of the ca sive) and

same management style (active characteristics.

Fund Bmark Cat 1 45 3.34 7.45 4.35

0.16

1 02

99.25

9.50

0.86

0.85

0.41

103.04

101.82

Morningstar Index

ICE BofA US High Yield TR USD

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Cat

-0.59

0.97

95.71

9 1 9

0.78

2.20

-0.42

93.21

98.40

\_

9 27

0.85

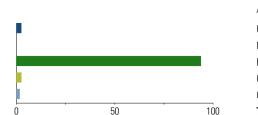
# BlackRock High Yield Bond Instl BHYIX

## Style Analysis as of 12-31-2021



Duration

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	0.66	-	1.69
AA	0.00	-	0.19
А	0.27	-	0.29
BBB	2.36	-	3.95
BB	31.98	-	35.70
В	44.10	-	37.32
Below B	17.60	-	18.19
Not Rated	3.02	-	2.67



## Sector Weighting as of 12-31-2021

Asset Allocation as of 12-31-2021

	Fund	Bmark	Cat	Fund	۰B	enchmark	Category Average
Government	0.04	_	0.95	0			
Treasury	0.00	-	0.52	0			
Inflation – Protected	0.00	-	0.00	0			
Agency/Quasi Agency	0.04	-	0.11	0			
Other Government Related	0.00	-	0.32	[			
Corporate	96.61	_	88.45				
Corporate Bond	83.30	-	83.71				
Bank Loan	11.93	-	3.14				
Convertible	1.38	-	1.45	I)			
Preferred	0.00	-	0.15	0			
Securitized	0.33	_	1.40	1			
Agency MBS Pass-Through	0.00	-	0.05	0			
Agency MBS ARM	0.00	-	0.00	[			
Agency MBS CMO	0.00	-	0.10				
Non-Agency Residential MBS	0.00	-	0.13	0			
Commercial MBS	0.00	-	0.41	0			
Asset-Backed	0.33	-	0.71	0			
Covered Bond	0.00	-	0.00	0			
Municipal	0.00	_	0.09	[			
Cash & Equivalents	2.98	_	8.00				
Other	0.04	_	1.11	1			

Ton 10 Holdings as of 12-31-2021

0% 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 9500

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
€ BlackRock Liquidity T-Fund Instl	-	2.74	2.74	_
$oldsymbol{eta}$ iShares iBoxx \$ High Yield Corp Bd ETF	_	1.84	4.58	-
€ TransDigm, Inc. 6.25%	03-2026	1.26	5.84	-
$\oplus$ SPDR $^{ m I\!B}$ BImbg Barclays High Yield Bd ETF	_	1.17	7.01	-
€ Clarios Global Lp 8.5%	05-2027	0.60	7.61	-
€ Ascent Resources Utica Holdings LI TI	11-2025	0.60	8.21	_
$oldsymbol{eta}$ iShares Broad USD High Yield Corp Bd ETF	_	0.52	8.73	-
earrow Brand Energy & Infrastructure Serv TI	06-2024	0.52	9.25	-
Altice France Holdings S A 10.5%	05-2027	0.51	9.75	-
Verscend Escrow Corp 9.75%	08-2026	0.47	10.22	-

## Total Holdings 1591

🕀 Increase  $\ominus$  Decrease 🕸 New to Portfolio

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Morningstar Category Morningstar Index High Yield Bond

ICE BofA US High Yield TR USD

Total	100.00	100.00
Other	1.53	2.10
Cash	2.37	6.77
Bonds	93.76	90.09
Non-US Stocks	0.00	0.00
US Stocks	2.35	1.04
Asset Class	Net %	Cat%

# BlackRock Inflation Protected Bond Instl BPRIX

## Portfolio Manager(s)

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

## Quantitative Screens

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

Management: The fund's management has been in place for 4.88 years.

Style Consistency is not calculated for Fixed Income funds.

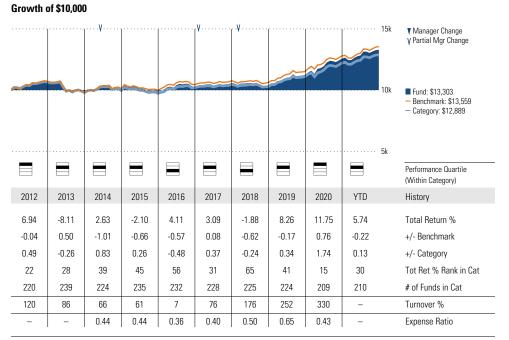
Net Expense: The fund's expense ratio of 0.44 is 27.87% lower than the Inflation-Protected Bond category average.

## **Morningstar Investment Management LLC Analysis**

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

## **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	11-30-2021

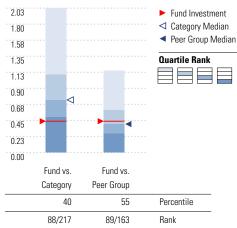


Morningstar Category

Inflation-Protected Bond

## **Trailing Performance**





Alpha -0.05 -0.07 0.90 Beta 1 02 R-Squared 96.46 76.48 Standard Deviation 4 05 3 90 4 22 Sharpe Ratio 1.85 1 90 1.65 Tracking Error 0.77 2.21 Information Ratio 0.15 -0.60 Up Capture Ratio 101.44 90.34 Down Capture Ratio 101.80 95.16 Deutfelie Metuiee

Fund

Bmark

Portuono metrics			
	Fund	Bmark	Cat
Avg Eff Duration	6.91	4.52	6.06
Avg Eff Maturity	8.72	-	7.06

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

BBgBarc US Treasury US TIPS TR USD

# BlackRock Inflation Protected Bond Instl BPRIX

## Style Analysis as of 12-31-2021



Duration

-50 0 50 100 150

Asset Allocation as of 12-31-2021

#### Asset Class Net % Cat% US Stocks 0.11 0.05 Non-US Stocks 0.00 0.00 Bonds 124.56 99.03 Cash -24.68 0.24 Other 0.00 0.67 Total 100.00 100.00

#### **Credit Rating Breakdown** Fund Bmark Cat 92.52 0.00 89.25 AAA AA 0.12 99.60 6.41 5.28 0.00 1.27 А BBB 0.78 0.00 1.83 BB 0.15 0.00 0.28 В 0.00 0.00 0.10 Below B 0.00 0.00 0.06 Not Rated 1.15 0.40 0.80

Sector Weighting as of 12-	31-2021				
	Fund	Bmark	Cat	Fund • Benchm	ark [] Category Average
Government	95.96	-	89.35		
Treasury	7.16	-	1.05	()====	
Inflation – Protected	88.80	-	84.05		
Agency/Quasi Agency	0.00	-	0.06	0	
Other Government Related	0.00	-	4.19	10	
Corporate	0.33	-	3.01	10	
Corporate Bond	0.33	-	2.75	10	
Bank Loan	0.00	-	0.17	0	
Convertible	0.00	-	0.09	0	
Preferred	0.00	-	0.00	0	
Securitized	2.11	_	4.41		
Agency MBS Pass-Through	0.00	-	0.72	0	
Agency MBS ARM	0.00	-	0.00	0	
Agency MBS CMO	0.00	-	0.36	0	
Non-Agency Residential MBS	0.00	-	0.20		
Commercial MBS	0.53	_	0.81	0	
Asset-Backed	1.58	_	2.24		
Covered Bond	0.00	_	0.08	0	
Municipal	0.00	_	0.02	0	
Cash & Equivalents	1.56	_	2.90		
Other	0.03	_	0.29	0	
				0/ E 10 1E 20 2E 20	

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

## Top 10 Holdings as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ Rrp Treasury (Cpi) Note	_	21.84	21.84	_
⊕ United States Treasury Notes 0.125%	01-2023	17.71	39.55	-
⊕ United States Treasury Notes 0.125%	10-2026	5.45	45.00	_
⊕ Rrp Treasury Note	-	4.83	49.83	-
United States Treasury Notes 0.125%	01-2030	4.05	53.88	-
$\odot$ United States Treasury Notes 0.125%	07-2031	3.59	57.47	-
⊕ United States Treasury Notes 0.375%	07-2023	3.54	61.02	-
⊖ United States Treasury Notes 0.625%	01-2024	3.45	64.47	-
⊕ United States Treasury Notes 0.375%	07-2025	3.21	67.68	-
⊕ United States Treasury Notes 0.125%	07-2030	3.17	70.85	-

## Total Holdings 201

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

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Morningstar Category Inflation-Protected Bond

Morningstar Index BBgBarc US Treasury US TIPS TR USD

# BrandywineGLOBAL Global Opp Bond IS GOBSX

Morningstar Category World Bond Morningstar Index

BBgBarc Gbl Agg Ex USD TR USD

Portfolio Manager(s) David Hoffman since 11-2006 Jack McIntyre since 02-2012 Anujeet Sareen since 01-2017 Tracy Chen since 12-2020 Brian Kloss since 12-2020

## **Quantitative Screens**

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

Management: The fund's management has been in place for 15.18 years.

Style Consistency is not calculated for Fixed Income funds.

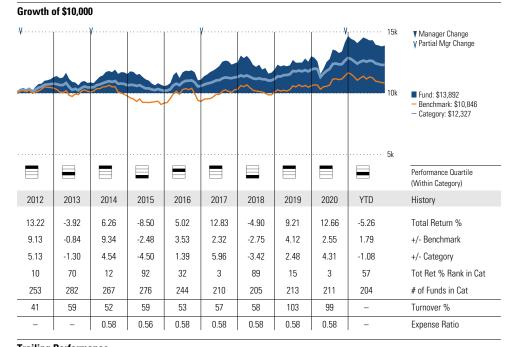
Net Expense: The fund's expense ratio of 0.59 is 33.71% lower than the World Bond category average.

## **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	11-30-2021





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.

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7.42

7.17

# BrandywineGLOBAL Global Opp Bond IS GOBSX

## Style Analysis as of 12-31-2021





0 50 100

	100.00	100.00
Other	4.85	6.66
Cash	3.00	3.07
Bonds	92.00	90.01
Non-US Stocks	0.01	0.00
US Stocks	0.15	0.26
Asset Class	Net %	Cat%

## Sector Weighting as of 12-31-2021

Asset Allocation as of 12-31-2021

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	38.73	-	32.11
AA	11.54	-	12.58
A	13.26	-	20.46
BBB	23.31	-	21.43
BB	12.97	-	6.40
В	0.20	-	2.58
Below B	0.00	-	0.83
Not Rated	-0.01	-	3.60

	Fund	Bmark	Cat	Fund
Government	37.11	-	63.28	
Treasury	35.38	-	39.16	
Inflation – Protected	0.00	-	2.46	10
Agency/Quasi Agency	1.73	-	4.66	
Other Government Related	0.00	-	17.00	
Corporate	8.96	-	18.15	
Corporate Bond	6.62	-	16.16	
Bank Loan	0.00	-	0.76	10
Convertible	2.34	-	1.21	•
Preferred	0.00	-	0.02	0
Securitized	0.63	-	7.34	
Agency MBS Pass-Through	0.00	-	3.04	
Agency MBS ARM	0.00	-	0.00	0
Agency MBS CMO	0.18	-	0.36	
Non-Agency Residential MBS	0.00	-	0.18	
Commercial MBS	0.38	-	1.43	10
Asset-Backed	0.07	-	2.07	10
Covered Bond	0.00	-	0.26	
Municipal	0.00	-	0.08	0
Cash & Equivalents	2.20	-	7.85	
Other	51.00	-	3.12	
				0% 5 10 15 20 25 30 35 40 45 50 55 60 65

## Top 10 Holdings as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
United States Treasury Notes 0.084%	01-2023	17.68	17.68	_
⊕ Usd/Eur Fwd 20211026 229	10-2021	8.10	25.78	-
⊕ Eur/Usd Fwd 20211026 229	10-2021	7.94	33.72	-
United States Treasury Notes 0.09%	10-2022	7.83	41.54	-
Usd/Krw Fwd 20211101 418	11-2021	7.42	48.97	-
⊕ Krw/Usd Fwd 20211101 418	11-2021	7.24	56.20	-
$\oplus$ The Republic of Korea 2%	06-2031	5.30	61.50	-
	11-2021	5.29	66.79	-
	11-2021	5.25	72.04	-
	11-2021	5.21	77.25	-

## Total Holdings 175

🕀 Increase  $\ominus$  Decrease 🕸 New to Portfolio

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Morningstar Category World Bond Morningstar Index BBgBarc Gbl Agg Ex USD TR USD

# Federated Hermes Govt Ultrashort IS FGUSX

## 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 10 years it's been in existence.

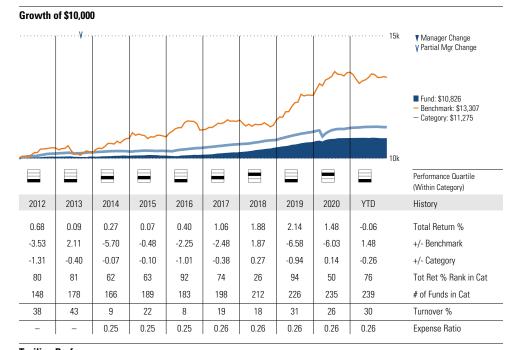
Management: The fund's management has been in place for 24.49 years.

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.26 is 40.91% lower than the Ultrashort Bond category average.

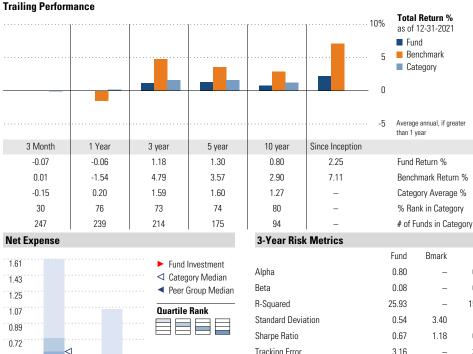
## **Morningstar Investment Management LLC Analysis**

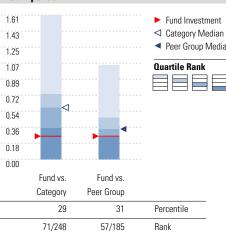
This fund fails our performance consistency screen. Its relative performance versus typical peers in the ultrashort bond category has struggled, partly due to its strict adherence to investing in government securities, which have lagged credit instruments.



**Morningstar Category** 

Ultrashort Bond





3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	0.80	-	0.69
Beta	0.08	-	0.18
R-Squared	25.93	-	15.42
Standard Deviation	0.54	3.40	1.81
Sharpe Ratio	0.67	1.18	0.41
Tracking Error	3.16	-	3.44
Information Ratio	-1.14	-	-0.99
Up Capture Ratio	14.54	-	26.44
Down Capture Ratio	-5.40	-	16.05
Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	0.40	4.43	0.59

Morningstar Index

BBgBarc US Agg Bond TR USD

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

Avg Eff Duration 0 40 Avg Eff Maturity 3.08

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2.49

# Federated Hermes Govt Ultrashort IS FGUSX

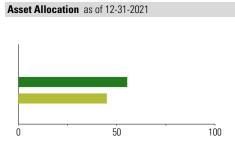
## Style Analysis as of 12-31-2021





Duration

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	100.00	3.53	42.54
AA	0.00	74.59	5.49
А	0.00	10.82	15.78
BBB	0.00	8.32	21.73
BB	0.00	0.28	1.74
В	0.00	0.00	1.81
Below B	0.00	0.00	0.46
Not Rated	0.00	2.46	10.45



Sector Weighting as of 12-31-2021

#### Asset Class Net % Cat% US Stocks 0.00 0.00 Non-US Stocks 0.00 0.00 Bonds 55.19 71.19 Cash 44.81 24.31 Other 0.00 4.50 Total 100.00 100.00

#### Benchmark [] Category Average Fund Bmark Cat Fund Government 13.74 11.14 1 3.92 6.21 П Treasurv \_ Inflation - Protected 0.00 0.04 9.82 Agency/Quasi Agency 1.36 Other Government Related 0.00 3.53 Ì. 0.00 Corporate 36.19 \_ Corporate Bond 0.00 31.49 Π Bank Loan 10 0.00 \_ 0.66 Convertible 0.00 4.04 Î. Preferred 0.00 ĺ \_ 0.00 Securitized 41.44 25.82 \_ Agency MBS Pass-Through 1.67 1.21 1 Agency MBS ARM 0.14 0.77 \_ Agency MBS CMO 39.63 3.33 Non-Agency Residential MBS 0.00 0.55 10 Commercial MBS 0.00 2.43 Ì. Asset-Backed 0 00 17.53 \_ Covered Bond 0.00 0.00 Municipal 0.00 \_ 1.11 **Cash & Equivalents** 44.81 25.04 \_ 10 Other 0.00 \_ 0.57

0% 5 10 15 20 25 30 35 40 45

## Top 10 Holdings as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
🕀 Hsbc Repo 2 Repo	01-2022	22.91	22.91	_
🕀 Novasc Repo 1 Repo	01-2022	21.25	44.15	-
Federal Home Loan Banks 0.4%	06-2024	4.19	48.35	-
⊖ Federal National Mortgage Association 0.60188%	08-2059	2.48	50.83	-
igodot Federal Home Loan Mortgage Corporation 0.55188%	09-2049	2.10	52.93	-
○ Federal National Mortgage Association 0.55188%	06-2050	2.00	54.92	_
$\odot$ Federal Home Loan Mortgage Corporation 0.55188%	01-2050	1.73	56.65	-
⊖ Government National Mortgage Association 2.26188%	03-2067	1.66	58.32	-
⊖ Government National Mortgage Association 0.82%	02-2065	1.64	59.96	_
igodot Federal Home Loan Mortgage Corporation 0.444%	08-2030	1.57	61.53	-

## Total Holdings 221

⊕ Increase ⊖ Decrease 🕸 New to Portfolio

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Morningstar Category Ultrashort Bond

BBgBarc US Agg Bond TR USD

Morningstar Index

# Invesco Oppenheimer International Gr Y OIGYX

## Portfolio Manager(s)

George Evans since 03-1996 Robert Dunphy since 03-2012

## Quantitative Screens

*Performance:* The fund has finished in the Foreign Large Growth category's top three quartiles in 7 of the 10 years it's been in existence.

Management: The fund's management has been in place for 25.79 years.

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

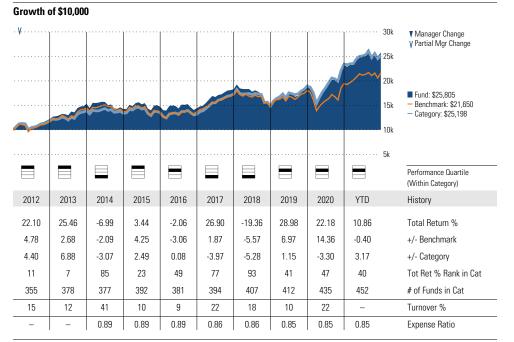
Net Expense: The fund's expense ratio of 0.88 is 16.98% lower than the Foreign Large Growth category average.

## **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	Metr	ics

Metric	Rating	Updated
Sustainability Rating	4	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021



## **Trailing Performance**



#### 3.31 Fund Investment Category Median 2.94 Peer Group Median 2.57 2.21 Quartile Rank 1.84 1.47 1.10 0.74 0.37 Fund vs Fund vs Peer Group Category 36 64 Percentile 172/473 250/391 Rank

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

**3-Year Risk Metrics** Fund Bmark Cat Alpha 6.75 7.05 0.95 0.88 Beta **R-Squared** 88.49 82.00 Standard Deviation 17 28 17 16 16 68 Sharpe Ratio 1.12 0 78 1.12 Tracking Error 5.93 7.43 Information Ratio 1.16 0.84 Up Capture Ratio 115.10 106.78 Down Capture Ratio 91.47 81.06

**Total Return %** 

as of 12-31-2021

Benchmark

Average annual, if greater than 1 year

Benchmark Return %

Category Average %

% Rank in Category

# of Funds in Category

Fund Return %

#### **Portfolio Metrics** Fund Bmark Cat Price/Earnings Ratio 35.55 16 51 25.03 Price/Book Ratio 5.25 1.86 3.67 Geom Avg Mkt Cap \$B 39.57 49 49 60.75 ROE 24.00 17.65 20.73

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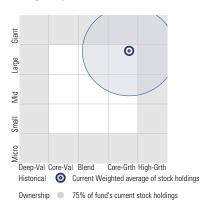


Morningstar Category Foreign Large Growth

Morningstar Index MSCI EAFE NR USD

# Invesco Oppenheimer International Gr Y OIGYX

**Style Analysis** as of 12-31-2021 Morningstar Style Box™





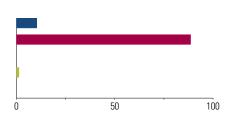


Weight %

<25

>50 25-50 10-25 0-10

## World Regions % Equity 12-31-2021



## Sector Weighting as of 12-31-2021

Asset Allocation as of 12-31-2021

		Fund	Bmark	Cat
Դ	Cyclical	26.70	38.34	32.78
æ.	Basic Materials	4.27	7.68	6.34
<b>~</b>	Consumer Cyclical	18.04	10.93	12.95
ц.	Financial Services	4.39	16.92	13.17
ŵ	Real Estate	0.00	2.81	0.32
w	Sensitive	48.62	34.95	44.72
	Communication Services	3.42	5.36	6.20
0	Energy	2.56	3.67	1.97
¢	Industrials	19.67	15.62	16.26
	Technology	22.97	10.30	20.29
	Defensive	24.68	26.70	22.50
F	Consumer Defensive	10.64	10.26	7.77
٠	Healthcare	14.04	13.18	13.85
9	Utilities	0.00	3.26	0.88

#### Asset Class Net % Cat% US Stocks 10.29 7.95 Non-US Stocks 88.54 89.04 Bonds 0.00 0.02 Cash 1.17 2.50 Other 0.00 0.49

Morningstar Category Foreign Large Growth

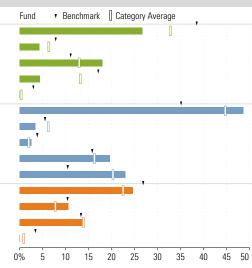
Total

Morningstar Index

MSCI EAFE NR USD

100.00

100.00



	Greater Asia	Fund % 18.89	Cat % 29.03	Americas	Fund % 15.04	Cat % 14.89	Greater Europe	Fund % 66.08	Cat % 56.08	Market Maturity	Fund %
	Japan Australasia Asia-4 Tigers Asia-ex 4 Tigers	9.43 2.43 3.01 4.02	11.96 1.33 6.95 8.79	North America Central/Latin	15.04 0.00	12.71 2.18	United Kingdom W euro-ex UK Emrgng Europe Africa	17.58 48.50 0.00 0.00	9.52 44.90 0.67 0.99	Developed Markets Emerging Markets Not Available	95.98 4.02 0.00
>75	Not Classified	0.00	0.00								

Top 10 Holdings as of 12-31-2021

25-50

50-75

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
$\ominus$ Hermes International SA	3.45	3.45	75.14	Consumer Cyclical
$\odot$ ASML Holding NV	3.22	6.68	78.48	Technology
○ EPAM Systems Inc	2.69	9.36	86.54	Technology
$\ominus$ Novo Nordisk A/S Class B	2.57	11.93	73.87	Healthcare
$\ominus$ Reliance Industries Ltd	2.43	14.36	19.60	Energy
⊖ LVMH Moet Hennessy Louis Vuitton SE	2.39	16.75	43.67	Consumer Cyclical
⊖ Epiroc Ab	2.28	19.03	-	-
$\ominus$ James Hardie Industries PLC DR	2.13	21.16	48.50	Basic Materials
$\ominus$ Taiwan Semiconductor Manufacturing Co Ltd	2.13	23.29	18.02	Technology
	2.00	25.29	23.31	Healthcare

## Total Holdings 95

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

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# PIMCO Commodity Real Return Strat I2 PCRPX

## Portfolio Manager(s)

Nicholas Johnson since 01-2015 Greg Sharenow since 11-2018 Stephen Rodosky since 01-2019

## Quantitative Screens

Performance: The fund has finished in the Commodi Broad Basket category's top three quartiles in 8 of the 1 years it's been in existence.

Management: The fund's management has been in place for 7 years.

Style Consistency is not calculated for Fixed Income fund

Net Expense: The fund's expense ratio of 0.92 is 13.21% lower than the Commodities Broad Basket categ 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 qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

## **ESG Metrics**

Metric	Rating	Upda
Sustainability Rating	2	11-30-2

Growth	Growth of \$10,000												
			y		[	¥.	¥¥		15k	▼ Manager Change γ Partial Mgr Change			
~~~	~~~	~	~~	<i>_</i> ~~	~~~	~~~			10k	<ul> <li>■ Fund: \$8,284</li> <li>─ Benchmark: \$7,489</li> <li>─ Category: \$7,843</li> </ul>			
									0k	Performance Quartile (Within Category)			
2012	2013	2014	2015	2016	2017	2018	2019	2020	YTD	History			
5.24 6.30	-14.90 -5.38	-18.13 -1.12	-25.81 -1.15	14.49 2.72	2.61 0.91	-13.88 -2.63	12.21 4.52	0.76 3.88	33.15 6.04	Total Return % +/- Benchmark			
5.86	-6.17	-0.15	-1.82	2.33	-1.05	-2.36	4.34	3.85	3.41	+/- Category			
2	89	59	68	21	61	77	11	31	28	Tot Ret % Rank in Cat			
122	156	144	172	146	139	127	131	124	114	# of Funds in Cat			
177	57	49	123	111	176	148	226	262	260	Turnover %			
-	-	0.84	0.84	0.84	0.84	1.34	1.56	1.43	0.92	Expense Ratio			



Geom Avg Mkt Cap \$B

ROE

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

> **>RNINGSTAR** MC

20.09

16.78

30 14

12.41

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Morningstar Index

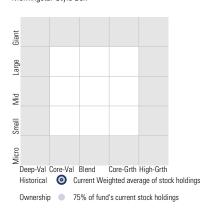
Commodities Broad Basket

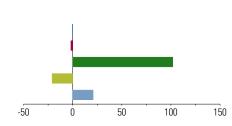
Bloomberg Commodity TR USD

											JK	V Manager Change V Partial Mgr Change
	•			~~						1 	0k k	Fund: \$8,284 — Benchmark: \$7,489 — Category: \$7,843
											k	Performance Quartile (Within Category)
	2012	2013	2014	2015	2016	2017	2018	2019	2020	YTD		History
	5.24	-14.90	-18.13	-25.81	14.49	2.61	-13.88	12.21	0.76	33.15		Total Return %
	6.30	-5.38	-1.12	-1.15	2.72	0.91	-2.63	4.52	3.88	6.04		+/- Benchmark
	5.86	-6.17	-0.15	-1.82	2.33	-1.05	-2.36	4.34	3.85	3.41		+/- Category
	2	89	59	68	21	61	77	11	31	28		Tot Ret % Rank in C
	122	156	144	172	146	139	127	131	124	114		# of Funds in Cat
	177	57	49	123	111	176	148	226	262	260		Turnover %
	-	-	0.84	0.84	0.84	0.84	1.34	1.56	1.43	0.92		Expense Ratio
Ī		Perform	ance					·			5% 30 25	Total Return % as of 12-31-2021 Fund
					·····						20 15	<ul><li>Benchmark</li><li>Category</li></ul>
-											10 5 0 -5	Average annual, if greater
											5	than 1 year
	3 N	lonth	1 Year		3 year	5 yea		10 year		nception		
	<i>c</i>	10	00.1		1 4 0 1	L F 0	7	1 07		1 1 1		Europe Distance 0/

# PIMCO Commodity Real Return Strat I2 PCRPX

Style Analysis as of 12-31-2021 Morningstar Style Box™





Total	100.00	100.00
Other	20.77	5.02
Cash	-20.89	64.46
Bonds	101.86	27.73
Non-US Stocks	-1.75	0.58
US Stocks	0.01	2.20
Asset Class	Net %	Cat%

## Sector Weighting as of 12-31-2021

Asset Allocation as of 12-31-2021

		Fund	Bmark	Cat	Fund	▼ Be	enchmark	Cateç	gory Av	verage				
Դ	Cyclical	-	-	30.70					0					
ŵ.	Basic Materials	-	-	28.95					0					
4	Consumer Cyclical	-	-	1.75	0									
, p	Financial Services	-	-	0.00	0									
ŵ	Real Estate	-	-	0.00	Ū į									
w,	Sensitive	-	-	52.63										
	Communication Services	-	-	0.00	0									
0	Energy	-	-	50.00									0	
₽	Industrials	-	-	2.63	0									
	Technology	-	-	0.00										
<b>→</b>	Defensive	-	_	16.67										
2	Consumer Defensive	-	-	16.67			0							
٠	Healthcare	-	-	0.00	Ó									
<b>?</b>	Utilities	-	-	0.00	Í.									
					0% 5	10	15 2	0 25	30	35	40	45	50	55

## Style Breakdown



## Weight %

>50 25-50 10-25 0-10

## Top 15 Holdings as of 12-31-2021

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
€ Pimco Cayman Cmdty Fd Ltd Instl	19.96	19.96	_	_
eq Euro Schatz Future Dec 21	17.46	37.42	_	-
€ 5 Year Treasury Note Future Dec 21	16.15	53.57	_	-
森 Cash Offset	13.40	66.97	_	-
$\oplus$ United States Treasury Notes 0.125%	13.36	80.33	-	-
🕀 2 Year Treasury Note Future Dec 21	10.05	90.38	-	-
$\ominus$ EUROPEAN MONETARY UNION EURO Purchased	8.23	98.62	_	-
$\ominus$ EUROPEAN MONETARY UNION EURO Sold	8.23	106.85	_	-
United States Treasury Notes 0.125%	8.20	115.05	_	-
$\oplus$ United States Treasury Notes 0.125%	7.81	122.86	-	-
⊕ United States Treasury Notes 0.625%	7.78	130.64	_	-
⊖ U S TIPS REV REPO	7.50	138.14	-	_
⊖ U S TIPS REV REPO	7.08	145.22	-	_
United States Treasury Notes 0.125%	6.35	151.57	-	_
⊖ U S TIPS REV REPO	5.83	157.39	_	-

## Total Holdings 768

🕀 Increase 👄 Decrease 🕸 New to Portfolio

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**Morningstar Category Morningstar Index** 

Commodities Broad Basket Bloomberg Commodity TR USD

# PIMCO Income I2 PONPX

## 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.

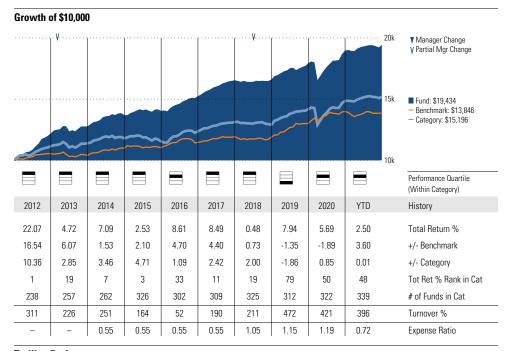
Management: The fund's management has been in place for 14.77 years.

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.72 is 27.27% 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.





	140/35/	160/233	Rank				
Peer grou	up is a subset of th	e category and ir	cludes funds with the				
same management style (active vs. passive) and similar share class							
character	ristics.						

Percentile

69

Fund Bmark Cat Avg Eff Duration 174 4 55 3.70 Avg Eff Maturity 2.61 7.69 5.65

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39



**Morningstar Category** Morningstar Index Multisector Bond

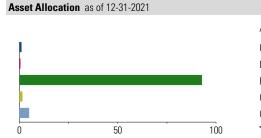
BBgBarc US Universal TR USD

# PIMCO Income I2 PONPX

## Style Analysis as of 12-31-2021 Style Breakdown



Credit Rating Breakdown	Fund	Bmark	Cat
AAA	56.00	67.64	21.31
AA	7.00	3.23	3.72
A	4.00	10.03	6.97
BBB	14.00	10.89	21.79
BB	6.00	3.19	19.68
В	7.00	3.64	14.96
Below B	6.00	1.38	5.48
Not Rated	0.00	0.00	6.08



#### Asset Class Cat% Net % US Stocks 0.90 1.82 Non-US Stocks 0.08 0.31 Bonds 92.67 94.74 Cash 1.34 -0.99 Other 4.77 4.37 Total 100.00 100.00

Morningstar Index

BBgBarc US Universal TR USD

Morningstar Category Multisector Bond

## Sector Weighting as of 12-31-2021

	Fund	Bmark	Cat	Fund 🔹 Benchmark 🛛 Category Average
Government	53.76	-	13.99	]
Treasury	4.33	-	10.15	
Inflation – Protected	1.99	-	0.39	
Agency/Quasi Agency	0.60	-	1.15	
Other Government Related	46.84	-	2.30	
Corporate	8.93	-	41.61	
Corporate Bond	6.08	-	34.12	
Bank Loan	1.12	-	3.97	
Convertible	1.45	-	2.83	
Preferred	0.28	-	0.69	l l
Securitized	18.80	-	26.46	
Agency MBS Pass-Through	6.13	_	6.90	
Agency MBS ARM	0.00	_	0.00	Î.
Agency MBS CMO	0.41	_	1.64	<b>ID</b>
Non-Agency Residential MBS	3.71	-	1.86	
Commercial MBS	0.22	-	4.16	1 0
Asset-Backed	8.33	-	11.88	
Covered Bond	0.00	-	0.02	0
Municipal	0.06	-	0.40	0
Cash & Equivalents	2.73	-	8.86	
Other	13.19	-	8.46	

## Top 10 Holdings as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊖ Irs Eur -0.33000 03/18/20-2Y Lch Receive	03-2022	13.29	13.29	_
⊖ Irs Eur -0.33000 03/18/20-2Y Lch Pay	03-2022	13.28	26.57	-
$\odot$ 10 Year Treasury Note Future Dec 21	12-2021	11.86	38.43	-
E ZCS BRL 4.9 05/13/21-01/03/22 CME Pay	01-2022	8.45	46.88	-
⊕ ZCS BRL 4.9 05/13/21-01/03/22 CME Receive	01-2022	8.42	55.30	-
$\odot$ BRITISH POUND STERLING Sold	11-2021	7.99	63.29	_
⊖ BRITISH POUND STERLING Purchased	11-2021	7.99	71.28	-
⊕ IRS USD 0.50000 06/16/21-5Y CME Pay	06-2026	7.12	78.40	-
⊖ IRS USD 0.70000 12/14/21-3Y LCH Pay	12-2024	7.06	85.46	-
⊖ IRS USD 0.80000 12/14/21-3Y LCH Receive	12-2024	7.05	92.51	-

## Total Holdings 7951

🕀 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 5.68 years.

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

Net Expense: The fund's expense ratio of 0.04 is 95.06% lower than the Large Blend category average.

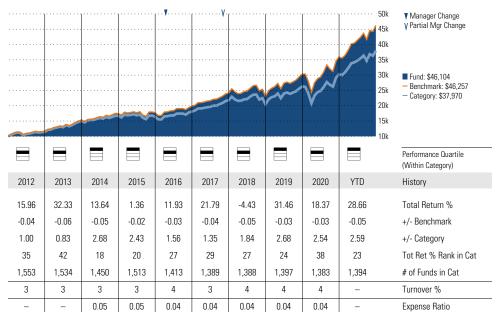
## **Morningstar Investment Management LLC Analysis**

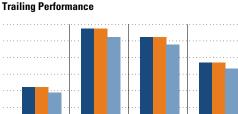
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

## ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021







1 Year

28.66

28.71

26 07

23

1.394



Fund Investment Category Median

Quartile Rank

Percentile

Rank

Peer Group Median

## **3-Year Risk Metrics**

Fund	Bmark	Cat
-0.03	-	-1.70
1.00	-	0.97
100.00	-	95.10
17.42	17.41	17.41
1.38	1.38	1.25
0.01	-	3.76
-3.26	-	-1.29
99.96	-	93.94
100.07	-	100.53
	-0.03 1.00 100.00 17.42 1.38 0.01 -3.26 99.96	-0.03 - 1.00 - 100.00 - 17.42 17.41 1.38 1.38 0.01 - -3.26 - 99.96 -

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	25.16	25.15	25.73
Price/Book Ratio	4.60	4.59	5.74
Geom Avg Mkt Cap \$B	230.90	230.65	305.14
ROE	32.76	32.75	38.00

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

22

Fund vs

103/472

Peer Group

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Fund vs Category

46/1490

3

3 Month

11.02

11.03

947

25

1.462

Net Expense

4.87

4.33

3.79 3.25

2.71 2.16 1.62 1.08 0.54 



Morningstar Index

S&P 500 TR USD

**Total Return %** 

as of 12-31-2021

Average annual, if greater than 1 year

Benchmark Return %

Category Average %

% Rank in Category

# of Funds in Category

Fund Return %

Fund Benchmark

Category

30%

5

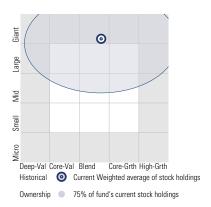
Λ

Large Blend

Morningstar Category

# Vanguard 500 Index Admiral VFIAX

Style Analysis as of 12-31-2021 Morningstar Style Box™







## Weight %

>50 25-50 10-25 0-10

## Top 15 Holdings as of 12-31-2021

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
$\ominus$ Apple Inc	6.83	6.83	34.48	Technology
∋ Microsoft Corp	6.23	13.06	52.24	Technology
$\ni$ Amazon.com Inc	3.59	16.65	2.38	Consumer Cyclical
$\ni$ Alphabet Inc Class A	2.15	18.80	65.30	Communication Svc
∋ Tesla Inc	2.12	20.92	49.76	Consumer Cyclical
⊖ Alphabet Inc Class C	2.00	22.92	65.17	Communication Svc
$\ni$ Meta Platforms Inc Class A	1.96	24.88	23.13	Communication Svc
$\ni$ NVIDIA Corp	1.81	26.70	125.41	Technology
$\ni$ Berkshire Hathaway Inc Class B	1.35	28.05	28.95	Financial Services
$\ominus$ UnitedHealth Group Inc	1.17	29.22	44.79	Healthcare
∋ JPMorgan Chase & Co	1.15	30.37	27.53	Financial Services
∋ Johnson & Johnson	1.11	31.48	11.36	Healthcare
$\ni$ The Home Depot Inc	1.08	32.57	58.73	Consumer Cyclical
igodolog Procter & Gamble Co	0.98	33.54	20.01	Consumer Defensive
$\ominus$ Visa Inc Class A	0.89	34.43	-0.31	Financial Services

Asset Allocation as of 12-31-2021

Sector Weighting as of 12-31-2021

0

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Energy

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F

Utilities

Cyclical

Basic Materials

Consumer Cyclical

Financial Services

**Communication Services** 

Real Estate

Sensitive

Industrials

Technology

Defensive

Healthcare

Consumer Defensive

50

Fund

30.22

2.27

12.30

12.88

2.77

47.62

10.16

2.67

8.14

26.65

22.16

6.30

13.38

2.48

Bmark

30.24

2.27

12.29

12 91

2.77

47.59

10.16

2.67

8.13

26.63

22.18

6.30

13.38

2.50

100

Cat

30.60

2.74

11.31

14 10

2.45

46.81

9.79

2.39

9.86

24.77

22.60

6.60

13.78

2.22

## Total Holdings 510

🕀 Increase 👄 Decrease 🕸 New to Portfolio

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

📕 Large Blend

Asset Class	Net %	Cat%
US Stocks	98.51	94.69
Non-US Stocks	1.02	2.90
Bonds	0.00	0.81
Cash	0.47	0.14
Other	0.00	1.47
Total	100.00	100.00

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

# 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 8.86 years.

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

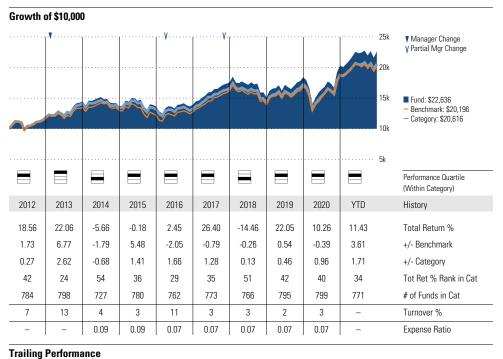
Net Expense: The fund's expense ratio of 0.07 is 92.55% lower than the Foreign Large Blend category average.

## 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.

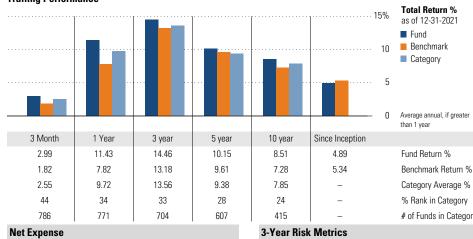
## **ESG Metrics**

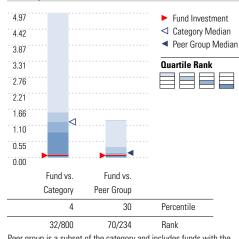
Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	2	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021



**Morningstar Category** 

Foreign Large Blend





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

% Rank in Category # of Funds in Category Fund Bmark Cat Alpha 0.81 0.94 1 00 Beta 1.03 96.86 **R-Squared** 94.25 Standard Deviation 17 89 17 03 17 48 Sharpe Ratio 0.80 0 76 0.80 Tracking Error 3.22 4.25 Information Ratio 0.40 0.25 Up Capture Ratio 104.35 101.95 Down Capture Ratio 100.77 98.67

Portfolio Metrics					
	Fund	Bmark	Cat		
Price/Earnings Ratio	15.59	15.08	16.26		
Price/Book Ratio	1.74	1.88	1.95		
Geom Avg Mkt Cap \$B	31.48	47.47	56.01		
ROE	16.71	17.76	18.41		

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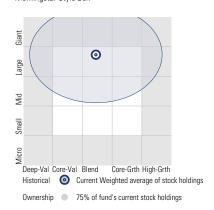


Morningstar Index

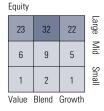
MSCI ACWI Ex USA NR USD

# Vanguard Developed Markets Index Admiral VTMGX

Style Analysis as of 12-31-2021 Morningstar Style Box™





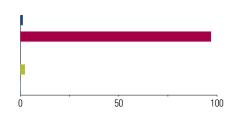


Weight %

<25

>50 25-50 10-25 0-10

## World Regions % Equity 12-31-2021

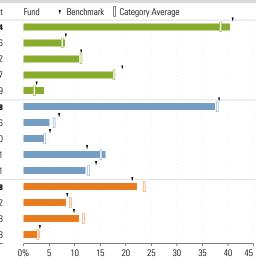


## Sector Weighting as of 12-31-2021

Asset Allocation as of 12-31-2021

		Fund	Bmark	Cat
Դ	Cyclical	40.39	40.77	38.54
<b>.</b> #.	Basic Materials	8.04	8.11	7.56
	Consumer Cyclical	10.82	11.11	11.22
ц.	Financial Services	17.61	19.16	17.67
ŵ	Real Estate	3.92	2.39	2.09
V <sup>ar</sup>	Sensitive	37.42	38.11	37.88
đ	Communication Services	5.06	6.80	5.96
0	Energy	4.24	5.01	4.10
¢	Industrials	16.05	12.27	15.11
	Technology	12.07	14.03	12.71
-	Defensive	22.20	21.12	23.58
E	Consumer Defensive	8.26	8.39	9.12
٠	Healthcare	10.81	9.70	11.68
9	Utilities	3.13	3.03	2.78

Asset Class	Net %	Cat%
US Stocks	1.04	2.90
Non-US Stocks	96.83	95.06
Bonds	0.00	0.37
Cash	2.09	0.99
Other	0.04	0.66
Total	100.00	100.00



Greater Asia	Fund % 35.47	Cat % 35.68	Americas	Fund % 10.54	Cat % 8.02	Greater Europe	Fund % 53.99	Cat % 56.30	Market Maturity	Fund %
Japan	20.42	19.04	North America	10.43	7.05	United Kingdom	12.03	12.54	Developed Markets	99.21
Australasia	6.60	4.55	Central/Latin	0.11	0.97	W euro-ex UK	40.95	42.20	Emerging Markets	0.79
Asia-4 Tigers	8.14	6.95				Emrgng Europe	0.36	0.63	Not Available	0.00
Asia-ex 4 Tigers	0.31	5.14				Africa	0.65	0.93		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 12-31-2021

25-50

50-75

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
ightarrow Nestle SA	1.58	1.58	23.95	Consumer Defensive
∋ Slcmt1142	1.44	3.03	-	-
$\ni$ ASML Holding NV	1.29	4.31	78.48	Technology
$\oplus$ Samsung Electronics Co Ltd	1.25	5.56	-	Technology
	1.16	6.72	24.60	Healthcare
🕀 Toyota Motor Corp	0.94	7.66	34.86	Consumer Cyclical
$\oplus$ LVMH Moet Hennessy Louis Vuitton SE	0.85	8.51	43.67	Consumer Cyclical
$\ni$ Novartis AG	0.75	9.26	-1.70	Healthcare
🕀 AstraZeneca PLC	0.75	10.01	21.25	Healthcare
€ Novo Nordisk A/S Class B	0.74	10.74	73.87	Healthcare

## Total Holdings 4127

🕀 Increase  $\ominus$  Decrease 🕸 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 27.02 years.

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

Net Expense: The fund's expense ratio of 0.05 is 94.9% lower than the Large Growth category average.

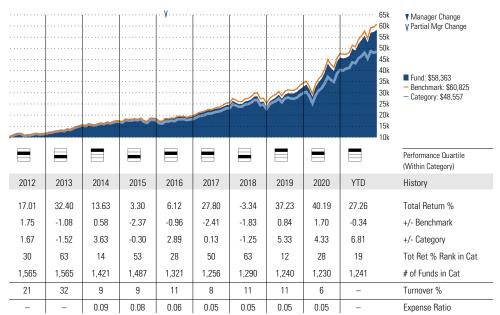
## **Morningstar Investment Management LLC Analysis**

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
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	4	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021



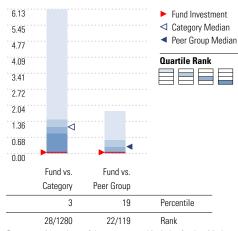


Morningstar Category

Large Growth







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	-	% Rank in Category				
772	-	# of Funds in Category		gory		
3-Year Risk	Metrics					
		Fund	Bmark	Cat		
Alpha		0.45	-	-2.24		
Beta		1.00	-	0.97		
R-Squared		99.62	-	91.07		
Standard Deviation		18.52	18.42	18.79		
Sharpe Ratio		1.67	1.65	1.46		
Tracking Error		1.14	-	5.52		
Information Ra	tio	0.62	-	-0.92		
Up Capture Ratio		100.53	-	90.02		
Down Capture Ratio		97.85	-	93.02		
Dortfolio M	otrioc					

Formono metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	36.67	34.55	33.66
Price/Book Ratio	10.87	12.90	9.38
Geom Avg Mkt Cap \$B	373.48	350.68	382.58
ROE	37.68	41.42	32.76

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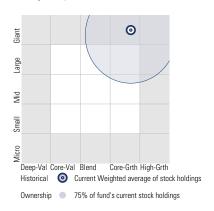


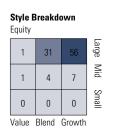
Morningstar Index

Russell 1000 Growth TR USD

# Vanguard Growth Index Admiral VIGAX

**Style Analysis** as of 12-31-2021 Morningstar Style Box™





## Weight %

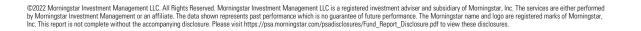
>50 25-50 10-25 0-10

## Top 15 Holdings as of 12-31-2021

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
€ Apple Inc	11.71	11.71	34.48	Technology
D Microsoft Corp	10.68	22.38	52.24	Technology
€ Amazon.com Inc	6.08	28.46	2.38	Consumer Cyclical
Đ Alphabet Inc Class A	3.69	32.15	65.30	Communication Svc
$oldsymbol{ heta}$ Tesla Inc	3.59	35.74	49.76	Consumer Cyclical
🕀 Meta Platforms Inc Class A	3.37	39.11	23.13	Communication Svc
€ Alphabet Inc Class C	3.30	42.41	65.17	Communication Svc
• NVIDIA Corp	2.95	45.37	125.41	Technology
ightarrow The Home Depot Inc	1.83	47.20	58.73	Consumer Cyclical
⇒ Visa Inc Class A	1.48	48.68	-0.31	Financial Services
€ Mastercard Inc Class A	1.33	50.01	1.16	Financial Services
$oldsymbol{eta}$ The Walt Disney Co	1.19	51.20	-14.51	Communication Svc
Accenture PLC Class A	1.15	52.35	60.09	Technology
➔ Adobe Inc	1.14	53.49	13.38	Technology
🕀 Thermo Fisher Scientific Inc	1.11	54.61	43.48	Healthcare

## Total Holdings 282

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



0 50 100

Bmark

27.10

1.01

18.10

6 18

1.81

59.94

11.76

0.30

5.97

41.91

12.96

4.29

8.64

0.03

Fund

28.56

1.69

18.81

5.65

2.41

61.37

14.95

0.27

4.13

42 02

10.08

2.29

7.79

0.00

Asset Allocation as of 12-31-2021

Sector Weighting as of 12-31-2021

Basic Materials

Consumer Cyclical

Financial Services

**Communication Services** 

Real Estate

Sensitive

Industrials

Technology

Defensive

Healthcare

**Consumer Defensive** 

€ Cyclical

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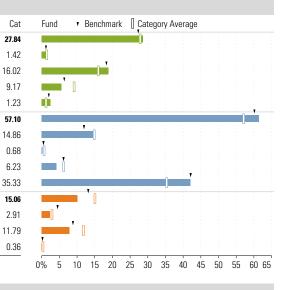
Energy

¢

F

Utilities

#### Asset Class Net % Cat% US Stocks 98.76 92.88 Non-US Stocks 0.90 5.04 Bonds 0.00 0.00 Cash 0.34 1.24 0.00 Other 0.84 Total 100.00 100.00





Morningstar Category Morning

rowth Russ

Large Growth

**Morningstar Index** Russell 1000 Growth TR USD

# Vanguard Interm-Term Bond Index Adm VBILX

## Portfolio Manager(s)

Joshua Barrickman since 04-2008

## Quantitative Screens

Performance: The fund has finished in the Intermediate Core Bond category's top three quartiles in 8 of the 10 years it's been in existence.

Management: The fund's management has been in place for 13.69 years.

Style Consistency is not calculated for Fixed Income funds.

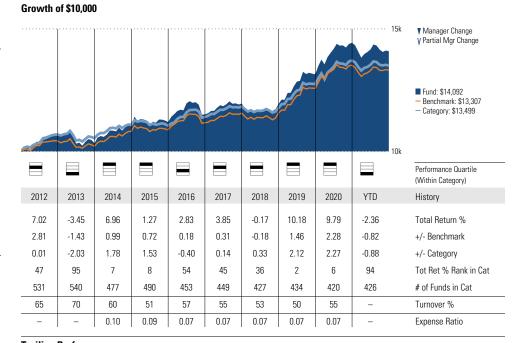
Net Expense: The fund's expense ratio of 0.07 is 88.14% lower than the Intermediate Core Bond category average.

## **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
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021

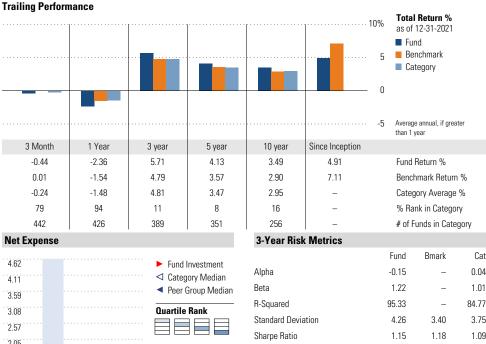


Morningstar Category

Intermediate Core Bond

Morningstar Index

BBgBarc US Agg Bond TR USD



## 4.62 4.11 3.59 3.08 2.57 2.05 1.54 1.03 0.51 0.00 Fund vs. Fund vs. Category Peer Group 8 45 Percentile 36/447 55/124 Rank

3 75 1.09 Tracking Error 1.19 1.45 Information Ratio 0.77 -0.09 Up Capture Ratio 126.14 104.26 Down Capture Ratio 139.91 109.91 **Portfolio Metrics** Fund Bmark Cat

6 62

7.30

Avg Eff Duration

Maturity

36/447	55/124	Rank	Ava Eff
p is a subset of	the category an	d includes funds with the	/ Wg Ell
nagement style (	active vs. passi	ve) and similar share class	
istics			

characteristics.



4 43

6.27

7.77

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Peer group same mar

# Vanguard Interm-Term Bond Index Adm VBILX

## Style Analysis as of 12-31-2021





Duration

0	50	100

Asset Allocation as of 12-31-2021

## Sector Weighting as of 12-31-2021

Asset Class	Net %	
US Stocks	0.00	
Non-US Stocks	0.00	
Bonds	98.51	ç

Total	100.00	100.00
Other	1.36	2.20
Cash	0.13	1.97
Bonds	98.51	95.78
Non-US Stocks	0.00	0.00
US Stocks	0.00	0.05
LIC Cteales	0.00	0

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	57.35	3.53	46.66
AA	2.84	74.59	11.82
А	16.46	10.82	22.68
BBB	23.27	8.32	15.84
BB	0.00	0.28	1.55
В	0.00	0.00	0.51
Below B	0.03	0.00	0.23
Not Rated	0.05	2.46	0.72

	Fund	Bmark	Cat	Fund	۲	Benchi	mark	] Ca	tegor	y Aver	age		
Government	59.26	-	30.55						]			-	
Treasury	55.37	-	24.84							-			
Inflation – Protected	0.00	-	1.50	[]									
Agency/Quasi Agency	2.23	-	1.23										
Other Government Related	1.66	-	2.98										
Corporate	40.09	-	26.86										
Corporate Bond	38.70	-	25.66			-	-	]					
Bank Loan	0.00	-	0.06	0									
Convertible	1.39	-	1.11										
Preferred	0.00	-	0.03	0									
Securitized	0.16	-	32.19						[				
Agency MBS Pass-Through	0.00	-	21.27				0						
Agency MBS ARM	0.00	-	0.05	0									
Agency MBS CMO	0.00	-	3.75										
Non-Agency Residential MBS	0.00	-	0.24	0									
Commercial MBS	0.00	-	1.28										
Asset-Backed	0.16	-	5.60	1									
Covered Bond	0.00	-	0.00	0									
Municipal	0.37	_	0.84	I]									
Cash & Equivalents	0.13	-	7.18		0								
Other	0.00	-	2.41										

## Top 10 Holdings as of 12-31-2021

Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
_	2.45	2.45	-
-	2.42	4.88	-
-	2.30	7.18	-
-	2.27	9.46	-
-	1.98	11.43	-
_	1.88	13.31	-
-	1.78	15.09	-
-	1.77	16.86	-
-	1.73	18.59	-
-	1.65	20.25	-
	, _ _ _ _ _ _ _ _ _ _ _ _ _ _ _	- 2.45 - 2.42 - 2.30 - 2.27 - 1.98 - 1.88 - 1.78 - 1.77 - 1.73	- 2.45 2.45 - 2.42 4.88 - 2.30 7.18 - 2.27 9.46 - 1.98 11.43 - 1.88 13.31 - 1.78 15.09 - 1.77 16.86 - 1.73 18.59

## Total Holdings 2140

🕀 Increase  $\ominus$  Decrease 🕸 New to Portfolio

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Morningstar Category Intermediate Core Bond

Morningstar Index BBgBarc US Agg Bond TR USD

Cat%

Portfolio Manager(s)

Michael Fry since 05-2010

Shirley Woo since 10-2020

Quantitative Screens

been in existence.

place for 11.6 years.

years.

ESG Metrics

Sustainability Rating

Carbon Risk Score

Metric

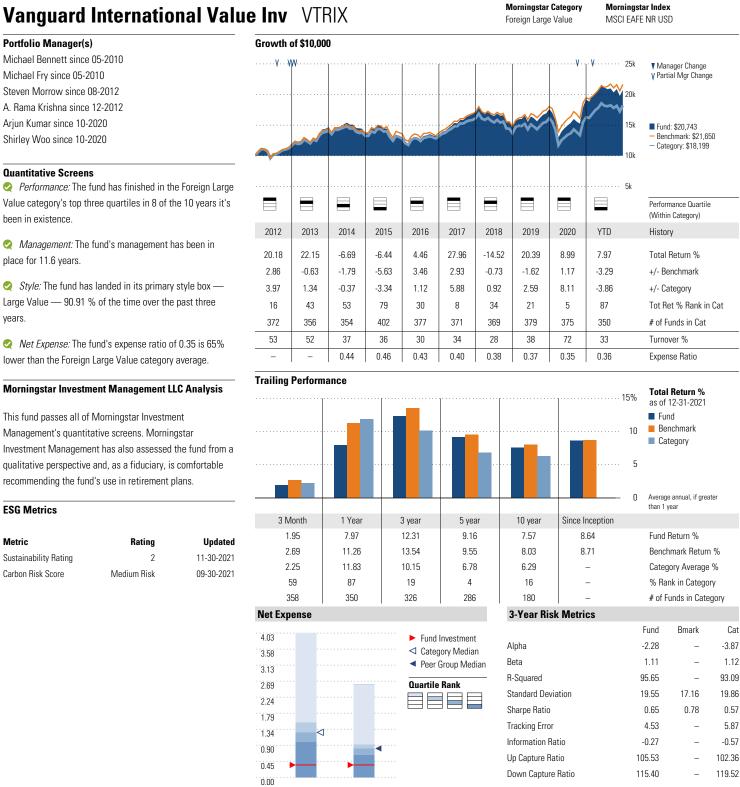
Michael Bennett since 05-2010

Steven Morrow since 08-2012

A. Rama Krishna since 12-2012 Arjun Kumar since 10-2020

# Vanguard International Value Inv VTRIX

**Morningstar Category** 



Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	15.19	16.51	11.67
Price/Book Ratio	1.61	1.86	1.32
Geom Avg Mkt Cap \$B	32.77	49.49	38.66
ROE	13.24	17.65	13.86

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

22/282

8

Percentile

Rank

Fund vs Peer Group

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Fund vs

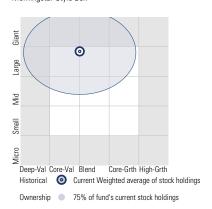
Category 7

25/360



# Vanguard International Value Inv VTRIX

Style Analysis as of 12-31-2021 Morningstar Style Box™







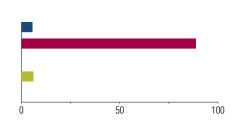
Weight %

<25

>50 25-50 10-25 0-10

## World Regions % Equity 12-31-2021

25-50

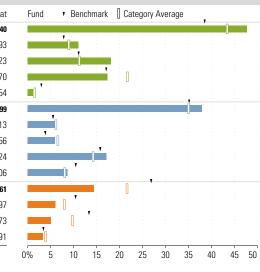


## Sector Weighting as of 12-31-2021

Asset Allocation as of 12-31-2021

		Fund	Bmark	Cat
Դ	Cyclical	47.64	38.34	43.40
<i>.</i>	Basic Materials	11.07	7.68	8.93
A	Consumer Cyclical	18.07	10.93	11.23
цф	Financial Services	17.34	16.92	21.70
ŵ	Real Estate	1.16	2.81	1.54
w	Sensitive	37.93	34.95	34.99
g	Communication Services	6.24	5.36	6.13
0	Energy	5.92	3.67	6.56
¢	Industrials	17.10	15.62	14.24
	Technology	8.67	10.30	8.06
-	Defensive	14.43	26.70	21.61
F	Consumer Defensive	6.08	10.26	7.97
٠	Healthcare	5.02	13.18	9.73
Ç	Utilities	3.33	3.26	3.91

Asset Class Net % Cat% US Stocks 5.47 2.59 Non-US Stocks 88.61 94.95 Bonds 0.00 0.26 Cash 5.93 1.98 Other 0.00 0.22 Total 100.00 100.00



2	Greater Asia	Fund % 35.90	Cat % 30.16	Americas	Fund % 11.26	Cat % 8.50	Greater Europe	Fund % 52.83	Cat % 61.33	Market Maturity	Fund %
	Japan	10.34	17.30	North America	7.77	7.25	United Kingdom	17.85	18.17	Developed Markets	82.09
	Australasia	1.21	2.67	Central/Latin	3.49	1.25	W euro-ex UK	33.69	42.17	Emerging Markets	17.91
	Asia-4 Tigers	11.15	7.26				Emrgng Europe	0.24	0.47	Not Available	0.00
	Asia-ex 4 Tigers	13.20	2.93				Africa	1.05	0.52		
	Not Classified	0.00	0.00								

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Mktlig 12/31/2049	5.48	5.48	_	_
€ Alibaba Group Holding Ltd Ordinary Shares	1.37	6.85	-49.83	Consumer Cyclical
€ Compass Group PLC	1.32	8.17	21.13	Consumer Cyclical
➔ Novartis AG	1.23	9.40	-1.70	Healthcare
€ SK Hynix Inc	1.18	10.58	-	Technology
€ RELX PLC	1.15	11.73	36.66	Communication Svc
$\ominus$ Compagnie Financiere Richemont SA	1.14	12.87	72.64	Consumer Cyclical
$\oplus$ Holcim Ltd	1.10	13.97	-0.23	Basic Materials
$\oplus$ HSBC Holdings PLC	1.08	15.06	22.62	Financial Services
$\ominus$ Samsung Electronics Co Ltd	1.08	16.14	-	Technology

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

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Morningstar Index **Morningstar Category** Foreign Large Value

MSCI EAFE NR USD

# Vanguard LifeStrategy Cnsrv Gr Inv VSCGX

## Portfolio Manager(s)

Management Team since 09-1994

## Quantitative Screens

*Performance:* The fund has finished in the Allocation- 30% to 50% Equity 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 27.27 years.

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

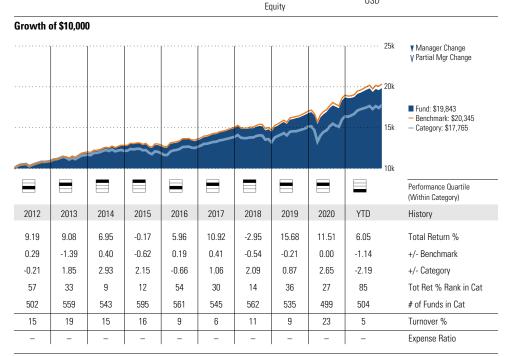
Net Expense: The fund's expense ratio of 0.12 is 87.63% lower than the Allocation--30% to 50% Equity category average.

## **Morningstar Investment Management LLC Analysis**

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

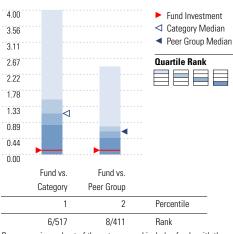
## **ESG Metrics**

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021



Morningstar Category Allocation--30% to 50%





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

Benchmark Return % Category Average % % Rank in Category # of Funds in Category **3-Year Risk Metrics** Fund Bmark Cat Alpha -0.52 -2.54 Beta 1.01 1.19 **R**-Squared 99 20 92 13 \_ Standard Deviation 7.36 7.46 9.15 Sharpe Ratio 1.33 1 40 1.10 Tracking Error 0 67 3.09 Information Ratio -0 69 -0.30 Up Capture Ratio 97.66 105.92 Down Capture Ratio 100.75 128.67 **Portfolio Metrics** Fund Bmark Cat

.21 20.8	1 21.38
.74 3.1	2 3.36
.35 6.3	6 5.15
	.74 3.1

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Morningstar Index

Morningstar US Mod Con Tgt Alloc NR USD

**Total Return %** 

as of 12-31-2021 Fund

Benchmark

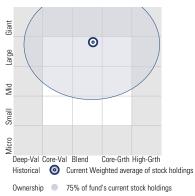
Average annual, if greater than 1 year

Fund Return %

Category

# Vanguard LifeStrategy Cnsrv Gr Inv VSCGX

## Style Analysis as of 12-31-2021 Morningstar Style Box™





Asset Allocation as of 12-31-2021

#### Cat Fund Bmark Դ Cyclical 35.55 34.06 35.55 â. **Basic Materials** 4.62 4.05 3.52 A 12.09 **Consumer Cyclical** 12.33 10.44 ц. **Financial Services** 14.97 14.26 14.76 ŵ Real Estate 3.63 6.83 3 66 Sensitive 44.03 44.60 41.60 w, 8.35 **Communication Services** 8 4 1 8.56 Energy 3.50 3.14 3.91 Ф Industrials 10.61 10.36 9.33 Technology 21.57 22.69 19.80 -Defensive 20.43 21.35 22.86 6.29 Consumer Defensive 6.46 6.42 ٠ Healthcare 11.55 12.26 12.94 Utilities 2.59 2.63 3.50

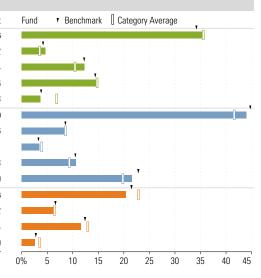
Total		100.00	100.00
Other		0.56	5.03
Cash		2.96	6.46
Bonds		56.96	51.93
Non-US Stocks		15.47	7.43
US Stocks		24.04	29.16
Asset Class		Net %	Cat%
Equity	USD		

**Morningstar Index** 

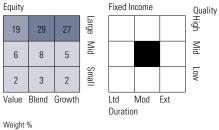
Morningstar US Mod Con Tgt Alloc NR

Morningstar Category Allocation--30% to 50%

100



## Style Breakdown



>50 25-50 10-25 0-10

## Top 7 Holdings as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
$\oplus$ Vanguard Total Bond Market II ldx Inv	-	41.18	41.18	_	_
$igodoldsymbol{ imes}$ Vanguard Total Stock Mkt Idx Inv	-	24.28	65.47	_	-
$\oplus$ Vanguard Total Intl Stock Index Inv	-	15.85	81.32	_	-
$\oplus$ Vanguard Total Intl Bd Idx Investor	-	15.81	97.13	_	-
$\oplus$ Vanguard Total Intl Bd II Idx Investor	-	1.74	98.87	-	_
⊖ Mktliq 12/31/2049	-	1.13	100.00	-	-
$\oplus$ Us Dollar	_	0.00	100.00	-	-

## Total Holdings 7

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



# Vanguard LifeStrategy Growth Inv VASGX

## Portfolio Manager(s)

Management Team since 09-1994

## Quantitative Screens

Performance: The fund has finished in the Allocation--70% to 85% 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 27.27 years.

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

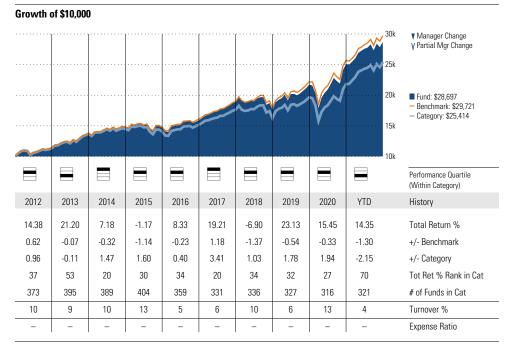
Net Expense: The fund's expense ratio of 0.14 is 86.54% lower than the Allocation--70% to 85% Equity category average.

## **Morningstar Investment Management LLC Analysis**

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

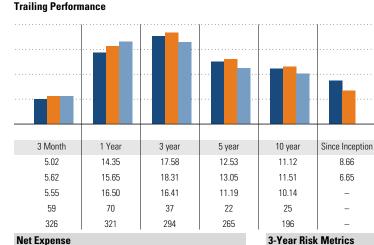
## **ESG Metrics**

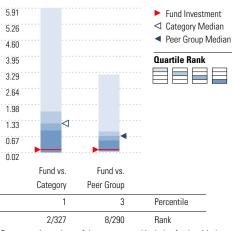
Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021



Morningstar Category Allocation--70% to 85%

Equity





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

% Rank in Category # of Funds in Category **3-Year Risk Metrics** Fund Bmark Cat Alnha -1.02 -2.09 Beta 1.03 1.04 **R**-Squared 99 49 95 40 \_ Standard Deviation 14.06 13.68 14.56 Sharpe Ratio 1.17 1 2 4 1.08 Tracking Error 1.06 3 17 Information Ratio -0 69 -0.54 Up Capture Ratio 99.55 98.03 Down Capture Ratio 104.31 108.81 **Portfolio Metrics** 

	Fund	Bmark	Cat
Price/Earnings Ratio	19.25	20.56	21.45
Price/Book Ratio	2.74	3.07	3.36
Avg Eff Duration	7.35	6.36	5.14

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Morningstar Index

Morningstar US Mod Agg Tgt Alloc NR USD

**Total Return %** 

as of 12-31-2021 Fund

Benchmark
 Category

Average annual, if greater than 1 year

Category Average %

Fund Return % Benchmark Return %

20%

15

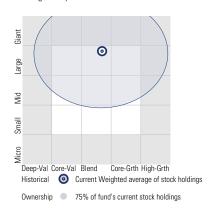
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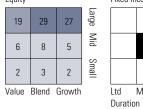
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# Vanguard LifeStrategy Growth Inv VASGX

## **Style Analysis** as of 12-31-2021 Morningstar Style Box™







# Fixed Income Quality High Mid Ltd Mod Ext Duration

Weight %

>50 25-50 10-25 0-10

## Top 7 Holdings as of 12-31-2021

		,
Π		50

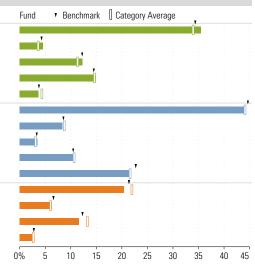
## Sector Weighting as of 12-31-2021

Asset Allocation as of 12-31-2021

		Fund	Bmark	Cat
Դ	Cyclical	35.50	34.22	33.95
æ.	Basic Materials	4.58	4.14	3.62
<b>A</b>	Consumer Cyclical	12.33	12.09	11.33
цф	Financial Services	14.95	14.36	14.65
ŵ	Real Estate	3.64	3.63	4.35
₩.	Sensitive	44.05	44.53	44.10
	Communication Services	8.35	8.42	8.72
•	Energy	3.49	3.20	3.12
Ф	Industrials	10.59	10.33	10.65
	Technology	21.62	22.58	21.61
-	Defensive	20.44	21.25	21.97
F	Consumer Defensive	6.29	6.47	6.05
٠	Healthcare	11.58	12.15	13.27
9	Utilities	2.57	2.63	2.65
-				

#### Equity Asset Class Net % Cat% US Stocks 48.20 57.18 Non-US Stocks 30.56 18.11 Bonds 18.37 15.12 Cash 2.67 3.86 Other 0.19 5.74 Total 100.00 100.00

Morningstar Category Allocation--70% to 85%



Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
$\ominus$ Vanguard Total Stock Mkt Idx Inv	_	48.69	48.69	_	_
⊕ Vanguard Total Intl Stock Index Inv	_	31.30	79.99	_	_
$\oplus$ Vanguard Total Bond Market II ldx Inv	_	13.31	93.30	-	_
$\oplus$ Vanguard Total Intl Bd Idx Investor	-	4.87	98.18	-	-
⊖ Mktliq 12/31/2049	-	1.10	99.27	-	-
€ Vanguard Total Intl Bd II Idx Investor	_	0.76	100.03	_	_
€ Us Dollar	_	0.03	100.07	-	-

🕀 Increase 👄 Decrease 🕸 New to Portfolio



Morningstar Index

Morningstar US Mod Agg Tgt Alloc NR USD

# Vanguard LifeStrategy Income Inv VASIX

## Portfolio Manager(s)

Management Team since 09-1994

## Quantitative Screens

*Performance:* The fund has finished in the Allocation--15% to 30% Equity 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 27.27 years.

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

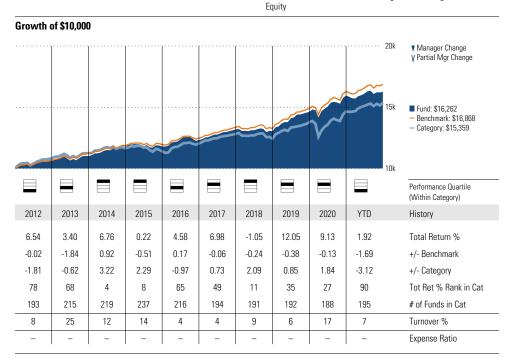
Net Expense: The fund's expense ratio of 0.11 is 88.78% lower than the Allocation--15% to 30% Equity category average.

## **Morningstar Investment Management LLC Analysis**

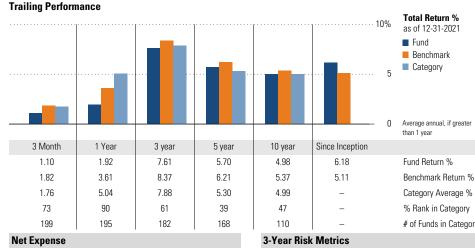
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

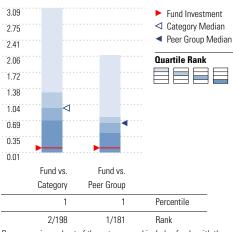
## **ESG Metrics**

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021



Morningstar Category Allocation--15% to 30%





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 -0.46 -2.73 Beta 0.97 1.31 **R**-Squared 96 87 82 48 \_ Standard Deviation 4.70 4.63 6.90 Sharpe Ratio 1 57 1.08 1.44 Tracking Error 0.83 3.42 Information Ratio -0.91 -0.23 Up Capture Ratio 91.39 110.77 Down Capture Ratio 91.87 149.27 **Portfolio Metrics** Fund Bmark Cat

runu	DITION	out
19.08	21.74	19.90
2.70	3.31	2.91
7.38	6.36	3.48
	19.08 2.70	19.08         21.74           2.70         3.31

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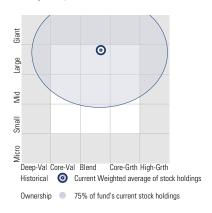


Morningstar Index

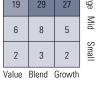
Morningstar US Con Tgt Alloc NR USD

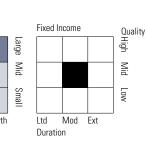
# Vanguard LifeStrategy Income Inv VASIX

## Style Analysis as of 12-31-2021 Morningstar Style Box™









Weight %

## >50 25-50 10-25 0-10

# Ton 7 Holdings as of 12-31-2021

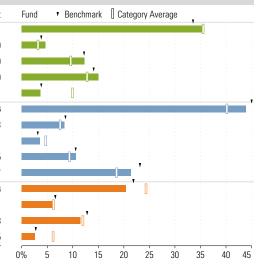
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0	50	100

## Sector Weighting as of 12-31-2021

Asset Allocation as of 12-31-2021

		Fund	Bmark	Cat
Դ	Cyclical	35.66	33.40	35.51
æ.	Basic Materials	4.68	3.69	3.20
<b>~</b>	Consumer Cyclical	12.32	12.07	9.60
	Financial Services	15.02	13.95	12.80
ŵ	Real Estate	3.64	3.69	9.91
w	Sensitive	43.91	44.87	40.16
đ	Communication Services	8.32	8.42	7.53
•	Energy	3.53	3.01	4.71
¢	Industrials	10.65	10.43	9.35
	Technology	21.41	23.01	18.57
-	Defensive	20.43	21.73	24.34
	Consumer Defensive	6.34	6.44	6.21
٠	Healthcare	11.49	12.67	11.98
9	Utilities	2.60	2.62	6.15

#### Equity Asset Class Net % Cat% US Stocks 11.48 12.96 Non-US Stocks 7.80 3.18 77.12 Bonds 67.30 Cash 2.84 10.68 Other 0.76 5.91 Total 100.00 100.00



Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
∋ Vanguard Total Bond Market II Idx Inv	-	54.65	54.65	_	_
$\oplus$ Vanguard Total Intl Bd Idx Investor	-	23.24	77.89	-	_
$\ni$ Vanguard Total Stock Mkt Idx Inv	-	11.59	89.48	-	_
$\oplus$ Vanguard Total Intl Stock Index Inv	-	8.00	97.48	-	_
$\oplus$ Vanguard Total Intl Bd II ldx Investor	-	1.64	99.11	-	-
€ Mktliq 12/31/2049	-	0.91	100.02	_	-
$\oplus$ Us Dollar	_	0.02	100.05	-	_

🕀 Increase 👄 Decrease 🕸 New to Portfolio



Morningstar Category Allocation--15% to 30% **Morningstar Index** 

Morningstar US Con Tgt Alloc NR USD

### Vanguard LifeStrategy Moderate Gr Inv VSMGX

### Portfolio Manager(s)

Management Team since 09-1994

### Quantitative Screens

*Performance:* The fund has finished in the Allocation- 50% to 70% Equity 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 27.27 years.

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

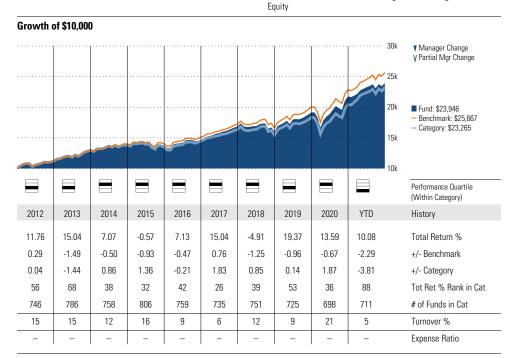
Net Expense: The fund's expense ratio of 0.13 is 87.38% lower than the Allocation--50% to 70% Equity category average.

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

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

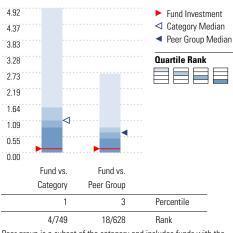
#### **ESG Metrics**

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021



Morningstar Category Allocation--50% to 70%





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

Category Average % % Rank in Category # of Funds in Category **3-Year Risk Metrics** Fund Bmark Cat Alpha -1.04 -1.41 Beta 0.99 1.06 **R**-Squared 99 10 93 55 \_ Standard Deviation 10.70 10.74 11.83 Sharpe Ratio 1.23 1.33 1.19 Tracking Error 1 02 3 15 Information Ratio -1.30 -0.19 Up Capture Ratio 94.78 101.24 Down Capture Ratio 99.68 110.25 **Portfolio Metrics** 

	Fund	Bmark	Cat
Price/Earnings Ratio	19.26	21.51	22.00
Price/Book Ratio	2.75	3.35	3.43
Avg Eff Duration	7.35	6.36	5.11

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Morningstar Index

Morningstar US Mod Tgt Alloc NR USD

**Total Return %** 

as of 12-31-2021 Fund

Benchmark
 Category

Average annual, if greater than 1 year

Fund Return % Benchmark Return %

20%

15

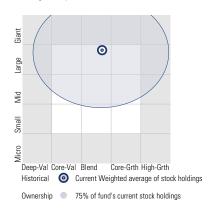
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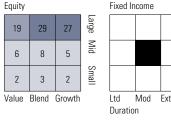
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### Vanguard LifeStrategy Moderate Gr Inv VSMGX

### Style Analysis as of 12-31-2021 Morningstar Style Box™







Fixed Income Quality High Mid Low Ext

Weight %

>50 25-50 10-25 0-10

### Top 7 Holdings as of 12-31-2021

	I	
Ω		50

### Sector Weighting as of 12-31-2021

Asset Allocation as of 12-31-2021

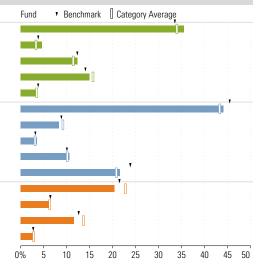
		2 01 2021		
		Fund	Bmark	Cat
Դ	Cyclical	35.48	33.38	33.97
æ.	Basic Materials	4.57	3.66	3.33
4	Consumer Cyclical	12.33	12.16	11.43
<b>B</b>	Financial Services	14.94	13.92	15.73
ŵ	Real Estate	3.64	3.64	3.48
W#	Sensitive	44.08	45.30	43.27
d	Communication Services	8.37	8.69	9.18
0	Energy	3.49	3.03	3.13
٥	Industrials	10.59	9.90	10.15
	Technology	21.63	23.68	20.81
-	Defensive	20.42	21.32	22.76
F	Consumer Defensive	6.28	6.29	6.31
٠	Healthcare	11.57	12.46	13.65
<b>)</b>	Utilities	2.57	2.57	2.80

#### Equity Asset Class Net % Cat% US Stocks 36.29 48.87 Non-US Stocks 22.91 11.39 Bonds 37.61 31.64 Cash 2.81 5.03 Other 0.38 3.06 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
$\ominus$ Vanguard Total Stock Mkt Idx Inv	_	36.66	36.66	_	_
$\oplus$ Vanguard Total Bond Market II ldx Inv	_	27.19	63.86	_	-
$\oplus$ Vanguard Total Intl Stock Index Inv	_	23.46	87.32	_	-
$\oplus$ Vanguard Total Intl Bd Idx Investor	_	10.09	97.41	_	-
$\oplus$ Vanguard Total Intl Bd II ldx Investor	-	1.50	98.91	-	-
⊕ Mktliq 12/31/2049	-	1.11	100.02	_	-
$\oplus$ Us Dollar	_	0.02	100.05	_	-

🕀 Increase 👄 Decrease 🕸 New to Portfolio



### Vanguard Mid-Cap Growth Index Admiral VMGMX

Portfolio Manager(s)

Donald Butler since 02-2013 Awais Khan since 07-2021

### Quantitative Screens

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

Management: The fund's management has been in place for 8.86 years.

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

Net Expense: The fund's expense ratio of 0.07 is
 93.46% 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
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	4	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

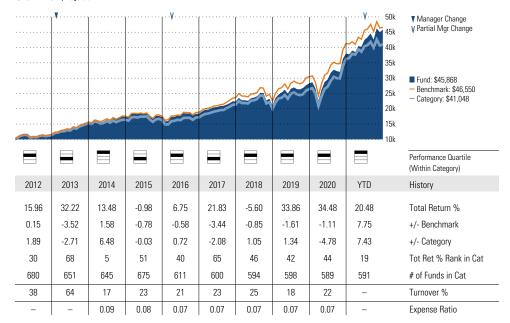




Mid-Cap Growth

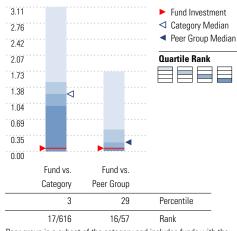
Morningstar Index

Russell Mid Cap Growth TR USD









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

1			0 /
3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	2.44	_	1.01
Beta	0.96	-	0.98
R-Squared	97.99	-	89.98
Standard Deviation	19.93	20.47	21.31
Sharpe Ratio	1.36	1.25	1.24
Tracking Error	2.92	-	6.75
Information Ratio	0.68	-	-0.04
Up Capture Ratio	100.49	-	100.42
Down Capture Ratio	91.48	-	99.53

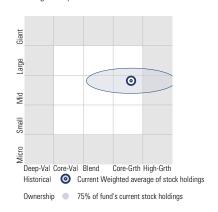
Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	37.45	32.37	34.20
Price/Book Ratio	6.50	9.52	6.68
Geom Avg Mkt Cap \$B	30.85	24.63	20.45
ROE	13.23	19.10	17.03

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### Vanguard Mid-Cap Growth Index Admiral VMGMX

**Style Analysis** as of 12-31-2021 Morningstar Style Box™







Weight %

>50 25-50 10-25 0-10

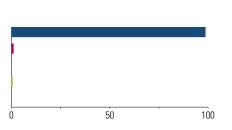
### Top 15 Holdings as of 12-31-2021

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
€ Synopsys Inc	1.45	1.45	42.15	Technology
E IQVIA Holdings Inc	1.39	2.85	57.47	Healthcare
	1.36	4.21	49.82	Technology
Amphenol Corp Class A	1.35	5.56	34.95	Technology
$oldsymbol{ m  ilde{D}}$ Palo Alto Networks Inc	1.35	6.91	56.66	Technology
🕀 DexCom Inc	1.35	8.25	45.23	Healthcare
Đ Cadence Design Systems Inc	1.34	9.59	36.59	Technology
$ m egin{array}{c} egin{arr$	1.30	10.89	30.11	Real Estate
Đ Fortinet Inc	1.29	12.18	141.97	Technology
$oldsymbol{ heta}$ Microchip Technology Inc	1.25	13.43	27.31	Technology
🕀 Centene Corp	1.24	14.67	37.26	Healthcare
€ MSCI Inc	1.24	15.91	38.03	Financial Services
🕑 IHS Markit Ltd	1.23	17.15	48.86	Industrials
Aptiv PLC	1.15	18.30	26.60	Consumer Cyclical
Đ Datadog Inc Class A	1.13	19.43	80.93	Technology

### Total Holdings 185

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

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Bmark

25.38

1.85

15.81

5.09

2.63

56.04

4.37

1.58

15.18

34.91

18.57

1.87

16.53

0.17

Fund

24.32

2.18

10.59

5.49

6.06

57.44

5.27

2.41

14.03

35.73

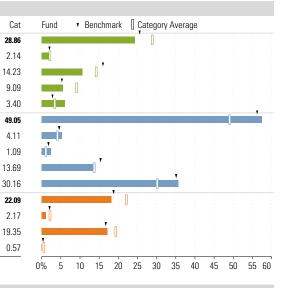
18.25

1.09

17.16

0.00

#### Asset Class Net % Cat% **US Stocks** 98.59 93.15 Non-US Stocks 0.92 3.77 Bonds 0.00 0.02 Cash 0.49 2.70 0.00 Other 0.35 Total 100.00 100.00





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

Asset Allocation as of 12-31-2021

Sector Weighting as of 12-31-2021

Basic Materials

Consumer Cyclical

**Financial Services** 

**Communication Services** 

Real Estate

Sensitive

Industrials

Technology

Defensive

Healthcare

**Consumer Defensive** 

€ Cyclical

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Energy

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Utilities

### 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 15.38 years.

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

Net Expense: The fund's expense ratio of 0.07 is 92.93% 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
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	4	11-30-2021
Carbon Risk Score	Medium Risk	09-30-2021



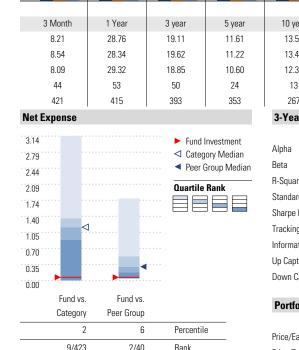


Mid-Cap Value

Morningstar Index

Russell Mid Cap Value TR USD





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

						10			
						5			
		+				0	Averag than 1	je annual, if grea year	ater
10 ye	ar	Si	nce	Ince	eption				
13.5	7		1	4.18	3		Fund	Return %	
13.4	4		1	1.94	1		Benc	hmark Returi	n %
12.3	0			_			Cate	gory Average	e %
13				_			% Ra	ink in Catego	ory
267				_		# of Funds in Category			
B-Yea	r Ris	k N	letr	ics					
							Fund	Bmark	Cat
lpha						-	0.11	-	-1.18
eta							0.98	-	1.03
-Square	ed					g	9.17	-	96.42
tandaro	d Devi	atio	n			2	1.92	22.27	23.42
harpe F	Ratio						0.88	0.89	0.83
racking	Error						2.04	-	4.94
Iformat	ion Ra	atio				-	0.25	_	-0.21
p Capti	ure Ra	atio				g	8.40	_	101.57
own Ca	apture	Rat	io			g	9.20	_	106.78
Portfo	lio N	leti	ics						

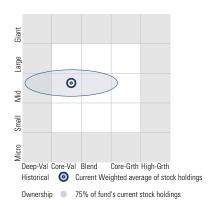
	Fund	Bmark	Cat
Price/Earnings Ratio	17.03	17.74	16.76
Price/Book Ratio	2.44	2.45	2.10
Geom Avg Mkt Cap \$B	23.93	18.96	13.99
ROE	18.59	15.83	17.02

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### Vanguard Mid-Cap Value Index Admiral VMVAX

**Style Analysis** as of 12-31-2021 Morningstar Style Box™





### Weight %

>50 25-50 10-25 0-10

#### Top 15 Holdings as of 12-31-2021

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
$\ominus$ Carrier Global Corp Ordinary Shares	1.29	1.29	45.15	Industrials
$\ni$ Motorola Solutions Inc	1.26	2.55	61.48	Technology
$\ni$ International Flavors & Fragrances Inc	1.05	3.60	41.28	Basic Materials
igodologies Keysight Technologies Inc	1.03	4.63	56.34	Technology
⊕ Welltower Inc	1.02	5.66	36.51	Real Estate
D.R. Horton Inc	1.01	6.67	58.55	Consumer Cyclical
igodolog AvalonBay Communities Inc	0.97	7.63	61.41	Real Estate
igodolog Arthur J. Gallagher & Co	0.97	8.60	38.70	Financial Services
$\oplus$ Alexandria Real Estate Equities Inc	0.95	9.55	27.62	Real Estate
⊖ Corteva Inc	0.95	10.50	23.50	Basic Materials
⊖ CBRE Group Inc Class A	0.95	11.44	73.01	Real Estate
$\ominus$ American Water Works Co Inc	0.94	12.38	24.60	Utilities
$\ominus$ Discover Financial Services	0.93	13.31	29.72	Financial Services
$\ni$ Ameriprise Financial Inc	0.93	14.24	57.51	Financial Services
⊖ Nucor Corp	0.90	15.13	117.83	Basic Materials

### Total Holdings 207

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

50

Fund

47.19

5.77

11.25

17.05

13.12

29.11

3.54

5.38

10.57

9.62

23.69

5.90

6.98

10.81

Bmark

45.46

5.51

11.59

16 12

12.24

34.56

3.50

5.16

14.40

11.50

19.96

4.88

7.95

7.13

100

Asset Allocation as of 12-31-2021

Sector Weighting as of 12-31-2021

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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	96.91	91.39
Non-US Stocks	2.04	6.02
Bonds	0.00	0.02
Cash	1.05	2.05
Other	0.00	0.52
Total	100.00	100.00

Morningstar Index

Russell Mid Cap Value TR USD

Morningstar Category

Mid-Cap Value

#### Benchmark [] Category Average Cat Fund 43.86 5.12 11.83 20.27 6.64 33.12 3.21 5.00 15.76 9.15 23.01 6.80 9.76 6.45 0% 5 10 15 20 25 30 35 40 45 50

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### Vanguard Real Estate Index Admiral VGSLX

Growth of \$10,000

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 25.65 years.

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

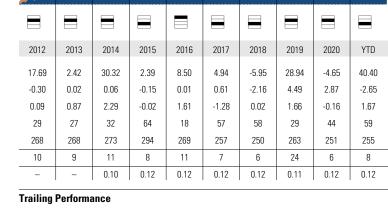
Net Expense: The fund's expense ratio of 0.12 is 88.68% lower than the Real Estate category average.

#### **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
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021





Beta

ROE

7.00			Fund Investment
6.22			Category Median
5.44			<ul> <li>Peer Group Median</li> </ul>
4.67			Quartile Rank
3.89			
3.11			
2.33			
1.56	4		
0.78			
0.00		···· • • • • • • • • • • • • • • • • •	
	Fund vs.	Fund vs.	
(	Category	Peer Group	
	5	34	Percentile
	13/263	16/48	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.

98.36 **R-Squared** 93.00 Standard Deviation 18 85 19.89 19.01 Sharpe Ratio 1.02 0.90 1.02 Tracking Error 2.70 5.07 Information Ratio 0.70 0.42 Up Capture Ratio 100.67 98.38 Down Capture Ratio 91.54 90.01 **Portfolio Metrics** Fund Bmark Cat Price/Earnings Ratio 37.58 38 46 37.45 Price/Book Ratio 3.33 2.42 3.24 Geom Avg Mkt Cap \$B 25.88 935 29.84

0.94

14.88

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9.56

15.04

Cat

2.48

0.92

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Real Estate

S&P United States REIT TR USD

Vanager Change

Fund: \$29,723 Benchmark: \$28,931

Category: \$27,802

Performance Quartile

(Within Category)

Total Return %

+/- Benchmark

+/- Category

Turnover %

Expense Ratio

Tot Ret % Rank in Cat

# of Funds in Cat

History

V Partial Mgr Change

Morningstar Index

30

251

201

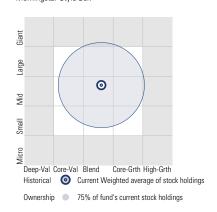
15k

10k

Morningstar Category

### Vanguard Real Estate Index Admiral VGSLX

Style Analysis as of 12-31-2021 Morningstar Style Box™





Weight %

>50 25-50 10-25 0-10

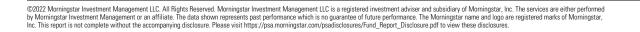
Value Blend Growth

### Ton 15 Holdings as of 12-31-2021

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
€ Vanguard Real Estate II Index	11.35	11.35	_	_
€ American Tower Corp	6.87	18.22	32.63	Real Estate
➔ Prologis Inc	6.43	24.65	71.46	Real Estate
earrow Crown Castle International Corp	4.60	29.25	34.56	Real Estate
⊕ Equinix Inc	3.90	33.15	20.04	Real Estate
€ Public Storage	3.05	36.20	65.66	Real Estate
$oldsymbol{eta}$ Simon Property Group Inc	2.64	38.84	94.21	Real Estate
	2.53	41.37	30.11	Real Estate
SBA Communications Corp	2.20	43.58	38.71	Real Estate
$\oplus$ Realty Income Corp	2.04	45.61	22.30	Real Estate
€ CBRE Group Inc Class A	1.88	47.49	73.01	Real Estate
Welltower Inc	1.87	49.36	36.51	Real Estate
$oldsymbol{eta}$ AvalonBay Communities Inc	1.82	51.19	61.41	Real Estate
$oldsymbol{eta}$ Alexandria Real Estate Equities Inc	1.67	52.85	27.62	Real Estate
$\oplus$ Equity Residential	1.63	54.49	56.73	Real Estate

### Total Holdings 172

⊕ Increase ⊖ Decrease 🕸 New to Portfolio





as of 12-31-2021			
		Asset Class	Net %
		US Stocks	99.63
		Non-US Stocks	0.05
		Bonds	0.00
		Cash	0.32
		Other	0.00
50	100	Total	100.00

Real Estate

### Sector Weighting as of 12-31-2021

Asset Allocation

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	Fund	Bmark	Cat	Fund • Benchmark ] Category Average
Cyclical	99.16	99.13	98.87	
Basic Materials	0.00	0.00	0.10	l l l l l l l l l l l l l l l l l l l
Consumer Cyclical	0.00	0.13	1.95	
Financial Services	0.00	0.00	0.24	
Real Estate	99.16	99.00	96.58	
Sensitive	0.84	0.87	1.11	
Communication Services	0.84	0.00	0.32	
Energy	0.00	0.00	0.01	
Industrials	0.00	0.87	0.24	
Technology	0.00	0.00	0.54	
Defensive	0.00	0.00	0.02	
Consumer Defensive	0.00	0.00	0.00	
Healthcare	0.00	0.00	0.00	
Utilities	0.00	0.00	0.02	

<sup>0% 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 9500</sup> 

Cat%

87.05

1.70

3.11

1.72

6.43

100.00

### Vanguard Small Cap Growth Index Admiral VSGAX

### Portfolio Manager(s)

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

### Quantitative Screens

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

Management: The fund's management has been in place for 17.01 years.

× Style: The fund has landed in its primary style box — Small Growth - 22.86 % of the time over the past three years.

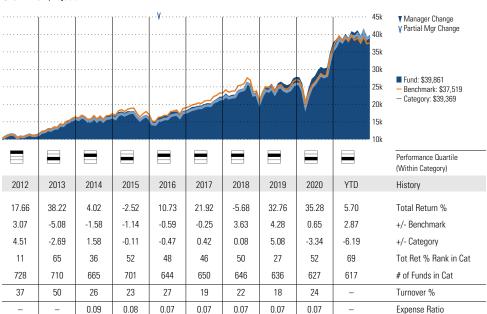
Net Expense: The fund's expense ratio of 0.07 is 94.17% lower than the Small Growth category average.

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

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

#### **ESG Metrics**

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	4	11-30-2021

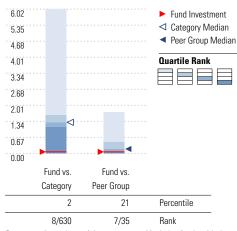


**Morningstar Category** 

Small Growth







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

14.14	10.20	Benchmark Return %		
15.16	-	Category Average %		
59	-	% Rank in Category		
394	-	# of F	unds in Cate	egory
3-Year Risk	Metrics			
		Fund	Bmark	Cat
Alpha		3.36	-	4.94
Beta		0.94	-	0.94
R-Squared		96.18	-	89.52
Standard Devia	tion	22.36	23.40	23.24
Sharpe Ratio		1.03	0.90	1.07
Tracking Error		4.61	-	7.72
Information Rat	io	0.58	-	0.57
Up Capture Rati	io	98.26	-	101.88
Down Capture F	Ratio	87.08	-	87.49
Portfolio M	etrics			
		Fund	Bmark	Cat

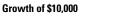
Price/Earnings Ratio	30.96	22.94	32.03
Price/Book Ratio	4.89	4.80	5.03
Geom Avg Mkt Cap \$B	6.32	3.20	6.12
ROE	9.05	8.90	7.44

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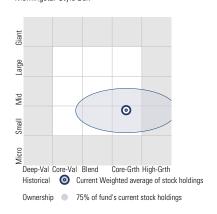
Morningstar Index

Russell 2000 Growth TR USD



### Vanguard Small Cap Growth Index Admiral VSGAX

**Style Analysis** as of 12-31-2021 Morningstar Style Box™







Weight %

>50 25-50 10-25 0-10

### Top 15 Holdings as of 12-31-2021

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
€ Slcmt1142	1.34	1.34	_	_
Đ Bio-Techne Corp	0.85	2.19	63.32	Healthcare
∋ Entegris Inc	0.79	2.97	44.54	Technology
$\ni$ Trex Co Inc	0.65	3.63	61.29	Industrials
$\oplus$ Coterra Energy Inc Ordinary Shares	0.65	4.27	23.59	Energy
∋ Masimo Corp	0.61	4.88	9.09	Healthcare
igodolog Equity Lifestyle Properties Inc	0.61	5.49	40.64	Real Estate
$oldsymbol{eta}$ Ceridian HCM Holding Inc	0.60	6.09	-1.97	Technology
	0.58	6.67	38.20	Healthcare
∋ Graco Inc	0.57	7.25	12.47	Industrials
∋ Nordson Corp	0.56	7.81	27.93	Industrials
$\supset$ Floor & Decor Holdings Inc Class A	0.55	8.35	40.02	Consumer Cyclical
⇒ Wolfspeed Inc	0.55	8.90	5.54	Technology
€ PTC Inc	0.54	9.44	1.29	Technology
∋ CubeSmart	0.52	9.96	73.64	Real Estate

### Total Holdings 764

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

Asset Allocation as of 12-31-2021

Sector Weighting as of 12-31-2021

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Energy

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Utilities

Cyclical

Basic Materials

Consumer Cyclical

**Financial Services** 

**Communication Services** 

Real Estate

Sensitive

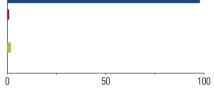
Industrials

Technology

Defensive

Healthcare

**Consumer Defensive** 



Bmark

25.45

3.28

13.24

5 64

3.29

44.66

3.32

2.19

15.68

23.47

29.90

3.97

25.44

0.49

Fund

28.18

1.79

13.02

5.07

8.30

47.06

3.15

2.08

14.68

27.15

24.76

3.29

21.04

0.43

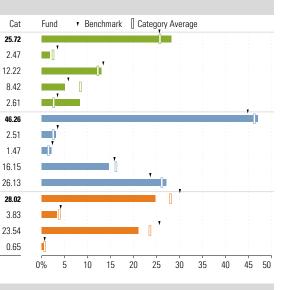
#### Asset Class Net % Cat% US Stocks 97.72 92.78 Non-US Stocks 0.72 4.51 Bonds 0.00 0.00 Cash 1.57 1.82 Other 0.00 0.89 Total 100.00 100.00

Morningstar Index

Russell 2000 Growth TR USD

**Morningstar Category** 

Small Growth





### 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 5.68 years.

Style: The fund has landed in its primary style box — Small Value — 80 % of the time over the past three years.

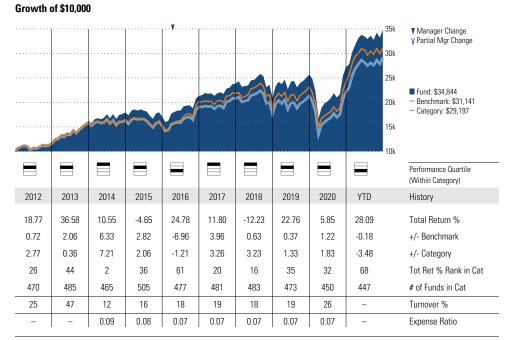
Net Expense: The fund's expense ratio of 0.07 is 94.02% lower than the Small Value category average.

### **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
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	4	11-30-2021



Morningstar Category

Small Value

### **Trailing Performance**



Alpha

Beta

3.61 Fund Investment Category Median 3.2 Peer Group Median 2.81 2.41 Quartile Rank 2.01 1.60 1.20 0.80 0.40 Fund vs Fund vs Peer Group Category 2 17 Percentile 7/43 6/458 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.

Average annual, if greater than 1 year Fund Return % Benchmark Return % Category Average % % Rank in Category # of Funds in Category Fund Bmark Cat 1.06 0.44 0.96 1 01 97.78 **R-Squared** 95.25 Standard Deviation 24 66 25.35 26.37 Sharpe Ratio 0.78 0 75 0.75 Tracking Error 3.80 6.12 Information Ratio 0.14 0.09 Up Capture Ratio 97.09 102.29 Down Capture Ratio 93.77 101.99 **Portfolio Metrics** 

	Fund	Bmark	Cat
Price/Earnings Ratio	13.79	13.35	14.51
Price/Book Ratio	2.00	1.62	1.80
Geom Avg Mkt Cap \$B	5.77	2.32	4.32
ROE	16.29	7.58	16.24

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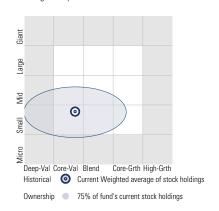




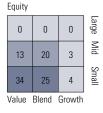
Russell 2000 Value TR USD

### Vanguard Small Cap Value Index Admiral VSIAX

**Style Analysis** as of 12-31-2021 Morningstar Style Box™







Weight %

>50 25-50 10-25 0-10

#### Top 15 Holdings as of 12-31-2021

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
onumber  onumber	0.61	0.61	140.75	Financial Services
	0.61	1.22	126.45	Energy
	0.59	1.81	23.49	Real Estate
Đ Molina Healthcare Inc	0.58	2.39	49.56	Healthcare
➔ IDEX Corp	0.56	2.96	19.70	Industrials
onumber  onumber Nuance Communications Inc	0.55	3.51	25.47	Technology
Đ Brown & Brown Inc	0.53	4.04	49.04	Financial Services
igodolog Builders FirstSource Inc	0.51	4.55	110.02	Industrials
Đ Quanta Services Inc	0.51	5.06	59.46	Industrials
$oldsymbol{eta}$ Kimco Realty Corp	0.47	5.53	68.75	Real Estate
m lacksquare The Mosaic Co	0.45	5.99	71.95	Basic Materials
Dedical Properties Trust Inc	0.44	6.43	13.58	Real Estate
🕀 Atmos Energy Corp	0.43	6.86	12.46	Utilities
$ m egin{array}{c} egin{arr$	0.42	7.29	81.53	Real Estate
RPM International Inc	0.41	7.70	12.95	Basic Materials

### Total Holdings 1003

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



0 50 100

Bmark

50.44

4.05

8.33

23.86

14.20

30.32

3.72

6.25

14.09

6.26

19.24

3.80

10.43

5.01

Fund

51.47

6.25

12.75

20.76

11.71

34 56

1.98

5.24

18.83

8.51

13.98

4.22

5.59

4.17

Asset Allocation as of 12-31-2021

Sector Weighting as of 12-31-2021

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Energy

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Cyclical

Basic Materials

Consumer Cyclical

Financial Services

**Communication Services** 

Real Estate

Sensitive

Industrials

Technology

Defensive

Healthcare

**Utilities** 

Consumer Defensive

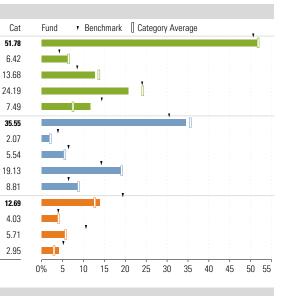
US Stocks 99.00 95.55 Non-US Stocks 0.68 2.88	Other	0.00	0.09
US Stocks 99.00 95.55 Non-US Stocks 0.68 2.88 Bonds 0.00 -0.03			
US Stocks 99.00 95.55 Non-US Stocks 0.68 2.88	Cash	0.31	1.51
US Stocks 99.00 95.55	Bonds	0.00	-0.03
	Non-US Stocks	0.68	2.88
Asset Class Net % Cat%	US Stocks	99.00	95.55
	Asset Class	Net %	Cat%

**Morningstar Index** 

Russell 2000 Value TR USD

**Morningstar Category** 

Small Value



### Vanguard Target Retirement 2015 Fund VTXVX

### Portfolio Manager(s)

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

### Quantitative Screens

*Performance:* The fund has finished in the Target-Date 2015 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 8.86 years.

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

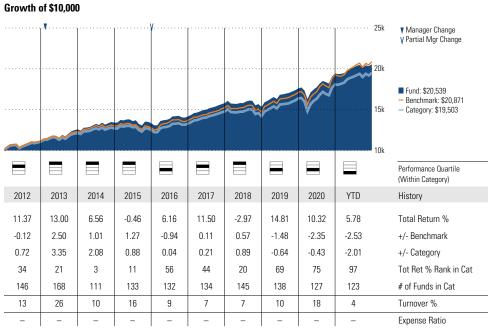
Net Expense: The fund's expense ratio of 0.12 is 79.66% lower than the Target-Date 2015 category average.

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

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

#### ESG Metrics

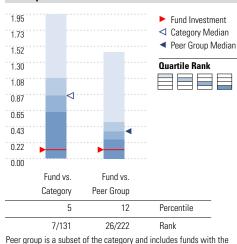
Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021



**Morningstar Category** 

Target-Date 2015





//131	20/222	ndiik
Peer group is a subset of the	category and ind	cludes funds with the
same management style (acti	ve vs. passive) a	and similar share class
characteristics.		

# of Funds in Category **3-Year Risk Metrics** Fund Bmark Cat Alpha 0.25 -0.79 0.81 0.97 Beta \_ 98.43 **R-Squared** 96.08 Standard Deviation 6 82 8 35 8 30 Sharpe Ratio 1.35 1.34 1.22 Tracking Error 1.80 1.79 Information Ratio -1.18 -0.66 Up Capture Ratio 81.39 92.30 Down Capture Ratio 77.84 95.84 Deutlelle Metal

Portiolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	19.09	19.62	19.64
Price/Book Ratio	2.71	2.77	2.83
Avg Eff Duration	6.25	7.78	5.27

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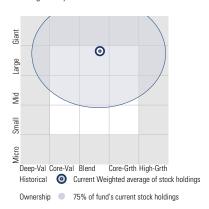


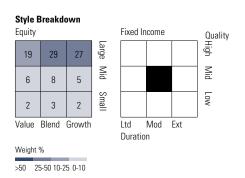
Morningstar Index Morningstar Lifetime Mod 2015 TR

USD

## Vanguard Target Retirement 2015 Fund VTXVX

**Style Analysis** as of 12-31-2021 Morningstar Style Box™





# -

50

100

0.00 100.0	100.00	Total
).50 4.4	0.50	Other
8.36 6.3	3.36	Cash
5.78 50.1	65.78	Bonds
2.25 14.7	12.25	Non-US Stocks
3.11 24.3	18.11	US Stocks
et % Cat	Net %	Asset Class
E	Ne	Asset Class

Morningstar Index Morningstar Lifetime Mod 2015 TR USD

Morningstar Category

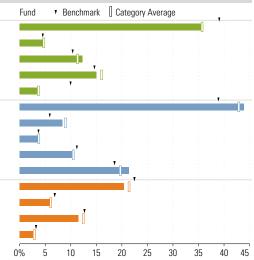
Target-Date 2015

### Sector Weighting as of 12-31-2021

0

Asset Allocation as of 12-31-2021

		Fund	Bmark	Cat	
Դ	Cyclical	35.67	38.92	35.70	
æ.	Basic Materials	4.69	4.38	4.71	
<b>~</b>	Consumer Cyclical	12.32	10.23	11.33	
цф.	Financial Services	15.03	14.49	16.00	
ŵ	Real Estate	3.63	9.82	3.66	
$\sim$	Sensitive	43.92	38.76	42.89	
đ	Communication Services	8.32	5.75	8.96	
•	Energy	3.53	3.54	3.74	
¢	Industrials	10.67	11.05	10.48	
	Technology	21.40	18.42	19.71	
	Defensive	20.42	22.32	21.41	
1	Consumer Defensive	6.31	6.72	6.08	
٠	Healthcare	11.53	12.54	12.44	
2	Utilities	2.58	3.06	2.89	



### Top 8 Holdings as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
∋ Vanguard Total Bond Market II Idx Inv	_	36.03	36.03	_	_
$\ominus$ Vanguard Total Stock Mkt ldx Inv	-	18.29	54.32	_	-
$\oplus$ Vanguard Shrt-Term Infl-Prot Sec Idx Inv	-	16.17	70.49	_	-
$\oplus$ Vanguard Total Intl Bd Idx Investor	-	15.77	86.25	_	-
$\ominus$ Vanguard Total Intl Stock Index Inv	-	12.56	98.81	-	-
€ Mktliq 12/31/2049	_	0.91	99.72	-	-
$\oplus$ Vanguard Total Intl Bd II Idx Investor	-	0.28	99.99	_	-
$\oplus$ Us Dollar	-	0.01	100.00	_	-

🕀 Increase 👄 Decrease 🕸 New to Portfolio

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### 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 8.86 years.

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

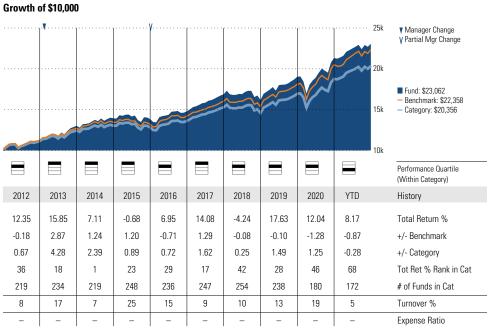
Net Expense: The fund's expense ratio of 0.13 is 79.37% lower than the Target-Date 2020 category average.

### **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**

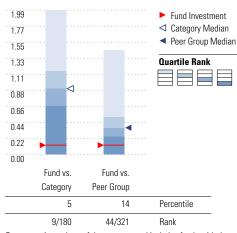
Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021



Morningstar Category

Target-Date 2020





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

# of Funds in Category **3-Year Risk Metrics** Fund Bmark Cat Alpha -0.28 -0.60 0.97 0.95 Beta \_ 98.28 **R-Squared** 96.07 Standard Deviation 9.04 9 27 8 94 Sharpe Ratio 1.26 1 31 1.21 Tracking Error 1.22 2.00 Information Ratio -0.62 -0.72 Up Capture Ratio 95.00 91.08 Down Capture Ratio 95.93 93.59

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	19.16	19.42	20.30
Price/Book Ratio	2.72	2.74	2.89
Avg Eff Duration	6.51	8.67	4.93

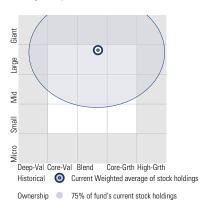
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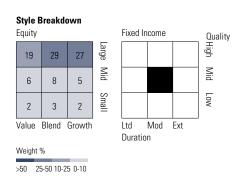


Morningstar Index Morningstar Lifetime Mod 2020 TR USD

## Vanguard Target Retirement 2020 Fund VTWNX

**Style Analysis** as of 12-31-2021 Morningstar Style Box™





# 

Cash Other	2.95 0.42	3.99 8.18
Cash	2.95	3.99
Bonds	51.87	46.34
Non-US Stocks	17.78	15.01
US Stocks	26.98	26.50
Asset Class	Net %	Cat%

Morningstar Category

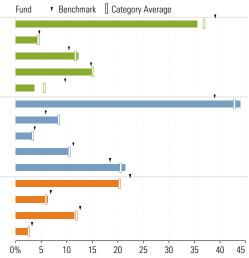
Target-Date 2020

Morningstar Index Morningstar Lifetime Mod 2020 TR USD

### Sector Weighting as of 12-31-2021

Asset Allocation as of 12-31-2021

		Fund	Bmark	Cat	Fur
Դ	Cyclical	35.59	38.92	36.87	
æ.	Basic Materials	4.64	4.48	4.40	
A	Consumer Cyclical	12.33	10.28	11.71	
цф.	Financial Services	14.99	14.61	15.12	
ŵ	Real Estate	3.63	9.55	5.64	
<b>V</b> *	Sensitive	44.01	38.81	42.82	
đ	Communication Services	8.34	5.75	8.43	
•	Energy	3.50	3.58	3.33	
Ф	Industrials	10.65	11.14	10.50	
	Technology	21.52	18.34	20.56	
-	Defensive	20.42	22.26	20.32	
Ħ	Consumer Defensive	6.30	6.72	5.91	
٠	Healthcare	11.54	12.48	11.88	
9	Utilities	2.58	3.06	2.53	
					~~~



### Top 8 Holdings as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
∋ Vanguard Total Bond Market II Idx Inv	_	30.41	30.41	_	_
$\ni$ Vanguard Total Stock Mkt ldx Inv	-	27.24	57.65	_	-
$\ni$ Vanguard Total Intl Stock Index Inv	-	18.22	75.87	_	-
$\oplus$ Vanguard Total Intl Bd Idx Investor	-	13.28	89.14	_	-
$\oplus$ Vanguard Shrt-Term Infl-Prot Sec ldx Inv	-	9.81	98.95	-	_
€ Mktliq 12/31/2049	_	0.80	99.75	-	_
$\oplus$ Vanguard Total Intl Bd II Idx Investor	-	0.24	99.99	_	-
$\oplus$ Us Dollar	_	0.01	100.00	-	-

🕀 Increase 👄 Decrease 🕸 New to Portfolio

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### 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 8.86 years.

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

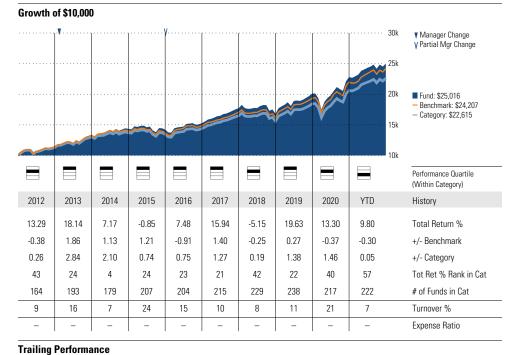
Net Expense: The fund's expense ratio of 0.13 is 80.6% lower than the Target-Date 2025 category average.

### **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**

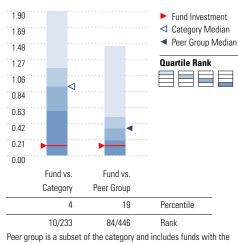
Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021



Morningstar Category

Target-Date 2025





				FIICE/Editii
	10/233	84/446	Rank	Price/Book
Peer gro same m	Avg Eff Du			
characte	eristics.			

**Total Return %** as of 12-31-2021 Fund Benchmark Category Average annual, if greater than 1 year

l	
	Fund Return %
	Benchmark Return %
	Category Average %
	% Rank in Category
	# of Funds in Category

	Fund	Bmark	Cat
Alpha	-0.33	-	-0.47
Beta	1.02	-	0.96
R-Squared	98.68	-	97.00
Standard Deviation	10.69	10.45	10.15
Sharpe Ratio	1.22	1.26	1.19
Tracking Error	1.24	-	2.02
Information Ratio	-0.11	-	-0.52
Up Capture Ratio	101.50	-	94.83
Down Capture Ratio	105.52	-	99.16

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	19.17	19.21	20.36
Price/Book Ratio	2.72	2.70	2.91
Avg Eff Duration	7.21	9.42	6.67

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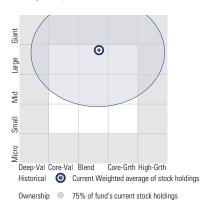


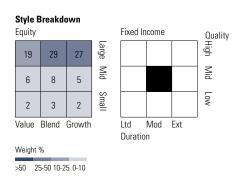
Morningstar Index Morningstar Lifetime Mod 2025 TR

USD

# Vanguard Target Retirement 2025 Fund VTTVX

Style Analysis as of 12-31-2021 Morningstar Style Box™





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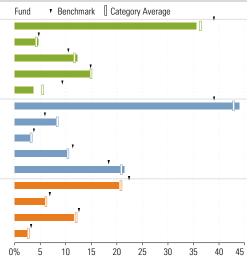
Other	0.00	
	0.39	10.93
Cash	2.67	3.69
Bonds	40.74	38.05
Non-US Stocks	22.25	16.49
US Stocks	33.94	30.83
Asset Class	Net %	Cat%

Morningstar Category Target-Date 2025 Morningstar Index Morningstar Lifetime Mod 2025 TR USD

### Sector Weighting as of 12-31-2021

Asset Allocation as of 12-31-2021

		Fund	Bmark	Cat	
Դ	Cyclical	35.58	38.86	36.35	
<i>.</i>	Basic Materials	4.64	4.58	4.23	
<b>~</b>	Consumer Cyclical	12.31	10.36	11.70	
цф	Financial Services	14.99	14.73	14.93	
ŵ	Real Estate	3.64	9.19	5.49	
$\sim$	Sensitive	43.99	38.89	42.85	
	Communication Services	8.33	5.78	8.33	
0	Energy	3.50	3.62	3.22	
Ф	Industrials	10.64	11.23	10.42	
	Technology	21.52	18.26	20.88	
	Defensive	20.44	22.25	20.80	
F	Consumer Defensive	6.30	6.74	6.11	
٠	Healthcare	11.55	12.44	12.02	
<b>?</b>	Utilities	2.59	3.07	2.67	



### Top 8 Holdings as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Inv	_	34.28	34.28	_	_
$\ominus$ Vanguard Total Bond Market II Idx Inv	-	28.12	62.40	_	-
$\ominus$ Vanguard Total Intl Stock Index Inv	-	22.80	85.20	_	-
$\oplus$ Vanguard Total Intl Bd Idx Investor	-	12.02	97.22	_	-
$\oplus$ Vanguard Shrt-Term Infl-Prot Sec ldx Inv	-	1.42	98.63	-	_
⊕ Mktliq 12/31/2049	-	0.83	99.46	-	-
$\oplus$ Vanguard Total Intl Bd II Idx Investor	-	0.49	99.95	_	-
🕀 Us Dollar	_	0.05	100.00	-	-

🕀 Increase 👄 Decrease 🕸 New to Portfolio

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### 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 8.86 years.

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

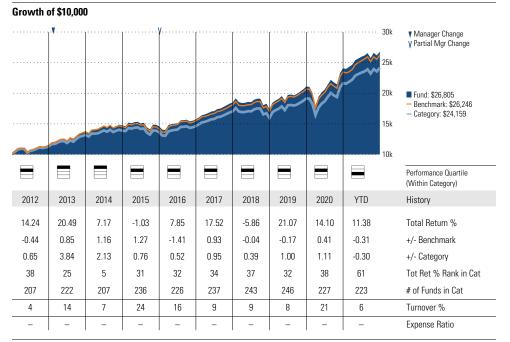
Net Expense: The fund's expense ratio of 0.14 is 79.71% lower than the Target-Date 2030 category average.

### **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
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

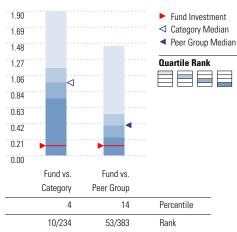


Morningstar Category

Target-Date 2030







L	21		/01		9017
	94	-	# of	Funds in Ca	ategory
	3-Year Risk	Metrics			
			Fund	Bmark	Cat
	Alpha		0.14	-	-0.09
	Beta		0.99	-	0.97
	R-Squared		99.18	-	98.04
	Standard Devia	ition	11.97	12.05	11.82
	Sharpe Ratio		1.19	1.19	1.17
	Tracking Error		1.09	-	1.88
	Information Ra	tio	-0.02	-	-0.24
	Up Capture Rat	io	100.36	-	97.95
	Down Capture	Ratio	101.08	-	100.08

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	19.17	19.00	20.41
Price/Book Ratio	2.72	2.66	2.97
Avg Eff Duration	7.37	10.06	6.72

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

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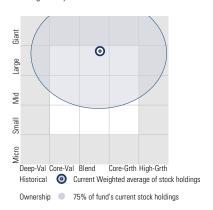


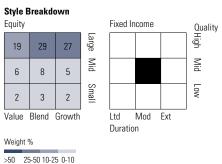
Morningstar Index Morningstar Lifetime Mod 2030 TR

USD

## Vanguard Target Retirement 2030 Fund VTHRX

Style Analysis as of 12-31-2021 Morningstar Style Box™





Top 7 Holdings as of 12-31-2021					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Oranguard Total Stock Mkt Idx Inv	_	39.32	39.32	_	_
$\oplus$ Vanguard Total Intl Stock Index Inv	-	26.17	65.49	_	-
igodoldoldoldoldoldoldoldoldoldoldoldoldol	-	23.21	88.70	_	-
$\oplus$ Vanguard Total Intl Bd Idx Investor	-	10.02	98.72	_	-
⊕ Mktliq 12/31/2049	-	0.82	99.54	-	-
$\oplus$ Vanguard Total Intl Bd II Idx Investor	-	0.43	99.97	-	-
$\oplus$ Us Dollar	-	0.03	100.00	_	-

### Total Holdings 7

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



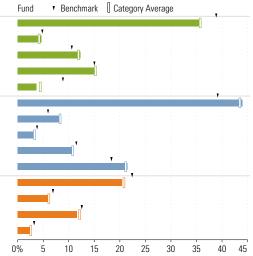
Morningstar Category Target-Date 2030	<b>Morningstar Index</b> Morningstar Lifetime Mod 2030 TR USD		
Asset Class	Net %	Cat%	
US Stocks	38.93	37.02	
Non-US Stocks	25.54	19.27	
Bonds	32.65	29.51	
Cash	2.54	2.41	
Other	0.33	11.79	
Total	100.00	100.00	

50

#### Sector Weighting as of 12-31-2021 Fund Bmark Cat Դ Cyclical 35.58 38.72 35.72 ŵ. **Basic Materials** 4.64 4.68 4.20 A Consumer Cyclical 12.32 10.45 11.90 **n Financial Services** 14.87 14.98 15.21 ŵ Real Estate 3.64 8.72 4.41 Sensitive ~ 43.99 39.01 43.49 đ **Communication Services** 8.34 5.80 8.30 Energy 3.50 3.66 3.28 ¢ Industrials 10.63 11.34 10.77 Technology 21.52 18.21 21.14 20.43 22.26 Defensive 20.80 **Consumer Defensive** 6.30 6.77 6.10 Healthcare 11.55 12.41 12.14 Utilities 2.58 3.08 2.56

Asset Allocation as of 12-31-2021

0



### 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 8.86 years.

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

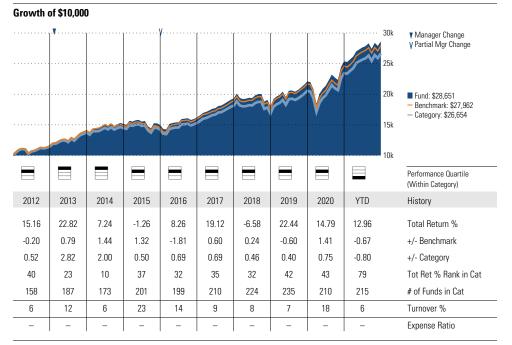
Net Expense: The fund's expense ratio of 0.14 is 80% lower than the Target-Date 2035 category average.

### 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
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

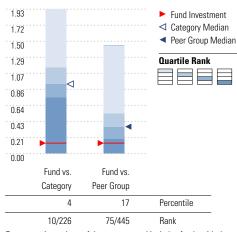


Morningstar Category

Target-Date 2035







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

% Rank in Category # of Funds in Category **3-Year Risk Metrics** Fund Bmark Cat Alpha 0.78 0.56 0.95 0.97 Beta 99.40 **R-Squared** 98.46 Standard Deviation 13 24 13.88 13 52 Sharpe Ratio 1.17 1.12 1.15 Tracking Error 1.23 1.91 Information Ratio 0.05 0.14 Up Capture Ratio 97.75 98.92 Down Capture Ratio 94.47 97.06

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	19.16	18.79	20.13
Price/Book Ratio	2.72	2.63	2.89
Avg Eff Duration	7.37	10.62	6.71

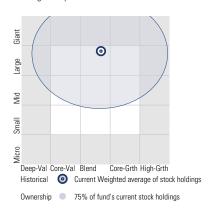
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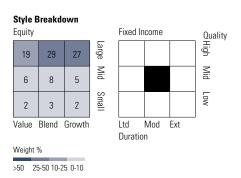


Morningstar Index Morningstar Lifetime Mod 2035 TR USD

## Vanguard Target Retirement 2035 Fund VTTHX

**Style Analysis** as of 12-31-2021 Morningstar Style Box™





			U%	5 10 15	20 25 30	35	40	45
Top 7 Holdings as of 12-31-2021								
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector			
⊖ Vanguard Total Stock Mkt Idx Inv	_	43.75	43.75	_	_			
$\oplus$ Vanguard Total Intl Stock Index Inv	-	29.19	72.94	-	-			
$\oplus$ Vanguard Total Bond Market II ldx Inv	-	18.08	91.02	-	-			
$\oplus$ Vanguard Total Intl Bd Idx Investor	-	7.76	98.78	-	_			
① Mktliq 12/31/2049	-	0.94	99.72	-	-			
⊕ Vanguard Total Intl Bd II Idx Investor	-	0.26	99.98	-	-			
$\oplus$ Us Dollar	-	0.02	100.00	-	_			

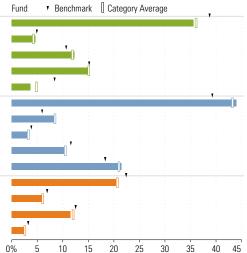
### Total Holdings 7

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



50	Total		100.00	100.00
_	Other		0.26	10.60
	Cash		2.62	2.35
	Bonds		25.31	19.06
	Non-US Stocks		28.48	24.21
	US Stocks		43.33	43.76
	Asset Class		Net %	Cat%
	Ū.	030		

#### Sector Weighting as of 12-31-2021 Cat Fund Bmark Դ Cyclical 35.58 38.60 36.09 ŵ. **Basic Materials** 4.64 4.78 4.26 A Consumer Cyclical 12.32 10.53 11.90 **n Financial Services** 14.99 15.03 15.09 ŵ Real Estate 3.63 8.26 4.84 Sensitive 43.99 ~ 39.13 43.23 đ **Communication Services** 8.34 5.82 8.47 Energy 3.51 3.70 3.26 ¢ Industrials 10.63 11.44 10.50 Technology 21.51 18.17 21.00 20.43 22.27 Defensive 20.68 **Consumer Defensive** 6.31 6.80 6.08 Healthcare 11.54 12.38 12.02 Utilities 2.58 3.09 2.58



# Asset Allocation as of 12-31-2021

Morningstar Category Target-Date 2035

Morningstar Index Morningstar Lifetime Mod 2035 TR USD

### 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 8.86 years.

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

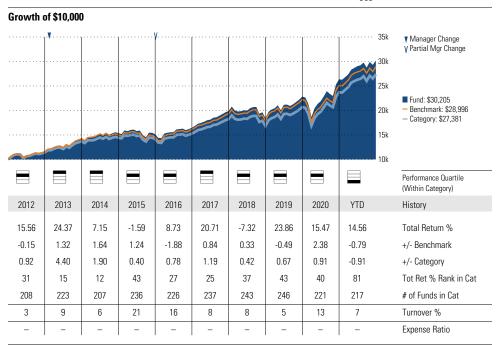
Net Expense: The fund's expense ratio of 0.14 is 80.28% lower than the Target-Date 2040 category average.

### **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.

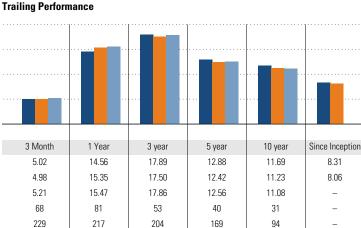
#### ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

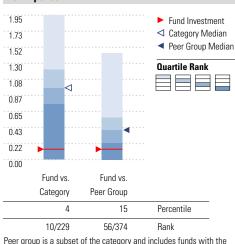


Morningstar Category

Target-Date 2040



Net Expense



	10/229	56/3/4	напк	Р
Peer grou	p is a subset of	the category an	d includes funds with the	
same mar	nagement style	active vs. passi	ve) and similar share class	, P
character	istics.			

15 Benchmark Category 10 5 Λ Average annual, if greater than 1 year Fund Return % Benchmark Return % Category Average % % Rank in Category

20%

**Total Return %** 

as of 12-31-2021 Fund

# of Funds in Category

#### **3-Year Risk Metrics** Fund Bmark Cat Alpha 1.30 1.11 0.94 0.95 Beta \_ 99.36 98.53 **R-Squared** Standard Deviation 14 51 15 45 14 78 Sharpe Ratio 1.15 1.07 1.14 Tracking Error 1.52 2.03 Information Ratio 0.26 0.33 Up Capture Ratio 97.40 98.47 Down Capture Ratio 92.00 94.22

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	19.15	18.59	20.08
Price/Book Ratio	2.72	2.59	2.88
Avg Eff Duration	7.38	11.10	6.67

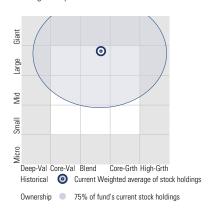
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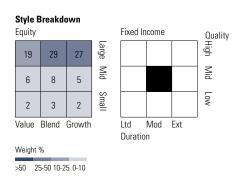


Morningstar Index Morningstar Lifetime Mod 2040 TR USD

# Vanguard Target Retirement 2040 Fund VFORX

**Style Analysis** as of 12-31-2021 Morningstar Style Box™





0.19	9.17
2.51	1.91
18.29	12.05
31.41	27.65
47.60	49.22
Net %	Cat%
	47.60 31.41 18.29 2.51

Morningstar Category Target-Date 2040

50

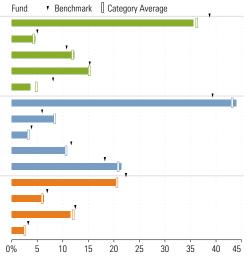
Morningstar Index Morningstar Lifetime Mod 2040 TR USD

### Sector Weighting as of 12-31-2021

0

Asset Allocation as of 12-31-2021

		Fund	Bmark	Cat	Fund
Դ	Cyclical	35.61	38.59	36.24	
æ.	Basic Materials	4.65	4.88	4.30	
	Consumer Cyclical	12.33	10.60	11.91	
ц.	Financial Services	14.99	15.14	15.20	
ŵ	Real Estate	3.64	7.97	4.83	
₩.	Sensitive	43.97	39.18	43.16	
đ	Communication Services	8.33	5.82	8.43	
0	Energy	3.50	3.74	3.26	
Ф	Industrials	10.64	11.52	10.63	
	Technology	21.50	18.10	20.84	
	Defensive	20.43	22.23	20.59	
	Consumer Defensive	6.31	6.82	5.97	
٠	Healthcare	11.54	12.31	12.04	
2	Utilities	2.58	3.10	2.58	



### Top 7 Holdings as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Inv	_	48.07	48.07	_	-
$\oplus$ Vanguard Total Intl Stock Index Inv	-	32.19	80.25	-	-
$\oplus$ Vanguard Total Bond Market II Idx Inv	-	12.95	93.20	-	-
$\oplus$ Vanguard Total Intl Bd Idx Investor	-	5.87	99.07	-	-
⊖ Mktliq 12/31/2049	-	0.89	99.96	-	-
⊕ Vanguard Total Intl Bd II Idx Investor	-	0.04	100.00	-	-
🕀 Us Dollar	_	0.00	100.00	_	-

### Total Holdings 7

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



### 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 8.86 years.

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

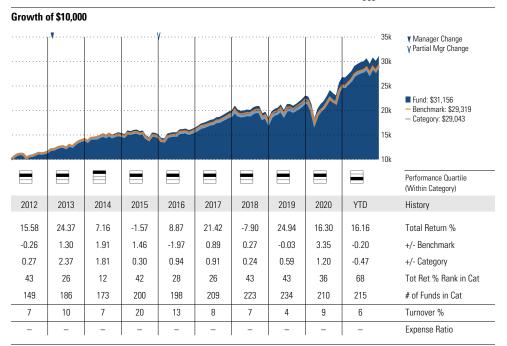
Net Expense: The fund's expense ratio of 0.15 is 78.87% lower than the Target-Date 2045 category average.

### **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
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021



Morningstar Category

Target-Date 2045



#### 1.94 Fund Investment Category Median 1.72 Peer Group Median 1.51 1.29 Quartile Rank 1.08 0.86 0.65 0.43 0.22 Fund vs Fund vs Peer Group Category 5 17 Percentile 12/226 74/441 Rank Pe

				-
25	-	% Rank in Category		
85	-	# of Funds in Category		
3-Year Risk	Metrics			
		Fund	Bmark	Cat
Alpha		1.57	-	1.42
Beta		0.96	-	0.95
R-Squared		99.26	-	98.55
Standard Devia	tion	15.74	16.36	15.62
Sharpe Ratio		1.14	1.05	1.13
Tracking Error		1.52	-	2.06
Information Rat	io	0.71	-	0.46
Up Capture Rat	io	100.21	-	98.96
Down Capture I	Ratio	94.21	-	93.70
Portfolio M	etrics			
		Fund	Bmark	Cat

	12/220	/4/441	Hallk
Peer group	is a subset of the	category and ir	cludes funds with the
same mana	agement style (act	tive vs. passive)	and similar share class
characteris	stics.		

Cat Price/Earnings Ratio 19.16 18.43 20.08 Price/Book Ratio 2.72 2.56 2.85 Avg Eff Duration 7 35 11 53 6 60

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Morningstar Index Morningstar Lifetime Mod 2045 TR USD

**Total Return %** 

as of 12-31-2021 Fund

Benchmark

Average annual, if greater than 1 year

Benchmark Return %

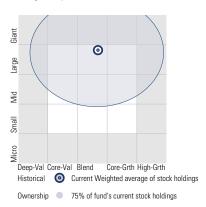
Category Average %

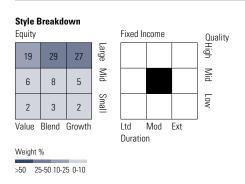
Fund Return %

Category

# Vanguard Target Retirement 2045 Fund VTIVX

**Style Analysis** as of 12-31-2021 Morningstar Style Box™





# 

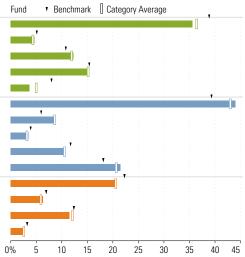
Other	0.13	J.+J
	0.13	9.43
Cash	2.70	1.74
Bonds	10.88	6.68
Non-US Stocks	34.23	29.89
US Stocks	52.07	52.24
Asset Class	Net %	Cat%

Morningstar Category Target-Date 2045 Morningstar Index Morningstar Lifetime Mod 2045 TR USD

### Sector Weighting as of 12-31-2021

Asset Allocation as of 12-31-2021

		Fund	Bmark	Cat	Fund
Դ	Cyclical	35.58	38.71	36.42	
æ.	Basic Materials	4.64	4.97	4.34	
A	Consumer Cyclical	12.32	10.65	11.93	
<b>L</b>	Financial Services	14.98	15.24	15.16	
ŵ	Real Estate	3.64	7.85	4.99	
w,	Sensitive	43.98	39.17	43.00	_
đ	Communication Services	8.33	5.83	8.61	
	Energy	3.51	3.77	3.18	
¢	Industrials	10.63	11.58	10.54	
	Technology	21.51	17.99	20.67	
-	Defensive	20.43	22.13	20.57	
F	Consumer Defensive	6.31	6.81	5.92	)
٠	Healthcare	11.54	12.23	12.08	_
2	Utilities	2.58	3.09	2.57	



### Top 7 Holdings as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Or Stand Stock Mkt Idx Inv     Stock Mkt Idx     Stock Mkt     Stoc	-	52.58	52.58	_	-
$\oplus$ Vanguard Total Intl Stock Index Inv	-	35.07	87.65	-	-
$\oplus$ Vanguard Total Bond Market II Idx Inv	-	7.86	95.51	-	-
$\oplus$ Vanguard Total Intl Bd Idx Investor	-	3.31	98.83	-	-
① Mktliq 12/31/2049	-	1.12	99.94	-	-
$\oplus$ Vanguard Total Intl Bd II Idx Investor	-	0.05	100.00	-	-
🕀 Us Dollar	_	0.00	100.00	_	_

### Total Holdings 7

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



### 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 8.86 years.

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

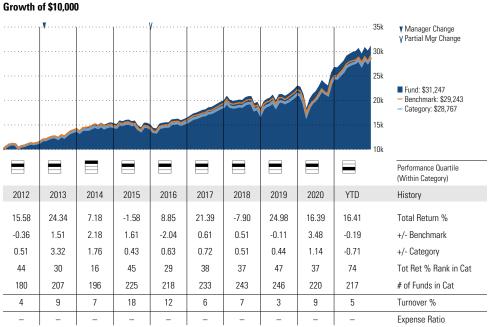
Net Expense: The fund's expense ratio of 0.15 is 79.17% lower than the Target-Date 2050 category average.

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

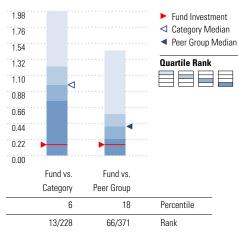
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

#### ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021







11.33	8.16	Benc	hmark Returr	n %
11.56	-	Cate	gory Average	%
28	-	% Ra	nk in Catego	ry
86	-	# of F	unds in Cate	gory
3-Year Risk	Metrics			
		Fund	Bmark	Cat
Alpha		1.85	-	1.56
Beta		0.94	-	0.95
R-Squared		99.20	-	98.48
Standard Devia	tion	15.77	16.69	15.93
Sharpe Ratio		1.14	1.03	1.12
Tracking Error		1.72	-	2.08
Information Rat	tio	0.64	_	0.48

Down Capture Ratio	92.29	-	93.61
Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	19.16	18.28	19.97
Price/Book Ratio	2.72	2.53	2.83
Avg Eff Duration	7.40	-	6.55

99.28

Up Capture Ratio

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

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Morningstar Index Morningstar Lifetime Mod 2050 TR

**Total Return %** 

as of 12-31-2021 Fund

Benchmark

Average annual, if greater than 1 year

99.27

Fund Return %

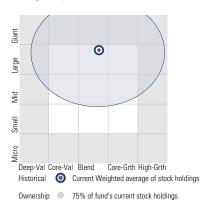
Category

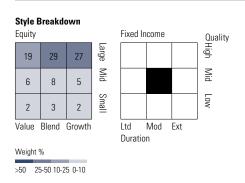
Target-Date 2050 USD

Morningstar Category

## Vanguard Target Retirement 2050 Fund VFIFX

Style Analysis as of 12-31-2021 Morningstar Style Box™





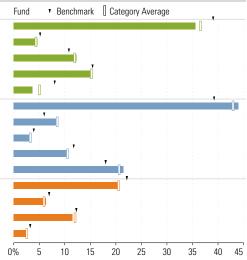
### Top 7 Holdings as of 12-31-2021

50	100
	50

### Sector Weighting as of 12-31-2021

Asset Allocation as of 12-31-2021

		Fund	Bmark	Cat	Fund V Bend
Դ	Cyclical	35.57	38.90	36.55	
æ.	Basic Materials	4.63	5.04	4.36	<b></b> )
A	Consumer Cyclical	12.32	10.67	11.93	
цф	Financial Services	14.99	15.30	15.21	
ŵ	Real Estate	3.63	7.89	5.05	
w	Sensitive	43.99	39.09	42.93	
	Communication Services	8.34	5.83	8.51	
0	Energy	3.51	3.79	3.24	
٥	Industrials	10.63	11.61	10.53	]
	Technology	21.51	17.86	20.65	
<b>→</b>	Defensive	20.42	22.01	20.52	
E	Consumer Defensive	6.30	6.80	5.94	)
٠	Healthcare	11.54	12.12	12.01	-
9	Utilities	2.58	3.09	2.57	<b>—</b>
					00/ 5 10



Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Inv	_	53.82	53.82	_	_
$\oplus$ Vanguard Total Intl Stock Index Inv	-	35.89	89.71	-	_
$\oplus$ Vanguard Total Bond Market II Idx Inv	-	6.25	95.95	-	_
$\oplus$ Vanguard Total Intl Bd Idx Investor	-	2.92	98.87	-	_
• Mktliq 12/31/2049	-	1.00	99.87	-	-
<ul> <li>Wanguard Total Intl Bd II Idx Investor</li> </ul>	_	0.08	99.95	_	_
$\oplus$ Us Dollar	-	0.05	100.00	-	-

### Total Holdings 7

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



Morningstar Index Morningstar Lifetime Mod 2050 TR USD Morningstar Category Target-Date 2050

8.97 2.61 0.11	5.50 1.41 7.55
8.97	5.50
35.02	31.39
53.29	54.14
Net %	Cat%
	53.29

### 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 8.86 years.

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

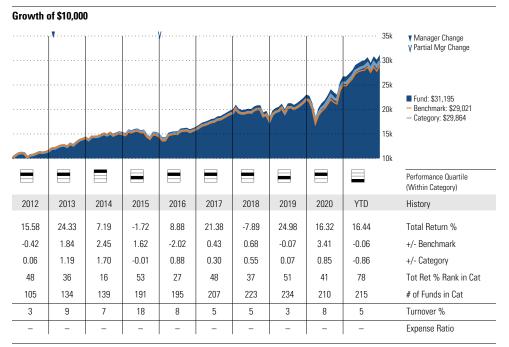
Net Expense: The fund's expense ratio of 0.15 is 78.87% lower than the Target-Date 2055 category average.

### **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
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

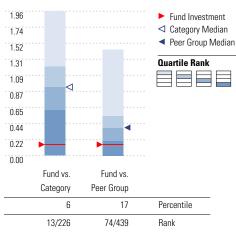


Morningstar Category

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.

**3-Year Risk Metrics** Fund **Bmark** Cat Alpha 1.96 1.68 0.94 0.95 Beta \_ **R-Squared** 99.14 98.43 Standard Deviation 15 77 16 78 16 07 Sharpe Ratio 1.14 1.03 1.12 Tracking Error 1.81 2.10 Information Ratio 0.62 0.56 Up Capture Ratio 99.04 99.94 Down Capture Ratio 91.67 93.93

#### **Portfolio Metrics** Fund Bmark Cat Price/Earnings Ratio 19 18 18 14 19.70 Price/Book Ratio 2.73 2.50 2.77 Avg Eff Duration 7 37 6 64

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Morningstar Index Morningstar Lifetime Mod 2055 TR

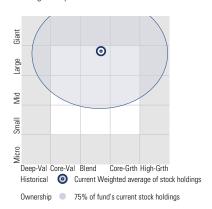
USD

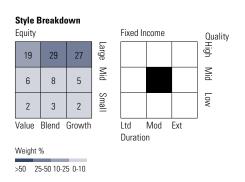
**Total Return %** 

20%

# Vanguard Target Retirement 2055 Fund VFFVX

**Style Analysis** as of 12-31-2021 Morningstar Style Box<sup>™</sup>





# 

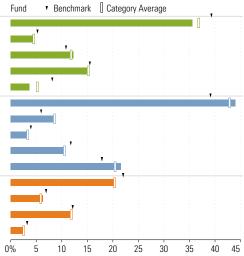
Other	0.11	5.27
Cash	2.70	1.52
Bonds	9.05	4.53
Non-US Stocks	34.80	34.51
US Stocks	53.35	54.17
Asset Class	Net %	Cat%

Morningstar Category Target-Date 2055 Morningstar Index Morningstar Lifetime Mod 2055 TR USD

### Sector Weighting as of 12-31-2021

Asset Allocation as of 12-31-2021

		Fund	Bmark	Cat	Fund	<ul> <li>Benchm</li> </ul>
Դ	Cyclical	35.56	39.15	36.81		
ŵ.	Basic Materials	4.63	5.11	4.51		_
A	Consumer Cyclical	12.32	10.69	11.83		)
цů,	Financial Services	14.97	15.35	15.24		-
ŵ	Real Estate	3.64	8.00	5.23		•
w,	Sensitive	44.01	38.97	42.85		_
d	Communication Services	8.34	5.82	8.56	_	
0	Energy	3.50	3.81	3.32		_
٥	Industrials	10.63	11.62	10.53		]
	Technology	21.54	17.72	20.44		
<b>→</b>	Defensive	20.43	21.87	20.34		-
F	Consumer Defensive	6.30	6.79	5.89		0
٠	Healthcare	11.55	12.00	11.90	_	
2	Utilities	2.58	3.08	2.55		
						10



### Top 7 Holdings as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Or Stand Stock Mkt Idx Inv     Stand Stock Mkt Idx Inv     Stand Stan	-	53.88	53.88	_	_
$\oplus$ Vanguard Total Intl Stock Index Inv	-	35.65	89.53	-	-
$\oplus$ Vanguard Total Bond Market II Idx Inv	-	6.47	96.00	-	-
$\oplus$ Vanguard Total Intl Bd Idx Investor	-	2.67	98.66	-	-
① Mktliq 12/31/2049	-	1.09	99.76	-	_
$\oplus$ Vanguard Total Intl Bd II Idx Investor	_	0.19	99.95	-	-
🛨 Us Dollar	-	0.05	100.00	_	-

### Total Holdings 7

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



### 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 8 of the 9 years it's been in existence.

Management: The fund's management has been in place for 8.86 years.

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

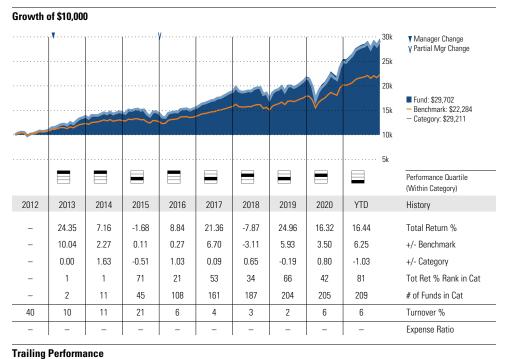
Net Expense: The fund's expense ratio of 0.15 is 79.17% lower than the Target-Date 2060 category average.

### **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
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021



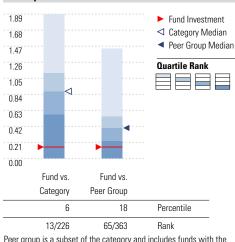
Alpha

Morningstar Category

Target-Date 2060

#### 3 Month 1 Year 3 year 5 year 10 year 5.66 16.44 19.17 13.61 3.43 10.19 13.95 10.07 8.75 5.83 17 47 13 45 19.28 66 81 67 57 226 209 189 140

Net Expense



13/220 03/303 HdHk	
er group is a subset of the category and includes	s funds with the
ne management style (active vs. passive) and si	milar share class
aracteristics.	

as of 12-31-2021 Fund 15 Benchmark Category 10 5 Λ Average annual, if greater than 1 year Since Inception Fund Return % 11.62 6.93 Benchmark Return % Category Average % \_ % Rank in Category # of Funds in Category **3-Year Risk Metrics** Fund Bmark Cat -0.81 -1.18

20%

**Total Return %** 

Beta	1.44	-	1.47
R-Squared	98.94	-	97.94
Standard Deviation	15.75	10.91	16.20
Sharpe Ratio	1.14	1.18	1.12
Tracking Error	5.03	-	5.64
Information Ratio	1.04	-	0.94
Up Capture Ratio	142.33	-	144.58
Down Capture Ratio	151.31	-	156.44

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	19.21	17.96	19.81
Price/Book Ratio	2.74	2.46	2.84
Avg Eff Duration	7.32	6.79	6.51

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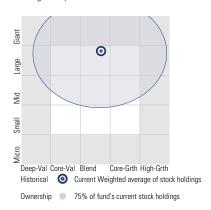


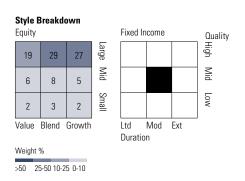
Morningstar Index

Morningstar Mod Tgt Risk TR USD

## Vanguard Target Retirement 2060 Fund VTTSX

**Style Analysis** as of 12-31-2021 Morningstar Style Box™





### Top 7 Holdings as of 12-31-2021

F		
ļ	50	

Asset Allocation as of 12-31-2021

Total	100.00	100.00
Other	0.11	3.68
Cash	2.78	2.14
Bonds	9.09	5.31
Non-US Stocks	34.46	33.94
US Stocks	53.55	54.92
Asset Class	Net %	Cat%

**Morningstar Index** 

Morningstar Mod Tgt Risk TR USD

Morningstar Category

Target-Date 2060

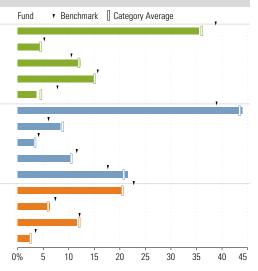
Cat

36.04

# Fund Bmark Cyclical 35.52 38.62 Basic Materials 4.60 5.07

Sector Weighting as of 12-31-2021

<i>.</i>	Basic Materials	4.60	5.07	4.48
A	Consumer Cyclical	12.33	10.38	11.98
ц.	Financial Services	14.96	15.53	15.04
ŵ	Real Estate	3.63	7.64	4.54
₩.	Sensitive	44.04	38.79	43.45
đ	Communication Services	8.35	5.90	8.82
0	Energy	3.50	3.96	3.39
Ф	Industrials	10.61	11.42	10.48
	Technology	21.58	17.51	20.76
-	Defensive	20.43	22.58	20.50
E	Consumer Defensive	6.30	7.23	5.95
٠	Healthcare	11.55	11.97	12.04
2	Utilities	2.58	3.38	2.51



Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
-	54.09	54.09	_	_
-	35.30	89.39	_	-
-	6.73	96.12	_	-
-	2.27	98.39	_	-
-	1.14	99.53	-	-
-	0.38	99.91	-	-
-	0.09	100.00	-	-
	, _ _ _ _ _ _	- 54.09 - 35.30 - 6.73 - 2.27 - 1.14 - 0.38	- 54.09 54.09 - 35.30 89.39 - 6.73 96.12 - 2.27 98.39 - 1.14 99.53 - 0.38 99.91	- 54.09 54.09 - - 35.30 89.39 - - 6.73 96.12 - - 2.27 98.39 - - 1.14 99.53 - - 0.38 99.91 -

### Total Holdings 7

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



### 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 2 of the 4 years it's been in existence.

Management: The fund's management has been in place for 4.47 years.

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

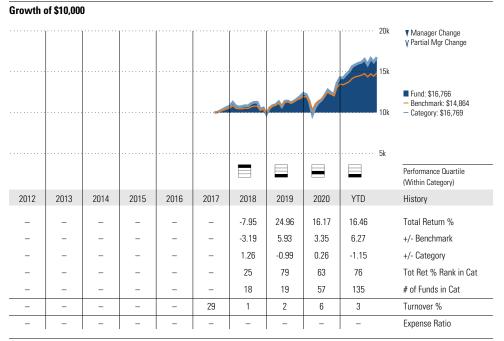
Net Expense: The fund's expense ratio of 0.15 is 78.87% lower than the Target-Date 2065+ category average.

### 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.

#### ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

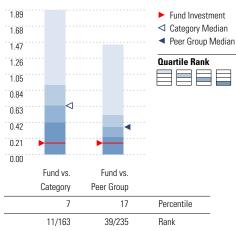


**Morningstar Category** 

Target-Date 2065+







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

5 Λ Average annual, if greater than 1 year Since Inception Fund Return % Benchmark Return % Category Average % % Rank in Category # of Funds in Category **3-Year Risk Metrics** Fund Bmark Cat Alpha -0.89 -1.51 1.53 Beta 1 4 4 \_ R-Squared 98.95 98.02 10.91 Standard Deviation 15 79 16.83 Sharpe Ratio 1.14 1.18 1.10 Tracking Error 5.06 6.23 Information Ratio 1.02 0.92

20%

15

10

Up Capture Ratio	142.38	-	148.16
Down Capture Ratio	151.85	-	160.92
Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	19.13	17.96	18.85
Price/Book Ratio	2.71	2.46	2.63
Avg Eff Duration	7.31	6.79	6.56

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Morningstar Index

Morningstar Mod Tgt Risk TR USD

**Total Return %** 

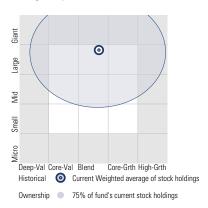
as of 12-31-2021 Fund

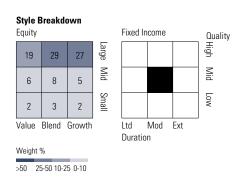
Benchmark

Category

### Vanguard Target Retirement 2065 Fund VLXVX

**Style Analysis** as of 12-31-2021 Morningstar Style Box™





# 

Asset Class	Net %	Cat%
US Stocks	52.71	46.42
Non-US Stocks	35.19	38.57
Bonds	9.12	7.50
Cash	2.87	2.10
Other	0.11	5.42
Total	100.00	100.00

**Morningstar Index** 

Morningstar Mod Tgt Risk TR USD

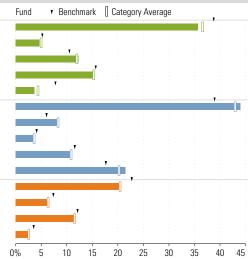
Morningstar Category

Target-Date 2065+

### Sector Weighting as of 12-31-2021

Asset Allocation as of 12-31-2021

		Fund	Bmark	Cat	
Դ	Cyclical	35.64	38.62	36.60	
æ.	Basic Materials	4.66	5.07	4.97	
	Consumer Cyclical	12.33	10.38	11.97	
ц.	Financial Services	15.01	15.53	15.29	
ŵ	Real Estate	3.64	7.64	4.37	
w	Sensitive	43.96	38.79	42.97	
	Communication Services	8.32	5.90	8.29	
0	Energy	3.52	3.96	3.61	
¢	Industrials	10.65	11.42	10.84	
	Technology	21.47	17.51	20.23	
-	Defensive	20.42	22.58	20.43	
F	Consumer Defensive	6.31	7.23	6.34	
٠	Healthcare	11.53	11.97	11.53	
<b>9</b>	Utilities	2.58	3.38	2.56	



### Top 7 Holdings as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
$\oplus$ Vanguard Total Stock Mkt Idx Inv	-	53.23	53.23	_	_
$\oplus$ Vanguard Total Intl Stock Index Inv	-	36.06	89.29	-	_
$\oplus$ Vanguard Total Bond Market II Idx Inv	-	6.80	96.09	-	_
$\oplus$ Vanguard Total Intl Bd Idx Investor	-	1.71	97.81	-	_
⊖ Mktliq 12/31/2049	-	1.27	99.08	-	-
$\oplus$ Vanguard Total Intl Bd II Idx Investor	-	0.89	99.97	-	_
🕀 Us Dollar	_	0.03	100.00	_	_

### Total Holdings 7

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



### 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 8.86 years.

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

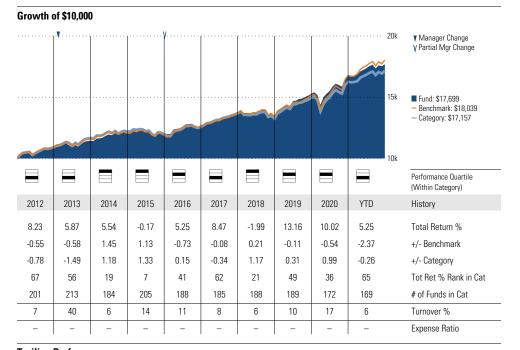
Net Expense: The fund's expense ratio of 0.12 is 82.61% lower than the Target-Date Retirement category average.

#### **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
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021



Morningstar Category

Target-Date Retirement



Fund Investment Category Median

Quartile Rank

Percentile

Rank

Peer Group Median

#### **3-Year Risk Metrics**

	Fund	Bmark	Cat
Alpha	0.72	-	-0.45
Beta	0.83	-	0.92
R-Squared	97.05	-	93.71
Standard Deviation	5.87	6.97	6.64
Sharpe Ratio	1.42	1.34	1.24
Tracking Error	1.56	-	2.09
Information Ratio	-0.66	-	-0.50
Up Capture Ratio	84.36	-	87.16
Down Capture Ratio	72.74	-	85.98

Morningstar Index Morningstar Lifetime Mod Incm TR

USD

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	19.09	19.96	19.67
Price/Book Ratio	2.71	2.84	2.74
Avg Eff Duration	6.22	5.68	6.65

7/172 78/374 Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

21

Fund vs Peer Group

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Fund vs

Category 4

Net Expense

1.90

1.69

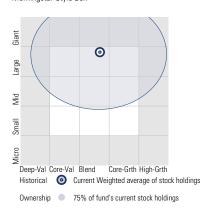
1.48 1.27

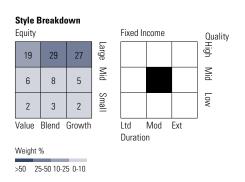
1.06 0.84 0.63 0.42 0.21 



### Vanguard Target Retirement Income Fund VTINX

Style Analysis as of 12-31-2021 Morningstar Style Box™





# 100 50

Fund

35.67

4.68

12.33

15.01

3.65

43.90

8.30

3.51

10.67

21.42

20.42

6.34

11.50

2.58

Bmark

38.72

4.23

10.13

14.34

10.02

38.83

5.79

3.48

10.91

18.65

22.44

6.71

12.67

3.06

Asset Allocation as of 12-31-2021

Sector Weighting as of 12-31-2021

Basic Materials

**Consumer Cyclical** 

**Financial Services** 

**Communication Services** 

Real Estate

Sensitive

Industrials

Technology

Defensive

Healthcare

Consumer Defensive

0

Դ Cyclical

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A

**n** 

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3

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Energy

¢

Utilities

#### Asset Class Net % Cat% US Stocks 17.36 17.85 Non-US Stocks 9.93 11.75 Bonds 66.98 52.06 Cash 3.40 6.26 Other 0.50 13.91 Total 100.00 100.00

**Morningstar Category** 

Target-Date Retirement

Morningstar Index Morningstar Lifetime Mod Incm TR USD

#### Benchmark [] Category Average Fund Cat 38.21 4.17 11.18 14.51 8.35 0 41.44 7.69 3.56 10.12 20.07 20.35 6.20 11.32 2.83 10 15 20 25 30 35 40 45 0% 5

### Top 8 Holdings as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Bond Market II Idx Inv	_	36.70	36.70	_	_
Vanguard Total Stock Mkt Idx Inv	-	17.54	54.24	_	-
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Inv	-	16.89	71.12	_	-
Vanguard Total Intl Bd Idx Investor	-	15.75	86.87	_	-
$\oplus$ Vanguard Total Intl Stock Index Inv	-	12.05	98.92	-	-
€ Mktliq 12/31/2049	_	0.91	99.83	_	-
$\oplus$ Vanguard Total Intl Bd II ldx Investor	-	0.16	99.99	-	-
$\oplus$ Us Dollar	-	0.01	100.00	-	-

🕀 Increase 👄 Decrease 🕸 New to Portfolio

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### 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 27.02 years.

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

Net Expense: The fund's expense ratio of 0.05 is 94.62% lower than the Large Value category average.

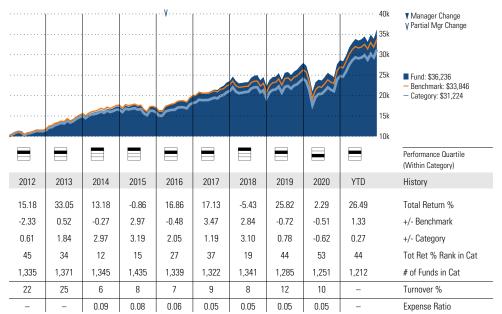
### **Morningstar Investment Management LLC Analysis**

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
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	2	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021



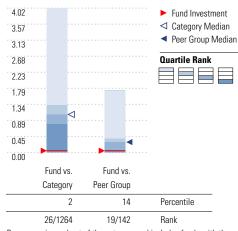


**Morningstar Category** 

Large Value







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 than 1 year Fund Return % Benchmark Return % Category Average % % Rank in Category # of Funds in Category Fund Bmark Cat Alpha 0.81 0.36 0.94 0.99 Beta 99.12 **R-Squared** 95.52 Standard Deviation 18.34 19.33 19 52 Sharpe Ratio 0.93 0.90 0.90 Tracking Error 2.03 4.42 Information Ratio 0.00 0.01 Up Capture Ratio 98.22 99.01 Down Capture Ratio 96.77 97.88 **Portfolio Metrics** Rmort Cat

**Total Return %** 

as of 12-31-2021

Category

	Fund	Bmark	Cat
Price/Earnings Ratio	18.14	18.35	17.61
Price/Book Ratio	2.73	2.56	2.77
Geom Avg Mkt Cap \$B	105.80	78.33	125.20
ROE	22.82	17.59	24.57

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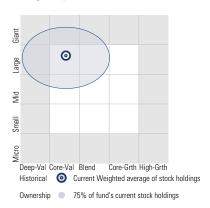


Morningstar Index

Russell 1000 Value TR USD

### Vanguard Value Index Adm VVIAX

Style Analysis as of 12-31-2021 Morningstar Style Box™







Weight %

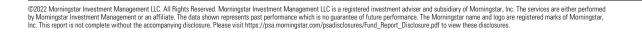
>50 25-50 10-25 0-10

### Top 15 Holdings as of 12-31-2021

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector	
igop Berkshire Hathaway Inc Class B	2.85	2.85	28.95	Financial Services	
$\ni$ UnitedHealth Group Inc	2.58	5.43	44.79	Healthcare	
igodolog JPMorgan Chase & Co	2.55	7.98	27.53	Financial Services	
∋ Johnson & Johnson	2.45	10.44	11.36	6 Healthcare	
igoplus Procter & Gamble Co	2.16	12.59	20.01	Consumer Defensive	
ightarrow Pfizer Inc	1.81	14.40	64.66	Healthcare	
igodolog Bank of America Corp	1.69	16.09	49.36	Financial Services	
Đ Broadcom Inc	1.42	17.50	55.38	Technology	
∋ Exxon Mobil Corp	1.41	18.92	56.91	Energy	
⊖ Abbott Laboratories	1.36	20.27	30.19	Healthcare	
$\ominus$ Cisco Systems Inc	1.31	21.58	44.89	Technology	
∋ PepsiCo Inc	1.31	22.89	20.00	Consumer Defensive	
$\ni$ AbbVie Inc	1.30	24.20	31.22	Healthcare	
$ i \in$ Eli Lilly and Co	1.30	25.49	65.61	Healthcare	
∋ Coca-Cola Co	1.25	26.75	11.03	Consumer Defensive	

### Total Holdings 358

🕀 Increase 👄 Decrease 🕸 New to Portfolio

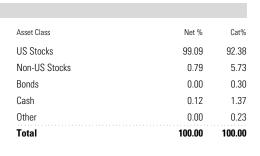


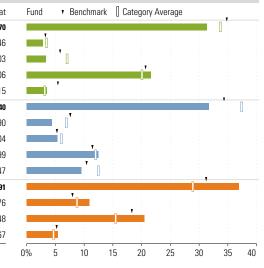
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Asset Allocation as of 12-31-2021

Sector Weighting as of 12-31-2021

		Fund	Bmark	Cat
Դ	Cyclical	31.35	34.69	33.70
æ.	Basic Materials	2.82	3.13	3.46
	Consumer Cyclical	3.38	5.69	7.03
ц.	Financial Services	21.64	20.56	20.08
ŵ	Real Estate	3.51	5.31	3.15
Vvr	Sensitive	31.75	34.21	37.40
	Communication Services	4.40	7.46	6.90
0	Energy	5.36	5.14	6.04
¢	Industrials	12.45	11.31	11.99
	Technology	9.54	10.30	12.47
-	Defensive	36.90	31.10	28.91
F	Consumer Defensive	10.93	7.84	8.76
٠	Healthcare	20.49	18.17	15.48
9	Utilities	5.48	5.09	4.67





Morningstar Category Morningstar Index Large Value Russell 1000 Value TR USD