# American Funds American Balanced R6 RLBGX

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

Fauity

Morningstar US Mod Tgt Alloc NR USD

#### Portfolio Manager(s)

Hilda Applbaum since 01-1999

Alan Berro since 03-2006

Jeffrey Lager since 03-2011

Paul Benjamin since 07-2014

Anne-Marie Peterson since 10-2015

Alan Wilson since 01-2016

John Queen since 07-2016

Pramod Atluri since 03-2018

Mark Casey since 10-2019

Ritchie Tuazon since 10-2020

Jin Lee since 03-2023

Chit Purani since 03-2023

#### **Quantitative Screens**

Performance: The fund has finished in the Allocation-50% to 70% Equity category's top three quartiles in 10 of the 10 years it's been in existence.

Management: The fund's management has been in place for 24.01 years.

Net Expense: The fund's expense ratio of 0.25 is
 75.96% lower than the Allocation-50% to 70% Equity
 category average.

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

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

### **ESG Metrics**

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





0.27

0.26

0.25

3-Year Risk Metrics

0.25

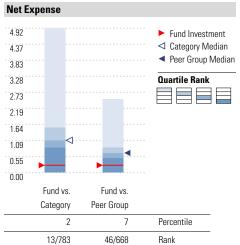
Expense Ratio

0.28

0.28

0.29

0.29



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

	Fund	Bmark	Cat
Alpha	1.66	-	0.04
Beta	0.95	-	1.01
R-Squared	96.84	-	94.21
Standard Deviation	13.31	13.72	14.31
Sharpe Ratio	0.33	0.21	0.20
Tracking Error	2.45	-	3.33
Information Ratio	0.65	-	-0.02
Up Capture Ratio	102.39	-	100.97
Down Capture Ratio	94.19	-	101.15

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	16.17	16.24	17.39
Price/Book Ratio	3.25	2.63	3.04
Avg Eff Duration	6.16	6.45	5.29

# American Funds American Balanced R6 RLBGX

Morningstar Category Allocation--50% to 70%

Equity

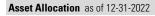
Morningstar Index

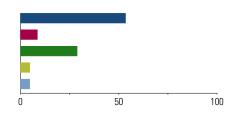
Morningstar US Mod Tgt Alloc NR USD

Style Analysis as of 12-31-2022

Morningstar Style Box™







Total	100.00	100.00
Other	4.64	3.51
Cash	4.63	6.22
Bonds	28.76	34.07
Non-US Stocks	8.55	9.75
US Stocks	53.42	46.45
Asset Class	Net %	Cat%

Sty	le	Breakdow	/n
_			





Weight %						
>50	25-50	10-25	0-10			

Fixed Ir	come		Quality H: gh
			h Mid
			Low
Ltd Duratio	Mod	Ext	J

		Fund	Bmark	Cat	Fund	ļ <b>7</b>	Bench	mark	Categ	jory Ave	erage	_	
Ն	Cyclical	27.33	32.81	31.62									
A.	Basic Materials	3.91	3.99	3.72									
<b>A</b>	Consumer Cyclical	8.68	10.16	10.21			<b>–</b> [	Ė					
ê	Financial Services	11.67	15.27	15.09				ľ					
æ	Real Estate	3.07	3.39	2.60		ľ							_
M	Sensitive	40.23	42.44	42.48									
	Communication Services	5.84	6.46	6.62									
ð	Energy	8.43	5.34	5.50									
Ф	Industrials	9.56	10.77	10.59					<u>.</u>				
	Technology	16.40	19.87	19.77					ď	<u>:</u>			
<b>→</b>	Defensive	32.44	24.73	25.91									
=	Consumer Defensive	11.78	7.41	7.08			<b>'</b>						
٠	Healthcare	18.66	14.20	15.59									
•	Utilities	2.00	3.12	3.24		i							

<b>Top 10 Holdings</b> as of 12-31-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Capital Group Central Cash Fund	_	7.80	7.80	_	_
⊖ Cap Grp Cent Fd Ser Ii	_	4.53	12.33	_	-
	-	3.34	15.67	-27.94	Technology
🕸 Cash And Other Assets Less Liablities	-	3.30	18.98	_	-
⊕ Broadcom Inc	-	2.74	21.71	-13.43	Technology
─ UnitedHealth Group Inc	_	2.54	24.25	6.86	Healthcare
→ Philip Morris International Inc	-	2.14	26.40	11.84	Consumer Defensive
→ Pfizer Inc	-	1.67	28.07	-10.52	Healthcare
⊕ The Home Depot Inc	_	1.50	29.57	-22.06	Consumer Cyclical
⊕ JPMorgan Chase & Co	_	1.30	30.87	-12.79	Financial Services

## **Total Holdings 2176**



# American Funds Europacific Growth R6 RERGX

Morningstar Category Foreign Large Growth Morningstar Index MSCI EAFE NR USD

### Portfolio Manager(s)

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

#### Quantitative Screens

- Performance: The fund has finished in the Foreign Large Growth category's top three quartiles in 9 of the 10 years it's been in existence.
- Management: The fund's management has been in place for 21.6 years.
- ◆ Net Expense: The fund's expense ratio of 0.46 is 56.19% lower than the Foreign Large Growth category average.

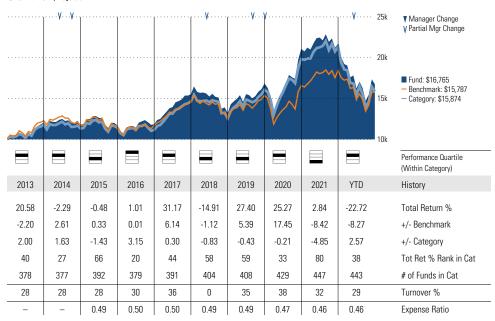
#### **Morningstar Investment Management LLC Analysis**

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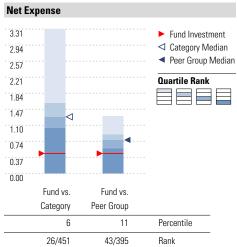
### **ESG Metrics**

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

### Growth of \$10,000



#### **Trailing Performance Total Return %** 20% as of 12-31-2022 10 ■ Fund Benchmark Category -10 -15 -20 -25 -30 Average annual, if greater than 1 year 3 Month 1 Year 10 year Since Inception 3 year 5 year Fund Return % 13.78 -22.72 -0.15 1.54 5.30 7.25 17.34 -14.45 0.87 1.54 4.67 8.22 Benchmark Return % 13.77 -25 29 0.04 2 11 5 26 Category Average % 53 38 58 61 40 % Rank in Category 451 399 346 230 # of Funds in Category



3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	-0.79	_	-0.67
Beta	1.01	_	0.98
R-Squared	91.00	_	83.89
Standard Deviation	21.45	20.25	21.69
Sharpe Ratio	0.06	0.10	0.06
Tracking Error	6.44	_	8.76
Information Ratio	-0.16	_	-0.10
Up Capture Ratio	98.98	_	99.00
Down Capture Ratio	102.68	_	102.84

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	16.86	12.65	19.09
Price/Book Ratio	2.77	1.56	2.99
Geom Avg Mkt Cap \$B	53.74	43.46	48.56
ROE	20.70	19.18	22.43





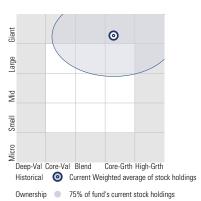
# American Funds Europacific Growth R6 RERGX

#### **Morningstar Category** Foreign Large Growth MSCI EAFE NR USD

# **Morningstar Index**

# Style Analysis as of 12-31-2022

Morningstar Style Box™



# Style Breakdown

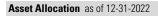
Equity

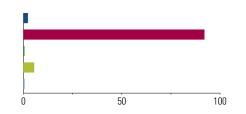
14	32	44	Large
1	3	7	Mid
0	0	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10





Total	100.00	100.00
Other	0.40	0.57
Cash	5.30	2.55
Bonds	0.30	0.00
Non-US Stocks	91.93	89.95
US Stocks	2.08	6.95
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Func	1 1	Bench	mark	Cated	ory Ave	rage			
Դ	Cyclical	35.33	39.68	34.80						, ,			-	
A.	Basic Materials	8.62	7.81	6.34			•							
A	Consumer Cyclical	12.92	10.37	12.95			7							
æ	Financial Services	13.14	18.69	14.78					7					
ŵ	Real Estate	0.65	2.81	0.73	•	'								
W	Sensitive	41.86	32.96	39.26								1		
	Communication Services	3.18	4.93	4.06										
•	Energy	10.26	5.06	4.02				į						
Ф	Industrials	13.77	14.88	15.97				<b>=</b> [						
	Technology	14.65	8.09	15.21			<b>v</b>				_			
<b>→</b>	Defensive	22.81	27.36	25.95					•					
Ħ	Consumer Defensive	7.36	10.37	9.63			ı []							
+	Healthcare	14.30	13.71	15.46			:							
•	Utilities	1.15	3.28	0.86	i	*								

## World Regions % Equity 12-31-2022



Greater Asia	Fund % 39.67	Cat % 27.34
Japan	11.95	11.60
Australasia	3.47	1.96
Asia-4 Tigers	9.99	6.01
Asia-ex 4 Tigers	14.26	7.77
Not Classified	0.00	0.00

Americas	Fund % 14.15	Cat % 14.74	Greater Europe	Fund % 46.17	Cat % 57.92	Market Maturity	Fund %
North America	10.30	12.78	United Kingdom	7.22	12.49	Developed Markets	81.66
Central/Latin	3.85	1.96	W euro-ex UK	37.92	44.80	Emerging Markets	18.34
			Emrgng Europe	0.04	0.02	Not Available	0.00
			Africa	0.99	0.61		

<b>Top 10 Holdings</b> as of 12-31-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Capital Group Central Cash Fund	5.79	5.79	_	_
⊕ Novo Nordisk A/S Class B	3.69	9.49	29.55	Healthcare
⊕ Reliance Industries Ltd	3.08	12.57	7.86	Energy
⊕ LVMH Moet Hennessy Louis Vuitton SE	2.80	15.37	-4.83	Consumer Cyclical
	2.40	17.77	-28.16	Technology
⊕ Canadian Natural Resources Ltd	2.33	20.11	39.75	Energy
⊕ AIA Group Ltd	2.19	22.30	17.53	Financial Services
	2.12	24.42	0.80	Industrials
→ Daiichi Sankyo Co Ltd	2.07	26.49	35.92	Healthcare
	1.89	28.38	-25.28	Technology

## Total Holdings 369

# American Funds Growth Fund of Amer R6 RGAGX

Morningstar Category Large Growth

Morningstar Index

Russell 1000 Growth TR USD

### Portfolio Manager(s)

Donald O'Neal since 11-1993

J. Frank since 11-2001

Lawrence Solomon since 05-2010

Martin Romo since 11-2010

Carl Kawaja since 11-2010

Mark Casey since 11-2012

Alan Wilson since 11-2012

Anne-Marie Peterson since 07-2013

Christopher Buchbinder since 11-2013

Joanna Jonsson since 03-2016

Alex Popa since 10-2016

Andraz Razen since 03-2020

Julian Abdey since 11-2021

#### **Quantitative Screens**

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

Management: The fund's management has been in place for 29.18 years.

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

Net Expense: The fund's expense ratio of 0.3 is 68.75% lower than the Large Growth category average.

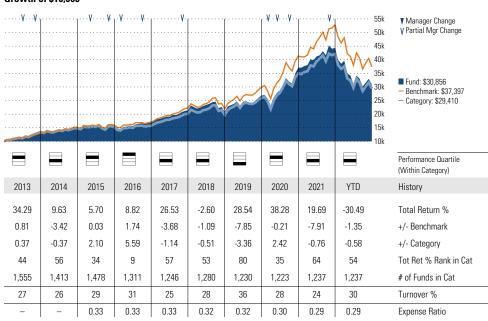
### **Morningstar Investment Management LLC Analysis**

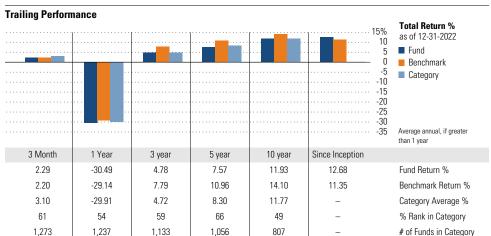
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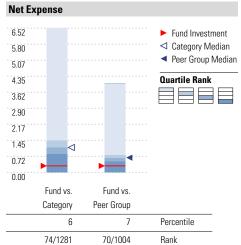
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	1	01-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	04-07-2022

### Growth of \$10,000







3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	-2.42	_	-2.73
Beta	0.94	_	0.97
R-Squared	95.88	_	93.03
Standard Deviation	22.77	23.80	24.00
Sharpe Ratio	0.28	0.39	0.27
Tracking Error	4.86	_	6.26
Information Ratio	-0.62	_	-0.62
Up Capture Ratio	84.41	_	89.56
Down Capture Ratio	90.47	-	97.48

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	18.43	24.23	23.83
Price/Book Ratio	3.93	8.23	6.53
Geom Avg Mkt Cap \$B	99.09	222.04	263.75
ROE	25.36	41.41	37.70



# American Funds Growth Fund of Amer R6 RGAGX

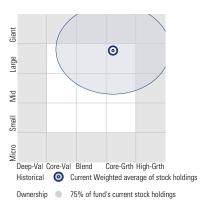
# Morningstar Category Large Growth

# Morningstar Index

# Russell 1000 Growth TR USD

# Style Analysis as of 12-31-2022

Morningstar Style Box™



# Style Breakdown

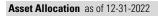
Equity

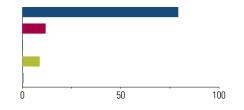
10	23	41	raige
4	9	10	IVIIO
1	1	1	ollidii

Value Blend Growth

Weight %

>50 25-50 10-25 0-10





Total	100.00	100.00
Other	0.49	0.80
Cash	8.62	1.70
Bonds	0.12	0.02
Non-US Stocks	11.64	4.43
US Stocks	79.13	93.06
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 12-3	31-2022			
		Fund	Bmark	Cat	Fund Benchmark Category Average
Դ	Cyclical	29.80	23.90	28.54	
A	Basic Materials	3.16	1.27	1.48	
A	Consumer Cyclical	17.23	13.83	15.14	
<b>P</b>	Financial Services	9.22	7.14	10.27	
π	Real Estate	0.19	1.66	1.65	
W	Sensitive	47.96	55.91	50.56	
	Communication Services	9.65	6.69	8.92	
•	Energy	5.88	1.71	2.20	
Ф	Industrials	10.82	8.50	6.49	
	Technology	21.61	39.01	32.95	
<b>-</b>	Defensive	22.23	20.18	20.90	
Ħ	Consumer Defensive	3.53	6.72	4.26	
٠	Healthcare	17.52	13.40	16.09	
•	Utilities	1.18	0.06	0.55	<u> </u>
					0% 5 10 15 20 25 30 35 40 45 50 55 60

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Capital Group Central Cash Fund	8.75	8.75	_	_
	5.48	14.23	-27.94	Technology
→ UnitedHealth Group Inc	3.40	17.63	6.86	Healthcare
⊕ Broadcom Inc	2.67	20.30	-13.43	Technology
⊕ Amazon.com Inc	2.37	22.67	-49.62	Consumer Cyclical
	2.04	24.70	-64.22	Communication Svc
Netflix Inc	1.91	26.61	-51.05	Communication Svc
⇒ Alphabet Inc Class C	1.87	28.48	-38.67	Communication Svc
	1.61	30.10	-2.68	Financial Services
∃ Tesla Inc     ■ Tes	1.52	31.62	-65.03	Consumer Cyclical
⊕ General Electric Co	1.35	32.97	-10.97	Industrials
	1.26	34.23	-17.29	Healthcare
⇒ Alphabet Inc Class A	1.23	35.46	-39.09	Communication Svc
⊕ Eli Lilly and Co	1.15	36.61	33.86	Healthcare
Carrier Global Corp Ordinary Shares	1.13	37.74	-22.78	Industrials

Total Holdings 370



# American Funds Invmt Co of Amer R6 RICGX

Morningstar Category

Large Blend

Morningstar Index S&P 500 TR USD

### Portfolio Manager(s)

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

#### **Quantitative Screens**

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

Management: The fund's management has been in place for 30.85 years.

Net Expense: The fund's expense ratio of 0.27 is 64.94% lower than the Large Blend category average.

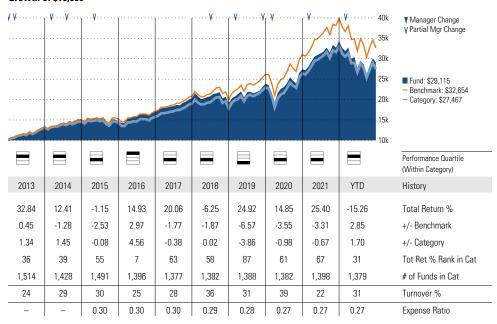
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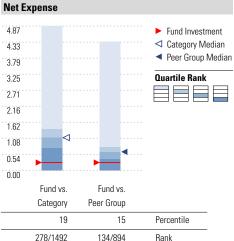
### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	1	01-31-2023
Carbon Risk Score	Low Risk	12-31-2022

# Growth of \$10,000

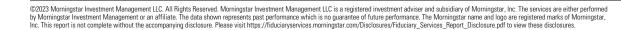






3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	-0.22	_	-0.68
Beta	0.91	_	0.96
R-Squared	97.61	_	95.98
Standard Deviation	19.53	21.16	20.73
Sharpe Ratio	0.39	0.41	0.36
Tracking Error	3.55	_	3.95
Information Ratio	-0.22	_	-0.83
Up Capture Ratio	92.10	_	94.55
Down Capture Ratio	93.08	_	96.96

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	17.59	19.03	18.29
Price/Book Ratio	3.17	3.59	4.14
Geom Avg Mkt Cap \$B	138.42	161.22	211.02
ROE	25.60	31.17	36.63





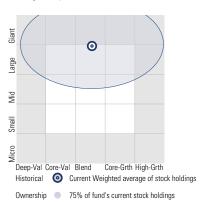
# American Funds Invmt Co of Amer R6 RICGX

# Morningstar Category Large Blend

Morningstar Index S&P 500 TR USD

# Style Analysis as of 12-31-2022

Morningstar Style Box™



# Style Breakdown

Equity

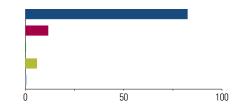
1. /			
19	35	31	Large
6	6	3	Mid
0	0	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

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



Total	100.00	100.00
Other	0.35	1.10
Cash	5.72	0.45
Bonds	0.12	0.84
Non-US Stocks	11.44	2.81
US Stocks	82.37	94.79
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund	4	▼ Ron	chmark	Πc	ategory	Avora	no			
ղ,	Cyclical	25.76	28.72	29.35	Tun	1	Dell	CHIHAIK	[] Oc	itegory	Avera;	ye :			
	Basic Materials	4.56	2.46	2.84	1						U;				
<u>—</u>	Consumer Cyclical	7.75	9.56	9.83			· ń								
	Financial Services	11.49	13.89	14.27			- !	ħ							
è	Real Estate	1.96	2.81	2.41		'		<u>.</u>							
M	Sensitive	46.22	44.59	44.38											
đ	Communication Services	8.05	7.28	7.09		1									
•	Energy	6.35	5.23	4.38											
<b>Ģ</b>	Industrials	14.57	9.06	10.44		-									
3	Technology	17.25	23.02	22.47						]					
<b>→</b>	Defensive	28.02	26.69	26.28											
7	Consumer Defensive	9.13	7.61	7.43											
ř	Healthcare	14.22	15.90	16.05				<b>—</b> [							
•	Utilities	4.67	3.18	2.80											
					0%	5	10	15	20	25	30	35	40	45	5

Top 15 Holdings as of 12-31-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
	6.47	6.47	-27.94	Technology
○ Capital Group Central Cash Fund	5.60	12.07	-	_
⊕ Broadcom Inc	4.08	16.15	-13.43	Technology
⊕ General Electric Co	3.43	19.58	-10.97	Industrials
⊕ British American Tobacco PLC	2.52	22.10	28.91	Consumer Defensive
Philip Morris International Inc	2.42	24.51	11.84	Consumer Defensive
Abbott Laboratories	2.36	26.88	-20.66	Healthcare
UnitedHealth Group Inc	2.32	29.19	6.86	Healthcare
⊕ Raytheon Technologies Corp	2.30	31.49	19.78	Industrials
⊕ Comcast Corp Class A	2.05	33.54	-28.41	Communication Svc
⊕ Mastercard Inc Class A	1.71	35.24	-2.68	Financial Services
	1.70	36.95	-64.22	Communication Svc
Linde PLC	1.70	38.65	-4.49	Basic Materials
⇒ Apple Inc	1.69	40.34	-26.32	Technology
Netflix Inc	1.59	41.93	-51.05	Communication Svc

**Total Holdings 211** 



# American Funds New Perspective R6 RNPGX

Morningstar Category Global Large-Stock Growth

Morningstar Index MSCI ACWI NR USD

### Portfolio Manager(s)

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

#### **Quantitative Screens**

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

Management: The fund's management has been in place for 22.1 years.

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

Net Expense: The fund's expense ratio of 0.41 is 61.68% lower than the Global Large-Stock Growth category

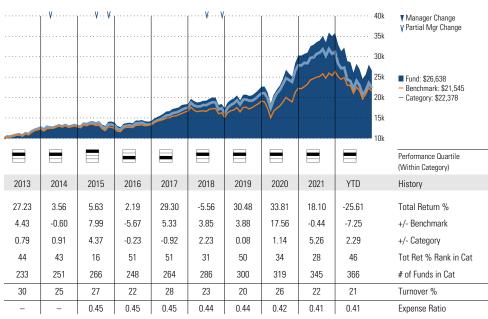
### **Morningstar Investment Management LLC Analysis**

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

### **ESG Metrics**

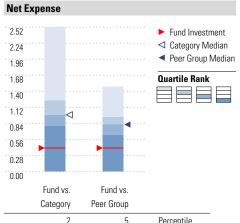
Metric	Rating	Updated
Sustainability Rating	2	01-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	2-Basic	02-15-2022

### Growth of \$10,000



### **Trailing Performance**





	5/373	12/251	Rank
Peer group	is a subset of the	e category and	includes funds with the
same mana	gement style (ac	tive vs. passive	e) and similar share class
characteris	tice		

Rank

3-Year Kisk Metrics			
	Fund	Bmark	Cat
Alpha	1.39	-	-0.96
Beta	1.09	_	1.05
R-Squared	95.86	_	88.45
Standard Deviation	22.44	20.14	22.60
Sharpe Ratio	0.31	0.25	0.20
Tracking Error	4.91	_	7.63
Information Ratio	0.31	_	-0.10
Up Capture Ratio	113.11	_	103.42
Down Capture Ratio	108.91	_	108.20

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	18.19	15.37	22.05
Price/Book Ratio	3.14	2.37	3.99
Geom Avg Mkt Cap \$B	91.08	87.09	104.74
ROE	26.15	25.56	25.87



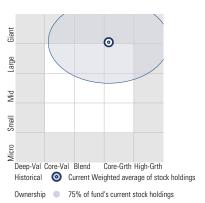
5/373

# American Funds New Perspective R6 RNPGX

# Morningstar CategoryMorningstar IndexGlobal Large-Stock GrowthMSCI ACWI NR USD

# Style Analysis as of 12-31-2022

Morningstar Style Box™



## Style Breakdown

Equity

Lquity			
15	27	42	Large
2	7	7	Mid
0	0	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10



Asset Allocation as of 12-31-2022



		Fund	Bmark	Cat	Fund	١ ١	Bench	mark	Cateo	jory Ave	rage	_		
<u></u>	Cyclical	31.85	34.06	31.13								- <b>*</b>		
A.	Basic Materials	6.17	4.82	3.10										
Д	Consumer Cyclical	12.06	10.06	12.26				]						
	Financial Services	12.86	16.40	14.68										
<b>fi</b>	Real Estate	0.76	2.78	1.09	•	<b>'</b>								
W	Sensitive	40.11	41.45	44.25										
	Communication Services	6.08	6.94	7.08										
•	Energy	5.41	5.61	2.28										
Ф	Industrials	11.03	10.27	10.95										
	Technology	17.59	18.63	23.94					ı '					
<b>—</b>	Defensive	28.05	24.48	24.62										
Ħ	Consumer Defensive	7.01	7.90	5.65			•							
+	Healthcare	19.71	13.46	17.68				· ·	()===					
•	Utilities	1.33	3.12	1.29		'								
					0%	5	10	15	20	25	30	35	40	45

50

## World Regions % Equity 12-31-2022



Greater Asia	Fund % 12.38	Cat % 14.33
Japan	3.41	4.39
Australasia	0.30	0.36
Asia-4 Tigers	6.05	3.98
Asia-ex 4 Tigers	2.62	5.60
Not Classified	0.00	0.00

Americas	Fund % 56.45	Cat % 60.78	Greater Europe	Fund % 31.17	Cat % 24.90	Market Maturity	Fund %
North America	54.43	59.21	United Kingdom	5.78	4.98	Developed Markets	95.03
Central/Latin	2.02	1.57	W euro-ex UK	24.78	19.72	Emerging Markets	4.97
			Emrgng Europe	0.00	0.02	Not Available	0.00
			Africa	0.61	0.18		

<b>Top 10 Holdings</b> as of 12-31-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
○ Capital Group Central Cash Fund	6.16	6.16	-	_
	3.90	10.06	-27.94	Technology
⊕ Novo Nordisk A/S Class B	2.39	12.45	29.55	Healthcare
	2.12	14.57	-25.28	Technology
⊖ Tesla Inc	1.54	16.11	-65.03	Consumer Cyclical
⊖ Eli Lilly and Co	1.49	17.60	33.86	Healthcare
⊕ AstraZeneca PLC	1.49	19.09	25.11	Healthcare
	1.46	20.55	17.53	Financial Services
⊕ Nestle SA	1.41	21.96	-14.50	Consumer Defensive
Broadcom Inc	1.30	23.26	-13.43	Technology

## Total Holdings 298

 $\oplus$  Increase  $\ominus$  Decrease  $\ref{eq:Decrease}$  New to Portfolio



# American Funds New World R6 RNWGX

Morningstar CategoryMorningstar IndexDiversified Emerging MktsMSCI EM NR USD

### Portfolio Manager(s)

Carl Kawaja since 06-1999
Robert Lovelace since 06-1999
Christopher Thomsen since 01-2009
Winnie Kwan since 01-2009
Tomonori Tani since 10-2013
Jonathan Knowles since 01-2016
Bradford Freer since 01-2017
Akira Shiraishi since 01-2017
Lisa Thompson since 10-2019
Kirstie Spence since 12-2019
Dawid Justus since 01-2020
Piyada Phanaphat since 01-2020

#### **Quantitative Screens**

- Performance: The fund has finished in the Diversified Emerging Mkts category's top three quartiles in 10 of the 10 years it's been in existence.
- Management: The fund's management has been in place for 23.56 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

  50.43% lower than the Diversified Emerging Mkts category
  average.

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

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

#### **ESG Metrics**

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







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

o rour mon montos			
	Fund	Bmark	Cat
Alpha	3.65	_	0.18
Beta	0.90	_	1.00
R-Squared	82.26	_	88.98
Standard Deviation	20.37	20.55	21.86
Sharpe Ratio	0.11	-0.07	-0.06
Tracking Error	8.83	_	7.01
Information Ratio	0.42	_	-0.06
Up Capture Ratio	102.25	_	102.04
Down Capture Ratio	88.61	_	102.20

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	16.62	10.62	11.64
Price/Book Ratio	2.75	1.56	1.80
Geom Avg Mkt Cap \$B	52.53	33.24	38.67
ROE	22.44	17.19	18.44

D 44 11 B4 4 1





# American Funds New World R6 RNWGX

#### Morningstar Index **Morningstar Category** Diversified Emerging Mkts MSCI EM NR USD

100.00

100.00

## Style Analysis as of 12-31-2022

Morningstar Style Box™



## Style Breakdown

Equity

. ,			
14	31	41	Large
3	5	6	Mid
0	1	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10



50



Total

100

		Fund	Bmark	Cat	Fund	▼ Ben	chmark	: [] Ca	ategory	Avera	ge		_	
b	Cyclical	40.45	46.30	45.30										
	Basic Materials	9.44	8.87	6.83		ď								
<b>P</b>	Consumer Cyclical	12.52	13.30	14.15			ı <u>"</u> []							
ê	Financial Services	16.73	22.17	22.56										
b	Real Estate	1.76	1.96	1.76										
NF	Sensitive	35.96	40.06	40.12								į		
	Communication Services	5.02	10.43	8.52										
•	Energy	5.22	5.05	5.06										
<b>‡</b>	Industrials	10.77	5.87	6.10										
1	Technology	14.95	18.71	20.44				•						
+	Defensive	23.60	13.65	14.57										
Ę	Consumer Defensive	6.85	6.29	7.69										
1	Healthcare	14.54	4.38	5.06										
?	Utilities	2.21	2.98	1.82										

## World Regions % Equity 12-31-2022



Greater Asia	Fund % 39.06	Cat % 74.74
Japan	2.68	0.09
Australasia	0.68	0.05
Asia-4 Tigers	7.33	24.78
Asia-ex 4 Tigers	28.37	49.82
Not Classified	0.00	0.00

Americas	Fund % 36.28	Cat % 14.72	Greater Europe	Fund % 24.67	Cat % 10.53	Market Maturity	Fund %
North America	27.26	3.11	United Kingdom	2.75	0.66	Developed Markets	60.61
Central/Latin	9.02	11.61	W euro-ex UK	19.48	1.79	Emerging Markets	39.39
			Emrgng Europe	0.24	1.33	Not Available	0.00
			Africa	2.20	6.75		

<b>Top 10 Holdings</b> as of 12-31-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Capital Group Central Cash Fund	5.06	5.06		_
	2.68	7.74	-27.94	Technology
⊕ Novo Nordisk A/S Class B	2.06	9.79	29.55	Healthcare
Kotak Mahindra Bank Ltd	2.02	11.81	1.73	Financial Services
Reliance Industries Ltd	1.92	13.73	7.86	Energy
Taiwan Semiconductor Manufacturing Co Ltd	1.78	15.51	-25.28	Technology
AIA Group Ltd	1.52	17.04	17.53	Financial Services
Airbus SE	1.43	18.47	0.80	Industrials
○ LVMH Moet Hennessy Louis Vuitton SE	1.38	19.85	-4.83	Consumer Cyclical
⊕ Thermo Fisher Scientific Inc	1.30	21.15	-17.29	Healthcare

## **Total Holdings** 577



# **Baird Aggregate Bond Inst** BAGIX

#### Morningstar Category Intermediate Core Bond

### Morningstar Index

Bloomberg US Agg Bond TR USD

### Portfolio Manager(s)

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

### **Quantitative Screens**

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

Management: The fund's management has been in place for 22.27 years.

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.3 is 46.43% lower than the Intermediate Core Bond category average.

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

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

#### **ESG Metrics**

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

### Growth of \$10,000



# **Trailing Performance**



Net Expe	ense		
4.62			► Fund Investment
4.11			Category Median
3.59			<ul> <li>Peer Group Median</li> </ul>
3.08			Quartile Rank
2.57			
2.05			
1.54			
1.03	⊲		
0.51		····	
0.00			
	Fund vs.	Fund vs.	
(	Category	Peer Group	
	25	35	Percentile
	124/503	145/417	Rank

3-Year hisk wetrics			
	Fund	Bmark	Cat
Alpha	0.38	-	0.03
Beta	1.05	-	1.00
R-Squared	96.52	_	92.92
Standard Deviation	6.23	5.85	6.12
Sharpe Ratio	-0.51	-0.58	-0.56
Tracking Error	1.19	-	1.54
Information Ratio	0.20	-	-0.09
Up Capture Ratio	112.62	-	104.58
Down Capture Ratio	106.03	-	103.15

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	6.17	4.43	6.05
Avg Eff Maturity	8.23	_	8.25



# **Baird Aggregate Bond Inst** BAGIX

Style Analysis as of 12-31-2022



Credit Rating Breakdown	Fund	Bmark	Cat
AAA	59.70	3.53	54.60
AA	3.80	74.59	8.55
A	12.70	10.82	17.15
BBB	23.50	8.32	16.13
BB	0.30	0.28	1.41
В	0.00	0.00	0.45
Below B	0.00	0.00	0.18
Not Rated	0.00	2.46	1.53

#### Asset Allocation as of 12-31-2022 Asset Class Net % Cat% US Stocks 0.10 0.00 Non-US Stocks 0.02 0.00 Bonds 98.68 95.92 Cash 1.33 2.10 Other 0.00 1.87 50 100 Total 100.00 100.00

**Morningstar Category** 

Intermediate Core Bond

**Morningstar Index** 

Bloomberg US Agg Bond TR USD

		ъ .	0 .		-		. По				
	Fund	Bmark	Cat	Fund	7 5	Benchma	ark [] Ca	ategory .	Average	n	
Government	25.92	-	30.92				:				
Treasury	25.90	_	25.72								
Inflation – Protected	0.00	_	1.34								
Agency/Quasi Agency	0.02	_	1.10	[ ]							
Other Government Related	0.00	_	2.76	[ [							
Corporate	39.80	_	25.82								
Corporate Bond	39.80	_	25.72								
Bank Loan	0.00	-	0.06								
Convertible	0.00	-	0.01	į							
Preferred	0.00	_	0.03								
Securitized	31.65	_	33.07								
Agency MBS Pass-Through	25.00	-	23.32								
Agency MBS ARM	0.00	_	0.33								
Agency MBS CMO	0.01	_	2.14								
Non-Agency Residential MBS	0.41	_	0.28								
Commercial MBS	0.00	_	0.67	[							
Asset-Backed	6.23	_	6.33								
Covered Bond	0.00	_	0.00								
Municipal	1.17	_	0.80	10							
Cash & Equivalents	1.47	-	6.78								
Other	0.00	_	2.62	i [							

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
United States Treasury Bonds 2.5%	02-2045	3.45	3.45	_
─ United States Treasury Bonds 2.88%	05-2043	2.55	6.00	_
⊕ United States Treasury Notes 1.13%	08-2028	2.18	8.18	_
United States Treasury Bonds 1.38%	11-2040	1.96	10.14	_
⊕ United States Treasury Notes 2.88%	06-2025	1.85	11.99	_
⊕ United States Treasury Notes 2.88%	05-2032	1.80	13.78	_
	02-2030	1.27	15.05	_
─ United States Treasury Notes 1.13%	10-2026	1.23	16.28	_
─ United States Treasury Notes 3%	06-2024	1.22	17.50	_
⊕ United States Treasury Notes 2.38%	03-2029	0.99	18.49	_

⊕ Increase ⊖ Decrease 🕸 New to Portfolio

Total Holdings 1584



# BlackRock High Yield Bond K BRHYX

Morningstar Category High Yield Bond Morningstar Index ICE BofA US High Yield TR USD

# Portfolio Manager(s)

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

#### **Quantitative Screens**

❷ 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 15.01 years.

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.49 is 44.94% lower than the High Yield Bond category average.

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

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

#### **ESG Metrics**

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

#### Growth of \$10,000 ▼ Manager Change V Partial Mgr Change Fund: \$15.157 - Benchmark: \$14,724 - Category: \$13,423 Performance Quartile (Within Category) 2013 2014 2015 2016 2017 2018 2019 2020 2021 YTD History 9.50 3.31 -3.96 14.01 8.31 -2.76 15.58 5.93 5.86 -10.34 Total Return % 0.81 0.50 2.08 0.68 -3.48 0.83 -0.50 1.17 -0.240.88 +/- Benchmark 1.84 2.60 2.20 0.05 0.71 -0.17 2.96 1.02 1.09 -0.25 +/- Category 12 12 52 41 14 50 13 36 21 41 Tot Ret % Rank in Cat

713

102

0.49

692

119

0.47

685

76

0.47

687

67

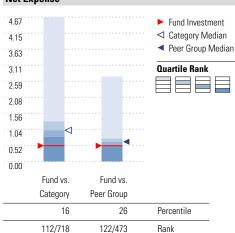
0.48

# of Funds in Cat

Turnover %

Expense 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.

3-1 cai nisk wietlics			
	Fund	Bmark	Cat
Alpha	0.42	_	-0.09
Beta	1.01	_	0.94
R-Squared	99.42	_	94.99
Standard Deviation	11.37	11.25	10.89
Sharpe Ratio	0.00	-0.04	-0.04
Tracking Error	0.87	_	2.51
Information Ratio	0.47	_	-0.11
Up Capture Ratio	100.19	_	92.06
Down Capture Ratio	97.09	_	93.01

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	0.02	-	3.39
Avg Eff Maturity	4.10	-	4.98



704

84

713

87

776

70

0.51

710

90

0.52

702

86

0.50

707

90

0.50

В

Below B

Not Rated

# BlackRock High Yield Bond K BRHYX

Style Analysis as of 12-31-2022
Style Breakdown
Fixed Income

Quality

Gradient Street Street

Duration			
Credit Rating Breakdown	Fund	Bmark	Cat
AAA	0.00	_	2.58
AA	0.00	_	0.16
А	1.00	_	0.28
BBB	14.00	_	5.54
DD	22 E2		20.20

47.46

0.00

4.00

#### Asset Allocation as of 12-31-2022 Asset Class Net % Cat% US Stocks 0.73 -0.52 Non-US Stocks 0.00 0.01 Bonds 92.46 93.67 Cash 1.25 1.76 Other 6.81 3.83 -50 50 100 Total 100.00 100.00

**Morningstar Category** 

High Yield Bond

**Morningstar Index** 

ICE BofA US High Yield TR USD

Sector Weighting as of 12-31-2022   Fund   Bmark   Cat   Fund   Benchmark   Category Average	
Coverament   Council   C	
Treasury         0.00         -         0.74         []           Inflation - Protected         0.00         -         0.00         []           Agency/Quasi Agency         0.01         -         0.10         []           Other Government Related         0.00         -         1.29         []           Corporate         94.46         -         90.06           Corporate Bond         83.53         -         83.01           Bank Loan         10.01         -         6.41           Convertible         0.92         -         0.52         []           Preferred         0.00         -         0.12         []	
Inflation - Protected	
Agency/Quasi Agency 0.01 - 0.10 [ Other Government Related 0.00 - 1.29   Corporate 94.46 - 90.06 Corporate Bond 83.53 - 83.01 Bank Loan 10.01 - 6.41 Convertible 0.92 - 0.52 [ Preferred 0.00 - 0.12 [	
Other Government Related         0.00         -         1.29         I]           Corporate         94.46         -         90.06           Corporate Bond         83.53         -         83.01           Bank Loan         10.01         -         6.41           Convertible         0.92         -         0.52           Preferred         0.00         -         0.12	
Corporate         94.46         -         90.06           Corporate Bond         83.53         -         83.01           Bank Loan         10.01         -         6.41           Convertible         0.92         -         0.52           Preferred         0.00         -         0.12	
Corporate Bond         83.53         -         83.01           Bank Loan         10.01         -         6.41           Convertible         0.92         -         0.52         []           Preferred         0.00         -         0.12         []	
Bank Loan       10.01       -       6.41	
Convertible 0.92 - 0.52 [] Preferred 0.00 - 0.12 []	
Preferred 0.00 - 0.12 [	
Securitized 0.22 – 1.25	
Agency MBS Pass-Through 0.00 - 0.03 [	
Agency MBS ARM 0.00 - 0.00 [	
Agency MBS CMO 0.00 - 0.04 [	
Non-Agency Residential MBS 0.00 - 0.05	
Commercial MBS 0.00 - 0.09 [	
Asset-Backed 0.22 – 1.04 [	
Covered Bond 0.00 - 0.00 [	
Municipal 0.00 - 0.03	
Cash & Equivalents 2.43 - 4.79 ■	
Other 2.89 – 1.73 🗓	

% Net Asset

 $0\% \ 5 \ 10 \ 15 \ 20 \ 25 \ 30 \ 35 \ 40 \ 45 \ 50 \ 55 \ 60 \ 65 \ 70 \ 75 \ 80 \ 85 \ 9095$ 

Fixed Income Sector

Cumulative %

<b>Top 0 Holdings</b> as of 12-31-2022	
Name	Maturity Date

37.21

12.21

3.75

Total Holdings 0



# PIMCO Commodity Real Ret Strat Instl PCRIX

Morningstar Category Commodities Broad Basket Morningstar Index

Bloomberg Commodity TR USD

# Portfolio Manager(s)

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

#### **Quantitative Screens**

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

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

Style Consistency is not calculated for Fixed Income funds.

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

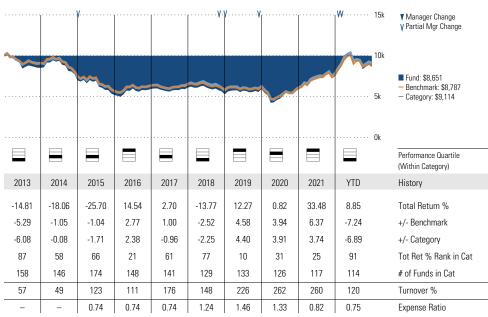
### **Morningstar Investment Management LLC Analysis**

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

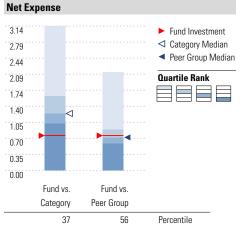
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	12-31-2022

# Growth of \$10,000







40/72 Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

Rank

3- Teal hisk wiellics			
	Fund	Bmark	Cat
Alpha	-0.73	_	0.33
Beta	1.17	_	1.03
R-Squared	95.84	_	85.73
Standard Deviation	22.31	18.64	21.05
Sharpe Ratio	0.65	0.69	0.67
Tracking Error	5.57	_	7.78
Information Ratio	0.17	_	0.09
Up Capture Ratio	113.44	_	102.74
Down Capture Ratio	116.12	_	103.18

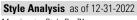
Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	12.32	_	7.93
Price/Book Ratio	1.51	_	1.87
Geom Avg Mkt Cap \$B	20.09	_	44.07
ROE	16.78	-	27.17



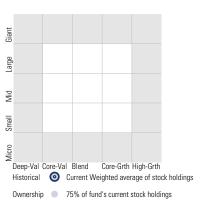
44/118

# PIMCO Commodity Real Ret Strat Instl PCRIX

# Morningstar Category Morningstar Index Commodities Broad Basket Bloomberg Commodity TR USD



Morningstar Style Box™



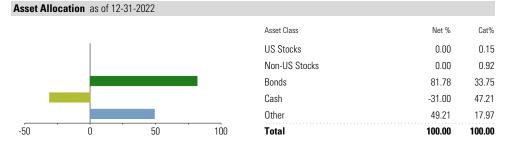


Equity



Value Blend Growth

Weight % >50 25-50 10-25 0-10



		Fund	Bmark	Cat	Fund	▼ Bei	nchmark	Cate	gory Av	/erage		
<b>Ն</b>	Cyclical	-	-	44.68								
÷.	Basic Materials	_	_	44.68								
<b>A</b>	Consumer Cyclical	_	_	0.00								
<del>,</del>	Financial Services	_	_	0.00	0							
æ	Real Estate	_	_	0.00								
W	Sensitive	-	-	51.07								
	Communication Services	_	_	0.00	ĺ							
ð	Energy	_	_	48.94								
Ф	Industrials	_	_	2.13								
	Technology	_	_	0.00	İ							
<b>—</b>	Defensive	-	-	4.26								
=	Consumer Defensive	_	_	4.26								
٠	Healthcare	_	_	0.00	ĺ							
•	Utilities	_	_	0.00	ĺ							

<b>Top 15 Holdings</b> as of 12-31-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ 5 Year Treasury Note Future Mar 23	24.31	24.31	_	_
	18.13	42.44	_	_
☆ Cash Offset	16.46	58.90	_	_
─ Euro Schatz Future Mar 23	13.61	72.51	_	_
─ United States Treasury Notes 0.125%	12.16	84.67	_	_
— 10 Year Treasury Note Future Mar 23	12.01	96.68	_	_
⊕ 3 Month Euribor TAS Future Mar 23	9.75	106.43	_	_
United States Treasury Notes 0.625%	9.70	116.12	_	_
─ U S TIPS REV REPO	9.31	125.43	_	_
⊕ U S TIPS REV REPO	8.88	134.31	_	_
⊕ TRS R 4.19/91282CDC2 MYC	7.79	142.10	_	_
⊕ Pimco Cayman Cmdty Fd Ltd Instl	7.24	149.34	_	_
⊕ United States Treasury Notes 0.125%	7.20	156.55	_	-
⊕ United States Treasury Notes 0.125%	6.28	162.82	_	_
US Treasury Bond Future Mar 23	5.85	168.67	_	_

**Total Holdings 874** 



# PIMCO Income Instl PIMIX

### Portfolio Manager(s)

Daniel Ivascyn since 03-2007 Alfred Murata since 03-2013 Joshua Anderson since 07-2018

#### **Quantitative Screens**

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

Management: The fund's management has been in place for 15.77 years.

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.51 is 47.96% lower than the Multisector Bond category average.

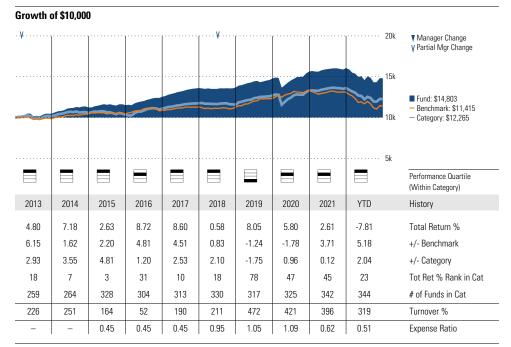
### **Morningstar Investment Management LLC Analysis**

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

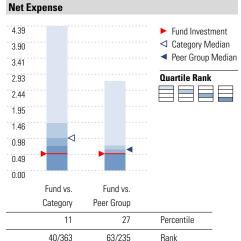
# Morningstar Category Multisector Bond

Morningstar Index

Bloomberg US Universal TR USD







3-Year RISK Wetrics			
	Fund	Bmark	Cat
Alpha	2.50	-	1.72
Beta	0.92	-	0.99
R-Squared	56.11	-	48.49
Standard Deviation	7.35	5.98	9.02
Sharpe Ratio	-0.08	-0.54	-0.16
Tracking Error	4.89	-	6.72
Information Ratio	0.52	-	0.28
Up Capture Ratio	104.42	-	109.62
Down Capture Ratio	75.32	-	91.61

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	3.83	4.55	4.04
Avg Eff Maturity	5.90	7.69	7.62



# PIMCO Income Insti PIMIX

Style Analysis as of 12-31-2022 Style Breakdown Fixed Income Quality High Mid MOT Mod Ext Duration

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	48.99	67.64	21.99
AA	4.79	3.23	3.50
A	4.16	10.03	8.36
BBB	14.85	10.89	22.10
BB	14.13	3.19	18.54
В	4.43	3.64	12.52
Below B	8.66	1.38	4.17
Not Rated	0.00	0.00	8.81

#### **Morningstar Category** Multisector Bond Bloomberg US Universal TR USD Asset Allocation as of 12-31-2022 Asset Class Net % Cat% US Stocks 1.15 1.19 Non-US Stocks 0.36 0.12 Bonds 129.67 92.17 Cash -31.68 5.44 Other 0.52 1.07 -50 Ó 50 100 150 Total 100.00 100.00

**Morningstar Index** 

Sector Weighting as of 12-3	31-2022											
	Fund	Bmark	Cat	Fund	•	Benchmark	Categ	jory Averaç	je			
Government	27.36	_	23.80									
Treasury	3.37	_	8.85									
Inflation – Protected	1.48	-	0.44	()								
Agency/Quasi Agency	0.18	_	0.82	1[]								
Other Government Related	22.33	_	13.69									
Corporate	5.98	_	40.90								į []	
Corporate Bond	4.47	_	36.75									
Bank Loan	1.18	_	2.65									
Convertible	0.04	_	0.83	[]								
Preferred	0.29	_	0.67	1								
Securitized	14.33	_	20.80									
Agency MBS Pass-Through	2.28	_	4.65									
Agency MBS ARM	0.00	_	0.01									
Agency MBS CMO	0.25	_	0.31									
Non-Agency Residential MBS	3.61	_	0.88		H							
Commercial MBS	0.02	_	2.33									
Asset-Backed	8.17	_	12.61									
Covered Bond	0.00	_	0.01									
Municipal	0.03	_	0.36									
Cash & Equivalents	29.48	_	10.50			0						
Other	22.36	-	3.53									
				0%	5	10 15	20	25	30	35	40	45

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
☆ Offset: Unsettled Trades	-	29.18	29.18	_
☆ Cash Offset	_	15.55	44.73	_
⊕ IRS USD 1.27000 11/04/22-1Y (WHT) LCH Pay	11-2023	14.02	58.75	_
⊕ IRS USD 1.27000 11/04/22-1Y (WHT) LCH Receive	11-2023	13.58	72.32	_
→ 10 Year Treasury Note Future Mar 23	03-2023	9.32	81.64	-
⊕ IRS EUR 2.95000 10/27/22-6Y* LCH Pay	03-2029	9.16	90.80	_
	12-2024	9.14	99.94	_
□ IRS USD 0.80000 12/14/21-3Y LCH Pay	12-2024	9.12	109.07	_
⊕ IRS EUR 2.95000 10/27/22-6Y* LCH Receive	03-2029	9.04	118.10	_
☐ IRS USD 0.80000 12/14/21-3Y LCH Receive	12-2024	8.45	126.55	_

Total Holdings 7956



# PIMCO International Bond (USD-Hdg) Instl PFORX

Morningstar Category Global Bond-USD Hedged Morningstar Index

Bloomberg US Agg Bond TR USD

### Portfolio Manager(s)

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

#### **Quantitative Screens**

✓ Performance: The fund has finished in the Global Bond-USD Hedged category's top three quartiles in 10 of the 10 years it's been in existence.

Management: The fund's management has been in place for 8.27 years.

Style Consistency is not calculated for Fixed Income funds.

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

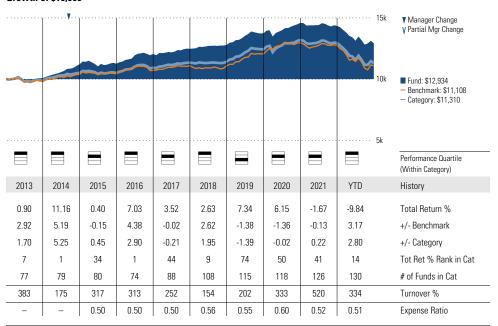
#### **Morningstar Investment Management LLC Analysis**

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

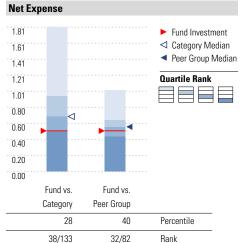
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	01-31-2023

### Growth of \$10,000







3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	-0.27	_	-0.56
Beta	0.63	_	0.91
R-Squared	58.03	_	66.59
Standard Deviation	4.88	5.85	6.52
Sharpe Ratio	-0.56	-0.58	-0.59
Tracking Error	3.82	_	4.06
Information Ratio	0.19	_	-0.06
Up Capture Ratio	69.91	_	100.72
Down Capture Ratio	71.23	_	104.53

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	6.13	4.43	6.94
Avg Eff Maturity	7.22	-	8.12

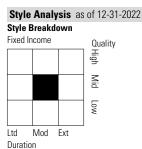


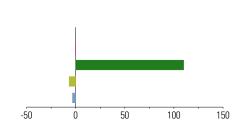
# PIMCO International Bond (USD-Hdg) Instl PFORX

Morningstar Category
Global Bond-USD Hedged

B

Morningstar Index Bloomberg US Agg Bond TR USD





Asset Allocation as of 12-31-2022

Asset Class	Net %	Cat%
US Stocks	0.00	0.00
Non-US Stocks	0.01	0.02
Bonds	109.83	88.81
Cash	-6.61	10.97
Other	-3.24	0.19
Total	100.00	100.00

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	56.80	3.53	41.60
AA	13.68	74.59	18.48
A	16.98	10.82	17.45
BBB	7.77	8.32	20.42
BB	1.88	0.28	5.05
В	0.65	0.00	1.34
Below B	2.24	0.00	0.54
Not Rated	0.00	2.46	-4.87

Sector Weighting as of 12-			_			_		По						
	Fund	Bmark	Cat	Fund		▼ Ben	chmark	: [] C	ategory	Avera	ge			
Government	40.62	-	46.89											
Treasury	5.10	-	37.06											
Inflation – Protected	0.41	_	1.11	1[										
Agency/Quasi Agency	1.49	_	4.02											
Other Government Related	33.62	_	4.70											
Corporate	3.60	-	11.17											
Corporate Bond	2.60	_	11.06											
Bank Loan	0.06	_	0.11											
Convertible	0.76	_	0.00	(iii										
Preferred	0.18	_	0.00	ĺ										
Securitized	8.07	-	3.99											
Agency MBS Pass-Through	2.80	_	1.71											
Agency MBS ARM	0.00	_	0.00	ĺ										
Agency MBS CMO	0.02	_	0.03											
Non-Agency Residential MBS	1.24	_	0.32	()										
Commercial MBS	0.25	_	0.23											
Asset-Backed	2.96	_	1.35											
Covered Bond	0.80	_	0.35	0										
Municipal	0.03	-	0.08											
Cash & Equivalents	31.75	-	23.52											
Other	15.04	-	14.33											
				0%	5	10	15	20	25	30	35	40	45	50

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⇒ 3 Month SOFR Future Dec 23	03-2024	23.07	23.07	_
⊕ IRS EUR 1.50000 03/15/23-5Y LCH Pay	03-2028	21.27	44.34	_
€ IRS EUR 1.50000 03/15/23-5Y LCH Receive	03-2028	19.56	63.90	_
€ Euro Schatz Future Mar 23	03-2023	15.07	78.96	_
€ 3 Month SOFR Future June 23	09-2023	13.57	92.54	-
3 Month SOFR Future June 24	09-2024	11.63	104.16	_
⊕ IRS EUR 1.75000 03/15/23-10Y LCH Pay	03-2033	10.93	115.09	_
→ RFR USD SOFR/1.75000 06/15/22-5Y LCH Pay	06-2027	10.68	125.77	_
Euro Bobl Future Mar 23	03-2023	9.90	135.67	_
RFR USD SOFR/1.75000 06/15/22-5Y LCH Receive	06-2027	9.79	145.46	_

Total Holdings 1646



# PIMCO Short-Term Instl PTSHX

Morningstar Category
Ultrashort Bond

Morningstar Index

Bloomberg US Agg Bond TR USD

### Portfolio Manager(s)

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

#### **Quantitative Screens**

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

Management: The fund's management has been in place for 12.01 years.

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.45 is 2.17% lower than the Ultrashort Bond category average.

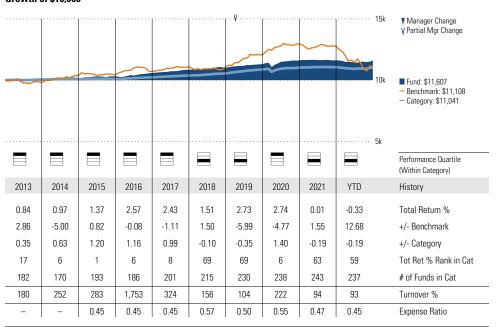
### **Morningstar Investment Management LLC Analysis**

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

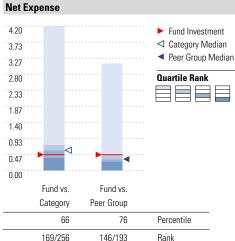
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	01-31-2023

### Growth of \$10,000







3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	1.15	_	0.76
Beta	0.10	_	0.12
R-Squared	5.26	_	17.12
Standard Deviation	2.47	5.85	1.94
Sharpe Ratio	0.02	-0.58	-0.30
Tracking Error	5.81	_	5.59
Information Ratio	0.62	_	0.56
Up Capture Ratio	25.96	_	22.64
Down Capture Ratio	8.66	_	11.26

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	0.09	4.43	0.72
Avg Eff Maturity	_	_	3 41

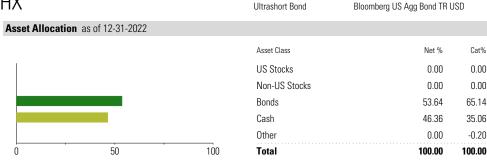




# PIMCO Short-Term Instl PTSHX

Style Analysis as of 12-31-2022						
Style Breakdown	Style Breakdown					
Fixed Income	Quality					
	High					
	Mid					
	Low					
Ltd Mod Ext						
Duration						

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	41.71	3.53	45.58
AA	3.49	74.59	9.37
A	25.35	10.82	22.58
BBB	28.42	8.32	16.39
BB	0.54	0.28	0.81
В	0.30	0.00	0.43
Below B	0.19	0.00	0.09
Not Rated	0.00	2.46	4.75



**Morningstar Category** 

Morningstar Index

	Fund	Bmark	Cat	Fund	▼ Benchma	ul. II Cata	gory Ave		
	Fund	Bmark		Funa		irk    Cate	gory Avei	rage	
Government	8.85	_	12.30						
Treasury	0.00	-	7.45	ļ					
Inflation – Protected	0.00	-	0.00	Ö					
Agency/Quasi Agency	1.84	_	2.01						
Other Government Related	7.01	_	2.84						
Corporate	26.43	-	32.21						
Corporate Bond	26.35	_	31.54						
Bank Loan	0.08	_	0.60	i0					
Convertible	0.00	_	0.07						
Preferred	0.00	_	0.00						
Securitized	15.46	-	24.02						
Agency MBS Pass-Through	0.18	_	2.37						
Agency MBS ARM	0.09	_	0.78						
Agency MBS CMO	1.62	-	2.51						
Non-Agency Residential MBS	1.13	-	0.34	()II					
Commercial MBS	0.00	-	0.40	0					
Asset-Backed	12.44	-	17.62						
Covered Bond	0.00	_	0.00						
Municipal	0.09	_	0.92	[					
Cash & Equivalents	41.63	_	30.48						
Other	7.09	_	0.06	1					

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
☆ Cash Offset	_	38.27	38.27	_
⊕ 3 Month SOFR Future June 23	09-2023	24.63	62.90	_
○ CDX IG39 5Y ICE	12-2027	23.56	86.46	_
— 2 Year Treasury Note Future Mar 23	04-2023	15.53	101.99	-
→ 5 Year Treasury Note Future Mar 23	04-2023	10.92	112.91	_
	09-2024	9.48	122.39	_
⊕ IRS USD R 3ML/1ML+9.75 01/13/22-23 CME Pay	01-2023	6.70	129.09	_
⊕ IRS USD R 3ML/1ML+9.75 01/13/22-23 CME Receive	01-2023	6.70	135.79	_
⊕ IRS USD R 3ML/1ML+9.8 01/13/22-23 CME Pay	01-2023	5.13	140.92	_
⊕ IRS USD R 3ML/1ML+9.8 01/13/22-23 CME Receive	01-2023	5.13	146.05	_

Total Holdings 1172



# Vanguard 500 Index Admiral VFIAX

# Morningstar Category Large Blend

Morningstar Index S&P 500 TR USD

### Portfolio Manager(s)

Donald Butler since 04-2016 Michelle Louie since 11-2017

#### Quantitative Screens

- Performance: The fund has finished in the Large Blend category's top three quartiles in 10 of the 10 years it's been in existence.
- Management: The fund's management has been in place for 6.68 years.
- Net Expense: The fund's expense ratio of 0.04 is 94.81% lower than the Large Blend category average.

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

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

#### **ESG Metrics**

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

### Growth of \$10,000



#### **Trailing Performance Total Return %** as of 12-31-2022 10 ■ Fund Benchmark 0 Category -5 -10 -15 Average annual, if greater than 1 year 3 Month 1 Year 3 year 10 year Since Inception 5 year Fund Return % 7.55 -18.15 7.62 9.39 12.52 6.85 10.61 7.56 -18.11 7.66 9.42 12.56 Benchmark Return % 8 27 -16 96 6 88 11.31 8 26 Category Average % 59 52 33 25 13 % Rank in Category 1.441 1.379 1.247 1.137 837 # of Funds in Category



3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	-0.04	_	-0.68
Beta	1.00	_	0.96
R-Squared	100.00	_	95.98
Standard Deviation	21.17	21.16	20.73
Sharpe Ratio	0.41	0.41	0.36
Tracking Error	0.01	_	3.95
Information Ratio	-3.96	_	-0.83
Up Capture Ratio	99.95	_	94.55
Down Capture Ratio	100.07	_	96.96

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	19.04	19.03	18.29
Price/Book Ratio	3.59	3.59	4.14
Geom Avg Mkt Cap \$B	161.35	161.22	211.02
ROE	31.18	31.17	36.63





# $\textbf{Vanguard 500 Index Admiral} \quad \forall \mathsf{FIAX}$

# Morningstar Category Large Blend

Morningstar Index S&P 500 TR USD

# Style Analysis as of 12-31-2022

Morningstar Style Box™



# Style Breakdown

Equity

16	30	38	Large
5	8	3	Mid
0	0	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

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



Total	100.00	100.00
Other	0.00	1.10
Cash	0.33	0.45
Bonds	0.00	0.84
Non-US Stocks	1.12	2.81
US Stocks	98.54	94.79
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 12-	31-2022			
		Fund	Bmark	Cat	Fund Benchmark Category Average
Դ	Cyclical	28.67	28.72	29.35	
A	Basic Materials	2.46	2.46	2.84	
A	Consumer Cyclical	9.57	9.56	9.83	
ı,	Financial Services	13.84	13.89	14.27	
命	Real Estate	2.80	2.81	2.41	
W	Sensitive	44.61	44.59	44.38	
	Communication Services	7.28	7.28	7.09	
•	Energy	5.24	5.23	4.38	
Ф	Industrials	9.06	9.06	10.44	
	Technology	23.03	23.02	22.47	
<b>-</b>	Defensive	26.71	26.69	26.28	
Ħ	Consumer Defensive	7.61	7.61	7.43	
+	Healthcare	15.91	15.90	16.05	
•	Utilities	3.19	3.18	2.80	
					0% 5 10 15 20 25 20 25 40 41

<b>Top 15 Holdings</b> as of 12-31-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
	6.03	6.03	-26.32	Technology
	5.55	11.58	-27.94	Technology
⊕ Amazon.com Inc	2.31	13.90	-49.62	Consumer Cyclical
⊕ Berkshire Hathaway Inc Class B	1.73	15.63	3.31	Financial Services
Alphabet Inc Class A	1.64	17.26	-39.09	Communication Svc
⊕ UnitedHealth Group Inc	1.54	18.80	6.86	Healthcare
	1.46	20.26	-38.67	Communication Svc
⊕ Johnson & Johnson	1.43	21.69	5.86	Healthcare
─ Exxon Mobil Corp	1.41	23.10	86.06	Energy
⊕ JPMorgan Chase & Co	1.22	24.32	-12.79	Financial Services
⊕ NVIDIA Corp	1.13	25.45	-50.26	Technology
⊕ Procter & Gamble Co	1.12	26.57	-5.14	Consumer Defensive
⊕ Visa Inc Class A	1.05	27.62	-3.40	Financial Services
⊕ Tesla Inc	1.03	28.64	-65.03	Consumer Cyclical
⊕ The Home Depot Inc	1.00	29.65	-22.06	Consumer Cyclical

Total Holdings 509



# Vanguard Inflation-Protected Secs Adm VAIPX

Morningstar Category
Inflation-Protected Bond

Morningstar Index Bloomberg US Treasury US TIPS TR USD

#### Portfolio Manager(s)

John Madziyire since 11-2021

#### **Quantitative Screens**

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

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

Style Consistency is not calculated for Fixed Income funds.

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

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

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

#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	01-31-2023

### Growth of \$10,000



### **Trailing Performance**





Peer group is a subset of the category and includes funds with the
same management style (active vs. passive) and similar share class $% \left( 1\right) =\left( 1\right) \left( 1\right) $
characteristics.

23/167

Rank

3-Year KISK Wetrics			
	Fund	Bmark	Cat
Alpha	-0.07	_	0.15
Beta	0.97	-	0.92
R-Squared	99.49	_	88.43
Standard Deviation	6.84	7.01	6.90
Sharpe Ratio	0.07	0.08	0.11
Tracking Error	0.52	_	2.51
Information Ratio	-0.20	_	-0.22
Up Capture Ratio	96.37	_	92.15
Down Capture Ratio	97.08	_	90.88

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	6.54	4.52	5.55
Avg Eff Maturity	7.10	_	6.37



21/218

# Vanguard Inflation-Protected Secs Adm VAIPX

Morningstar Category Inflation-Protected Bond **Morningstar Index** Bloomberg US Treasury US TIPS TR USD





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

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

	31-2022					_
	Fund	Bmark	Cat	Fund	▼ Benchmark	Category Average
Government	95.86	-	89.94			
Treasury	2.90	-	0.39			
nflation – Protected	92.96	-	84.49			
Agency/Quasi Agency	0.00	_	0.09			
Other Government Related	0.00	_	4.97	1 [		
Corporate	0.00	_	2.44	10		
Corporate Bond	0.00	_	2.29	10		
Bank Loan	0.00	_	0.15	0		
Convertible	0.00	_	0.00			
Preferred	0.00	_	0.00			
Securitized	0.00	-	3.50	i Di i		
Agency MBS Pass-Through	0.00	-	0.43			
Agency MBS ARM	0.00	-	0.00			
Agency MBS CMO	0.00	-	0.10			
Non-Agency Residential MBS	0.00	_	0.14			
Commercial MBS	0.00	_	0.39			
Asset-Backed	0.00	_	2.29	1		
Covered Bond	0.00	_	0.15	0		
Municipal	0.00	_	0.02			
Cash & Equivalents	4.15	_	3.04			
Other	0.00	_	1.07	0		

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

<b>Top 10 Holdings</b> as of 12-31-2022				
Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ Mktliq 12/31/2049	_	4.15	4.15	_
⊕ United States Treasury Notes	_	3.60	7.75	_
─ United States Treasury Notes	_	3.30	11.05	_
─ United States Treasury Notes	_	3.30	14.35	_
United States Treasury Notes	_	3.29	17.64	-
⊖ United States Treasury Notes	_	3.13	20.77	_
⊕ United States Treasury Notes	_	3.02	23.79	_
⊕ United States Treasury Notes	_	2.98	26.78	_
	_	2.96	29.74	_
─ United States Treasury Notes	_	2.95	32.69	_

Total Holdings 58



# Vanguard International Growth Adm VWILX

**Morningstar Category** Foreign Large Growth

Morningstar Index MSCI EAFE NR USD

### Portfolio Manager(s)

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

### **Quantitative Screens**

- Performance: The fund has finished in the Foreign Large Growth category's top three quartiles in 8 of the 10 years it's been in existence.
- Management: The fund's management has been in place for 13.02 years.
- Style: The fund has landed in its primary style box Large Growth — 100 % of the time over the past three
- Net Expense: The fund's expense ratio of 0.34 is 67.62% lower than the Foreign Large Growth category average.

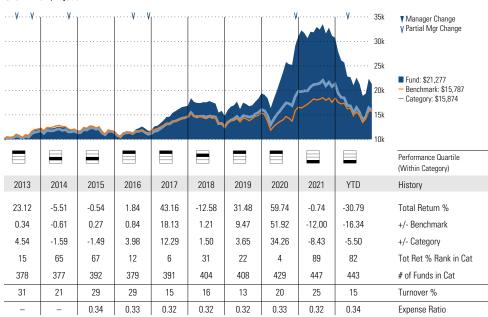
### **Morningstar Investment Management LLC Analysis**

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

#### **ESG Metrics**

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

### Growth of \$10,000



### **Trailing Performance**



#### **Net Expense** 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 n nn Fund vs Fund vs Peer Group Category Percentile

	18/451	27/395	Rank	
Peer grou	p is a subset of	the category an	ıd includes fun	ds with the
same mar	nagement style (	active vs. passi	ive) and simila	r share class
characteri	etice			

Rank

#### Fund **Bmark** Alpha 3.07 Beta 1 05 R-Squared 72.93

3-Year Risk Metrics

83.89 Standard Deviation 24 95 20.25 21 69 Sharpe Ratio 0.21 0.10 0.06 Tracking Error 13.02 8.76 Information Ratio 0.17 -0.10 Up Capture Ratio 103.23 99.00 Down Capture Ratio 95.06 102.84

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	17.02	12.65	19.09
Price/Book Ratio	3.11	1.56	2.99
Geom Avg Mkt Cap \$B	51.99	43.46	48.56
ROE	19.23	19.18	22.43



Cat

-0.67

0.98

18/451

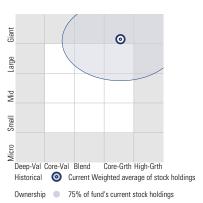
# Vanguard International Growth Adm VWILX

#### **Morningstar Category** Foreign Large Growth MSCI EAFE NR USD

# Morningstar Index

# Style Analysis as of 12-31-2022

Morningstar Style Box™



## Style Breakdown

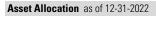
Equity

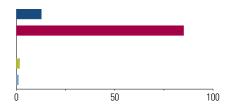
_qu.tj			
9	28	46	Large
3	7	8	Mid
0	0	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10





Total	100.00	100.00
Other	0.92	0.57
Cash	1.52	2.55
Bonds	0.00	0.00
Non-US Stocks	84.98	89.95
US Stocks	12.58	6.95
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 12-	31-2022											
		Fund	Bmark	Cat	Func	i v	Benchm	ark [] C	ategory	Average			
<u></u>	Cyclical	35.62	39.68	34.80									
A	Basic Materials	0.78	7.81	6.34			1						
A	Consumer Cyclical	23.86	10.37	12.95									
<del>,</del>	Financial Services	10.98	18.69	14.78					*				
命	Real Estate	0.00	2.81	0.73	[	1							
W	Sensitive	39.52	32.96	39.26								•	
d	Communication Services	7.11	4.93	4.06									
•	Energy	1.78	5.06	4.02				į					
Ф	Industrials	11.24	14.88	15.97									
	Technology	19.39	8.09	15.21			7						
<b>→</b>	Defensive	24.85	27.36	25.95									
Ħ	Consumer Defensive	5.19	10.37	9.63			0						
+	Healthcare	18.70	13.71	15.46		- :							
•	Utilities	0.96	3.28	0.86		7							
					0%	5	10	15	20	25	30	35	4

## World Regions % Equity 12-31-2022



Greater Asia	Fund % 30.58	Cat % 27.34	
Japan	7.30	11.60	
Australasia	0.78	1.96	
Asia-4 Tigers	7.53	6.01	
Asia-ex 4 Tigers	14.97	7.77	
Not Classified	0.00	0.00	

Americas	Fund % 19.40	Cat % 14.74	Greater Europe	Fund % 50.02	Cat % 57.92	Market Maturity	Fund %
North America Central/Latin	14.27 5.13	12.78 1.96	United Kingdom W euro-ex UK	6.21 42.70	12.49 44.80	Developed Markets Emerging Markets	79.91 20.09
, ,			Emrgng Europe Africa	0.00 1.11	0.02 0.61	Not Available	0.00

<b>Top 10 Holdings</b> as of 12-31-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
	5.08	5.08	-27.89	Technology
	4.15	9.23	-29.28	Healthcare
	3.98	13.21	-37.24	Consumer Cyclical
□ Tencent Holdings Ltd	3.71	16.92	-24.05	Communication Svc
⊕ Adyen NV	3.30	20.22	-43.57	Technology
	2.92	23.13	-25.28	Technology
○ Kering SA	2.77	25.90	-30.76	Consumer Cyclical
Genmab A/S	2.54	28.44	12.77	Healthcare
	2.50	30.95	-15.77	Consumer Cyclical
⊕ Vestas Wind Systems A/S	2.15	33.10	2.59	Industrials

## Total Holdings 146



# Vanguard International Value Inv VTRIX

**Morningstar Category** Foreign Large Value Morningstar Index MSCI EAFE NR USD

### Portfolio Manager(s)

Michael Bennett since 05-2010 Michael Fry since 05-2010 Steven Morrow since 08-2012 A. Rama Krishna since 12-2012 Arjun Kumar since 10-2020 Shirley Woo since 10-2020

#### **Quantitative Screens**

- Performance: The fund has finished in the Foreign Large Value category's top three quartiles in 8 of the 10 years it's been in existence.
- Management: The fund's management has been in place for 12.6 years.
- Net Expense: The fund's expense ratio of 0.36 is 63.27% lower than the Foreign Large Value category average.

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

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

#### **ESG Metrics**

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

### Growth of \$10,000



#### **Trailing Performance Total Return %** as of 12-31-2022 ■ Fund 10 Benchmark Category -5 Average annual, if greater than 1 year 3 Month 1 Year 10 year Since Inception 3 yea 5 year Fund Return % 15.76 -11.66 1.30 1.36 4.31 8.07 17.34 -14.45 0.87 1.54 4.67 8.22 Benchmark Return % 18 02 -9 N9 0.89 0.66 3 61 Category Average % 82 75 40 27 25 % Rank in Category 375 356 326 303 180 # of Funds in Category



3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	0.66	_	0.43
Beta	1.04	_	1.04
R-Squared	92.63	_	90.02
Standard Deviation	21.95	20.25	22.18
Sharpe Ratio	0.13	0.10	0.12
Tracking Error	6.02	_	7.29
Information Ratio	0.07	-	0.01
Up Capture Ratio	101.35	-	102.04
Down Capture Ratio	99.77	-	101.68

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	12.12	12.65	9.31
Price/Book Ratio	1.53	1.56	1.15
Geom Avg Mkt Cap \$B	28.83	43.46	32.72
ROE	16.05	19.18	17.40





# Vanguard International Value Inv VTRIX

# Morningstar CategoryMorningstar IndexForeign Large ValueMSCI EAFE NR USD

# Style Analysis as of 12-31-2022

Morningstar Style Box™



# Style Breakdown

Equity

27	36	17	Large
6	8	4	Mid
1	1	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10





Total	100 00	100 00
Other	0.00	0.19
Cash	4.06	1.66
Bonds	0.00	0.14
Non-US Stocks	92.25	95.13
US Stocks	3.70	2.88
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 12-3	31-2022												
		Fund	Bmark	Cat	Fund	•	Bench	mark	[] Categ	jory Ave	erage		_	
<u></u>	Cyclical	43.79	39.68	43.07										
Å.	Basic Materials	10.74	7.81	9.19										
A	Consumer Cyclical	16.72	10.37	10.30										
æ	Financial Services	15.12	18.69	22.00					1 0					
<b>fi</b>	Real Estate	1.21	2.81	1.58										
W	Sensitive	39.54	32.96	35.10										
0	Communication Services	6.97	4.93	6.46										
•	Energy	6.92	5.06	8.09		•								
¢	Industrials	17.44	14.88	14.13			- :							
	Technology	8.21	8.09	6.42			ľ							
<b>→</b>	Defensive	16.66	27.36	21.83										
Ħ	Consumer Defensive	6.21	10.37	7.98										
+	Healthcare	7.77	13.71	10.35			. [	'						
•	Utilities	2.68	3.28	3.50										
					0%	5	10	15	20	25	30	35	40	45

## World Regions % Equity 12-31-2022



	Fund %	Cat %
Greater Asia	40.34	31.96
Japan	10.52	17.50
Australasia	0.93	4.09
Asia-4 Tigers	12.63	7.20
Asia-ex 4 Tigers	16.26	3.17
Not Classified	0.00	0.00

Americas	Fund % 9.51	Cat % 8.66	Greater Europe	Fund % 50.14	Cat % 59.39	Market Maturity	Fund %
North America	6.06	7.54	United Kingdom	14.97	17.54	Developed Markets	79.78
Central/Latin	3.45	1.12	W euro-ex UK	34.57	41.25	Emerging Markets	20.22
			Emrgng Europe	0.00	0.13	Not Available	0.00
			Africa	0.60	0.47		

<b>Top 10 Holdings</b> as of 12-31-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
	3.37	3.37	_	_
⊕ Alibaba Group Holding Ltd Ordinary Shares	2.07	5.44	-25.68	Consumer Cyclical
⊕ AIA Group Ltd	1.81	7.25	17.53	Financial Services
⊕ BP PLC	1.61	8.86	40.92	Energy
	1.61	10.47	0.80	Industrials
	1.56	12.03	7.68	Basic Materials
	1.37	13.40	41.32	Energy
→ HSBC Holdings PLC	1.37	14.77	13.95	Financial Services
⇒ Sands China Ltd Shs Unitary 144A/Reg S	1.17	15.94	54.39	Consumer Cyclical
RELX PLC	1.16	17.10	-7.61	Communication Svc

## Total Holdings 224



# Vanguard Mid-Cap Growth Index Admiral VMGMX

# Morningstar Category Mid-Cap Growth

Morningstar Index

Russell Mid Cap Growth TR USD

### Portfolio Manager(s)

Donald Butler since 02-2013 Awais Khan since 07-2021 Aurélie Denis since 02-2023

#### **Quantitative Screens**

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

Management: The fund's management has been in place for 9.86 years.

Net Expense: The fund's expense ratio of 0.07 is 93.14% lower than the Mid-Cap Growth category average.

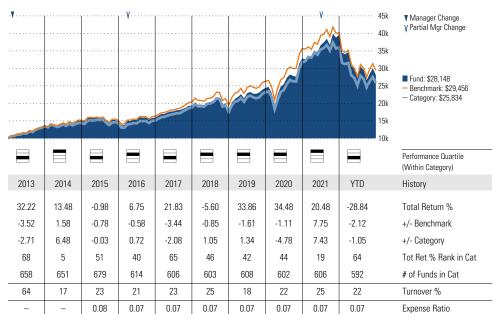
#### **Morningstar Investment Management LLC Analysis**

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

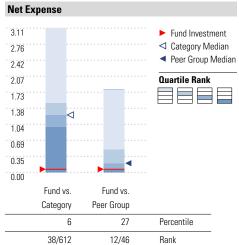
### **ESG Metrics**

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

### Growth of \$10,000



#### **Trailing Performance Total Return %** 15% as of 12-31-2022 10 ■ Fund Benchmark 0 Category -10 -15 -20 -25 -30 Average annual, if greater than 1 year 3 Month 1 Year 10 year Since Inception 3 yea 5 year Fund Return % 5.69 -28.84 4.86 7.81 10.90 11.37 6.90 -26.72 3.85 7.64 11.41 10.55 Benchmark Return % 5.07 -27 79 7.09 10.67 4 14 Category Average % 51 64 42 40 45 % Rank in Category 595 592 540 505 395 # of Funds in Category



3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	1.01	-	0.30
Beta	1.00	-	0.98
R-Squared	98.86	_	91.63
Standard Deviation	24.98	24.87	25.73
Sharpe Ratio	0.28	0.24	0.24
Tracking Error	2.67	-	7.31
Information Ratio	0.38	-	-0.10
Up Capture Ratio	102.23	-	99.65
Down Capture Ratio	99.40	_	99.89

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



# Vanguard Mid-Cap Growth Index Admiral VMGMX

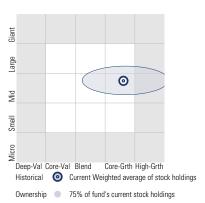
# Morningstar Category Mid-Cap Growth

Morningstar Index

Russell Mid Cap Growth TR USD

# Style Analysis as of 12-31-2022

Morningstar Style Box™



# Style Breakdown

Equity

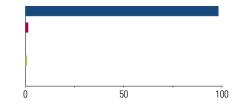
0	10	12	Large
2	32	43	MIG
0	0	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

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



Total	100.00	100.00
Other	0.00	0.44
Cash	0.66	2.48
Bonds	0.00	0.09
Non-US Stocks	1.25	3.72
US Stocks	98.09	93.28
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund	▼ Be	nchma	rk	Categ	ory A	/erage		
ŀ	Cyclical	27.75	27.21	28.68									
ė.	Basic Materials	3.87	2.81	2.25									
<b>A</b>	Consumer Cyclical	11.27	16.33	13.13									
<b>,</b>	Financial Services	5.49	5.91	9.97		0							
è	Real Estate	7.12	2.16	3.33									
M	Sensitive	54.62	52.02	47.54									
₫	Communication Services	4.72	3.33	2.83									
•	Energy	7.58	5.11	3.28									
Ф	Industrials	13.46	16.44	15.10			<b>I</b>						
	Technology	28.86	27.14	26.33									
<b>→</b>	Defensive	17.64	20.77	23.76				- : '					
=	Consumer Defensive	1.35	3.30	2.88									
٠	Healthcare	16.29	17.13	20.17			- i						
•	Utilities	0.00	0.34	0.71	i								

<b>Top 15 Holdings</b> as of 12-31-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
	1.66	1.66	-12.02	Technology
⊕ Cadence Design Systems Inc	1.62	3.28	-13.80	Technology
DexCom Inc	1.60	4.88	-15.64	Healthcare
⊕ Motorola Solutions Inc	1.58	6.46	-3.95	Technology
Devon Energy Corp	1.47	7.94	51.37	Energy
⊕ Realty Income Corp	1.46	9.40	-7.25	Real Estate
	1.44	10.84	93.60	Energy
⊕ Cintas Corp	1.43	12.27	2.85	Industrials
	1.42	13.69	-17.98	Technology
☐ IQVIA Holdings Inc	1.40	15.08	-27.38	Healthcare
○ Cheniere Energy Inc	1.37	16.45	49.23	Energy
⊕ Enphase Energy Inc	1.32	17.77	44.83	Technology
→ MSCI Inc	1.30	19.07	-23.33	Financial Services
Waste Connections Inc	1.25	20.32	-2.03	Industrials
⊕ TransDigm Group Inc	1.19	21.51	1.87	Industrials

Total Holdings 169



# Vanguard Mid-Cap Value Index Admiral VMVAX

Morningstar Category Mid-Cap Value

Morningstar Index

Russell Mid Cap Value TR USD

### Portfolio Manager(s)

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

#### **Quantitative Screens**

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

Management: The fund's management has been in place for 16.38 years.

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

Net Expense: The fund's expense ratio of 0.07 is 92.86% lower than the Mid-Cap Value category average.

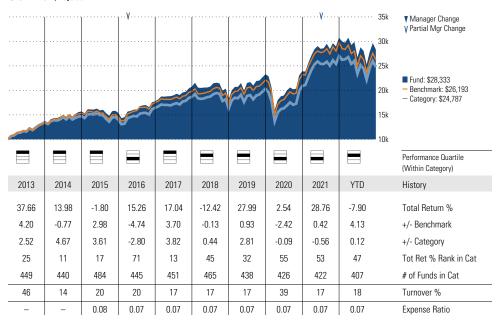
### **Morningstar Investment Management LLC Analysis**

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

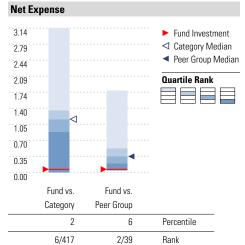
### **ESG Metrics**

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

### Growth of \$10,000



#### **Trailing Performance Total Return %** as of 12-31-2022 Fund Benchmark Category Average annual, if greater than 1 year 3 Month 1 Year 3 year 10 year Since Inception 5 year Fund Return % 12.11 -7.90 6.74 6.39 10.98 12.03 10.45 -12.03 5.82 5.72 10.11 11.21 Benchmark Return % 11.81 -8 N2 6.82 5 96 9 58 Category Average % 46 47 50 40 13 % Rank in Category 416 407 395 374 274 # of Funds in Category



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

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

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

M RNINGSTAR



# Vanguard Mid-Cap Value Index Admiral VMVAX

# Morningstar Category Mid-Cap Value

### Morningstar Index

Russell Mid Cap Value TR USD

# Style Analysis as of 12-31-2022

Morningstar Style Box™



# Style Breakdown

Equity

3	5	2	Large
39	47	3	Mid
0	0	0	Small
Value	Blend	Growth	

Weight %

>50 25-50 10-25 0-10





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

		Fund	Bmark	Cat	Fun	d	▼ Ben	chmar	k [] C	ategory	Avera	ge		
b	Cyclical	43.78	45.64	42.06									- i'	
ů.	Basic Materials	5.46	6.13	5.40										
4	Consumer Cyclical	8.42	10.44	11.17			<b>–</b> []							
<u></u>	Financial Services	19.07	17.74	19.04										
b	Real Estate	10.83	11.33	6.45										
NI	Sensitive	27.26	33.31	34.28										
	Communication Services	2.53	3.29	3.07										
9	Energy	4.62	5.54	6.21										
\$	Industrials	13.10	14.82	16.35				• [						
	Technology	7.01	9.66	8.65										
<b>→</b>	Defensive	28.95	21.05	23.65										
Ę	Consumer Defensive	6.87	4.43	6.57										
1	Healthcare	8.50	7.55	10.58										
?	Utilities	13.58	9.07	6.50			٧.							

<b>Top 15 Holdings</b> as of 12-31-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
○ Centene Corp	1.48	1.48	-0.47	Healthcare
○ Corteva Inc	1.35	2.83	25.55	Basic Materials
	1.27	4.10	12.32	Financial Services
	1.10	5.20	-22.78	Industrials
→ PG&E Corp	1.09	6.29	33.94	Utilities
○ Consolidated Edison Inc	1.08	7.36	15.41	Utilities
Nucor Corp	1.08	8.44	17.23	Basic Materials
→ Ameriprise Financial Inc	1.06	9.50	4.84	Financial Services
→ VICI Properties Inc Ordinary Shares	1.03	10.53	12.59	Real Estate
→ PACCAR Inc	0.99	11.52	16.88	Industrials
Keysight Technologies Inc	0.97	12.49	-17.16	Technology
∋ Dollar Tree Inc	0.95	13.44	0.65	Consumer Defensive
⊖ Rockwell Automation Inc	0.94	14.39	-24.86	Industrials
→ WEC Energy Group Inc	0.94	15.33	-0.41	Utilities
∃ Baker Hughes Co Class A	0.94	16.27	25.77	Energy

**Total Holdings 198** 



# Vanguard Real Estate Index Admiral VGSLX

Morningstar Category Real Estate Morningstar Index

S&P United States REIT TR USD

### Portfolio Manager(s)

Gerard O'Reilly since 05-1996 Walter Nejman since 05-2016

### Quantitative Screens

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

Management: The fund's management has been in place for 26.65 years.

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

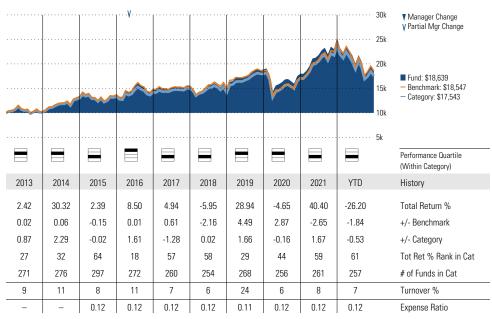
### **Morningstar Investment Management LLC Analysis**

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

### **ESG Metrics**

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

### Growth of \$10,000





155

214



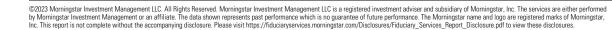
257

238

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

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	-0.52	_	-0.42
Beta	0.96	_	0.94
R-Squared	98.63	_	93.47
Standard Deviation	22.84	23.61	22.85
Sharpe Ratio	0.06	0.08	0.07
Tracking Error	2.82	_	5.57
Information Ratio	-0.15	_	-0.09
Up Capture Ratio	97.54	_	94.53
Down Capture Ratio	98.93	_	96.18

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



262



# of Funds in Category

# Vanguard Real Estate Index Admiral VGSLX

## Morningstar Category Morningstar Index Real Estate S&P United States REIT TR USD

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

Morningstar Style Box™



### Style Breakdown

Equity

-quit,			
3	8	25	raige
7	33	9	MIN
4	9	3	ollidii

Value Blend Growth

Weight %

>50 25-50 10-25 0-10





Total	100.00	100.00
Other	0.00	11.73
Cash	0.78	0.79
Bonds	0.00	3.52
Non-US Stocks	0.03	1.58
US Stocks	99.19	82.38
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund	▼ Benchmark	Category Average
÷	Cyclical	99.37	99.13	99.22			
ì.	Basic Materials	0.00	0.00	0.10			
•	Consumer Cyclical	0.00	0.13	0.91	i		
٥	Financial Services	0.03	0.00	0.22	İ		
b	Real Estate	99.34	99.00	97.99			
NF	Sensitive	0.62	0.87	0.74			
	Communication Services	0.57	0.00	0.20			
•	Energy	0.00	0.00	0.04			
<b>\$</b>	Industrials	0.00	0.87	0.30			
3	Technology	0.05	0.00	0.20			
<b>→</b>	Defensive	0.00	0.00	0.05			
7	Consumer Defensive	0.00	0.00	0.00			
ŀ	Healthcare	0.00	0.00	0.00			
9	Utilities	0.00	0.00	0.05			

<b>Top 15 Holdings</b> as of 12-31-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Vanguard Real Estate II Index	12.14	12.14	_	_
○ Prologis Inc	7.35	19.48	-31.17	Real Estate
	6.96	26.45	-25.57	Real Estate
⊖ Equinix Inc	4.21	30.66	-21.09	Real Estate
○ Crown Castle Inc	4.15	34.81	-32.16	Real Estate
	3.13	37.93	-19.55	Real Estate
	2.77	40.70	-7.25	Real Estate
⊖ Simon Property Group Inc	2.64	43.34	-22.15	Real Estate
	2.13	45.47	-27.21	Real Estate
─ Welltower Inc	2.07	47.54	-20.73	Real Estate
⊕ Digital Realty Trust Inc	1.94	49.47	-40.55	Real Estate
○ VICI Properties Inc Ordinary Shares	1.93	51.40	12.59	Real Estate
○ CBRE Group Inc Class A	1.75	53.15	-29.08	Real Estate
	1.62	54.77	-19.45	Real Estate
○ AvalonBay Communities Inc	1.59	56.36	-33.54	Real Estate

### **Total Holdings** 171



## Vanguard Small Cap Growth Index Admiral VSGAX

Morningstar Category

Small Growth

Morningstar Index

Russell 2000 Growth TR USD

### Portfolio Manager(s)

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

### **Quantitative Screens**

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

Management: The fund's management has been in place for 18.01 years.

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

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

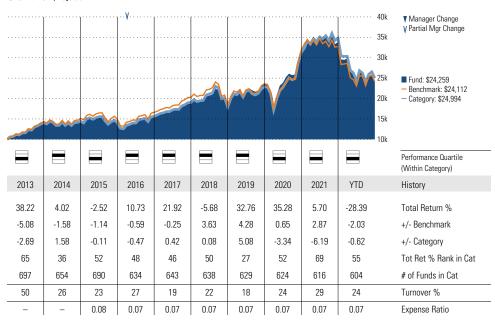
### **Morningstar Investment Management LLC Analysis**

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

### **ESG Metrics**

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

### Growth of \$10,000



#### **Trailing Performance Total Return %** 15% as of 12-31-2022 10 ■ Fund Benchmark 0 Category -10 -15 -20 -25 -30 Average annual, if greater than 1 year 3 Month 1 Year Since Inception 3 year 5 year 10 year 3.02 -28.39 0.79 5.10 9.27 10.51 Fund Return % 4.13 -26.36 0.65 3.51 9.20 9.20 Benchmark Return % -27 77 4.18 4 05 6 60 10.20 Category Average % 68 55 80 71 72 % Rank in Category 617 604 576 534 405 # of Funds in Category

		'	'
<b>Net Expe</b>	ense		
6.02			► Fund Investment
5.35			Category Median
4.68			<ul> <li>Peer Group Median</li> </ul>
4.01			Quartile Rank
3.34			
2.68			
2.01			
1.34	□ < □ < □		
0.67			
0.00		····	
1	Fund vs.	Fund vs.	
C	Category	Peer Group	
	1	25	Percentile
	7/623	8/33	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- Tear hisk Wellics			
	Fund	Bmark	Cat
Alpha	0.12	_	2.83
Beta	0.95	_	0.95
R-Squared	96.74	_	91.46
Standard Deviation	25.67	26.57	26.53
Sharpe Ratio	0.12	0.12	0.22
Tracking Error	4.82	_	7.92
Information Ratio	0.03	_	0.35
Up Capture Ratio	97.98	_	101.46
Down Capture Ratio	97.66	-	94.05

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



# Vanguard Small Cap Growth Index Admiral VSGAX

Morningstar Category

Small Growth

Morningstar Index

Russell 2000 Growth TR USD

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

Morningstar Style Box™



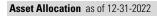
### Style Breakdown

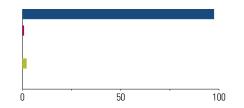
Equity

0	0	0	Large
1	17	20	Mid
5	28	28	Small
Value	Blend	Growth	

Weight %

>50 25-50 10-25 0-10





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

		Fund	Bmark	Cat	Fund	l	▼ Ben	chmarl	k [] (	Catego	ory Av	erag	е	
ŀ	Cyclical	24.85	22.65	25.63							]			
ů.	Basic Materials	2.23	4.78	2.79			į							
4	Consumer Cyclical	11.99	9.82	11.03										
ê	Financial Services	4.31	5.84	9.28		• '								
ŧ	Real Estate	6.32	2.21	2.53										
MI	Sensitive	49.44	47.52	46.46										
d	Communication Services	2.60	2.15	1.84			_							
	Energy	4.87	7.42	4.36		0	'		_					
¢	Industrials	15.87	17.17	17.68										
3	Technology	26.10	20.78	22.58					- '			<u>:</u>		
<b>→</b>	Defensive	25.72	29.82	27.91							[			
	Consumer Defensive	3.66	4.88	4.70		I [								
٠	Healthcare	21.48	23.09	22.23						[				
•	Utilities	0.58	1.85	0.98	• •									

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

Total Holdings 697



# Vanguard Small Cap Value Index Admiral VSIAX

**Morningstar Category** 

Morningstar Index

Russell 2000 Value TR USD

### Portfolio Manager(s)

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

### Quantitative Screens

- Performance: The fund has finished in the Small Value category's top three quartiles in 10 of the 10 years it's been in existence.
- Management: The fund's management has been in place for 6.68 years.
- Style: The fund has landed in its primary style box Small Value — 100 % of the time over the past three years.
- Net Expense: The fund's expense ratio of 0.07 is 93.86% lower than the Small Value category average.

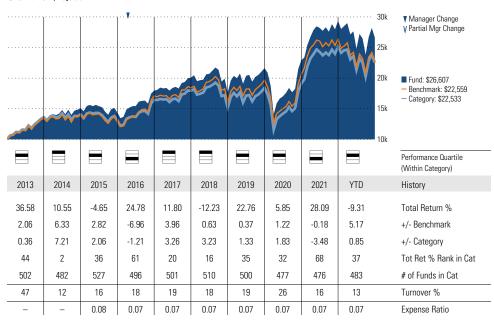
### **Morningstar Investment Management LLC Analysis**

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

### **ESG Metrics**

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

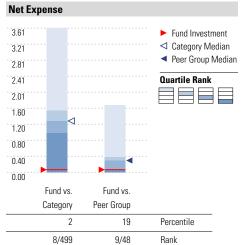
### Growth of \$10,000



#### **Trailing Performance Total Return %** as of 12-31-2022 ■ Fund Benchmark Category Average annual, if greater than 1 year 3 Month 1 Year 10 year Since Inception 3 yea 5 year 11.61 -9.31 7.13 5.79 10.28 11.70 Fund Return % 8.42 -14.48 4.70 4.13 8.48 12.09 Benchmark Return % -10 16 7.06 8 67 11.20 4 77 Category Average % 44 37 41 28 13 % Rank in Category

428

324



483

455

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

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	2.45	_	2.07
Beta	0.96	_	0.99
R-Squared	97.83	_	95.05
Standard Deviation	26.84	27.66	28.15
Sharpe Ratio	0.36	0.27	0.34
Tracking Error	4.11	_	6.45
Information Ratio	0.59	_	0.30
Up Capture Ratio	99.22	_	101.40
Down Capture Ratio	92.77	_	96.46

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	10.13	9.22	11.62
Price/Book Ratio	1.70	1.27	1.60
Geom Avg Mkt Cap \$B	4.90	1.83	3.75
ROE	18.23	7.83	16.18



# of Funds in Category

498

# Vanguard Small Cap Value Index Admiral VSIAX

# Morningstar Category Small Value

Morningstar Index

Russell 2000 Value TR USD

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

Morningstar Style Box™



## Style Breakdown

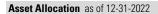
Equity

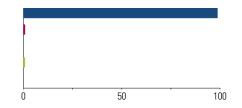
1. /			
0	0	0	Large
17	19	5	MIG
28	27	4	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10





Total	100.00	100.00
Other	0.00	-0.09
Cash	0.65	2.15
Bonds	0.00	0.01
Non-US Stocks	0.70	3.16
US Stocks	98.65	94.78
Asset Class	Net %	Cat%

		Fund	Dmark	Cat	Fund	- Dan	ما م م ما د	Пс	oton.	am. A.	erage		
_		Fund	Bmark		Fund	▼ Ben	Jilliark	. [] (	Jaceg	DIY AV	rerage		
Դ	Cyclical	50.02	53.37	51.23	•		1	1				1	4
æ.	Basic Materials	6.05	3.54	5.91		] [							
<b>A</b>	Consumer Cyclical	12.07	10.46	13.69									
	Financial Services	21.17	26.33	24.71									
<b>fi</b>	Real Estate	10.73	13.04	6.92									
W	Sensitive	34.67	27.36	35.63					•				
	Communication Services	1.99	2.76	1.82		_							
•	Energy	5.81	5.77	6.46									
Ф	Industrials	20.00	12.28	18.23				i					
	Technology	6.87	6.55	9.12									
<b>-</b>	Defensive	15.31	19.27	13.13			į						
Ħ	Consumer Defensive	4.57	3.50	4.03									
+	Healthcare	5.76	10.57	6.21									
•	Utilities	4.98	5.20	2.89									

<b>Top 15 Holdings</b> as of 12-31-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ IDEX Corp	0.67	0.67	-2.39	Industrials
Steel Dynamics Inc     ■     Steel Dynamics Inc     Steel Dynamic	0.63	1.30	59.59	Basic Materials
⊕ Atmos Energy Corp	0.61	1.91	9.62	Utilities
⊕ APA Corp	0.58	2.50	75.92	Energy
→ Bunge Ltd	0.58	3.07	9.33	Consumer Defensive
⊕ Howmet Aerospace Inc	0.57	3.64	24.13	Industrials
⊕ Booz Allen Hamilton Holding Corp Class A	0.54	4.18	25.30	Industrials
	0.52	4.71	_	-
⊕ First Horizon Corp	0.51	5.22	53.70	Financial Services
⊕ Kimco Realty Corp	0.51	5.72	-10.67	Real Estate
⊕ Gaming and Leisure Properties Inc	0.49	6.22	12.81	Real Estate
⊕ United Therapeutics Corp	0.49	6.71	28.70	Healthcare
→ Ovintiv Inc	0.49	7.20	53.29	Energy
⊕ RPM International Inc	0.49	7.69	-1.91	Basic Materials
⊕ Carlisle Companies Inc	0.47	8.16	-3.99	Industrials

### **Total Holdings 865**



## Vanguard Target Retirement 2020 Fund VTWNX

**Morningstar Category** Target-Date 2020

Morningstar Index Morningstar Lifetime Mod 2020 TR USD

### Portfolio Manager(s)

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

### **Quantitative Screens**

Performance: The fund has finished in the Target-Date 2020 category's top three quartiles in 10 of the 10 years it's been in existence.

Management: The fund's management has been in place for 9.86 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 0.08 is 86.21% lower than the Target-Date 2020 category average.

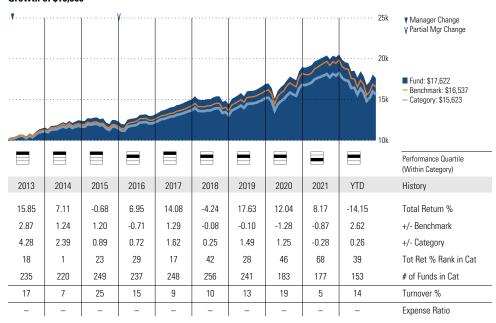
### **Morningstar Investment Management LLC Analysis**

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

### **ESG Metrics**

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

### Growth of \$10,000



### **Trailing Performance**

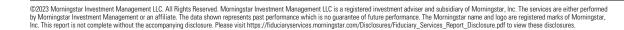


	'	'	'
Net Ex	pense		
1.99			► Fund Investment
1.77			Category Median
1.55			<ul> <li>Peer Group Media</li> </ul>
1.33			Quartile Rank
1.11			
0.88	<b>⊲</b>		
0.66			
0.44			
0.22			
0.00			
	Fund vs.	Fund vs.	
	Category	Peer Group	
	8	13	Percentile

	13/163	42/330	Rank	
Peer group	is a subset of th	ne category ar	nd includes fun	ds with the
same man	agement style (a	ctive vs. pass	ive) and simila	r share class
characteri	stics.			

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	0.42	_	0.27
Beta	0.90	_	0.91
R-Squared	98.38	_	96.66
Standard Deviation	11.48	12.59	11.69
Sharpe Ratio	0.10	0.07	0.08
Tracking Error	1.89	_	2.49
Information Ratio	0.21	_	0.13
Up Capture Ratio	91.02	_	90.94
Down Capture Ratio	88.48	_	89.35

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.72	15.30	15.60
Price/Book Ratio	2.21	2.27	2.39
Avg Eff Duration	6.02	-	5.80





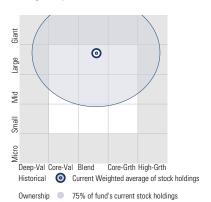
# **Vanguard Target Retirement 2020 Fund** VTWNX

**Morningstar Category** Target-Date 2020

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

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

Morningstar Style Box™



# Style Breakdown

	Lquity				1 1/
	17	27	29	Large	
ĺ	6	9	5	Mid	
İ	2	3	2	Small	
		D	0		

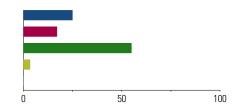
Value Blend Growth



Weight %

>50 25-50 10-25 0-10

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



Asset Class Net % Cat% US Stocks 24.85 26.29 Non-US Stocks 16.97 14.30 Bonds 54.88 48.18 Cash 3.27 3.07 Other 0.03 8.16 100.00 100.00 Total

Sec	ctor Weighting as of 12-3	31-2022			
		Fund	Bmark	Cat	Fund Benchmark Category Average
<u></u>	Cyclical	35.32	39.89	36.48	
A.	Basic Materials	5.06	4.78	4.61	
A	Consumer Cyclical	10.67	10.85	10.59	
æ	Financial Services	16.11	15.37	15.67	
侖	Real Estate	3.48	8.89	5.61	
W	Sensitive	41.62	36.08	40.26	
	Communication Services	6.40	4.91	6.15	
•	Energy	5.42	5.29	5.33	
Ф	Industrials	11.34	11.56	10.74	
	Technology	18.46	14.32	18.04	
<b>→</b>	Defensive	23.06	24.01	23.25	
Ħ	Consumer Defensive	7.24	7.20	6.90	
٠	Healthcare	12.80	13.43	13.28	
•	Utilities	3.02	3.38	3.07	
				<del></del>	0% 5 10 15 20 25 30 35 40 4

Top 7 Holdings as of 12-31-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⇒ Vanguard Total Bond Market II Idx Inv	_	31.67	31.67	_	_
⊕ Vanguard Total Stock Mkt Idx Instl Pls	_	25.18	56.85	_	-
⇒ Vanguard Total Intl Stock Index Inv	_	17.34	74.19	_	_
→ Vanguard Total Intl Bd II Idx Insl	_	13.77	87.97	_	_
⊕ Vanguard Shrt-Term Infl-Prot Sec ldx Adm	-	10.81	98.78	_	_
⊕ Mktliq 12/31/2049	-	1.20	99.98	_	_
⊕ Us Dollar	-	0.02	100.00	_	_

### Total Holdings 7



## Vanguard Target Retirement 2025 Fund VTTVX

**Morningstar Category** Target-Date 2025

Morningstar Index Morningstar Lifetime Mod 2025 TR USD

### Portfolio Manager(s)

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

### **Quantitative Screens**

Performance: The fund has finished in the Target-Date 2025 category's top three quartiles in 10 of the 10 years it's been in existence.

Management: The fund's management has been in place for 9.86 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 0.08 is 87.5% lower than the Target-Date 2025 category average.

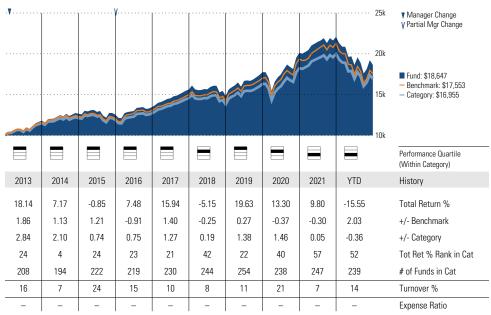
### **Morningstar Investment Management LLC Analysis**

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

### **ESG Metrics**

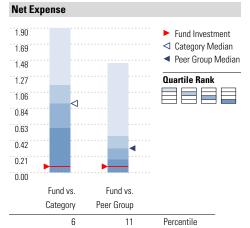
Metric	Rating	Updated
Sustainability Rating	3	01-31-2023
Carbon Risk Score	Low Risk	12-31-2022
FSG Commitment	1-l ow	02-15-2022

### Growth of \$10,000



### **Trailing Performance**





14/234	54/493	Rank	
Peer group is a subset of t	he category ar	nd includes funds with	the
same management style (a	active vs. pass	ive) and similar share o	lass
charactoristics			

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	0.63	_	0.42
Beta	0.96	_	0.91
R-Squared	98.69	_	97.41
Standard Deviation	13.38	13.79	12.71
Sharpe Ratio	0.12	0.08	0.10
Tracking Error	1.61	_	2.57
Information Ratio	0.39	_	0.20
Up Capture Ratio	98.65	_	92.41
Down Capture Ratio	95.32	_	90.14

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.69	15.14	15.55
Price/Book Ratio	2.20	2.24	2.39
Avg Eff Duration	6.50	-	-



# Vanguard Target Retirement 2025 Fund VTTVX

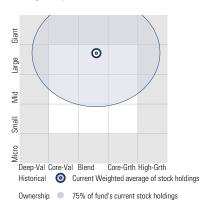
Asset Allocation as of 12-31-2022

### **Morningstar Category** Target-Date 2025

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

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

Morningstar Style Box™



#### Asset Class Net % Cat% US Stocks 31.84 29.29 Non-US Stocks 22.19 15.36 Bonds 42.94 41.59 Cash 2.99 3.29 Other 0.03 10.46 50 100.00 Total 100.00

### Style Breakdown

Equity				rixea	income
18	27	29	Large		
6	9	5	Mid		
2	3	2	Small		
Value	Blend	Growth		Ltd	Mod



Weight %

>50 25-50 10-25 0-10

		Fund	Bmark	Cat
<b>Դ</b>	Cyclical	35.39	39.82	36.05
÷.	Basic Materials	5.10	4.87	4.53
<b>A</b>	Consumer Cyclical	10.67	10.90	10.42
<del>,</del>	Financial Services	16.13	15.51	15.57
ŵ	Real Estate	3.49	8.54	5.53
Ma.	Sensitive	41.58	36.22	40.28
	Communication Services	6.39	4.95	6.20
ð	Energy	5.42	5.31	5.32
Ф	Industrials	11.36	11.67	10.67
1	Technology	18.41	14.29	18.09
<b>→</b>	Defensive	23.02	23.96	23.66
=	Consumer Defensive	7.24	7.22	7.04
٠	Healthcare	12.77	13.35	13.42
•	Utilities	3.01	3.39	3.20

<ul> <li>⊕ Vanguard Total Stock Mkt Idx Instl Pls</li> <li>⊕ Vanguard Total Bond Market II Idx Inv</li> <li>⊢ 28.14</li> <li>⊕ Ounguard Total Intl Stock Index Inv</li> <li>⊢ 22.68</li> <li>⊕ Vanguard Total Intl Bd II Idx Insl</li> <li>⊢ 12.13</li> <li>⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Adm</li> <li>⊢ 3.48</li> <li>⊕ Mktliq 12/31/2049</li> <li>⊢ 1.27</li> <li>⊕ 99.96</li> <li>⊢ -</li> </ul>	<b>Top 7 Holdings</b> as of 12-31-2022					
<ul> <li>⊕ Vanguard Total Bond Market II Idx Inv</li> <li>⊝ Vanguard Total Intl Stock Index Inv</li> <li>⊝ Vanguard Total Intl Stock Index Inv</li> <li>⊝ Vanguard Total Intl Bd II Idx Insl</li> <li>⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Adm</li> <li>− 3.48</li> <li>98.69</li> <li>− -</li> <li>⊕ Mktliq 12/31/2049</li> <li>− 1.27</li> <li>99.96</li> <li>− -</li> </ul>	Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
→ Vanguard Total Intl Stock Index Inv       -       22.68       83.07       -       -         → Vanguard Total Intl Bd II Idx Insl       -       12.13       95.21       -       -         ⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Adm       -       3.48       98.69       -       -         ⊕ Mktliq 12/31/2049       -       1.27       99.96       -       -	⊕ Vanguard Total Stock Mkt Idx InstI PIs	_	32.26	32.26	_	_
→ Vanguard Total Intl Bd II Idx Insl       -       12.13       95.21       -       -         ⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Adm       -       3.48       98.69       -       -         ⊕ Mktliq 12/31/2049       -       1.27       99.96       -       -	⊕ Vanguard Total Bond Market II Idx Inv	_	28.14	60.40	_	_
<ul> <li>→ Vanguard Shrt-Term Infl-Prot Sec Idx Adm</li> <li>→ Mktliq 12/31/2049</li> <li>→ 1.27</li> <li>→ 99.96</li> <li>→ -</li> </ul>	O Vanguard Total Intl Stock Index Inv	-	22.68	83.07	_	_
⊕ Mktliq 12/31/2049 - 1.27 99.96	─ Vanguard Total Intl Bd II Idx Insl	_	12.13	95.21	_	_
	⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	-	3.48	98.69	-	-
⊕ Us Dollar - 0.04 100.00	⊕ Mktliq 12/31/2049	-	1.27	99.96	_	_
0.01	⊕ Us Dollar	-	0.04	100.00	_	_

### Total Holdings 7



## Vanguard Target Retirement 2030 Fund VTHRX

**Morningstar Category** Target-Date 2030

Morningstar Index Morningstar Lifetime Mod 2030 TR USD

### Portfolio Manager(s)

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

### **Quantitative Screens**

Performance: The fund has finished in the Target-Date 2030 category's top three quartiles in 10 of the 10 years it's been in existence.

Management: The fund's management has been in place for 9.86 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 0.08 is 87.69% lower than the Target-Date 2030 category average.

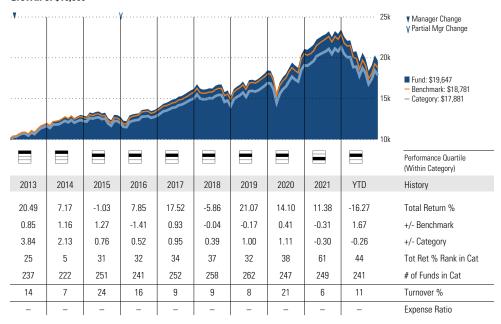
### **Morningstar Investment Management LLC Analysis**

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

### **ESG Metrics**

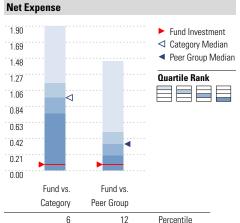
Metric	Rating	Updated
Sustainability Rating	3	01-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-l ow	02-15-2022

### Growth of \$10,000



### **Trailing Performance**





	14/237	50/421	Rank		
Peer gr	oup is a subset of	the category ar	nd includes fun	ds with the	
same management style (active vs. passive) and similar share class					
charac	torietice				

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	0.72	_	0.68
Beta	0.96	_	0.94
R-Squared	99.12	_	98.23
Standard Deviation	14.76	15.26	14.47
Sharpe Ratio	0.15	0.11	0.15
Tracking Error	1.50	_	2.29
Information Ratio	0.48	_	0.32
Up Capture Ratio	99.06	_	96.78
Down Capture Ratio	95.61	-	93.56

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.68	14.98	15.88
Price/Book Ratio	2.20	2.21	2.49
Avg Eff Duration	6.83	-	-



# Vanguard Target Retirement 2030 Fund VTHRX

Asset Allocation as of 12-31-2022

**Morningstar Category** Target-Date 2030

Asset Class

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

Net %

36.80

25.81

34.55

2.80

0.04

100.00

Cat%

36.59

17.80

31.05

2.53

12.02

100.00

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

Morningstar Style Box™



### US Stocks Non-US Stocks Bonds Cash Other 50 Total

### Style Breakdown

Equity				rixea	income
18	28	29	Large		
6	9	5	Mid		
2	3	2	Small		
Value	Blend	Growth		Ltd	Mod



### Weight %

>50 25-50 10-25 0-10

		Fund	Bmark	Cat	Fund	•	Bench	nmark	Cate	gory Ave	erage	
b	Cyclical	35.42	39.72	35.05								
A.	Basic Materials	5.11	4.97	4.44								
4	Consumer Cyclical	10.67	10.99	10.75								
÷	Financial Services	16.15	15.68	15.72			_					
ŧ	Real Estate	3.49	8.08	4.14		10	T .					
MI	Sensitive	41.57	36.34	40.98								
	Communication Services	6.39	4.97	6.27								
ð	Energy	5.43	5.33	5.25								
\$	Industrials	11.36	11.78	10.87								
2	Technology	18.39	14.26	18.59				•				
<b>→</b>	Defensive	23.02	23.94	23.97						<b>=</b> [		
=	Consumer Defensive	7.24	7.26	7.01								
۲	Healthcare	12.77	13.29	13.85				■ []				
?	Utilities	3.01	3.39	3.11		<b>"</b>						

<b>Top 6 Holdings</b> as of 12-31-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx InstI PIs	_	37.27	37.27	_	_
⊕ Vanguard Total Intl Stock Index Inv	-	26.38	63.65	_	-
⊕ Vanguard Total Bond Market II ldx Inv	-	24.64	88.29	_	-
─ Vanguard Total Intl Bd II Idx Insl	-	10.42	98.71	_	-
	-	1.27	99.98	-	_
⊕ Us Dollar	_	0.02	100.00	_	-

### Total Holdings 6



## Vanguard Target Retirement 2035 Fund VTTHX

**Morningstar Category** Target-Date 2035

Morningstar Index Morningstar Lifetime Mod 2035 TR USD

### Portfolio Manager(s)

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

### Quantitative Screens

Performance: The fund has finished in the Target-Date 2035 category's top three quartiles in 9 of the 10 years it's been in existence.

Management: The fund's management has been in place for 9.86 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 0.08 is 87.88% lower than the Target-Date 2035 category average.

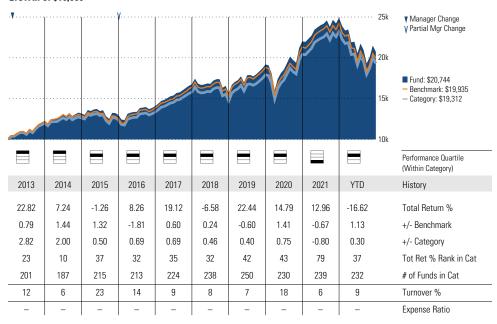
### **Morningstar Investment Management LLC Analysis**

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

### **ESG Metrics**

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

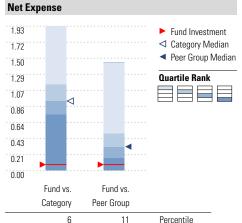
### Growth of \$10,000



### **Trailing Performance**



3-Year Risk Metrics



14/233	54/497	Rank				
Peer group is a subset of the category and includes funds with the						
same management style (active vs. passive) and similar share class						
characteristics						

	Fund	Bmark	Cat
Alpha	0.71	_	0.75
Beta	0.95	_	0.96
R-Squared	99.34	_	98.60
Standard Deviation	16.04	16.88	16.36
Sharpe Ratio	0.19	0.15	0.19
Tracking Error	1.58	_	2.15
Information Ratio	0.43	_	0.38
Up Capture Ratio	97.10	_	99.09
Down Capture Ratio	94.00	_	95.91

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.67	14.82	15.66
Price/Book Ratio	2.20	2.18	2.41
Avg Eff Duration	6.83	-	-



# Vanguard Target Retirement 2035 Fund VTTHX

Asset Allocation as of 12-31-2022

**Morningstar Category** Target-Date 2035

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

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

Morningstar Style Box™



#### Asset Class Net % Cat% US Stocks 42.99 40.88 Non-US Stocks 28.75 22.64 Bonds 27.40 20.95 Cash 2.93 2.82 Other 0.04 10.60 50 100.00 Total 100.00

### Style Breakdown

Equity				Fixed	Income	
18	28	29	Large			
6	9	5	Mid			
2	3	2	Small			
Value	Blend	Growth		Ltd	Mod	E:



### Weight %

>50 25-50 10-25 0-10

		Fund	Bmark	Cat	Fund	· h	Bencl	hmark	Cate	gory Ave	erage		
Ն	Cyclical	35.42	39.62	35.28						,			
A	Basic Materials	5.11	5.09	4.53									
A	Consumer Cyclical	10.67	11.07	10.72									
<del>,</del>	Financial Services	16.15	15.85	15.69									
ŵ	Real Estate	3.49	7.61	4.34		■[	*						
W	Sensitive	41.56	36.48	40.73								- 1	
d	Communication Services	6.39	5.00	6.28									
•	Energy	5.43	5.34	5.25									
Ф	Industrials	11.36	11.89	10.82			<b></b> 0	·					
	Technology	18.38	14.25	18.38									
<b>-</b>	Defensive	23.01	23.90	24.00									
Ħ	Consumer Defensive	7.24	7.28	7.02									
+	Healthcare	12.76	13.23	13.79				<b>■</b> []					
•	Utilities	3.01	3.39	3.19		đ i							

<b>Top 6 Holdings</b> as of 12-31-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx InstI PIs	_	41.41	41.41	_	_
◆ Vanguard Total Intl Stock Index Inv	-	29.39	70.80	_	-
⊕ Vanguard Total Bond Market II ldx Inv	-	19.62	90.42	_	_
Ovanguard Total Intl Bd II Idx Insl	_	8.18	98.60	_	_
→ Mktliq 12/31/2049	-	1.36	99.96	-	-
⊕ Us Dollar	_	0.04	100.00	_	_

### Total Holdings 6



## Vanguard Target Retirement 2040 Fund VFORX

Growth of \$10,000

238

9

222

6

251

21

241

16

**Morningstar Category** Target-Date 2040

Morningstar Index Morningstar Lifetime Mod 2040 TR USD

# of Funds in Cat

Turnover %

Expense Ratio

### Portfolio Manager(s)

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

### Quantitative Screens

Performance: The fund has finished in the Target-Date 2040 category's top three quartiles in 9 of the 10 years it's been in existence.

Management: The fund's management has been in place for 9.86 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 0.08 is 88.06% lower than the Target-Date 2040 category average.

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

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

### **ESG Metrics**

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

#### ▼ Manager Change V Partial Mgr Change ■ Fund: \$21,700 Benchmark: \$20,708 Category: \$19,774 15k 10k Performance Quartile (Within Category) 2013 2014 2015 2016 2017 2018 2019 2020 2021 YTD History 24.37 7.15 -1.59 8.73 20.71 -7.32 23.86 15.47 14.56 -16.98 Total Return % 1.64 1.24 0.84 0.33 -0.49 2.38 -0.79 0.39 1.32 -1.88 +/- Benchmark 4.40 1.90 0.42 0.91 -0.91 0.40 0.78 1.19 0.67 0.34 +/- Category 15 12 43 27 25 37 43 40 81 36 Tot Ret % Rank in Cat

262

5

241

13

243

7

236

7

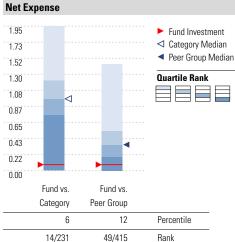
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258

8



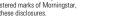


Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

3-Year Kisk Metrics			
	Fund	Bmark	Cat
Alpha	0.68	_	0.66
Beta	0.94	_	0.97
R-Squared	99.31	_	98.66
Standard Deviation	17.33	18.32	17.80
Sharpe Ratio	0.22	0.18	0.21
Tracking Error	1.78	_	2.24
Information Ratio	0.36	_	0.32
Up Capture Ratio	96.67	_	99.40
Down Capture Ratio	93.93	_	96.89

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.68	14.67	15.50
Price/Book Ratio	2.20	2.15	2.39
Avg Eff Duration	6.82	_	-

M RNINGSTAR



# Vanguard Target Retirement 2040 Fund VFORX

**Morningstar Category** Target-Date 2040

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

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

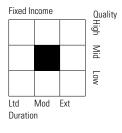
Morningstar Style Box™



Style Breakdown



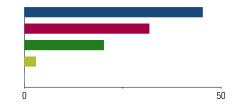




Weight %

>50 25-50 10-25 0-10

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



Total	100.00	100.00
Other	0.03	9.88
Cash	2.84	1.88
Bonds	20.13	13.20
Non-US Stocks	31.70	26.05
US Stocks	45.29	48.99
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund ▼ Benchmark	
ı.	Cyclical	35.40	39.59	35.67	Tulid Delicililark   Category Average	1
<u>.</u>	Basic Materials	5.10	5.18	4.55		-1
<u>—</u>	Consumer Cyclical	10.68	11.13	10.69	, , , , , , , , , , , , , , , , , , ,	
e e	Financial Services	16.13	16.00	15.83		
è	Real Estate	3.49	7.28	4.60		
M	Sensitive	41.56	36.57	40.74		
	Communication Services	6.39	5.03	6.21		
ð	Energy	5.42	5.35	5.32		
Ф	Industrials	11.36	11.97	10.92	0,	
	Technology	18.39	14.22	18.29		
<b>-</b>	Defensive	23.04	23.84	23.59		
=	Consumer Defensive	7.24	7.30	7.00		
٠	Healthcare	12.78	13.14	13.53		
•	Utilities	3.02	3.40	3.06		

<b>Top 6 Holdings</b> as of 12-31-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx InstI PIs	_	45.88	45.88	_	_
Ovanguard Total Intl Stock Index Inv	-	32.40	78.28	_	_
◆ Vanguard Total Bond Market II Idx Inv	-	14.45	92.73	_	_
Ovanguard Total Intl Bd II Idx Insl	_	5.98	98.70	-	_
→ Mktliq 12/31/2049	-	1.26	99.96	-	_
⊕ Us Dollar	_	0.04	100.00	_	-

### Total Holdings 6



## Vanguard Target Retirement 2045 Fund VTIVX

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

### Portfolio Manager(s)

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

### **Quantitative Screens**

- Performance: The fund has finished in the Target-Date 2045 category's top three quartiles in 10 of the 10 years it's been in existence.
- Management: The fund's management has been in place for 9.86 years.
- Net Expense: The fund's expense ratio of 0.08 is 88.06% lower than the Target-Date 2045 category average.

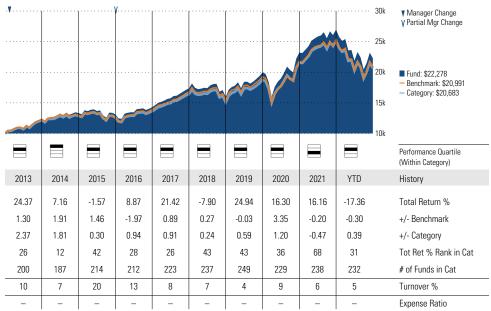
### **Morningstar Investment Management LLC Analysis**

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

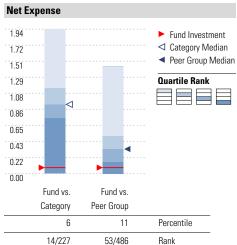
### **ESG Metrics**

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

### Growth of \$10,000







Peer group is a subset of the category and includes funds with the
same management style (active vs. passive) and similar share class $% \left( 1\right) =\left( 1\right) \left( 1\right) $
characteristics

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	0.84	_	0.60
Beta	0.97	_	0.97
R-Squared	99.24	_	98.58
Standard Deviation	18.64	19.22	18.72
Sharpe Ratio	0.24	0.20	0.23
Tracking Error	1.75	_	2.33
Information Ratio	0.47	_	0.27
Up Capture Ratio	99.65	_	99.79
Down Capture Ratio	96.51	_	97.67

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.69	14.54	15.52
Price/Book Ratio	2.20	2.13	2.38
Avg Eff Duration	6.82	-	-



# **Vanguard Target Retirement 2045 Fund** VTIVX

Quality

High

Mid

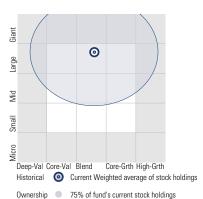
Low

**Morningstar Category** Target-Date 2045

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

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

Morningstar Style Box™



Fixed Income

Ltd

Mod Duration

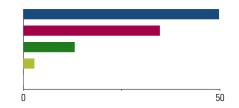
### Style Breakdown

Equity 29 18 27 5 9 6

Large Mid2 3 2

Value Blend Growth

Weight % >50 25-50 10-25 0-10 Asset Allocation as of 12-31-2022



Asset Class Net % Cat% US Stocks 51.87 49.69 Non-US Stocks 34.62 28.18 Bonds 12.96 7.40 Cash 2.69 2.14 Other 0.04 10.41 100.00 100.00 Total

		Fund	Bmark	Cat	Fund		Bench		Cate	A				
					runo	1 ,	Benci	ımark	Cate(	Jory Ave	erage			
ŀ	Cyclical	35.39	39.68	35.58		,								
ů.	Basic Materials	5.10	5.28	4.57										
<b>4</b>	Consumer Cyclical	10.67	11.16	10.77										
<b>,</b>	Financial Services	16.13	16.12	15.74				() <sup>*</sup>						
ŧ	Real Estate	3.49	7.12	4.50		<b>.</b>	'							
M	Sensitive	41.57	36.58	40.60										
	Communication Services	6.39	5.05	6.24										
•	Energy	5.42	5.35	5.25										
<b>Ģ</b>	Industrials	11.36	12.02	10.90		- :		'						
2	Technology	18.40	14.16	18.21				V .		1				
<b>→</b>	Defensive	23.04	23.73	23.82										
	Consumer Defensive	7.24	7.31	7.02			ľ							
٠	Healthcare	12.78	13.02	13.68				<b>[</b> ]						
•	Utilities	3.02	3.40	3.12		0								
					0%	5	10	15	20	25	30	35	40	_

<b>Top 6 Holdings</b> as of 12-31-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt ldx Instl Pls	-	50.34	50.34	_	_
─ Vanguard Total Intl Stock Index Inv	-	35.38	85.72	_	_
⊕ Vanguard Total Bond Market II Idx Inv	-	9.33	95.05	_	_
─ Vanguard Total Intl Bd II Idx Insl	-	3.82	98.87	_	_
	-	1.08	99.95	-	_
⊕ Us Dollar	_	0.05	100.00	-	_

Total Holdings 6

## Vanguard Target Retirement 2050 Fund VFIFX

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

# of Funds in Cat

Turnover %

Expense Ratio

### Portfolio Manager(s)

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

### Quantitative Screens

- Performance: The fund has finished in the Target-Date 2050 category's top three quartiles in 10 of the 10 years it's been in existence.
- Management: The fund's management has been in place for 9.86 years.
- Net Expense: The fund's expense ratio of 0.08 is 88.24% lower than the Target-Date 2050 category average.

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

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

### **ESG Metrics**

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

#### Growth of \$10,000 ▼ Manager Change V Partial Mgr Change ■ Fund: \$22,314 Benchmark: \$20,958 Category: \$20,565 15k 10k Performance Quartile (Within Category) 2013 2014 2015 2016 2017 2018 2019 2020 2021 YTD History 24.34 7.18 -1.58 8.85 21.39 -7.90 24.98 16.39 16.41 -17.46 Total Return % 2.18 1.61 -2.04 0.61 0.51 -0.11 3.48 -0.19 -0.55 1.51 +/- Benchmark 1.76 0.72 -0.71 3.32 0.43 0.63 0.51 0.44 1.14 0.52 +/- Category 30 16 45 29 38 37 47 37 74 29 Tot Ret % Rank in Cat

262

3

240

9

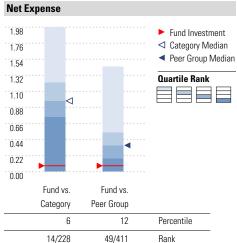
241

5

233

4





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 Kisk Metrics			
	Fund	Bmark	Cat
Alpha	0.79	_	0.54
Beta	0.96	_	0.97
R-Squared	99.15	_	98.50
Standard Deviation	18.82	19.56	19.14
Sharpe Ratio	0.25	0.21	0.23
Tracking Error	1.92	_	2.37
Information Ratio	0.40	_	0.23
Up Capture Ratio	99.12	_	100.31
Down Capture Ratio	96.22	_	98.47

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.69	14.42	15.55
Price/Book Ratio	2.20	2.11	2.38
Avg Eff Duration	6.83	_	-



222

9

211

7

240

18

233

12

248

258

7

# Vanguard Target Retirement 2050 Fund VFIFX

Quality

High

Mid

Low

### Morningstar Category Target-Date 2050

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

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

Morningstar Style Box™



## Style Breakdown

Equity 17 27 29 6 9 5

6 9 5 2 3 2

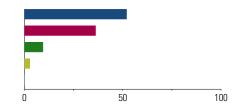
Value Blend Growth

Mid Small Ltd Mod Ext Duration

Fixed Income

Weight % >50 25-50 10-25 0-10

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



Asset Class Net % Cat% US Stocks 51.89 54.64 Non-US Stocks 36.11 28.82 Bonds 9.33 5.08 Cash 2.64 1.99 Other 0.04 9.48 100.00 Total 100.00

		Fund	Bmark	Cat	Fund	d t	Bencl	nmark	Cate	gory Ave	erage	_	
Ն	Cyclical	35.39	39.86	35.88									
ā.	Basic Materials	5.09	5.36	4.51									
<b>A</b>	Consumer Cyclical	10.68	11.18	10.78									
ê	Financial Services	16.13	16.21	15.74									
th.	Real Estate	3.49	7.11	4.85		<b>I</b>	1						
M	Sensitive	41.56	36.56	40.44									
	Communication Services	6.39	5.06	6.18									
•	Energy	5.42	5.36	5.19									
<b>Ģ</b>	Industrials	11.35	12.06	10.90			0	' -					
	Technology	18.40	14.08	18.17					<b>=</b> []	- :			
<b>→</b>	Defensive	23.04	23.58	23.68						<b>■</b> [] :			
=	Consumer Defensive	7.25	7.30	6.97			Ĭ						
٠	Healthcare	12.77	12.89	13.63		_ :	1	<b>[</b> ]					
•	Utilities	3.02	3.39	3.08		ſ							

<b>Top 6 Holdings</b> as of 12-31-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx InstI PIs	_	52.56	52.56	_	_
─ Vanguard Total Intl Stock Index Inv	_	36.90	89.46	_	_
─ Vanguard Total Bond Market II ldx Inv	_	6.67	96.13	_	_
─ Vanguard Total Intl Bd II Idx Insl	_	2.79	98.93	_	_
	-	1.04	99.97	-	_
⊕ Us Dollar	-	0.03	100.00	-	_

Total Holdings 6



## Vanguard Target Retirement 2055 Fund VFFVX

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

### Portfolio Manager(s)

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

### Quantitative Screens

Performance: The fund has finished in the Target-Date 2055 category's top three quartiles in 9 of the 10 years it's been in existence.

Management: The fund's management has been in place for 9.86 years.

Net Expense: The fund's expense ratio of 0.08 is 88.24% lower than the Target-Date 2055 category average.

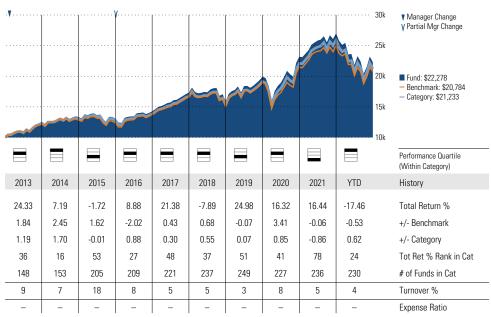
### **Morningstar Investment Management LLC Analysis**

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

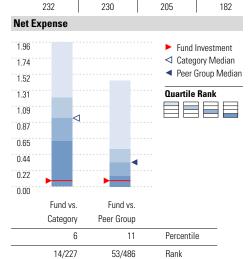
### **ESG Metrics**

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

### Growth of \$10,000



#### **Trailing Performance Total Return %** as of 12-31-2022 Fund Benchmark 0 Category -5 -10 -15 Average annual, if greater than 1 year 3 Month 1 Year 10 year Since Inception 3 yea 5 year 9.23 -17.463.79 5.18 8.34 8.97 Fund Return % 10.59 -16.93 3.00 4.55 7.59 6.94 Benchmark Return % -18 08 3 59 7 90 9.13 4 93 Category Average % 55 24 38 39 25 % Rank in Category 95 # of Funds in Category



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

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	0.82	_	0.60
Beta	0.95	_	0.97
R-Squared	99.11	_	98.44
Standard Deviation	18.83	19.64	19.28
Sharpe Ratio	0.24	0.20	0.23
Tracking Error	1.99	-	2.41
Information Ratio	0.40	-	0.25
Up Capture Ratio	98.88	-	100.91
Down Capture Ratio	95.88	-	98.86

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.69	14.31	15.34
Price/Book Ratio	2.20	2.08	2.33
Avg Eff Duration	6.82	-	_



# Vanguard Target Retirement 2055 Fund VFFVX

Quality

High

Mid

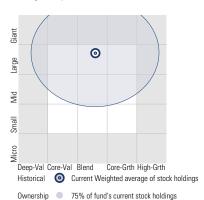
Low

**Morningstar Category** Target-Date 2055

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

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

Morningstar Style Box™



Large

Mid

Ltd

Mod Duration

Fixed Income

### Style Breakdown

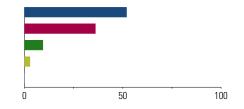
Equity 29 17 27 5 6 9

2 3 2

Value Blend Growth

Weight % >50 25-50 10-25 0-10

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



Asset Class Net % Cat% US Stocks 54.52 51.89 Non-US Stocks 36.04 31.50 Bonds 9.30 4.37 Cash 2.73 1.45 Other 0.04 8.15 Total 100.00 100.00

Sec	ctor Weighting as of 12-	31-2022			
		Fund	Bmark	Cat	Fund Fenchmark Category Average
<sub>Մ</sub>	Cyclical	35.40	40.09	36.07	
å.	Basic Materials	5.10	5.43	4.70	
Д	Consumer Cyclical	10.68	11.19	10.70	
ê	Financial Services	16.13	16.29	15.76	
<b>fi</b>	Real Estate	3.49	7.18	4.91	
W	Sensitive	41.57	36.50	40.48	
	Communication Services	6.39	5.08	6.33	
ð	Energy	5.42	5.34	5.30	
<b>Ģ</b>	Industrials	11.35	12.09	10.81	
	Technology	18.41	13.99	18.04	
<b>→</b>	Defensive	23.04	23.41	23.45	
=	Consumer Defensive	7.24	7.28	6.95	
٠	Healthcare	12.79	12.75	13.44	
•	Utilities	3.01	3.38	3.06	
					0% 5 10 15 20 25 30 35 40 4

<b>Top 6 Holdings</b> as of 12-31-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx InstI PIs	_	52.56	52.56	_	_
─ Vanguard Total Intl Stock Index Inv	_	36.83	89.39	_	-
⊕ Vanguard Total Bond Market II Idx Inv	-	6.68	96.08	_	_
─ Vanguard Total Intl Bd II Idx Insl	_	2.75	98.83	_	-
	-	1.15	99.97	-	_
⊕ Us Dollar	-	0.03	100.00	-	_

### Total Holdings 6



## Vanguard Target Retirement 2060 Fund VTTSX

Morningstar Category Target-Date 2060 Morningstar Index

Morningstar Mod Tgt Risk TR USD

### Portfolio Manager(s)

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

### Quantitative Screens

Performance: The fund has finished in the Target-Date 2060 category's top three quartiles in 9 of the 10 years it's been in existence.

Management: The fund's management has been in place for 9.86 years.

Net Expense: The fund's expense ratio of 0.08 is 88.24% lower than the Target-Date 2060 category average.

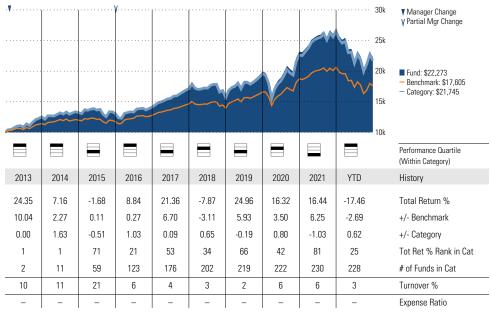
### **Morningstar Investment Management LLC Analysis**

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

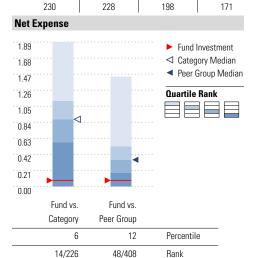
### **ESG Metrics**

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

## Growth of \$10,000







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	1.59	_	1.40
Beta	1.35	_	1.39
R-Squared	98.56	_	97.51
Standard Deviation	18.81	13.80	19.38
Sharpe Ratio	0.24	0.15	0.23
Tracking Error	5.37	_	6.19
Information Ratio	0.34	_	0.27
Up Capture Ratio	143.44	_	147.22
Down Capture Ratio	136.23	_	141.29

# of Funds in Category

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.70	14.25	15.56
Price/Book Ratio	2.20	2.06	2.39
Avg Eff Duration	6.83	-	-



# Vanguard Target Retirement 2060 Fund VTTSX

Quality High MidLow

#### **Morningstar Category Morningstar Index** Target-Date 2060 Morningstar Mod Tgt Risk TR USD

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

Morningstar Style Box™



Fixed Income

Mod Duration

### Style Breakdown

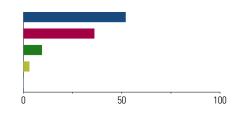
Equity

17	27	29	Large	
6	9	5	Mid	
2	3	2	Small	
Value	Blend	Growth		Ιt

Weight %

>50 25-50 10-25 0-10

## Asset Allocation as of 12-31-2022



Total	100 00	100 00
Other	0.04	5.50
Cash	2.86	2.18
Bonds	9.27	4.78
Non-US Stocks	35.94	31.95
US Stocks	51.88	55.61
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 12-3	31-2022			
		Fund	Bmark	Cat	Fund • Benchmark [] Category Average
<b>Դ</b>	Cyclical	35.37	40.07	35.75	
A.	Basic Materials	5.09	5.43	4.73	
<b>A</b>	Consumer Cyclical	10.67	11.02	10.92	
<u></u>	Financial Services	16.12	16.47	15.50	<b></b> j'
<b>fi</b>	Real Estate	3.49	7.15	4.60	
M	Sensitive	41.58	35.93	40.48	) I
	Communication Services	6.39	5.20	6.37	
ð	Energy	5.42	5.40	5.27	
¢	Industrials	11.35	11.52	10.84	0'
	Technology	18.42	13.81	18.00	
<b>→</b>	Defensive	23.04	24.00	23.79	
=	Consumer Defensive	7.24	7.49	6.98	· ·
٠	Healthcare	12.79	12.82	13.81	
•	Utilities	3.01	3.69	3.00	
					0% 5 10 15 20 25 30 35 40

<b>Top 6 Holdings</b> as of 12-31-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx InstI PIs	_	52.56	52.56	_	_
─ Vanguard Total Intl Stock Index Inv	-	36.73	89.29	_	-
⊕ Vanguard Total Bond Market II Idx Inv	-	6.63	95.92	_	_
─ Vanguard Total Intl Bd II Idx Insl	-	2.78	98.70	_	_
	-	1.27	99.96	-	-
⊕ Us Dollar	_	0.04	100.00	_	_

Total Holdings 6

## Vanguard Target Retirement 2065 Fund VLXVX

Morningstar Category Target-Date 2065+ Morningstar Index

Morningstar Mod Tgt Risk TR USD

### Portfolio Manager(s)

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

### **Quantitative Screens**

- × Performance: The fund has finished in the Target-Date 2065+ category's top three quartiles in 3 of the 5 years it's been in existence.
- Management: The fund's management has been in place for 5.47 years.
- Net Expense: The fund's expense ratio of 0.08 is 87.3% lower than the Target-Date 2065+ category average.

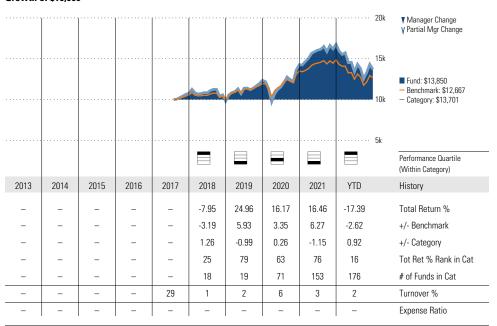
### **Morningstar Investment Management LLC Analysis**

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

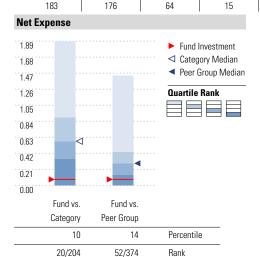
### **ESG Metrics**

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

### Growth of \$10,000







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 KISK Wetrics			
	Fund	Bmark	Cat
Alpha	1.58	_	1.46
Beta	1.35	_	1.43
R-Squared	98.55	_	97.93
Standard Deviation	18.82	13.80	19.94
Sharpe Ratio	0.24	0.15	0.24
Tracking Error	5.39	-	6.59
Information Ratio	0.34	-	0.26
Up Capture Ratio	143.49	-	151.52
Down Capture Ratio	136.35	-	145.37

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.73	14.25	15.08
Price/Book Ratio	2.21	2.06	2.30
Avg Eff Duration	6.85	-	-



# Vanguard Target Retirement 2065 Fund VLXVX

Asset Allocation as of 12-31-2022

#### **Morningstar Category** Morningstar Index Target-Date 2065+

Morningstar Mod Tgt Risk TR USD

Style Analysis as of 12-31-2022

Morningstar Style Box™

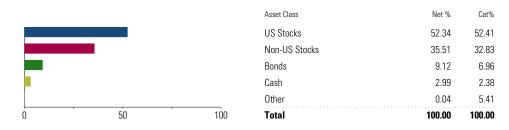


### Style Breakdown

Equity				Fixed	Income		Quality
17	27	29	Large				High
6	9	5	Mid				Mid
2	3	2	Small				Low
Value	Blend	Growth		Ltd Durat	Mod ion	Ext	

Weight %

>50 25-50 10-25 0-10



		Fund	Bmark	Cat	Fun	d '	Bench	nmark	Cate	gory Ave	erage	_	
ŀ	Cyclical	35.31	40.07	35.54								- 1	
i.	Basic Materials	5.06	5.43	4.93									
4	Consumer Cyclical	10.67	11.02	10.75									
<b>,</b>	Financial Services	16.09	16.47	15.79									
ŧ	Real Estate	3.49	7.15	4.07		■[]	7						
M	Sensitive	41.63	35.93	41.05									
₫	Communication Services	6.40	5.20	6.39									
ð	Energy	5.42	5.40	5.38			_						
¢	Industrials	11.33	11.52	11.12									
	Technology	18.48	13.81	18.16				•		_ :			
<b>→</b>	Defensive	23.06	24.00	23.40					•	<b>[</b> ]			
=	Consumer Defensive	7.23	7.49	7.17			]						
٠	Healthcare	12.82	12.82	13.27				■[]					
•	Utilities	3.01	3.69	2.96		0							

<b>Top 6 Holdings</b> as of 12-31-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl PIs	_	53.03	53.03	_	_
⊕ Vanguard Total Intl Stock Index Inv	-	36.28	89.31	_	-
	-	6.32	95.63	_	-
○ Vanguard Total Intl Bd II Idx Insl	-	2.93	98.56	_	-
⊕ Mktliq 12/31/2049	-	1.36	99.91	-	-
① Us Dollar	-	0.09	100.00	-	_

### Total Holdings 6



## Vanguard Target Retirement 2070 Fund VSVNX

### Morningstar Category Target-Date 2065+

### Morningstar Index

Morningstar Mod Tgt Risk TR USD

### Portfolio Manager(s)

Walter Nejman since 06-2022 William Coleman since 06-2022

### **Quantitative Screens**

The Performance screen is not applicable for funds with less than three years of data.

- × *Management:* The fund's management team has been in place for less than three years.
- Net Expense: The fund's expense ratio of 0.08 is 87.3% lower than the Target-Date 2065+ category average.

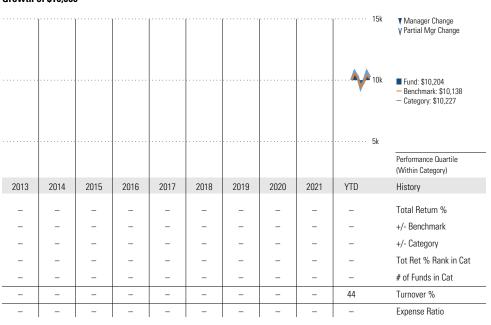
### **Morningstar Investment Management LLC Analysis**

This fund fails the manager tenure screen due to a limited history for this target-date vintage.

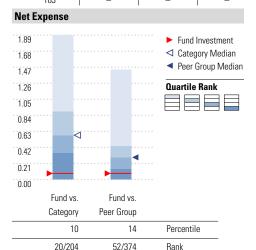
### **ESG Metrics**

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

### Growth of \$10,000







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- Tear hisk Wellics			
	Fund	Bmark	Cat
Alpha	_	_	1.46
Beta	_	_	1.43
R-Squared	_	_	97.93
Standard Deviation	_	13.80	19.94
Sharpe Ratio	_	0.15	0.24
Tracking Error	_	_	6.59
Information Ratio	_	_	0.26
Up Capture Ratio	_	_	151.52
Down Capture Ratio	_	_	145.37

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.78	14.25	15.08
Price/Book Ratio	2.22	2.06	2.30
Avg Eff Duration	6.83	-	-



# Vanguard Target Retirement 2070 Fund VSVNX

#### **Morningstar Category** Morningstar Index Target-Date 2065+

Morningstar Mod Tgt Risk TR USD

Style Analysis as of 12-31-2022

Morningstar Style Box™





50

Asset Allocation as of 12-31-2022

Asset Class Net % Cat% US Stocks 53.23 52.41 Non-US Stocks 35.06 32.83 Bonds 9.78 6.96 Cash 1.89 2.38 Other 0.04 5.41 Total 100.00 100.00

Style	Breakd	lown

Equity				Fixed	Income	
17	27	29	Large			
6	9	5	Mid			
2	3	2	Small			
Value	Blend	Growth		Ltd	Mod	E>

Quality High Mid Low Duration

Weight %

>50 25-50 10-25 0-10

		Fund	Bmark	Cat	Fund	•	Bench	ımark	Cateo	gory Ave	erage	
٠	Cyclical	35.23	40.07	35.54								
÷.	Basic Materials	5.02	5.43	4.93								
4	Consumer Cyclical	10.66	11.02	10.75								
÷	Financial Services	16.06	16.47	15.79								
ŧ	Real Estate	3.49	7.15	4.07		0 '						_
W	Sensitive	41.68	35.93	41.05								•
d	Communication Services	6.41	5.20	6.39								
•	Energy	5.41	5.40	5.38								
<b>\$</b>	Industrials	11.30	11.52	11.12		Ė						
	Technology	18.56	13.81	18.16				•	<b>(</b> )	_ :		
<b>→</b>	Defensive	23.10	24.00	23.40					•			
	Consumer Defensive	7.23	7.49	7.17			'					
۲	Healthcare	12.86	12.82	13.27				■[]				
<b>?</b>	Utilities	3.01	3.69	2.96		'						

100

<b>Top 6 Holdings</b> as of 12-31-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Vanguard Total Stock Mkt Idx InstI Pls	_	53.94	53.94	_	_
Vanguard Total Intl Stock Index Inv	_	35.81	89.74	_	-
Vanguard Total Bond Market II ldx Inv	_	6.95	96.69	_	-
① Vanguard Total Intl Bd II Idx Insl	_	2.96	99.66	_	-
	-	0.17	99.83	-	-
① Us Dollar	_	0.17	100.00	_	_

Total Holdings 6



## Vanguard Target Retirement Income Fund VTINX

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

### Portfolio Manager(s)

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

### **Quantitative Screens**

Performance: The fund has finished in the Target-Date Retirement category's top three quartiles in 10 of the 10 years it's been in existence.

Management: The fund's management has been in place for 9.86 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 0.08 is 87.3% lower than the Target-Date Retirement category average.

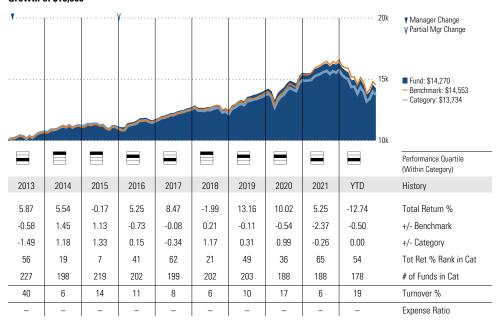
### **Morningstar Investment Management LLC Analysis**

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

### **ESG Metrics**

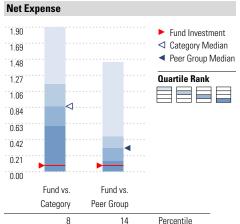
Metric	Rating	Updated
Sustainability Rating	3	01-31-2023
ESG Commitment	1-Low	02-15-2022

### Growth of \$10,000



### **Trailing Performance**





14/176	59/424	Rank	
Peer group is a subset of t	the category ar	nd includes funds with	the
same management style (a	active vs. pass	ive) and similar share	class
charactoristics			

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	-0.97	_	-1.17
Beta	0.88	_	0.93
R-Squared	97.86	_	95.69
Standard Deviation	8.59	9.66	9.25
Sharpe Ratio	-0.02	0.11	-0.04
Tracking Error	1.71	_	2.32
Information Ratio	-0.65	_	-0.58
Up Capture Ratio	84.92	_	88.54
Down Capture Ratio	92.19	-	97.44

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.69	15.70	15.08
Price/Book Ratio	2.20	2.34	2.23
Avg Eff Duration	5.81	-	-



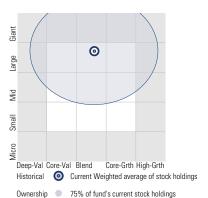
# Vanguard Target Retirement Income Fund VTINX

### **Morningstar Category** Target-Date Retirement

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

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

Morningstar Style Box™



### Style Breakdown

Equity

Weight %

-quit,			
18	27	29	Large
6	9	5	Mid
2	3	2	Small
Value	Dland	Croudh	

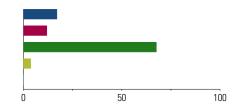
Quality High Μid Low Ltd Mod Duration

Fixed Income

Value Blend Growth

>50 25-50 10-25 0-10

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



Asset Class Net % Cat% US Stocks 16.96 18.64 Non-US Stocks 11.83 10.39 Bonds 67.58 53.86 Cash 3.60 4.77 Other 0.02 12.36 Total 100.00 100.00

												31-2022	ctor Weighting as of 12-	Sec
			age	ry Aver	Catego	nark	Bench	•	Fund	Cat	Bmark	Fund		
										37.98	39.73	35.36	Cyclical	Ն
								Ó		4.44	4.53	5.09	Basic Materials	i.
						1				9.84	10.73	10.66	Consumer Cyclical	-
										15.17	15.04	16.13	Financial Services	ê
										8.53	9.43	3.48	Real Estate	b
										39.11	36.03	41.58	Sensitive	M
										6.02	4.90	6.38	Communication Services	
										5.13	5.27	5.44	Energy	•
										10.18	11.36	11.36	Industrials	Ф
						•				17.78	14.50	18.40	Technology	
										22.90	24.24	23.07	Defensive	<b>→</b>
										6.98	7.19	7.25	Consumer Defensive	
										12.69	13.68	12.79	Healthcare	٠
										3.23	3.37	3.03	Utilities	•
_	_	35	30	25	20	 15	10	5	0%	0.20	3.37	3.03	Othitics	Ŧ

<b>Top 7 Holdings</b> as of 12-31-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Vanguard Total Bond Market II Idx Inv	_	36.94	36.94	_	_
⊕ Vanguard Total Stock Mkt Idx Instl Pls	_	17.18	54.12	_	_
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	_	16.60	70.72	_	_
─ Vanguard Total Intl Bd II Idx Insl	_	15.92	86.64	_	_
O Vanguard Total Intl Stock Index Inv	-	12.10	98.73	_	-
⊕ Mktliq 12/31/2049	_	1.23	99.96	_	_
① Us Dollar	_	0.04	100.00	_	_

### Total Holdings 7

## Vanguard Value Index Adm VVIAX

### Portfolio Manager(s)

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

### Quantitative Screens

- Performance: The fund has finished in the Large Value category's top three quartiles in 10 of the 10 years it's been in existence.
- Management: The fund's management has been in place for 28.02 years.
- Style: The fund has landed in its primary style box Large Value — 100 % of the time over the past three years.
- Net Expense: The fund's expense ratio of 0.05 is 94.44% lower than the Large Value category average.

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

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

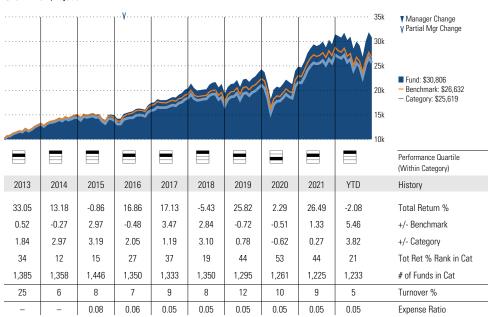
### **ESG Metrics**

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

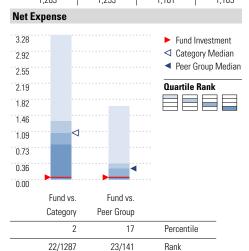
**Morningstar Category** Large Value

Morningstar Index Russell 1000 Value TR USD

### Growth of \$10,000



#### **Trailing Performance Total Return %** as of 12-31-2022 Fund Benchmark Category Average annual, if greater than 1 year 3 Month 1 Year 10 year Since Inception 3 yea 5 year Fund Return % 14.66 -2.08 8.21 8.56 11.91 7.09 12.42 -7.54 5.96 6.67 10.29 11.58 Benchmark Return % 12 77 6 96 7.03 10.23 -5 90 Category Average % 17 21 29 20 9 % Rank in Category 1.263 1.233 1.161 1.105 825 # of Funds in Category



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

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

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





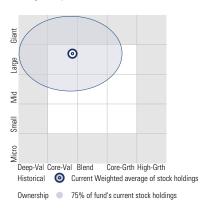
# Vanguard Value Index Adm VVIAX

#### **Morningstar Category** Morningstar Index Large Value

### Russell 1000 Value TR USD

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

Morningstar Style Box™



### Style Breakdown

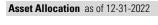
Equity

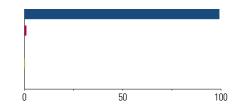
29	40	11	Large
9	10	1	Mid
0	0	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10





Total	100.00	100.00
Other	0.00	0.62
Cash	0.16	1.83
Bonds	0.00	0.35
Non-US Stocks	0.81	5.57
US Stocks	99.03	91.62
Asset Class	Net %	Cat%

Sec	tor Weighting as of 12-	31-2022											
		Fund	Bmark	Cat	Fund	•	Benchma	ark [] C	ategory .	Average		_	
<b>Դ</b>	Cyclical	27.79	34.80	32.99									
A.	Basic Materials	2.68	3.82	3.53									
4	Consumer Cyclical	2.27	6.00	6.70		[ ]							
<del>,</del>	Financial Services	19.86	20.26	19.65									
tt.	Real Estate	2.98	4.72	3.11		0							
M	Sensitive	32.98	34.34	36.57									j
	Communication Services	4.02	7.37	6.23			_ :						
•	Energy	8.18	8.46	8.73			<b>■</b> []						
¢.	Industrials	12.64	10.53	11.13		1							
	Technology	8.14	7.98	10.48									
<b>→</b>	Defensive	39.22	30.84	30.45			_		•				
=	Consumer Defensive	11.47	7.51	8.42					_				
٠	Healthcare	21.86	17.53	16.92					<u>'</u>				
•	Utilities	5.89	5.80	5.11									
					0%	5	10	15	20	25	30	35	_

<b>Top 15 Holdings</b> as of 12-31-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Berkshire Hathaway Inc Class B	3.13	3.13	3.31	Financial Services
⊕ UnitedHealth Group Inc	2.89	6.02	6.86	Healthcare
⊕ Johnson & Johnson	2.70	8.72	5.86	Healthcare
⊖ Exxon Mobil Corp	2.65	11.37	86.06	Energy
⊕ JPMorgan Chase & Co	2.30	13.67	-12.79	Financial Services
Procter & Gamble Co	2.10	15.76	-5.14	Consumer Defensive
Chevron Corp	1.82	17.59	57.79	Energy
→ Pfizer Inc	1.68	19.27	-10.52	Healthcare
AbbVie Inc	1.67	20.94	23.80	Healthcare
⊕ Merck & Co Inc	1.64	22.58	48.42	Healthcare
⊕ PepsiCo Inc	1.45	24.03	6.61	Consumer Defensive
⊕ Coca-Cola Co	1.45	25.48	10.40	Consumer Defensive
Ð Broadcom Inc	1.32	26.80	-13.43	Technology
Ð Bank of America Corp	1.32	28.12	-23.62	Financial Services
Walmart Inc     ■     Walmart Inc     ■     Walmart Inc     ■     Walmart Inc     ■     Walmart Inc     ■     Walmart Inc     ■     Walmart Inc     ■     Walmart Inc     ■     Walmart Inc     Walmart Inc     ■     Walmart Inc     Walmart Inc	1.12	29.24	-0.46	Consumer Defensive

**Total Holdings 345** 

