## American Funds American Balanced R6 RLBGX

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

Fauity

Morningstar US Mod Tgt Alloc NR USD

Expense Ratio

#### Portfolio Manager(s)

Hilda Applbaum since 01-1999
Alan Berro since 03-2006
Jeffrey Lager since 03-2011
Paul Benjamin since 07-2014
Anne-Marie Peterson since 10-2015
Alan Wilson since 01-2016
John Queen since 07-2016
Pramod Atluri since 03-2018

Mark Casey since 10-2019 Ritchie Tuazon since 10-2020

#### **Quantitative Screens**

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

Management: The fund's management has been in place for 23.76 years.

Net Expense: The fund's expense ratio of 0.25 is
 75.73% lower than the Allocation--50% to 70% Equity
 category average.

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

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

#### **ESG Metrics**

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





0.27

0.26

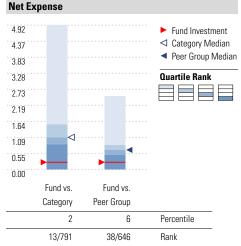
0.25

0.28

0.28

0.29

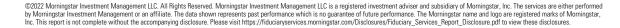
0.29



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	1.22	_	-0.19
Beta	0.94	_	1.01
R-Squared	96.95	_	93.81
Standard Deviation	12.60	13.19	13.79
Sharpe Ratio	0.30	0.21	0.19
Tracking Error	2.33	-	3.33
Information Ratio	0.48	-	-0.07
Up Capture Ratio	100.69	-	100.14
Down Capture Ratio	94.41	_	101.57

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	14.57	15.39	15.85
Price/Book Ratio	2.94	2.51	2.63
Avg Eff Duration	6.92	6.45	5.02





## 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 09-30-2022

Morningstar Style Box™





Asset Allocation as of 09-30-2022

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

Style Breakdown Equity Fixed Income Quality								
23	44	18	Large				Quality High	
5	8	2	Mid				Mid	
0	0	0	Small				Low	
Value	Blend	Growth		Ltd Durati	Mod	Ext	_	
Weight %								

		Fund	Bmark	Cat	Fund		Bench	mark	Categ	jory Ave	erage	_	
<b>Ն</b>	Cyclical	27.90	33.09	31.49								1	
A.	Basic Materials	3.73	3.71	3.59		(							
<b>-</b>	Consumer Cyclical	9.16	11.45	10.46			<b>=</b> [						
<u></u>	Financial Services	11.62	14.48	14.43		_		ď					
ŧ	Real Estate	3.39	3.45	3.01		)							
M	Sensitive	40.37	42.78	42.93									
	Communication Services	6.64	7.08	7.49			]						
ð	Energy	8.72	4.91	4.91									
Ċ.	Industrials	8.43	10.05	10.25			<b>–</b> [						
	Technology	16.58	20.74	20.28					0	_			
<b>→</b>	Defensive	31.74	24.12	25.60									
	Consumer Defensive	11.52	7.27	7.10									
٠	Healthcare	18.65	13.76	15.05									
•	Utilities	1.57	3.09	3.45									

100

<b>Top 10 Holdings</b> as of 09-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Capital Group Central Cash Fund	_	12.06	12.06	_	_
🌣 Cash And Other Assets Less Liablities	_	7.58	19.64	_	-
⊕ Cap Grp Cent Fd Ser Ii	_	5.14	24.79	_	-
	-	3.52	28.31	-30.20	Technology
─ UnitedHealth Group Inc	_	2.65	30.96	1.52	Healthcare
⊕ Broadcom Inc	_	2.37	33.33	-31.42	Technology
⇒ Philip Morris International Inc	_	1.85	35.18	-8.65	Consumer Defensive
→ Pfizer Inc	-	1.47	36.65	-23.86	Healthcare
The Home Depot Inc	_	1.39	38.04	-32.14	Consumer Cyclical
CVS Health Corp	_	1.18	39.22	-5.95	Healthcare

#### Total Holdings 1835

>50 25-50 10-25 0-10

⊕ Increase ⊖ Decrease 🕸 New to Portfolio



## American Funds American Mutual R6 RMFGX

Morningstar Category Large Value

Morningstar Index

Russell 1000 Value TR USD

#### Portfolio Manager(s)

Joyce Gordon since 01-2006 James Lovelace since 01-2006 James Terrile since 01-2006 William Robbins since 01-2008 Cheryl Frank since 01-2014 Bradley Vogt since 01-2015 Charles Ellwein since 12-2016 Grant Cambridge since 01-2021

#### **Quantitative Screens**

Performance: The fund has finished in the 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 16.76 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 0.27 is 70.33% lower than the Large Value category average.

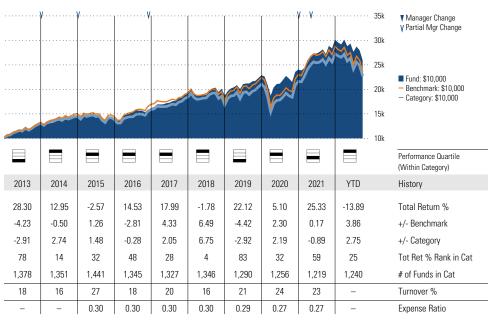
#### **Morningstar Investment Management LLC Analysis**

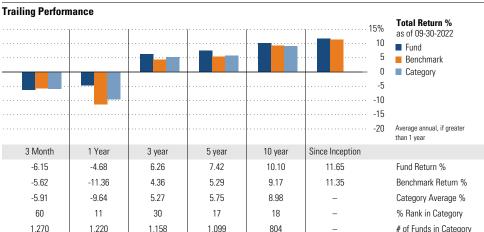
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

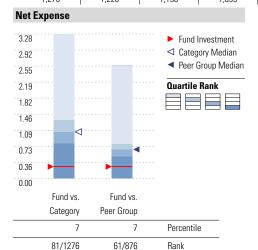
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	4	08-31-2022
Carbon Bisk Score	Low Risk	06-30-2022

#### Growth of \$10,000

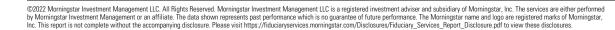






3-Year Kisk Metrics			
	Fund	Bmark	Cat
Alpha	2.56	_	1.02
Beta	0.74	_	0.98
R-Squared	94.60	_	95.47
Standard Deviation	15.60	20.45	20.54
Sharpe Ratio	0.42	0.28	0.32
Tracking Error	6.40	_	4.62
Information Ratio	0.30	_	0.21
Up Capture Ratio	83.42	_	99.08
Down Capture Ratio	74.22	-	95.67

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	16.32	13.75	12.66
Price/Book Ratio	2.93	2.00	2.12
Geom Avg Mkt Cap \$B	101.58	64.23	95.02
ROE	28.91	18.55	25.15





## American Funds American Mutual R6 RMFGX

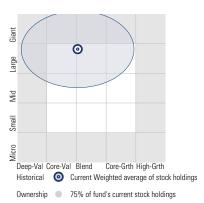
**Morningstar Category** Large Value

Morningstar Index

Russell 1000 Value TR USD

## Style Analysis as of 09-30-2022

Morningstar Style Box™



#### Style Breakdown

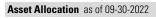
Equity

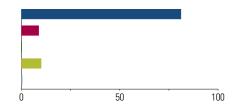
24	47	15	Large
8	5	1	Mid
0	0	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10





Asset Class	Net %	Cat%
US Stocks	81.08	91.50
Non-US Stocks	8.69	5.78
Bonds	0.02	0.32
Cash	9.92	1.70
Other	0.28	0.71
Total	100.00	100.00

Sec	ctor Weighting as of 09-	30-2022											
		Fund	Bmark	Cat	Fund	•	Benchmark	[] C	ategory .	Average			
<u></u>	Cyclical	26.28	34.81	32.14								-	
A	Basic Materials	3.80	3.61	3.28		0							
A	Consumer Cyclical	5.09	5.97	6.56									
<b>P</b>	Financial Services	14.68	20.20	19.02									
命	Real Estate	2.71	5.03	3.28		0 .							
W	Sensitive	35.91	34.35	36.44			_						
d	Communication Services	3.22	8.11	6.86			•						
•	Energy	7.16	7.84	8.23									
Ф	Industrials	15.08	10.01	10.72		- :							
	Technology	10.45	8.39	10.63									
<b>→</b>	Defensive	37.81	30.84	31.42			_						
Ħ	Consumer Defensive	9.02	7.42	8.73			<u> </u>						
+	Healthcare	20.52	17.47	17.09									
•	Utilities	8.27	5.95	5.60									
					0%	5	10	15	20	25	30	35	40

Top 15 Holdings as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
○ Capital Group Central Cash Fund	9.61	9.61	_	_
	3.46	13.07	-30.20	Technology
AbbVie Inc	3.10	16.17	2.52	Healthcare
⊕ UnitedHealth Group Inc	2.55	18.72	1.52	Healthcare
⊕ Raytheon Technologies Corp	2.37	21.09	-3.01	Industrials
	1.92	23.01	-21.17	Basic Materials
⇒ Abbott Laboratories	1.87	24.88	-30.25	Healthcare
The Home Depot Inc	1.82	26.70	-32.14	Consumer Cyclical
○ ConocoPhillips	1.73	28.43	47.02	Energy
⊖ Comcast Corp Class A	1.70	30.13	-40.15	Communication Svc
⊖ General Mills Inc	1.69	31.82	16.01	Consumer Defensive
Apple Inc	1.66	33.48	-21.79	Technology
Gilead Sciences Inc	1.61	35.09	-12.02	Healthcare
⊕ Bristol-Myers Squibb Co	1.51	36.59	16.62	Healthcare
€ CenterPoint Energy Inc	1.41	38.01	2.83	Utilities

#### Total Holdings 176

⊕ Increase ⊕ Decrease 🕸 New to Portfolio



## 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 28.93 years.

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

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

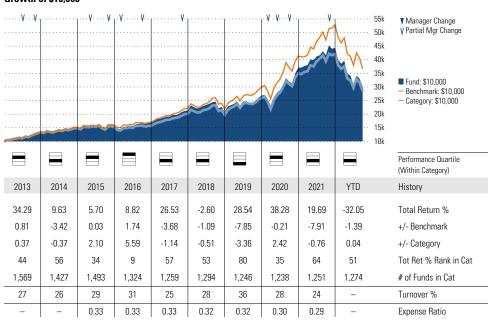
#### **Morningstar Investment Management LLC Analysis**

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

#### **ESG Metrics**

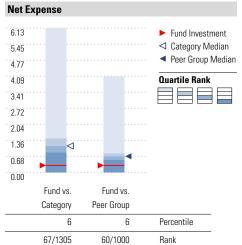
Metric	Rating	Updated
Sustainability Rating	1	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	04-07-2022

#### Growth of \$10,000





3-Voor Rick Matrice



3-1 cai nisk ivicuits			
	Fund	Bmark	Cat
Alpha	-2.14	_	-3.29
Beta	0.95	_	0.97
R-Squared	95.75	_	93.15
Standard Deviation	22.36	23.13	23.33
Sharpe Ratio	0.42	0.52	0.37
Tracking Error	4.78	_	6.09
Information Ratio	-0.61	-	-0.78
Up Capture Ratio	86.03	_	88.47
Down Capture Ratio	91.03	-	97.94

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	18.91	23.78	23.27
Price/Book Ratio	4.05	8.32	6.18
Geom Avg Mkt Cap \$B	123.81	240.14	266.70
ROE	25.71	41.06	37.20



## American Funds Growth Fund of Amer R6 RGAGX

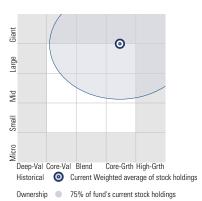
#### **Morningstar Category** Large Growth

## Morningstar Index

## Russell 1000 Growth TR USD

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

Morningstar Style Box™



#### Style Breakdown

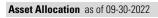
Equity

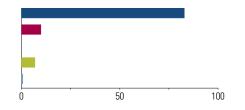
8	30	38	Laige
3	8	10	MIN
1	1	1	ollidii

Value Blend Growth

Weight %

>50 25-50 10-25 0-10





Total	100.00	100.00
Other	0.63	0.37
Cash	6.77	2.00
Bonds	0.00	0.01
Non-US Stocks	9.80	4.27
US Stocks	82.80	93.35
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 09-3	30-2022			
		Fund	Bmark	Cat	Fund Benchmark Category Average
<mark>Դ</mark>	Cyclical	35.16	25.91	28.66	
A.	Basic Materials	2.40	1.20	1.51	
<b>A</b>	Consumer Cyclical	23.80	16.68	15.69	
÷	Financial Services	8.79	6.40	9.74	
<b>fi</b>	Real Estate	0.17	1.63	1.72	
W	Sensitive	43.69	55.67	51.49	
d	Communication Services	10.43	7.45	9.75	
•	Energy	4.63	1.56	2.32	
Ф	Industrials	8.09	7.55	6.05	
	Technology	20.54	39.11	33.37	
<b>→</b>	Defensive	21.14	18.43	19.86	
=	Consumer Defensive	3.34	6.26	4.32	
+	Healthcare	16.80	12.11	14.94	
•	Utilities	1.00	0.06	0.60	
					0% 5 10 15 20 25 30 35 40 45 50 55

<b>Top 15 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Tesla Inc	7.18	7.18	-24.70	Consumer Cyclical
○ Capital Group Central Cash Fund	6.92	14.10	_	-
⊕ Microsoft Corp	5.89	19.99	-30.20	Technology
⊕ Amazon.com Inc	4.44	24.43	-32.22	Consumer Cyclical
⊕ UnitedHealth Group Inc	3.94	28.38	1.52	Healthcare
Alphabet Inc Class C	2.56	30.94	-33.54	Communication Svc
	2.34	33.28	-59.66	Communication Svc
⊕ Broadcom Inc	1.93	35.21	-31.42	Technology
	1.84	37.05	-33.97	Communication Svc
⊕ Netflix Inc	1.47	38.52	-60.92	Communication Svc
→ Thermo Fisher Scientific Inc	1.33	39.85	-23.85	Healthcare
⊕ Mastercard Inc Class A	1.26	41.10	-20.46	Financial Services
⊕ Eli Lilly and Co	1.01	42.11	18.13	Healthcare
⊕ Carrier Global Corp Ordinary Shares	0.99	43.10	-33.89	Industrials
⊕ Regeneron Pharmaceuticals Inc	0.93	44.02	9.08	Healthcare

#### Total Holdings 374

⊕ Increase ⊕ Decrease 🕸 New to Portfolio



## 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 30.6 years.

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

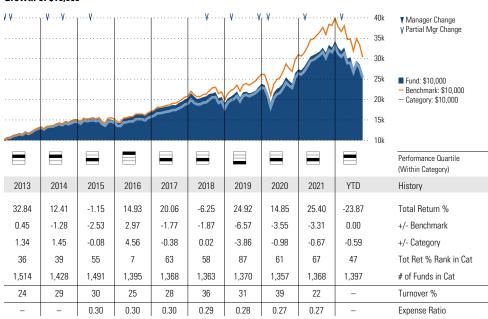
#### **Morningstar Investment Management LLC Analysis**

This fund passes all of Morningstar Investment
Management's quantitative screens. Morningstar
Investment Management has also assessed the fund from a
qualitative perspective and, as a fiduciary, is comfortable
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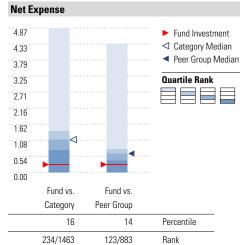
#### **ESG Metrics**

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

#### Growth of \$10,000







3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	-1.18	_	-1.32
Beta	0.92	_	0.96
R-Squared	97.95	_	95.48
Standard Deviation	18.78	20.30	19.87
Sharpe Ratio	0.38	0.45	0.37
Tracking Error	3.19	_	4.01
Information Ratio	-0.58	_	-0.98
Up Capture Ratio	91.35	_	92.89
Down Capture Ratio	95.86	_	97.59

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	16.65	17.98	18.23
Price/Book Ratio	2.98	3.38	3.60
Geom Avg Mkt Cap \$B	145.64	164.20	210.33
ROE	26.81	31.94	32.91



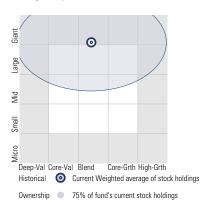
## American Funds Invmt Co of Amer R6 RICGX

## Morningstar Category Large Blend

Morningstar Index S&P 500 TR USD

## Style Analysis as of 09-30-2022

Morningstar Style Box™



## Style Breakdown

Equity

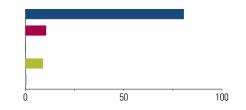
22	39	24	Large
7	4	3	MIG
0	0	0	Small

Value Blend Growth

#### Weight %

>50 25-50 10-25 0-10





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

		Fund	Bmark	Cat	Fun	4	▼ Ben	chmark	_	ategory	Δvera	ne en			
ղ.	0				Turn		Dell	Lilliain	. [] 0	ategory	Avera;	yc :			
_	Cyclical	26.41	29.69	29.07	•						Ш				
A.	Basic Materials	3.82	2.24	2.66		-	,								
A	Consumer Cyclical	9.56	11.44	10.23											
<del>,</del>	Financial Services	10.87	13.11	13.64											
<b>fi</b>	Real Estate	2.16	2.90	2.54		'									
W#	Sensitive	46.16	44.73	45.16											
	Communication Services	9.13	8.07	7.92			Ó								
ð	Energy	5.50	4.55	4.06											
Ф	Industrials	12.76	8.32	10.09		- :									
	Technology	18.77	23.79	23.09											
<b>→</b>	Defensive	27.43	25.58	25.75		•	_								
=	Consumer Defensive	9.10	7.33	7.35				Ė							
+	Healthcare	13.71	15.18	15.61											
•	Utilities	4.62	3.07	2.79											
					0%	5	10	15	20	25	30	35	40	45	50

#### **Top 15 Holdings** as of 09-30-2022 YTD Return % Name % Net Asset Cumulative % Morningstar Sector ① Capital Group Central Cash Fund 8.27 8.27 Microsoft Corp 7.00 15.27 -30.20 Technology Amazon.com Inc 3.62 18.89 -32.22 Consumer Cyclical ① Broadcom Inc 3.41 22.30 -31.42 Technology Philip Morris International Inc 2.87 -8.65 25.17 Consumer Defensive UnitedHealth Group Inc 2.42 27.59 1.52 Healthcare British American Tobacco PLC 2.41 30.00 24.01 Consumer Defensive Communication Svc Meta Platforms Inc Class A 2.39 32.39 -59.66 Apple Inc 2.37 34.76 -21.79 Technology ① General Electric Co 2.33 37.09 -34.21 Industrials **Abbott Laboratories** 2.31 39.40 -30.25 Healthcare Raytheon Technologies Corp 2.13 41.53 -3.01 Industrials ① Comcast Corp Class A 1.80 43.33 -40.15 Communication Svc Alphabet Inc Class A 1.67 45.01 -33.97 Communication Svc ⊖ Linde PLC 1.54 46.55 -21.17 Basic Materials

#### Total Holdings 211

⊕ Increase ⊖ Decrease 🕸 New to Portfolio



# 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 Brady Enright since 12-2005 Steven Watson since 12-2005 Noriko Chen since 04-2012 Andraz Razen since 07-2015 Barbara Burtin since 12-2018 Patrice Collette since 12-2018

#### **Quantitative Screens**

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

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

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

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

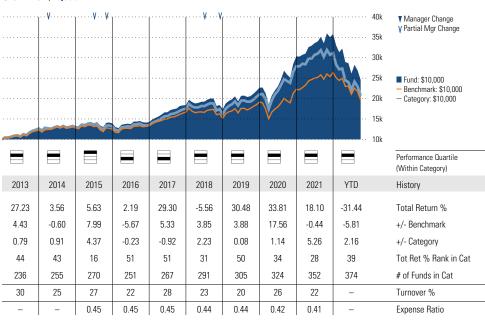
#### **Morningstar Investment Management LLC Analysis**

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**

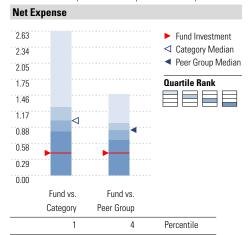
Metric	Rating	Updated
Sustainability Rating	2	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	2-Basic	02-15-2022

#### Growth of \$10,000



#### **Trailing Performance**





10/253 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-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	2.14	_	-0.39
Beta	1.09	_	1.05
R-Squared	95.96	_	88.49
Standard Deviation	21.64	19.40	21.81
Sharpe Ratio	0.35	0.25	0.22
Tracking Error	4.70	_	7.39
Information Ratio	0.49	_	-0.07
Up Capture Ratio	115.03	_	104.64
Down Capture Ratio	107.80	_	107.51

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	17.57	14.51	20.74
Price/Book Ratio	3.19	2.27	3.65
Geom Avg Mkt Cap \$B	100.40	85.50	104.55
ROE	26.11	26.08	25.43



4/381

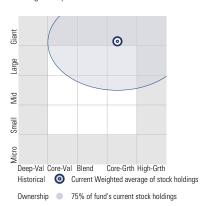
## American Funds New Perspective R6 RNPGX

#### **Morningstar Category Morningstar Index** Global Large-Stock Growth

## MSCI ACWI NR USD

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

Morningstar Style Box™



#### Style Breakdown

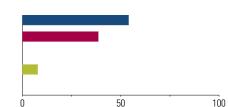
Equity

13	30	42	Large
2	5	8	Mid
0	0	1	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10



Asset Allocation as of 09-30-2022

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

		Fund	Bmark	Cat	Fund	▼ Ben	chmark	] Ca	tegory	Averaç	je_	
٠	Cyclical	36.38	34.31	31.08								
ì.	Basic Materials	5.73	4.54	3.16								
	Consumer Cyclical	17.52	11.20	12.63		· V						
<u></u>	Financial Services	12.41	15.78	14.13			■ [] <sup>*</sup>					
à	Real Estate	0.72	2.79	1.16	■[]							
Ųf.	Sensitive	37.69	41.71	45.10								
	Communication Services	7.01	7.48	7.71								
	Energy	3.85	5.25	2.08								
>	Industrials	9.20	9.59	11.06								
1	Technology	17.63	19.39	24.25				1				
+	Defensive	25.93	23.97	23.82								
Ţ	Consumer Defensive	6.63	7.83	5.62		)						
1	Healthcare	17.93	13.05	16.92								
1	Utilities	1.37	3.09	1.28								

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



Greater Asia	Fund % 11.29	Cat % 14.50
Japan	3.06	4.42
Australasia	0.30	0.40
Asia-4 Tigers	5.55	4.12
Asia-ex 4 Tigers	2.38	5.56
Not Classified	0.00	0.00

Americas	Fund % 62.73	Cat % 61.21	Greater Europe	Fund % 25.97	Cat % 24.27	Market Maturity	Fund %
North America	60.81	59.88	United Kingdom	4.84	4.85	Developed Markets	95.40
Central/Latin	1.92	1.33	W euro-ex UK	20.57	19.24	Emerging Markets	4.60
			Emrgng Europe	0.00	0.01	Not Available	0.00
			Africa	0.56	0.17		

<b>Top 10 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Capital Group Central Cash Fund	7.62	7.62	-	_
⊕ Tesla Inc	6.56	14.18	-24.70	Consumer Cyclical
	4.14	18.32	-30.20	Technology
	2.19	20.51	-30.04	Technology
	1.53	22.04	-59.66	Communication Svc
	1.45	23.49	-32.22	Consumer Cyclical
⊖ Eli Lilly and Co	1.43	24.92	18.13	Healthcare
⊕ Novo Nordisk A/S Class B	1.42	26.34	4.70	Healthcare
○ Nestle SA	1.31	27.64	-14.55	Consumer Defensive
	1.29	28.93	-33.54	Communication Svc

#### Total Holdings 300

 $\oplus$  Increase  $\ominus$  Decrease  $\ref{eq:property}$  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
Nicholas Grace since 01-2008
Christopher Thomsen since 01-2009
Winnie Kwan since 01-2009
Tomonori Tani since 10-2013
Jonathan Knowles since 01-2016
Bradford Freer since 01-2017
Akira Shiraishi since 01-2017
Lisa Thompson since 10-2019
Kirstie Spence since 12-2019
Dawid Justus since 01-2020

#### **Quantitative Screens**

Piyada Phanaphat since 01-2020

- Performance: The fund has finished in the Diversified Emerging Mkts category's top three quartiles in 10 of the 10 years it's been in existence.
- Management: The fund's management has been in place for 23.3 years.
- Style: The fund has landed in its primary style box —
   Large Growth 100 % of the time over the past three
   years.
- Net Expense: The fund's expense ratio of 0.57 is 50.86% lower than the Diversified Emerging Mkts category average.

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

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

#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
FSG Commitment	1-l ow	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

3-Year Kisk Metrics			
	Fund	Bmark	Cat
Alpha	2.85	_	-0.04
Beta	0.93	_	1.01
R-Squared	83.08	_	89.15
Standard Deviation	19.53	19.18	20.61
Sharpe Ratio	0.10	-0.05	-0.05
Tracking Error	8.15	_	6.63
Information Ratio	0.34	_	-0.10
Up Capture Ratio	101.44	_	101.61
Down Capture Ratio	90.68	_	102.73

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	15.80	9.97	10.69
Price/Book Ratio	2.67	1.51	1.71
Geom Avg Mkt Cap \$B	49.35	30.78	38.21
ROE	23.44	17.48	18.39





## American Funds New World R6 RNWGX

## Morningstar CategoryMorningstar IndexDiversified Emerging MktsMSCI EM NR USD

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

Morningstar Style Box™



#### Style Breakdown

Equity

14	30	41	Large
2	5	8	Mid
0	1	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10



50

Asset Allocation as of 09-30-2022

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

100.00

100.00

Sec	ctor Weighting as of 09-3	30-2022			
		Fund	Bmark	Cat	Fund • Benchmark [] Category Average
<u></u>	Cyclical	38.94	46.87	45.10	
A	Basic Materials	9.21	8.82	6.85	
A	Consumer Cyclical	12.36	13.38	14.50	
<b>P</b>	Financial Services	15.63	22.67	21.97	
命	Real Estate	1.74	2.00	1.78	
W	Sensitive	36.60	39.51	40.66	
d	Communication Services	5.61	10.09	9.06	
•	Energy	4.49	5.41	5.15	
Ф	Industrials	9.78	5.71	5.98	
	Technology	16.72	18.30	20.47	
<b>→</b>	Defensive	24.45	13.61	14.23	
Ħ	Consumer Defensive	7.84	6.38	7.44	
+	Healthcare	14.34	4.11	4.94	
•	Utilities	2.27	3.12	1.85	
					0% 5 10 15 20 25 30 35 40 45 5

100

Total

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



Greater Asia	Fund % 39.96	Cat % 75.82	
Japan	2.37	0.09	
Australasia	0.71	0.04	
Asia-4 Tigers	6.72	24.94	
Asia-ex 4 Tigers	30.16	50.75	
Not Classified	0.00	0.00	

Americas	Fund % 39.27	Cat % 14.15	Greater Europe	Fund % 20.78	Cat % 10.02	Market Maturity	Fund %
North America	30.17	3.05	United Kingdom	2.68	0.64	Developed Markets	59.14
Central/Latin	9.10	11.10	W euro-ex UK	16.04	1.63	Emerging Markets	40.86
			Emrgng Europe	0.17	1.13	Not Available	0.00
			Africa	1.89	6.62		

<b>Top 10 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Capital Group Central Cash Fund	9.10	9.10	-	_
	3.08	12.18	-30.20	Technology
	2.15	14.32	1.34	Financial Services
Taiwan Semiconductor Manufacturing Co Ltd	1.84	16.16	-30.04	Technology
Kweichow Moutai Co Ltd Class A	1.75	17.91	-7.71	Consumer Defensive
⊕ Reliance Industries Ltd	1.71	19.63	0.71	Energy
⊕ Novo Nordisk A/S Class B	1.31	20.94	4.70	Healthcare
⊕ Thermo Fisher Scientific Inc	1.27	22.21	-23.85	Healthcare
⊕ AIA Group Ltd	1.23	23.44	-14.84	Financial Services
⊕ Eli Lilly and Co	1.20	24.64	18.13	Healthcare

#### Total Holdings 582

⊕ Increase ⊕ Decrease 
★ New to Portfolio



## **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 22.02 years.

Style Consistency is not calculated for Fixed Income funds.

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

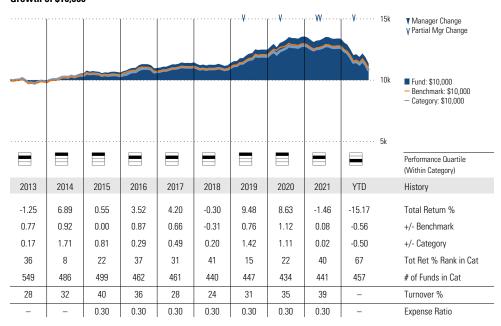
#### **Morningstar Investment Management LLC Analysis**

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

#### **ESG Metrics**

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

#### Growth of \$10,000



## **Trailing Performance**



Net Expe	ense		
4.62			► Fund Investment  ☐ Category Median ☐ Peer Group Median
3.59 3.08 2.57			Quartile Rank
2.05 1.54			
1.03 0.51	⊲		
0.00			
	Fund vs. Category	Fund vs. Peer Group	
	21	35	Percentile

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

142/408

Rank

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	0.35	_	0.06
Beta	1.04	_	1.00
R-Squared	95.90	_	91.94
Standard Deviation	5.71	5.36	5.61
Sharpe Ratio	-0.62	-0.70	-0.67
Tracking Error	1.18	-	1.53
Information Ratio	0.16	-	-0.06
Up Capture Ratio	113.98	-	104.83
Down Capture Ratio	106.21	-	102.46

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	6.58	4.43	5.95
Avg Eff Maturity	8.50	_	8.08



97/469

Duration

# **Baird Aggregate Bond Inst** BAGIX

# BAGIX Asset Allocation as of 09-30-2022

Morningstar Category Intermediate Core Bond Morningstar Index Bloomberg US Agg Bond TR USD





Asset Class	Net %	Cat%
US Stocks	0.00	0.05
Non-US Stocks	0.00	0.00
Bonds	92.52	94.93
Cash	3.43	2.71
Other	4.05	2.30
Total	100.00	100.00

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	58.90	3.53	48.24
AA	3.70	74.59	11.54
A	12.90	10.82	24.71
BBB	23.90	8.32	12.75
BB	0.60	0.28	1.25
В	0.00	0.00	0.50
Below B	0.00	0.00	0.28
Not Rated	0.00	2.46	0.73

Sector Weighting as of 09-		Б	0				. П ~					
	Fund	Bmark	Cat	Fund		Benchma	ark [] C	ategory	Average			
Government	28.46	_	30.91		:	1		:				
Treasury	28.43	_	24.98									
Inflation – Protected	0.00	-	1.47									
Agency/Quasi Agency	0.03	_	1.12									
Other Government Related	0.00	_	3.34	į								
Corporate	38.86	-	26.16									
Corporate Bond	34.88	_	24.80									
Bank Loan	0.00	_	0.05									
Convertible	3.98	_	1.27									
Preferred	0.00	_	0.04									
Securitized	28.13	-	34.55									
Agency MBS Pass-Through	16.70	_	22.81									
Agency MBS ARM	0.00	_	0.18									
Agency MBS CM0	2.92	_	2.43									
Non-Agency Residential MBS	0.39	_	0.20									
Commercial MBS	4.61	_	2.81									
Asset-Backed	3.51	-	6.12									
Covered Bond	0.00	_	0.00									
Municipal	1.08	-	0.67	10								
Cash & Equivalents	3.47	-	5.99									
Other	0.00	-	1.74	[								
				0%	5	10	15	20	25	30	35	4(

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

Total Holdings 1528

⊕ Increase ⊝ Decrease 🕸 New to Portfolio



## BlackRock High Yield Bond Instl BHYIX

Morningstar Category High Yield Bond Morningstar Index

ICE BofA US High Yield TR USD

#### Portfolio Manager(s)

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

#### **Quantitative Screens**

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 14.76 years.

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.58 is 35.56% lower than the High Yield Bond category average.

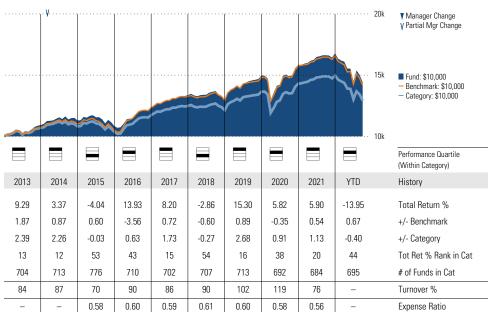
#### **Morningstar Investment Management LLC Analysis**

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

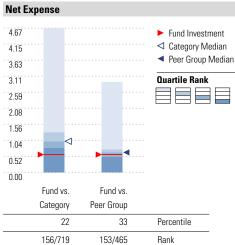
#### **ESG Metrics**

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

## Growth of \$10,000



#### **Trailing Performance Total Return %** as of 09-30-2022 Fund Benchmark Category Average annual, if greater than 1 year 3 Month 1 Year 3 year 10 year Since Inception 5 year -0.35-13.18 -0.32 1.73 4.13 6.32 Fund Return % -0.68 -14.06 -0.67 1.41 3.86 7.47 Benchmark Return % -13 13 -0.83 0.94 3.06 -0.85 Category Average % 28 42 36 24 11 % Rank in Category 716 685 637 582 403 # of Funds in Category



3-Year RISK Wetrics			
	Fund	Bmark	Cat
Alpha	0.37	_	-0.22
Beta	1.01	_	0.95
R-Squared	99.40	_	95.19
Standard Deviation	11.30	11.14	10.79
Sharpe Ratio	-0.03	-0.06	-0.07
Tracking Error	0.88	_	2.50
Information Ratio	0.39	_	-0.16
Up Capture Ratio	101.04	_	91.62
Down Capture Ratio	98.27	_	93.77

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



## BlackRock High Yield Bond Instl BHYIX

Asset Allocation	an of 00 20 202
ASSEL AHUCALIUM	as 01 03-30-202

**Morningstar Index** 

ICE BofA US High Yield TR USD

<b>Style Analys</b>	<b>is</b> as of 09-30-2022
Style Breakdov	vn
Fixed Income	Quality
	High
	Mid
	Low
Ltd Mod Ex	xt

0	50	100	Total	100.00	100.00
			Other	1.40	4.13
			Cash	2.37	3.24
			Bonds	93.46	91.71
			Non-US Stocks	0.00	0.03
			US Stocks	2.77	0.89
			Asset Class	Net %	Cat%
ASSEL AIIUGALIU	JII ds 01 03-30-2022				

**Morningstar Category** 

High Yield Bond

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

Sector Weighting as of 09-3	30-2022					
	Fund	Bmark	Cat	Fund	▼ Benchmark	Category Average
Government	0.03	_	2.39	10		
Treasury	0.00	_	0.69	0		
Inflation – Protected	0.00	_	0.01	İ		
Agency/Quasi Agency	0.03	_	0.12			
Other Government Related	0.00	_	1.57	10		
Corporate	96.49	_	88.30			
Corporate Bond	80.60	_	81.83			
Bank Loan	14.42	_	5.20			
Convertible	1.47	_	1.18	()		
Preferred	0.00	_	0.09	İ		
Securitized	0.33	-	2.07	1[		
Agency MBS Pass-Through	0.00	_	0.06			
Agency MBS ARM	0.00	_	0.00			
Agency MBS CMO	0.00	_	0.22			
Non-Agency Residential MBS	0.00	_	0.14			
Commercial MBS	0.00	_	0.61	0		
Asset-Backed	0.33	_	1.04	0		
Covered Bond	0.00	_	0.00			
Municipal	0.00	-	0.03			
Cash & Equivalents	3.05	-	6.13			
Other	0.10	-	1.08	10		

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

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
Name	iviaturity Date	/0 INEL ASSEL	Cumulative /6	Tixed illcome Sector
⊖ BlackRock Liquidity T-Fund Instl	_	2.61	2.61	_
TransDigm, Inc. 6.25%	03-2026	1.34	3.95	_
⊕ iShares iBoxx \$ High Yield Corp Bd ETF	_	0.78	4.73	-
⊕ Clarios Global Lp 8.5%	05-2027	0.73	5.47	-
⊕ Ascent Resources Utica Holdings LI TI	11-2025	0.69	6.15	_
⊕ Altice France Holdings S A 10.5%	05-2027	0.68	6.83	_
∋ Brand Energy & Infrastructure Serv TI	06-2024	0.56	7.40	_
⊕ Alliant Holdings Intermediate LLC/Alliant Holdings Co-Issuer Inc 6.75%	10-2027	0.53	7.93	-
Athenahealth Group Inc TI-B	02-2029	0.52	8.45	_
Verscend Escrow Corp 9.75%	08-2026	0.52	8.97	_

Total Holdings 1625

⊕ Increase ⊖ Decrease 🕸 New to Portfolio



## PIMCO Commodity Real Return Strat I2 PCRPX

Growth of \$10,000

Morningstar Category Commodities Broad Basket Morningstar Index

Bloomberg Commodity TR USD

▼ Manager Change

V Partial Mgr Change

#### Portfolio Manager(s)

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

#### **Quantitative Screens**

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

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

Style Consistency is not calculated for Fixed Income funds.

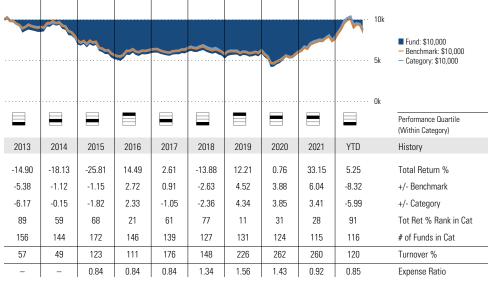
Net Expense: The fund's expense ratio of 0.86 is 17.31% lower than the Commodities Broad Basket category average.

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

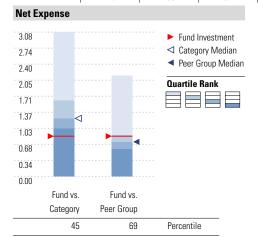
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2022







48/70 Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

Rank

3-Year KISK Welrics			
	Fund	Bmark	Cat
Alpha	-0.80	_	0.25
Beta	1.17	_	1.03
R-Squared	96.07	-	86.02
Standard Deviation	22.47	18.76	21.13
Sharpe Ratio	0.69	0.73	0.70
Tracking Error	5.52	_	7.77
Information Ratio	0.18	_	0.08
Up Capture Ratio	112.97	_	102.21
Down Capture Ratio	115.51	-	102.72

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



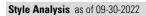
53/117



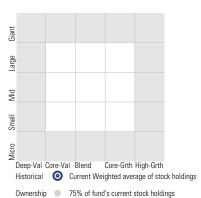
# PIMCO Commodity Real Return Strat I2 PCRPX

#### **Morningstar Category Morningstar Index**

Commodities Broad Basket Bloomberg Commodity TR USD



Morningstar Style Box™



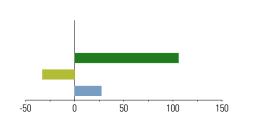


Equity



Weight %

>50 25-50 10-25 0-10



Asset Allocation as of 09-30-2022

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

		Fund	Bmark	Cat	Fund	▼ Benchmark	Catego	y Average	
Դ	Cyclical	_	_	47.24					
A.	Basic Materials	_	-	47.24					
<b>A</b>	Consumer Cyclical	_	-	0.00	ĺ				
æ	Financial Services	_	-	0.00	0				
<b>fi</b>	Real Estate	_	-	0.00	Ö				
M	Sensitive	-	_	41.11					
d	Communication Services	_	_	0.00	Ò				
•	Energy	_	_	38.04					
<b>\$</b>	Industrials	_	_	3.07					
	Technology	_	_	0.00	Ò				
<b>→</b>	Defensive	-	-	11.65					
Ę	Consumer Defensive	_	_	11.04					
ŀ	Healthcare	_	_	0.61					
?	Utilities	_	_	0.00	ĺ				

<b>Top 15 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ United States Treasury Notes 0.125%	21.22	21.22	_	_
□ U S TIPS REV REPO	21.20	42.42	_	-
□ U S TIPS REV REPO	21.17	63.59	_	-
☆ Offset: Unsettled Trades	17.24	80.83	_	-
① 2 Year Treasury Note Future Sept 22	12.37	93.20	-	-
① United States Treasury Notes 0.625%	9.25	102.45	_	_
⊕ 10 Year Treasury Note Future Sept 22	8.54	110.99	_	-
○ United States Treasury Notes 0.125%	8.40	119.39	_	-
	8.26	127.65	_	-
① 3 Month Euribor TAS Future Mar 23	7.05	134.70	-	-
☆ Cash Offset	6.91	141.61	_	_
⊕ Euro Schatz Future Sept 22	6.87	148.48	_	-
Pimco Cayman Cmdty Fd Ltd Instl	6.82	155.30	_	-
① United States Treasury Notes 0.75%	6.69	161.99	_	-
─ EUROPEAN MONETARY UNION EURO Sold	6.04	168.04	_	_

**Total Holdings 859** 

⊕ Increase ⊕ Decrease 🕸 New to Portfolio



## PIMCO Income I2 PONPX

#### Portfolio Manager(s)

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

#### **Quantitative Screens**

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

Management: The fund's management has been in place for 15.52 years.

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.61 is 38.38% lower than the Multisector Bond category average.

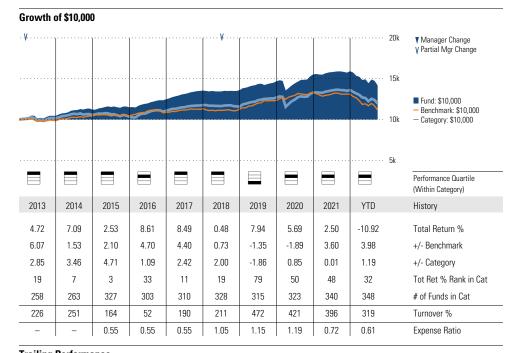
#### **Morningstar Investment Management LLC Analysis**

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.

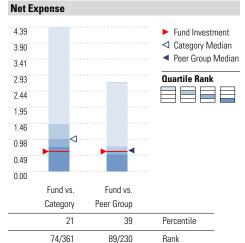
Morningstar Category

Morningstar Index

Multisector Bond Bloomberg US Universal TR USD







3-Year KISK Wetrics			
	Fund	Bmark	Cat
Alpha	2.75	_	2.12
Beta	0.95	_	1.04
R-Squared	53.60	_	47.77
Standard Deviation	7.14	5.51	8.81
Sharpe Ratio	-0.10	-0.65	-0.19
Tracking Error	4.87	-	6.61
Information Ratio	0.57	-	0.32
Up Capture Ratio	115.75	-	121.01
Down Capture Ratio	78.36	-	94.57

Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	2.94	4.55	4.01
Avg Eff Maturity	4.83	7.69	7.95



# PIMCO Income I2 PONPX

# Style Analysis as of 09-30-2022 Style Breakdown Fixed Income Ouality Motion Ltd Mod Ext Duration

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

#### Multisector Bond Bloomberg US Universal TR USD Asset Allocation as of 09-30-2022 Asset Class Cat% Net % US Stocks 1.56 1.12 Non-US Stocks 0.41 0.18 Bonds 124.99 96.06 Cash -31.14 0.11 Other 4.61 2.08 Ó 50 100 150 Total 100.00 100.00

**Morningstar Category** 

**Morningstar Index** 

Sector Weighting as of 09-	30-2022											
	Fund	Bmark	Cat	Fund	<b>▼</b> B	enchmark	[] Ca	itegory A	verage			
Government	26.92	_	23.86									
Treasury	3.04	_	8.65									
Inflation – Protected	1.26	_	0.43	()								
Agency/Quasi Agency	0.21	_	0.96									
Other Government Related	22.41	_	13.82		-							
Corporate	7.38	-	36.52									
Corporate Bond	5.00	_	30.82									
Bank Loan	1.02	_	2.84									
Convertible	1.08	_	2.38									
Preferred	0.28	_	0.48	(								
Securitized	20.33	_	26.27									
Agency MBS Pass-Through	8.24	_	7.83									
Agency MBS ARM	0.00	_	0.00									
Agency MBS CMO	0.64	_	0.61									
Non-Agency Residential MBS	3.19	_	1.59									
Commercial MBS	0.20	_	5.44	1								
Asset-Backed	8.06	_	10.80		:							
Covered Bond	0.00	_	0.00									
Municipal	0.04	-	0.37	[								
Cash & Equivalents	24.67	-	7.42									
Other	18.58	_	5.27									
				0%	5	10	15	20	25	30	35	40

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

Total Holdings 8056

⊕ Increase ⊝ Decrease 🕸 New to Portfolio



## 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 8.02 years.

Style Consistency is not calculated for Fixed Income funds.

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

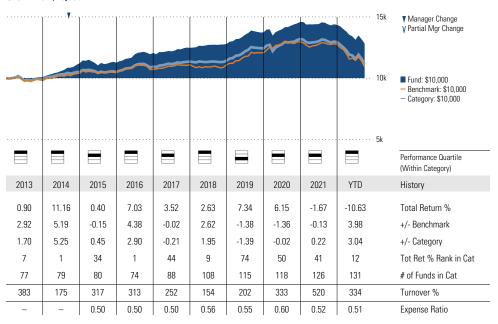
#### **Morningstar Investment Management LLC Analysis**

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

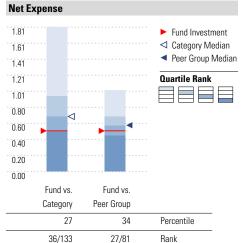
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	2	04-30-2022

#### Growth of \$10,000







3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	-0.27	_	-0.51
Beta	0.68	_	0.93
R-Squared	60.60	_	65.72
Standard Deviation	4.66	5.36	6.17
Sharpe Ratio	-0.64	-0.70	-0.68
Tracking Error	3.40	_	3.89
Information Ratio	0.23	_	-0.06
Up Capture Ratio	71.64	_	102.95
Down Capture Ratio	73.54	_	105.74

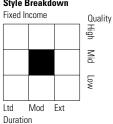
Portfolio Metrics			
I OLUONO MICUICS			
	Fund	Bmark	Cat
Avg Eff Duration	6.67	4.43	6.92
Avg Eff Maturity	7.68	_	7.77

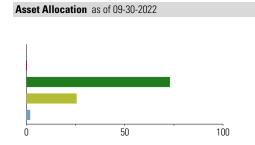


# PIMCO International Bond (USD-Hdg) Instl PFORX

Morningstar Category Global Bond-USD Hedged Morningstar Index Bloomberg US Agg Bond TR USD

Style Analysis as of 09-30-2022 Style Breakdown Fixed Income Ouality





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

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

Sector Weighting as of 09-			_			_		п -						
	Fund	Bmark	Cat	Fund		▼ Ben	chmark	: [] Ca	ategory	Avera	ge			
Government	40.62	-	48.81											
Treasury	5.10	_	36.04											
Inflation – Protected	0.41	_	1.12	1[										
Agency/Quasi Agency	1.49	_	5.97											
Other Government Related	33.62	_	5.68											
Corporate	3.60	_	12.31											
Corporate Bond	2.60	_	11.41											
Bank Loan	0.06	_	0.11											
Convertible	0.76	_	0.79	•										
Preferred	0.18	_	0.00	ĺ										
Securitized	8.07	_	5.28											
Agency MBS Pass-Through	2.80	_	2.75											
Agency MBS ARM	0.00	_	0.00											
Agency MBS CMO	0.02	_	0.32	0										
Non-Agency Residential MBS	1.24	_	0.09											
Commercial MBS	0.25	_	0.46	0										
Asset-Backed	2.96	_	1.37											
Covered Bond	0.80	_	0.29	D.										
Municipal	0.03	-	0.10											
Cash & Equivalents	31.75	_	19.83											
Other	15.04	_	13.55											
				0%	5	10	15	20	25	30	35	40	45	50

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

Total Holdings 1724

⊕ Increase ⊝ Decrease 🕸 New to Portfolio



## Vanguard 500 Index Admiral VFIAX

## Morningstar Category Large Blend

Morningstar Index S&P 500 TR USD

#### Portfolio Manager(s)

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

#### Quantitative Screens

- ✓ Performance: The fund has finished in the Large Blend category's top three quartiles in 10 of the 10 years it's been in existence.
- Management: The fund's management has been in place for 6.43 years.
- Style: The fund has landed in its primary style box Large Blend — 100 % of the time over the past three years.
- Net Expense: The fund's expense ratio of 0.04 is 95% lower than the Large Blend category average.

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

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

#### **ESG Metrics**

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

#### Growth of \$10,000



#### **Trailing Performance Total Return %** as of 09-30-2022 ■ Fund 5 Benchmark Category -10 -15 -20 Average annual, if greater than 1 year 3 Month 10 year Since Inception 1 Year 3 yea 5 year Fund Return % -4.89 -15.51 8.12 9.20 11.66 6.58 10.51 -4.88 -15.47 8.16 9.24 11.70 Benchmark Return % -4 99 -15 83 6 77 7 74 10.38 Category Average % 48 42 23 20 13 % Rank in Category 1.435 1.376 1.250 1.131 828 # of Funds in Category



3-1 ear hisk weitics			
	Fund	Bmark	Cat
Alpha	-0.04	_	-1.32
Beta	1.00	_	0.96
R-Squared	100.00	_	95.48
Standard Deviation	20.30	20.30	19.87
Sharpe Ratio	0.45	0.45	0.37
Tracking Error	0.01	_	4.01
Information Ratio	-3.65	_	-0.98
Up Capture Ratio	99.95	_	92.89
Down Capture Ratio	100.07	_	97.59

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	19.65	17.98	18.23
Price/Book Ratio	3.73	3.38	3.60
Geom Avg Mkt Cap \$B	182.15	164.20	210.33
ROE	32.18	31.94	32.91



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

Asset Allocation as of 09-30-2022

#### **Morningstar Category** Morningstar Index

#### Large Blend S&P 500 TR USD

## Style Analysis as of 09-30-2022

Morningstar Style Box™



#### Style Breakdown

Equity

19	29	36	Laige
4	9	2	MIN
0	0	0	ollidii

Value Blend Growth

Weight %

>50 25-50 10-25 0-10



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

Sec	ctor Weighting as of 09-3	30-2022			
		Fund	Bmark	Cat	Fund Benchmark Category Average
Դ	Cyclical	29.27	29.69	29.07	
A.	Basic Materials	2.25	2.24	2.66	
A	Consumer Cyclical	11.21	11.44	10.23	
<b>£</b>	Financial Services	12.96	13.11	13.64	
<b>fi</b>	Real Estate	2.85	2.90	2.54	
Ma.	Sensitive	46.26	44.73	45.16	)
ď	Communication Services	8.42	8.07	7.92	
ð	Energy	4.68	4.55	4.06	
¢	Industrials	8.47	8.32	10.09	
	Technology	24.69	23.79	23.09	
<b>→</b>	Defensive	24.48	25.58	25.75	
=	Consumer Defensive	7.19	7.33	7.35	
٠	Healthcare	14.16	15.18	15.61	
•	Utilities	3.13	3.07	2.79	
					0% 5 10 15 20 25 30 35 40 45 5

<b>Top 15 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Apple Inc	7.20	7.20	-21.79	Technology
Microsoft Corp	5.83	13.03	-30.20	Technology
⊕ Amazon.com Inc	3.30	16.33	-32.22	Consumer Cyclical
⊕ Tesla Inc	2.07	18.40	-24.70	Consumer Cyclical
⊕ Alphabet Inc Class A	1.93	20.33	-33.97	Communication Svc
⊕ Alphabet Inc Class C	1.80	22.13	-33.54	Communication Svc
€ Berkshire Hathaway Inc Class B	1.51	23.64	-10.70	Financial Services
Ð UnitedHealth Group Inc	1.45	25.10	1.52	Healthcare
Ð Johnson & Johnson	1.26	26.36	-2.57	Healthcare
⊕ Exxon Mobil Corp	1.20	27.56	47.00	Energy
NVIDIA Corp	1.13	28.69	-58.69	Technology
⊕ Meta Platforms Inc Class A	1.11	29.80	-59.66	Communication Svc
D JPMorgan Chase & Co	1.00	30.79	-32.11	Financial Services
Procter & Gamble Co	0.99	31.78	-21.17	Consumer Defensive
D Visa Inc Class A	0.97	32.75	-17.50	Financial Services

Total Holdings 506

⊕ Increase ⊕ Decrease 🕸 New to Portfolio



## Vanguard Developed Markets Index Admiral VTMGX

**Morningstar Category** Foreign Large Blend

Morningstar Index MSCI ACWI Ex USA NR USD

#### Portfolio Manager(s)

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

#### **Quantitative Screens**

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

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

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

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

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

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

#### **ESG Metrics**

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

#### Growth of \$10,000



#### **Trailing Performance**



Net Expe	ense		
4.41			Fund Investment
3.92			Category Median
3.43			◆ Peer Group Median
2.94			Quartile Rank
2.45			
1.96			
1.47	□ □		
0.98			
0.49			
0.00		·····	
	Fund vs.	Fund vs.	
	Category	Peer Group	
	4	32	Percentile

	32/796	72/228	Rank	
Peer gro	up is a subset of	f the category and	d includes fund	ls with the
same ma	nagement style	(active vs. passiv	ve) and similar	share class
characte	ristics.			

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	0.53	_	0.08
Beta	1.06	_	1.01
R-Squared	96.96	_	93.77
Standard Deviation	19.95	18.48	19.26
Sharpe Ratio	0.00	-0.03	-0.02
Tracking Error	3.67	_	4.83
Information Ratio	0.07	_	-0.01
Up Capture Ratio	108.74	_	103.08
Down Capture Ratio	106.85	_	103.04

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



# Vanguard Developed Markets Index Admiral VTMGX

## **Morningstar Category**Foreign Large Blend

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

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

Morningstar Style Box™



#### Style Breakdown

Equity

			Large
26	28	22	Эe
6	9	5	MIM
2	2	1	SIIIdii

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

#### Asset Allocation as of 09-30-2022



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

	ctor Weighting as of 09-3								по					
		Fund	Bmark	Cat	Fund	i i	Bench	mark	Categ	ory Ave	erage			,
b	Cyclical	40.66	42.29	38.90										
A.	Basic Materials	8.06	8.16	7.50			0							
<b>A</b>	Consumer Cyclical	10.40	10.91	10.70										
<b>,</b>	Financial Services	18.18	20.73	18.44										
ŧ	Real Estate	4.02	2.49	2.26										
M	Sensitive	36.25	35.38	35.46										
	Communication Services	4.84	6.35	5.49										
ð	Energy	5.99	6.26	5.64										
¢	Industrials	15.66	11.87	14.29										
	Technology	9.76	10.90	10.04			i T							
<b>→</b>	Defensive	23.08	22.32	25.63										
=	Consumer Defensive	8.85	9.14	10.18										
٠	Healthcare	11.02	9.95	12.44		- 1								
•	Utilities	3.21	3.23	3.01		0								
					0%	5	10	15	20	25	30	35	40	-

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



	Fund %	Cat %
Greater Asia	37.33	36.02
Japan	21.06	18.20
Australasia	7.63	5.40
Asia-4 Tigers	8.36	6.89
Asia-ex 4 Tigers	0.28	5.53
Not Classified	0.00	0.00

Americas	Fund % 11.52	Cat % 9.12	Greater Europe	Fund % 51.16	Cat % 54.87	Market Maturity	Fund %
North America	11.42	7.95	United Kingdom	12.33	13.86	Developed Markets	99.38
Central/Latin	0.10	1.17	W euro-ex UK	37.80	39.70	Emerging Markets	0.62
			Emrgng Europe	0.23	0.06	Not Available	0.00
			Africa	0.80	1.25		

<b>Top 10 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Nestle SA	1.69	1.69	-14.55	Consumer Defensive
	1.31	3.00	_	-
Roche Holding AG	1.16	4.16	-13.08	Healthcare
⊕ Samsung Electronics Co Ltd	1.09	5.25	_	Technology
⊕ Shell PLC	1.04	6.29	42.21	Energy
⊕ AstraZeneca PLC	1.00	7.30	17.14	Healthcare
⊕ ASML Holding NV	0.98	8.27	-37.96	Technology
① Toyota Motor Corp	0.95	9.23	-9.84	Consumer Cyclical
Novartis AG	0.88	10.10	-3.41	Healthcare
⊕ Novo Nordisk A/S Class B	0.87	10.98	4.70	Healthcare

#### Total Holdings 4132

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



## 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**

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

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

Style Consistency is not calculated for Fixed Income funds.

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

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

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

#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2022

#### Growth of \$10,000



#### **Trailing Performance**





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

21/166

Rank

3-Year KISK Wetrics			
	Fund	Bmark	Cat
Alpha	-0.09	_	0.20
Beta	0.97	-	0.91
R-Squared	99.43	_	88.08
Standard Deviation	6.68	6.87	6.78
Sharpe Ratio	0.04	0.06	0.10
Tracking Error	0.54	_	2.52
Information Ratio	-0.19	_	-0.20
Up Capture Ratio	95.25	_	92.73
Down Capture Ratio	96.11	_	90.87

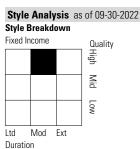
Portfolio Metrics			
	Fund	Bmark	Cat
Avg Eff Duration	7.37	4.52	6.08
Avg Eff Maturity	7.70	-	6.57

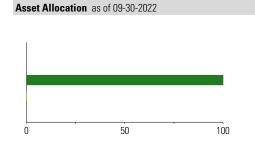


20/217

# Vanguard Inflation-Protected Secs Adm VAIPX

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





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

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

Sector Weighting as of 09-3	30-2022					
	Fund	Bmark	Cat	Fund	▼ Benchmark	Category Average
Government	99.97	_	89.38			
Treasury	0.00	-	0.32			
Inflation – Protected	99.97	-	83.82			
Agency/Quasi Agency	0.00	-	0.03	0		
Other Government Related	0.00	_	5.21	0		
Corporate	0.00	_	2.54	10		
Corporate Bond	0.00	-	2.26			
Bank Loan	0.00	-	0.18	0		
Convertible	0.00	-	0.10			
Preferred	0.00	_	0.00	0		
Securitized	0.00	_	4.91			
Agency MBS Pass-Through	0.00	_	0.60	0		
Agency MBS ARM	0.00	_	0.00			
Agency MBS CMO	0.00	_	0.41			
Non-Agency Residential MBS	0.00	_	0.24			
Commercial MBS	0.00	_	0.84	0		
Asset-Backed	0.00	_	2.64			
Covered Bond	0.00	_	0.18			
Municipal	0.00	_	0.02			
Cash & Equivalents	0.03	_	2.40	10		
Other	0.00	_	0.74	()		

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

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
United States Treasury Notes	_	6.32	6.32	_
⊕ United States Treasury Notes	_	4.11	10.44	_
United States Treasury Notes	_	3.73	14.17	_
⊕ United States Treasury Notes	_	3.54	17.71	_
⊕ United States Treasury Notes	_	3.33	21.04	-
United States Treasury Notes	_	3.23	24.27	_
⊖ United States Treasury Notes	_	2.99	27.26	_
United States Treasury Notes	_	2.88	30.14	_
⊕ United States Treasury Notes	_	2.80	32.94	_
United States Treasury Notes	_	2.74	35.68	_

Total Holdings 49

⊕ Increase ⊝ Decrease 🕸 New to Portfolio



## Vanguard International Growth Adm VWILX

**Morningstar Category** Foreign Large Growth

Morningstar Index MSCI EAFE NR USD

#### Portfolio Manager(s)

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

#### **Quantitative Screens**

- Performance: The fund has finished in the Foreign Large Growth category's top three quartiles in 8 of the 10 years it's been in existence.
- Management: The fund's management has been in place for 12.76 years.
- Style: The fund has landed in its primary style box Large Growth — 100 % of the time over the past three
- Net Expense: The fund's expense ratio of 0.32 is 69.52% lower than the Foreign Large Growth category average.

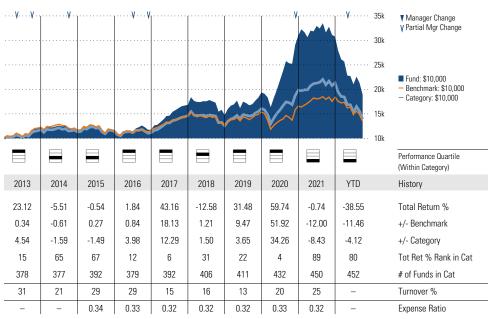
#### **Morningstar Investment Management LLC Analysis**

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

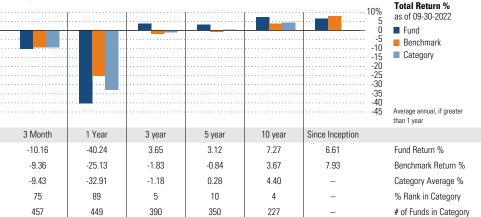
#### **ESG Metrics**

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

## Growth of \$10,000



## **Trailing Performance**



3-Year Risk Metrics

Down Capture Ratio

Net Exp	ense		
3.31			► Fund Investment
2.94			Category Median
2.57			<ul> <li>Peer Group Median</li> </ul>
2.21			Quartile Rank
1.84			
1.47			
1.10			
0.74			
0.37	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	
0.00			
	Fund vs.	Fund vs.	
	Category	Peer Group	
	4	8	Percentile

	19/457	31/391	Rank			
Peer group is a subset of the category and includes funds with the						
same management style (active vs. passive) and similar share class						
characterist	ce					

#### Fund **Bmark** Cat Alpha 6.31 0.70 0.97 Reta 1 04 R-Squared 72.31 83.00 Standard Deviation 23 42 19 12 20 41 Sharpe Ratio 0.24 -0.04 0.00 Tracking Error 12.35 8.47 Information Ratio 0.44 0.06 Up Capture Ratio 116.70 105.45

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	19.92	11.53	17.83
Price/Book Ratio	3.66	1.45	2.68
Geom Avg Mkt Cap \$B	73.94	37.04	42.78
ROE	18.47	18.66	21.82

95.06

103.29



# Vanguard International Growth Adm VWILX

## Morningstar Category Foreign Large Growth N

#### **Morningstar Index** MSCI EAFE NR USD

## Style Analysis as of 09-30-2022

Morningstar Style Box™



#### Style Breakdown

Equity

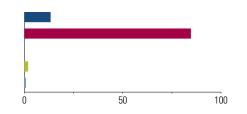
10	33	44	Large
1	4	8	Mid
0	0	0	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

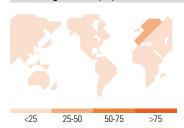
#### Asset Allocation as of 09-30-2022



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

Sec	ctor Weighting as of 09-	30-2022											
		Fund	Bmark	Cat	Fund	· •	Benchma	ark [] C	ategory	Average			
Դ	Cyclical	37.82	38.61	34.60			,						
A	Basic Materials	0.51	7.50	6.46		0	' i						
A	Consumer Cyclical	27.26	10.50	12.47									
<del>,</del>	Financial Services	10.05	17.65	14.87				0	7				
侖	Real Estate	0.00	2.96	0.80	[]	1							
W	Sensitive	38.35	33.04	39.45									
d	Communication Services	7.77	5.11	4.52									
•	Energy	2.21	5.02	3.90				į					
Ф	Industrials	10.61	14.77	15.63		- :							
	Technology	17.76	8.14	15.40			<b>V</b>						
<b>→</b>	Defensive	23.82	28.34	25.94									
Ħ	Consumer Defensive	5.96	11.17	9.56									
٠	Healthcare	16.84	13.99	15.41									
•	Utilities	1.02	3.18	0.97		7							
					0%	5	10	15	20	25	30	35	4

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



Greater Asia	Fund % 30.70	Cat % 27.73	
Japan	7.36	11.15	
Australasia	0.61	1.91	
Asia-4 Tigers	7.97	6.07	
Asia-ex 4 Tigers	14.76	8.60	
Not Classified	0.00	0.00	

Americas	Fund % 20.83	Cat % 15.17	Greater Europe	Fund % 48.47	Cat % 57.11	Market Maturity	Fund %
North America	15.22	13.28	United Kingdom	7.14	12.20	Developed Markets	79.63
Central/Latin	5.61	1.89	W euro-ex UK	41.00	44.27	Emerging Markets	20.37
			Emrgng Europe	0.00	0.03	Not Available	0.00
			Africa	0.33	0.61		

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
ACMI Halding NV	5.84	E 04	27.00	Taabaalaay
		5.84	-37.96	Technology
	4.56	10.40	-38.61	Consumer Cyclical
→ Tencent Holdings Ltd	3.88	14.28	-44.79	Communication Svc
⊕ Adyen NV	3.55	17.83	-43.68	Technology
Taiwan Semiconductor Manufacturing Co Ltd	3.47	21.30	-30.04	Technology
⊖ Tesla Inc	3.23	24.54	-24.70	Consumer Cyclical
Moderna Inc	3.18	27.72	-53.44	Healthcare
⊖ Kering SA	2.85	30.57	-33.43	Consumer Cyclical
Illumina Inc	2.54	33.11	-49.85	Healthcare
⊕ Alibaba Group Holding Ltd Ordinary Shares	2.45	35.56	-17.44	Consumer Cyclical

#### **Total Holdings 145**

⊕ Increase ⊕ Decrease 
★ New to Portfolio



## Vanguard International Value Inv VTRIX

Morningstar Category Foreign Large Value Morningstar Index MSCI EAFE NR USD

#### Portfolio Manager(s)

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

#### **Quantitative Screens**

- Performance: The fund has finished in the Foreign Large Value category's top three quartiles in 8 of the 10 years it's been in existence.
- Management: The fund's management has been in place for 12.35 years.
- Style: The fund has landed in its primary style box —
   Large Value 81.82 % of the time over the past three vears.
- 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	08-31-2022
Carbon Risk Score	Medium Risk	06-30-2022

#### Growth of \$10,000







3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	1.38	_	0.34
Beta	1.04	_	1.04
R-Squared	92.26	_	89.47
Standard Deviation	20.65	19.12	21.05
Sharpe Ratio	0.03	-0.04	-0.02
Tracking Error	5.79	_	7.05
Information Ratio	0.18	_	-0.02
Up Capture Ratio	104.09	_	102.74
Down Capture Ratio	99.77	_	102.75

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	13.50	11.53	8.37
Price/Book Ratio	1.52	1.45	1.03
Geom Avg Mkt Cap \$B	32.18	37.04	27.97
ROE	14.40	18.66	16.85





# Vanguard International Value Inv VTRIX

## Morningstar CategoryMorningstar IndexForeign Large ValueMSCI EAFE NR USD

## Style Analysis as of 09-30-2022

Morningstar Style Box™



#### Style Breakdown

Equity

27	41	13	Large
6	8	2	Mid
2	1	1	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10



50

Asset Allocation as of 09-30-2022



		Fund	Bmark	Cat	Fund • Benchmark Category Average
b	Cyclical	47.36	38.61	42.60	
	Basic Materials	10.46	7.50	8.90	
-	Consumer Cyclical	16.32	10.50	10.74	
ê	Financial Services	19.15	17.65	21.42	
b	Real Estate	1.43	2.96	1.54	
NF	Sensitive	37.94	33.04	34.92	
	Communication Services	6.51	5.11	6.69	
	Energy	7.10	5.02	7.77	
þ	Industrials	16.43	14.77	13.95	
1	Technology	7.90	8.14	6.51	- <del> </del>
÷	Defensive	14.71	28.34	22.49	
7	Consumer Defensive	4.98	11.17	8.49	
ř	Healthcare	6.43	13.99	10.44	
2	Utilities	3.30	3.18	3.56	

100

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



Greater Asia	Fund % 37 94	Cat % 31.10	
Japan	10.41	17.03	
Australasia	1.61	3.76	
Asia-4 Tigers Asia-ex 4 Tigers	11.71 14.21	7.20 3.11	
Not Classified	0.00	0.00	

Americas	Fund % 11.87	Cat % 8.91	Greater Europe	Fund % 50.17	Cat % 59.99	Market Maturity	Fund %
North America	7.38	7.67	United Kingdom	16.07	18.32	Developed Markets	80.33
Central/Latin	4.49	1.24	W euro-ex UK	33.04	41.06	Emerging Markets	19.67
			Emrgng Europe	0.00	0.09	Not Available	0.00
			Africa	1.06	0.52		

<b>Top 10 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
	4.85	4.85	_	_
⊕ Alibaba Group Holding Ltd Ordinary Shares	1.44	6.29	-17.44	Consumer Cyclical
⊕ HSBC Holdings PLC	1.38	7.67	8.99	Financial Services
⊕ TotalEnergies SE	1.37	9.04	14.15	Energy
⊕ Compass Group PLC	1.33	10.37	10.75	Consumer Cyclical
⊕ Holcim Ltd	1.33	11.69	-7.16	Basic Materials
⊕ Novartis AG	1.30	12.99	-3.41	Healthcare
⊕ Bank Bradesco SA ADR	1.27	14.26	20.01	Financial Services
⊕ RELX PLC	1.17	15.43	-6.19	Communication Svc
⊕ BP PLC	1.12	16.55	35.18	Energy

#### Total Holdings 238

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



## Vanguard Mid-Cap Growth Index Admiral VMGMX

## Morningstar Category Mid-Cap Growth

Morningstar Index

Russell Mid Cap Growth TR USD

#### Portfolio Manager(s)

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

#### **Quantitative Screens**

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

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

Net Expense: The fund's expense ratio of 0.07 is 93.33% lower than the Mid-Cap Growth category average.

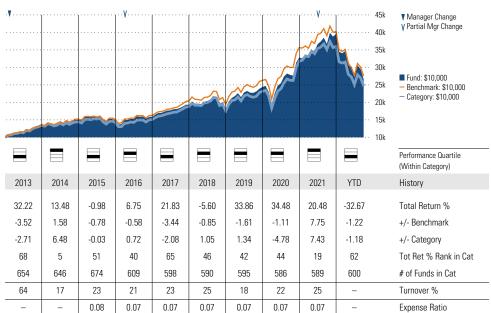
#### **Morningstar Investment Management LLC Analysis**

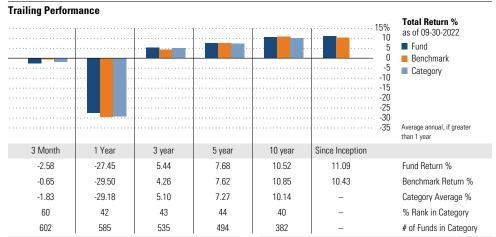
This fund passes all of Morningstar Investment
Management's quantitative screens. Morningstar
Investment Management has also assessed the fund from a
qualitative perspective and, as a fiduciary, is comfortable
recommending the fund's use in retirement plans.

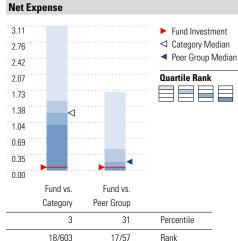
#### **ESG Metrics**

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

## Growth of \$10,000







3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	1.18	_	0.85
Beta	1.00	_	0.99
R-Squared	98.69	_	91.53
Standard Deviation	24.28	24.18	25.14
Sharpe Ratio	0.31	0.26	0.28
Tracking Error	2.78	-	7.20
Information Ratio	0.42	-	-0.02
Up Capture Ratio	102.47	-	100.98
Down Capture Ratio	98.97	_	99.49

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	28.54	22.23	24.18
Price/Book Ratio	4.83	5.66	3.64
Geom Avg Mkt Cap \$B	24.50	18.22	14.41
ROE	18.66	25.45	18.11



# Vanguard Mid-Cap Growth Index Admiral VMGMX

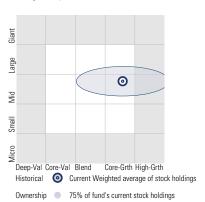
Morningstar Category

Mid-Cap Growth

Morningstar Index Russell Mid Cap Growth TR USD

## Style Analysis as of 09-30-2022

Morningstar Style Box™



#### Style Breakdown

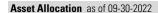
Equity

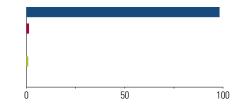
3	4	16	Laige
3	32	42	MIN
0	0	0	JIIdii

Value Blend Growth

Weight %

>50 25-50 10-25 0-10





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

		Fund	Bmark	Cat	Fun	d	▼ B	enchr	nark	∏ Ca	teaon	y Aver	age				
Դ	Cyclical	26.25	25.90	28.48						. 1			-3-				
A	Basic Materials	3.87	2.90	2.50													
Д	Consumer Cyclical	9.26	15.37	12.72				[									
<del>, f</del>	Financial Services	5.55	5.63	9.78			0										
ŵ	Real Estate	7.57	2.00	3.48													
W	Sensitive	55.77	54.51	48.04												_	
	Communication Services	6.10	4.82	3.34													
•	Energy	5.27	4.69	2.97													
Ф	Industrials	13.30	15.84	14.50		-		• [									
	Technology	31.10	29.16	27.23													
<b>→</b>	Defensive	17.99	19.59	23.47													
Ħ	Consumer Defensive	1.27	3.24	2.51		'											
+	Healthcare	16.72	16.04	20.24													
•	Utilities	0.00	0.31	0.72													
					0%	5	10	15	20	25	30	35	40	45	50	55	60

Top 15 Holdings as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Synopsys Inc	1.86	1.86	-17.09	Technology
⊕ Cadence Design Systems Inc	1.70	3.56	-12.30	Technology
⊕ Amphenol Corp Class A	1.53	5.09	-22.75	Technology
⊕ IQVIA Holdings Inc	1.50	6.59	-35.80	Healthcare
⊕ Realty Income Corp	1.47	8.07	-15.60	Real Estate
⊕ Devon Energy Corp	1.37	9.44	45.18	Energy
⊕ Enphase Energy Inc	1.27	10.71	51.67	Technology
⊕ Microchip Technology Inc	1.26	11.97	-28.95	Technology
⊕ Digital Realty Trust Inc	1.25	13.22	-41.86	Real Estate
⊕ MSCI Inc	1.23	14.45	-30.61	Financial Services
⊕ Cintas Corp	1.22	15.67	-11.72	Industrials
◆ SBA Communications Corp	1.20	16.87	-26.28	Real Estate
⊕ ResMed Inc	1.16	18.03	-15.70	Healthcare
	1.13	19.17	-0.33	Industrials
⊕ Cheniere Energy Inc	1.13	20.30	64.56	Energy

**Total Holdings** 181

⊕ Increase ⊝ Decrease 🕸 New to Portfolio



## Vanguard Mid-Cap Value Index Admiral VMVAX

Morningstar Category

■ Mid-Cap Value

Morningstar Index

Russell Mid Cap Value TR USD

#### Portfolio Manager(s)

Donald Butler since 08-2006 Awais Khan since 07-2021

#### **Quantitative Screens**

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

Management: The fund's management has been in place for 16.13 years.

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

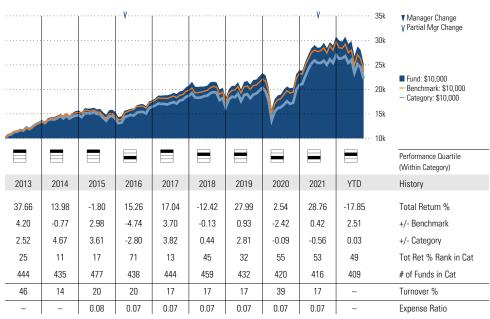
#### **Morningstar Investment Management LLC Analysis**

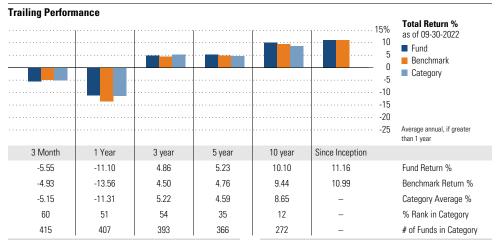
This fund passes all of Morningstar Investment
Management's quantitative screens. Morningstar
Investment Management has also assessed the fund from a
qualitative perspective and, as a fiduciary, is comfortable
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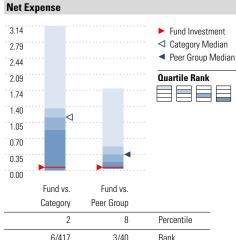
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	4	08-31-2022
Carbon Risk Score	Medium Risk	06-30-2022
FSG Commitment	1-l ow	02-15-2022

#### Growth of \$10,000







3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	0.43	_	0.52
Beta	0.96	_	1.00
R-Squared	99.20	_	96.16
Standard Deviation	22.98	23.86	24.29
Sharpe Ratio	0.30	0.28	0.29
Tracking Error	2.28	_	5.16
Information Ratio	0.16	-	0.07
Up Capture Ratio	96.41	-	99.34
Down Capture Ratio	94.87	-	98.03

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



# Vanguard Mid-Cap Value Index Admiral VMVAX

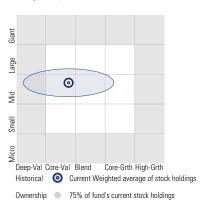
## Morningstar Category Mid-Cap Value

### Morningstar Index

#### Russell Mid Cap Value TR USD

## Style Analysis as of 09-30-2022

Morningstar Style Box™



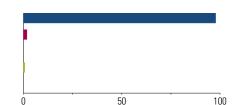
#### Style Breakdown

Equity

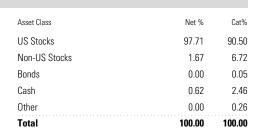
. ,			
5	9	0	Large
31	52	3	Mid
0	0	0	Small
Value	Blend	Growth	

Weight %

>50 25-50 10-25 0-10



Asset Allocation as of 09-30-2022



				_			_		п -				
		Fund	Bmark	Cat	Fund	,	Bend	hmark	k    C	ategory	/ Avera	ge	
b	Cyclical	45.29	46.07	41.08									
A.	Basic Materials	5.71	5.87	5.82									
Д	Consumer Cyclical	9.98	10.16	10.46									
ê	Financial Services	16.78	17.84	18.41									
æ	Real Estate	12.82	12.20	6.39			- ' '						
M	Sensitive	27.27	33.19	33.83									
	Communication Services	2.62	3.59	3.06		' <u>:</u>							
ð	Energy	5.32	5.26	6.91									
Ф	Industrials	10.94	14.35	15.16				[					
	Technology	8.39	9.99	8.70									
<b>→</b>	Defensive	27.44	20.72	25.09									
=	Consumer Defensive	6.85	4.43	6.92									
٠	Healthcare	7.90	7.39	11.57		· '	_ [						
•	Utilities	12.69	8.90	6.60			* .						

<b>Top 15 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
○ Corteva Inc	1.28	1.28	21.79	Basic Materials
○ Welltower OP LLC	1.20	2.48	-22.88	Real Estate
	1.15	3.63	1.82	Financial Services
○ Nucor Corp	1.11	4.74	-4.96	Basic Materials
○ Dollar Tree Inc     ○	1.09	5.82	-3.15	Consumer Defensive
○ Consolidated Edison Inc	1.08	6.90	3.29	Utilities
○ Carrier Global Corp Ordinary Shares	1.05	7.96	-33.89	Industrials
O VICI Properties Inc Ordinary Shares	1.01	8.96	2.82	Real Estate
	1.00	9.97	-5.62	Utilities
	0.98	10.94	17.15	Financial Services
	0.97	11.91	-38.12	Basic Materials
⊕ Eversource Energy	0.93	12.84	-12.21	Utilities
	0.92	13.77	-1.83	Consumer Defensive
	0.92	14.68	-25.19	Real Estate
Rockwell Automation Inc	0.91	15.59	-37.37	Industrials

Total Holdings 203

⊕ Increase ⊝ Decrease 🕸 New to Portfolio



### Vanguard Real Estate Index Admiral VGSLX

Morningstar Category Real Estate Morningstar Index

S&P United States REIT TR USD

#### Portfolio Manager(s)

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

#### **Quantitative Screens**

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

Management: The fund's management has been in place for 26.4 years.

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

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

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

#### **ESG Metrics**

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

### Growth of \$10,000







3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	0.18	_	0.40
Beta	0.96	_	0.94
R-Squared	98.54	_	93.58
Standard Deviation	22.30	23.04	22.38
Sharpe Ratio	0.01	0.01	0.04
Tracking Error	2.84	_	5.35
Information Ratio	0.12	_	0.10
Up Capture Ratio	97.98	_	96.35
Down Capture Ratio	97.13	-	95.31

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	27.45	38.46	26.25
Price/Book Ratio	2.48	2.42	2.16
Geom Avg Mkt Cap \$B	21.81	9.35	25.36
ROE	15.56	9.56	17.30



### Vanguard Real Estate Index Admiral VGSLX

#### Morningstar Index **Morningstar Category** Real Estate

S&P United States REIT TR USD

Style Analysis as of 09-30-2022

Morningstar Style Box™



#### Style Breakdown

Equity

1. /			
0	28	8	Large
3	38	7	Mid
4	9	3	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10



Asset Allocation as of 09-30-2022

Total	100.00	100.00
Other	0.00	8.16
Cash	0.79	2.36
Bonds	0.00	4.15
Non-US Stocks	0.04	1.44
US Stocks	99.17	83.90
Asset Class	Net %	Cat%

	Fund	Bmark	Cat	Fund	<ul> <li>Benchmark</li> </ul>	Category Average
Cyclical	99.41	99.13	99.29			
Basic Materials	0.00	0.00	0.06	ĺ		
Consumer Cyclical	0.00	0.13	0.92	i i		
Financial Services	0.00	0.00	0.25	Í		
Real Estate	99.41	99.00	98.06			
* Sensitive	0.59	0.87	0.68	Ó		
Communication Services	0.54	0.00	0.13			
Energy	0.00	0.00	0.02	Ď i		
Industrials	0.00	0.87	0.24			
Technology	0.05	0.00	0.29	Í		
Defensive	0.00	0.00	0.03			
Consumer Defensive	0.00	0.00	0.00	ĺ		
Healthcare	0.00	0.00	0.01	İ		
Utilities	0.00	0.00	0.02	Ī		

<b>Top 15 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Vanguard Real Estate II Index	11.71	11.71		_
American Tower Corp	7.39	19.09	-25.63	Real Estate
⊕ Prologis Inc	5.87	24.96	-38.25	Real Estate
⊕ Crown Castle Inc	4.71	29.68	-28.64	Real Estate
Equinix Inc	3.81	33.49	-31.65	Real Estate
Public Storage	3.33	36.82	-16.71	Real Estate
① Realty Income Corp	2.62	39.43	-15.60	Real Estate
	2.23	41.67	-26.28	Real Estate
Welltower OP LLC	2.14	43.81	-22.88	Real Estate
Digital Realty Trust Inc	2.13	45.94	-41.86	Real Estate
Simon Property Group Inc	2.08	48.02	-40.63	Real Estate
AvalonBay Communities Inc	1.79	49.81	-25.19	Real Estate
① VICI Properties Inc Ordinary Shares	1.78	51.59	2.82	Real Estate
① Extra Space Storage Inc	1.70	53.29	-21.84	Real Estate
○ CBRE Group Inc Class A	1.64	54.93	-37.78	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 17.76 years.
- $\times$  *Style:* The fund has landed in its primary style box Small Growth 45.45 % of the time over the past three years.
- Net Expense: The fund's expense ratio of 0.07 is 94.12% lower than the Small Growth category average.

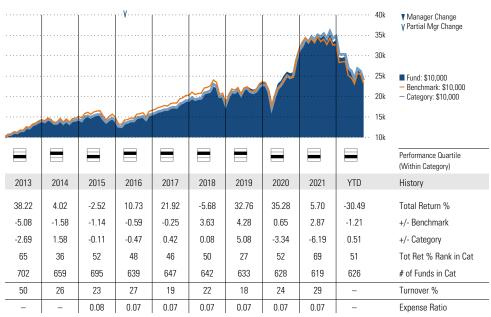
#### **Morningstar Investment Management LLC Analysis**

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

#### **ESG Metrics**

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

#### Growth of \$10,000



#### **Trailing Performance Total Return %** 15% as of 09-30-2022 10 ■ Fund Benchmark 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 -0.79 -30.09 2.81 5.65 9.15 10.47 Fund Return % 0.24 -29.27 2.94 3.60 8.81 9.15 Benchmark Return % -29 71 5 26 6.34 9 55 Category Average % -1.35 40 58 77 59 62 % Rank in Category 635 620 585 542 409 # of Funds in Category

	- 1			-		1	
<b>Net Expe</b>	nse						
6.02						nd Invest	
5.35						tegory N	
4.68					✓ Per	er Group	Median
4.01					Quart	ile Rank	(
3.34							
2.68							
2.01							
1.34	<						
0.67							
0.00							
ŀ	Fund vs.		Fund vs.				
C	ategory	Pe	er Group				
	1		21		Percer	ntile	=
	7/640		7/35		Rank		_

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	-0.04	_	2.14
Beta	0.96	_	0.95
R-Squared	96.81	-	91.07
Standard Deviation	25.27	25.97	26.02
Sharpe Ratio	0.21	0.21	0.28
Tracking Error	4.65	-	7.98
Information Ratio	-0.03	_	0.25
Up Capture Ratio	97.34	_	99.82
Down Capture Ratio	97.62	-	94.40

Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	23.04	13.92	20.21
Price/Book Ratio	3.60	3.41	3.60
Geom Avg Mkt Cap \$B	5.07	2.37	4.40
ROE	9.93	10.03	15.28



### Vanguard Small Cap Growth Index Admiral VSGAX

Morningstar Category

Small Growth

Morningstar Index

Russell 2000 Growth TR USD

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

Morningstar Style Box™



#### Style Breakdown

Equity

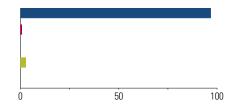
0	0	0	Large 1
2	16	19	Mid
6	28	30	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

#### Asset Allocation as of 09-30-2022



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

		Fund	Bmark	Cat	Fund	i	▼ Ben	chmark	[] Ca	ategory	/ Avera	ge		
b	Cyclical	27.20	22.42	26.13										
à.	Basic Materials	1.90	4.64	2.94										
4	Consumer Cyclical	12.19	9.56	10.91										
£	Financial Services	4.78	6.09	9.44		_ ′								
b	Real Estate	8.33	2.13	2.84										
MI	Sensitive	47.95	45.97	45.90										
	Communication Services	2.95	2.30	2.05										
•	Energy	3.61	6.53	3.69		( '								
<b>\$</b>	Industrials	15.19	16.49	16.99										
3	Technology	26.20	20.65	23.17					.,					
<b>→</b>	Defensive	24.85	31.62	27.98										
Ę	Consumer Defensive	2.91	4.53	4.67		İ								
ř	Healthcare	21.21	25.17	22.34			- :			]				
?	Utilities	0.73	1.92	0.97	<b>"</b>									

<b>Top 15 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Slcmt1142	2.45	2.45	_	_
⊕ Entegris Inc	0.83	3.28	-39.88	Technology
⊖ Bio-Techne Corp	0.77	4.05	-44.92	Healthcare
⊖ Liberty Formula One Group C	0.67	4.72	-7.50	Communication Svc
→ PTC Inc	0.66	5.38	-13.66	Technology
⊖ Equity Lifestyle Properties Inc	0.63	6.00	-26.91	Real Estate
→ Nordson Corp	0.61	6.61	-16.19	Industrials
∋ Fair Isaac Corp	0.61	7.22	-4.99	Technology
⊕ Repligen Corp	0.60	7.82	-29.35	Healthcare
⊖ Graco Inc	0.58	8.40	-24.86	Industrials
∃ Texas Pacific Land Corp	0.58	8.98	44.63	Energy
Darling Ingredients Inc	0.57	9.54	-4.53	Consumer Defensive
Rexford Industrial Realty Inc	0.55	10.09	-34.72	Real Estate
American Homes 4 Rent Class A	0.53	10.63	-23.53	Real Estate
○ CubeSmart	0.52	11.15	-27.34	Real Estate

#### **Total Holdings 713**



### Vanguard Small Cap Value Index Admiral VSIAX

Morningstar Category
Small Value

Morningstar Index

Russell 2000 Value TR USD

#### Portfolio Manager(s)

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

#### Quantitative Screens

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

Management: The fund's management has been in place for 6.43 years.

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

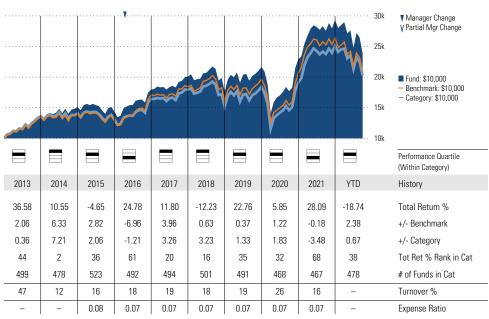
#### **Morningstar Investment Management LLC Analysis**

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

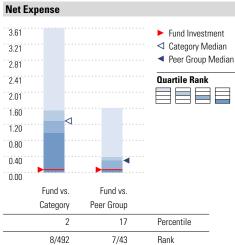
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	4	08-31-2022
Carbon Risk Score	Medium Risk	06-30-2022
FSG Commitment	1-l ow	02-15-2022

#### Growth of \$10,000



#### **Trailing Performance Total Return %** 15% as of 09-30-2022 ■ Fund 5 Benchmark Category -10 -15 -20 Average annual, if greater than 1 year 3 Month 1 Year Since Inception 3 yea 5 year 10 year -3.86 -13.56 5.69 4.42 9.46 10.88 Fund Return % -4.61 -17.69 4.72 2.87 7.94 11.96 Benchmark Return % -5.06 5 92 7 84 -14 77 3 34 Category Average % 31 41 47 27 13 % Rank in Category 487 473 445 419 318 # of Funds in Category



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

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





### Vanguard Small Cap Value Index Admiral VSIAX

### Morningstar Category Small Value

Morningstar Index

Russell 2000 Value TR USD

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

Morningstar Style Box™



#### Style Breakdown

Equity

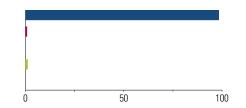
0	0	0	Large
17	22	3	Mid
27	28	3	Small

Value Blend Growth

Weight %

>50 25-50 10-25 0-10

#### Asset Allocation as of 09-30-2022



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

	ctor Weighting as of 09-3			0 .			По				
		Fund	Bmark	Cat	Fund	<ul> <li>Benchmark</li> </ul>	Cate	gory Av	erage		
ŀ	Cyclical	49.15	53.08	50.26		: :					
æ.	Basic Materials	5.74	3.36	5.71							
A	Consumer Cyclical	11.44	9.92	12.73							
ø	Financial Services	20.80	26.51	24.49							
<b>fi</b>	Real Estate	11.17	13.29	7.33							
W	Sensitive	35.26	26.23	35.83							
	Communication Services	1.89	2.88	1.93							
ð	Energy	6.36	5.32	6.56							
Ф	Industrials	19.57	11.49	18.02							
	Technology	7.44	6.54	9.32							
<b>—</b>	Defensive	15.60	20.70	13.92							
=	Consumer Defensive	4.73	3.44	4.24							
+	Healthcare	5.68	12.22	6.43		] '					
•	Utilities	5.19	5.04	3.25							

<b>Top 15 Holdings</b> as of 09-30-2022				
Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Slcmt1142	0.82	0.82	_	_
	0.71	1.54	11.35	Industrials
Molina Healthcare Inc	0.69	2.23	3.70	Healthcare
⊕ Atmos Energy Corp	0.60	2.83	-0.84	Utilities
⊕ IDEX Corp	0.57	3.40	-14.70	Industrials
⊕ Carlisle Companies Inc	0.55	3.94	13.75	Industrials
⊕ Brown & Brown Inc	0.53	4.47	-13.51	Financial Services
⊕ Bunge Ltd	0.50	4.97	-9.76	Consumer Defensive
⊕ Howmet Aerospace Inc	0.50	5.47	-2.64	Industrials
⊕ Steel Dynamics Inc	0.50	5.97	15.95	Basic Materials
⊕ Kimco Realty Corp	0.49	6.46	-22.84	Real Estate
⊕ Ovintiv Inc	0.47	6.93	38.58	Energy
⊕ Booz Allen Hamilton Holding Corp Class A	0.45	7.39	10.44	Industrials
⊕ APA Corp	0.45	7.84	28.54	Energy
⊕ Essential Utilities Inc	0.44	8.28	-21.39	Utilities

**Total Holdings 895** 



### 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 9.61 years.

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

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

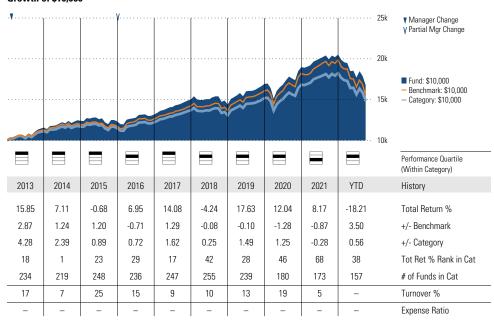
#### **Morningstar Investment Management LLC Analysis**

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

#### **ESG Metrics**

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

#### Growth of \$10,000



#### **Trailing Performance**



3-Year Risk Metrics

<b>Net Exp</b>	ense			
1.99				Fund Investment
1.77				Category Median
1.55				<ul> <li>Peer Group Median</li> </ul>
1.33				Quartile Rank
1.11				
0.88				
0.66				
0.44				
0.22			• • • • • • • • • • • • • • • • • • • •	
0.00				
	Fund vs.	Fund	l vs.	
	Category	Peer Gr	oup	
	2		7	Percentile

3/159	21/312	Rank	
Peer group is a subset of	f the category an	d includes funds wi	th the
same management style	(active vs. passi	ve) and similar shar	e class
characteristics			

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

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



# **Vanguard Target Retirement 2020 Fund** VTWNX

**Morningstar Category** Target-Date 2020

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

0.50

100.00

8.25

100.00

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

Morningstar Style Box™



#### Style Breakdown

Fauity

Equity				1 1/
19	29	26	Large	
5	9	5	Mid	
2	3	1	Small	
				_

Value Blend Growth

>50 25-50 10-25 0-10

Weight %



# Fixed Income

Ltd Duration

#### Asset Allocation as of 09-30-2022 Asset Class Net % Cat% US Stocks 26.39 25.18 Non-US Stocks 16.96 14.05 Bonds 53.01 49.67 Cash 3.13 2.84

100

Other

Total

	Fund	Bmark	Cat	Fund	▼ Benchma	rk Cateo	gory Average	
Cyclical	34.77	39.26	36.39		*			
Basic Materials	4.74	4.61	4.53					
Consumer Cyclical	10.77	10.69	10.84					
Financial Services	15.47	15.07	15.35			i		
Real Estate	3.79	8.89	5.67					
Sensitive	41.83	36.49	40.53					
Communication Services	7.47	5.63	6.70					
Energy	4.86	5.12	5.15					
Industrials	10.66	11.02	10.43					
Technology	18.84	14.72	18.25			0		
▶ Defensive	23.40	24.26	23.08				•0	
Consumer Defensive	7.31	7.45	6.88		<b>=</b> ()			
Healthcare	12.95	13.45	12.94					
Utilities	3.14	3.36	3.26					

<b>Top 7 Holdings</b> as of 09-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
─ Vanguard Total Bond Market II Idx Inv	_	30.43	30.43	_	_
⊕ Vanguard Total Stock Mkt Idx InstI PIs	-	26.82	57.25	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	17.38	74.63	-	-
○ Vanguard Total Intl Bd II Idx Insl	-	13.73	88.36	-	-
O Vanguard Shrt-Term Infl-Prot Sec Idx Adm	_	10.29	98.65	-	_
⊕ Mktliq 12/31/2049	_	1.28	99.93	_	_
① Us Dollar	_	0.07	100.00	-	-

50

#### 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 9.61 years.

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

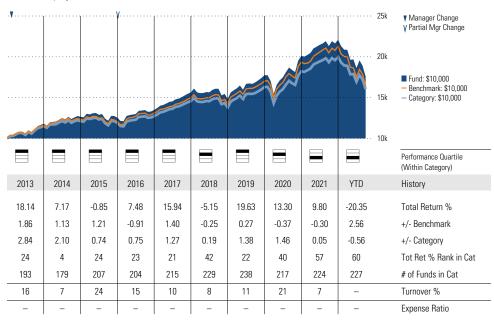
#### **Morningstar Investment Management LLC Analysis**

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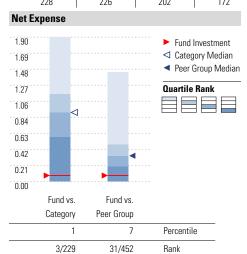
#### **ESG Metrics**

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

#### Growth of \$10,000



#### **Trailing Performance Total Return %** 10% as of 09-30-2022 Fund 0 Benchmark -5 Category -10 Average annual, if greater than 1 year 3 Month 1 Year 10 year Since Inception 3 yea 5 year -5.59 -17.53 1.40 3.15 5.96 5.88 Fund Return % -6.28 -19.88 0.27 2.63 5.22 5.90 Benchmark Return % -17 02 5.32 -5.36 1.10 2 75 Category Average % 59 58 46 34 21 % Rank in Category 228 226 202 172 94 # 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	1.11	_	0.75
Beta	0.96	-	0.91
R-Squared	98.69	_	97.24
Standard Deviation	12.78	13.21	12.18
Sharpe Ratio	0.12	0.04	0.09
Tracking Error	1.55	-	2.51
Information Ratio	0.73	-	0.39
Up Capture Ratio	100.04	-	93.65
Down Capture Ratio	93.74	-	89.36

Portfolio Metrics								
	Fund	Bmark	Cat					
Price/Earnings Ratio	15.52	14.04	14.57					
Price/Book Ratio	2.29	2.08	2.25					
Avg Eff Duration	6.71	_	6.68					

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### Vanguard Target Retirement 2025 Fund VTTVX

Quality High Μid Low

**Morningstar Category** Target-Date 2025

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

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

Morningstar Style Box™



### Style Breakdown

Equity

Lquity			
19	29	26	Large
5	9	5	Mid
2	3	1	Small

Value Blend Growth



Fixed Income

Weight %

>50 25-50 10-25 0-10



Total

		Fund	Bmark	Cat	Fund	•	Benchma	ark	Categ	jory Ave	rage	
b	Cyclical	34.81	39.22	35.59								
i.	Basic Materials	4.76	4.70	4.30		0						
<b>-</b>	Consumer Cyclical	10.78	10.75	10.86								
₽	Financial Services	15.46	15.23	15.05								
b	Real Estate	3.81	8.54	5.38			7					
M	Sensitive	41.80	36.56	40.84								
	Communication Services	7.47	5.62	6.82								
•	Energy	4.85	5.15	5.02								
\$	Industrials	10.65	11.13	10.22			<b></b> ]					
2	Technology	18.83	14.66	18.78				•		_		
+	Defensive	23.39	24.21	23.57						<b>[</b>		
=	Consumer Defensive	7.30	7.46	7.02			' .					
۲	Healthcare	12.94	13.38	13.19								
?	Utilities	3.15	3.37	3.36								

<b>Top 7 Holdings</b> as of 09-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt ldx Instl PIs	_	33.84	33.84	_	_
─ Vanguard Total Bond Market II ldx Inv	-	27.56	61.40	_	-
⊕ Vanguard Total Intl Stock Index Inv	_	22.02	83.42	_	-
─ Vanguard Total Intl Bd II Idx Insl	-	12.32	95.74	_	-
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	_	3.08	98.82	-	_
⊕ Mktliq 12/31/2049	-	1.16	99.99	_	_
⊕ Us Dollar	_	0.01	100.00	-	_

#### Total Holdings 7



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

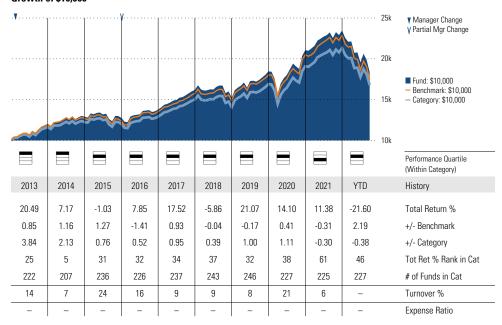
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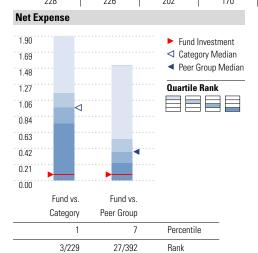
#### **ESG Metrics**

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

#### Growth of \$10,000







3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	1.16	_	1.01
Beta	0.96	_	0.94
R-Squared	99.18	_	98.16
Standard Deviation	14.11	14.65	13.83
Sharpe Ratio	0.15	0.07	0.14
Tracking Error	1.41	_	2.26
Information Ratio	0.84	_	0.53
Up Capture Ratio	100.00	_	97.46
Down Capture Ratio	94.04	_	92.27

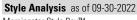
Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	15.50	13.89	14.73
Price/Book Ratio	2.29	2.05	2.30
Avg Eff Duration	7.02	_	6.88



### Vanguard Target Retirement 2030 Fund VTHRX Asset Allocation as of 09-30-2022

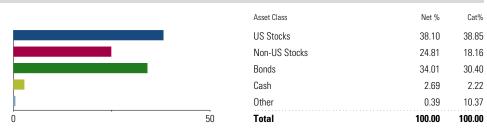
**Morningstar Category** Target-Date 2030

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



Morningstar Style Box™

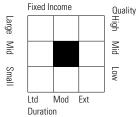




#### Sector Weighting as of 09-30-2022 Fund Fund **Bmark** Cat Cyclical 34.82 35.03 39.12 A. Basic Materials 4.77 4.79 4.27 Consumer Cyclical 10.78 10.83 10.97 **P** Financial Services 15.48 15.40 15.31 侖 Real Estate 3.79 8.10 4.48 Sensitive 41.79 36.68 41.20 **Communication Services** 7.46 5.62 6.83 • 5.00 Energy 4.86 5.19 Ф Industrials 10.67 11.25 10.38 18.80 Technology 14.62 18.99 23.39 24.20 23.77 Defensive Consumer Defensive 7.32 7.49 7.01 Healthcare 12.93 13.34 13.51 Utilities 3.14 3.37 3.25 10 25 30

#### Style Breakdown





Value Blend Growth Weight %

2 3 1

>50 25-50 10-25 0-10

<b>Top 6 Holdings</b> as of 09-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx InstI PIs	_	38.71	38.71	_	_
◆ Vanguard Total Intl Stock Index Inv	-	25.43	64.13	_	_
⇒ Vanguard Total Bond Market II Idx Inv	-	23.97	88.10	_	-
→ Vanguard Total Intl Bd II Idx Insl	-	10.71	98.81	_	-
⊕ Mktliq 12/31/2049	-	1.18	99.99	_	_
⊕ Us Dollar	_	0.01	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**

- ❷ Performance: The fund has finished in the Target-Date
  2035 category's top three quartiles in 9 of the 10 years it's
  been in existence.
- Management: The fund's management has been in place for 9.61 years.
- Net Expense: The fund's expense ratio of 0.08 is 88.57% lower than the Target-Date 2035 category average.

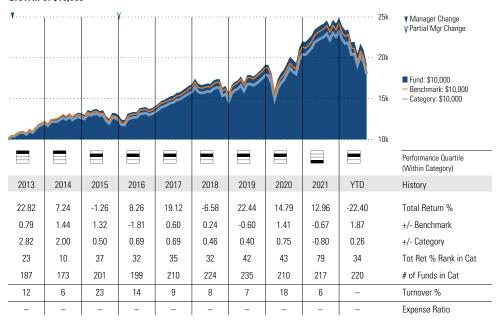
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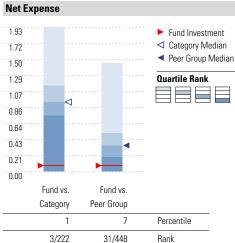
#### **ESG Metrics**

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

#### Growth of \$10,000







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

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



# **Vanguard Target Retirement 2035 Fund** VTTHX

Quality

High

Mid

Low

**Morningstar Category** Target-Date 2035

Morningstar Index Morningstar Lifetime Mod 2035 TR USD

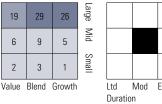
#### Style Analysis as of 09-30-2022

Morningstar Style Box™



#### Style Breakdown

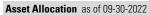
Equity 26 19 29 5 6 9

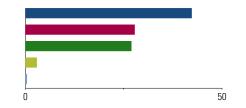


Fixed Income

Weight %

>50 25-50 10-25 0-10





Total	100.00	100.00
Other	0.32	10.99
Cash	2.82	2.49
Bonds	26.89	20.13
Non-US Stocks	27.73	22.05
US Stocks	42.24	44.34
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund ▼ Benchmark [] Category Average
÷	Cyclical	34.85	39.03	35.22	Tund Benefittark   Oategory Average
ì.	Basic Materials	4.77	4.91	4.32	
•	Consumer Cyclical	10.78	10.90	11.05	
9	Financial Services	15.50	15.56	15.35	
à	Real Estate	3.80	7.66	4.50	
ÇII	Sensitive	41.78	36.79	41.27	0
	Communication Services	7.46	5.63	6.82	
)	Energy	4.86	5.21	5.05	
<b>}</b>	Industrials	10.68	11.36	10.38	j'
1	Technology	18.78	14.59	19.02	
+	Defensive	23.37	24.18	23.51	
÷	Consumer Defensive	7.31	7.51	7.01	
1	Healthcare	12.92	13.28	13.28	
1	Utilities	3.14	3.39	3.22	

<b>Top 6 Holdings</b> as of 09-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt ldx Instl Pls	_	42.92	42.92	_	_
◆ Vanguard Total Intl Stock Index Inv	-	28.42	71.33	_	_
→ Vanguard Total Bond Market II Idx Inv	_	18.94	90.27	_	_
→ Vanguard Total Intl Bd II Idx Insl	_	8.48	98.75	_	_
⊕ Mktliq 12/31/2049	-	1.24	99.98	-	_
⊕ Us Dollar	_	0.02	100.00	_	_

#### Total Holdings 6



### Vanguard Target Retirement 2040 Fund VFORX

Morningstar Category Target-Date 2040 Morningstar Index Morningstar Lifetime Mod 2040 TR USD

#### Portfolio Manager(s)

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

#### Quantitative Screens

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

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

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

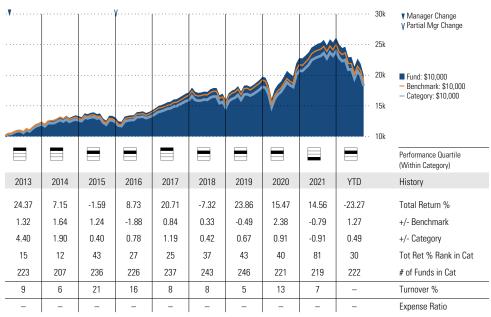
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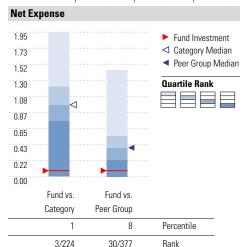
#### **ESG Metrics**

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

#### Growth of \$10,000







3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	1.13	_	0.99
Beta	0.94	_	0.96
R-Squared	99.37	_	98.62
Standard Deviation	16.61	17.64	16.98
Sharpe Ratio	0.22	0.15	0.21
Tracking Error	1.70	_	2.22
Information Ratio	0.66	_	0.52
Up Capture Ratio	97.42	_	99.30
Down Capture Ratio	92.61	-	95.19

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



# Vanguard Target Retirement 2040 Fund VFORX

**Morningstar Category** Target-Date 2040

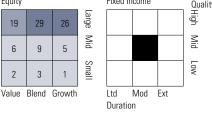
**Morningstar Index** Morningstar Lifetime Mod 2040 TR USD

Style Analysis as of 09-30-2022

Morningstar Style Box™



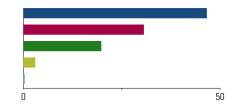
#### Style Breakdown



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



Asset Allocation	as of 09-30-2022



Total	100.00	100.00
Other	0.24	9.14
Cash	2.92	1.94
Bonds	19.72	12.64
Non-US Stocks	30.55	25.79
US Stocks	46.57	50.48
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund	▼ Benchm	ark 🛮 ı	Category	, Δvera	ne		
٠	Cyclical	34.84	38.99	35.56	Tuna	Bonomin	and g	outogor	, , word	90		-
ì.	Basic Materials	4.77	5.00	4.31								
•	Consumer Cyclical	10.78	10.96	11.01								
٩	Financial Services	15.49	15.70	15.33								
à	Real Estate	3.80	7.33	4.91		٧ .						
Ųf	Sensitive	41.78	36.87	41.07							- ·	
	Communication Services	7.46	5.65	6.79								
	Energy	4.86	5.24	5.03								
ž	Industrials	10.68	11.44	10.41			į					
1	Technology	18.78	14.54	18.84			<u> </u>	lį.				
+	Defensive	23.38	24.12	23.36								
Ţ	Consumer Defensive	7.32	7.53	6.96		<b>=</b> [)						
1	Healthcare	12.91	13.20	13.22								
1	Utilities	3.15	3.39	3.18								

<b>Top 6 Holdings</b> as of 09-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Vanguard Total Stock Mkt Idx Instl Pls	_	47.32	47.32	_	_
Vanguard Total Intl Stock Index Inv	-	31.31	78.62	_	_
○ Vanguard Total Bond Market II Idx Inv	-	13.91	92.53	_	_
① Vanguard Total Intl Bd II Idx Insl	-	6.19	98.72	_	_
① Mktliq 12/31/2049	-	1.28	100.00	-	-
① Us Dollar	-	0.00	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**

- ❷ Performance: The fund has finished in the Target-Date
  2045 category's top three quartiles in 10 of the 10 years it's
  been in existence.
- Management: The fund's management has been in place for 9.61 years.
- Net Expense: The fund's expense ratio of 0.08 is 88.57% lower than the Target-Date 2045 category average.

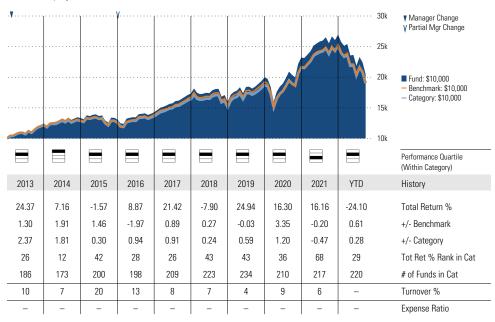
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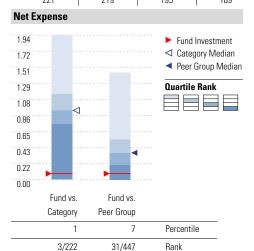
#### **ESG Metrics**

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

#### Growth of \$10,000







3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	1.34	_	0.94
Beta	0.96	_	0.96
R-Squared	99.29	_	98.56
Standard Deviation	17.88	18.49	17.85
Sharpe Ratio	0.24	0.17	0.22
Tracking Error	1.65	_	2.27
Information Ratio	0.82	_	0.46
Up Capture Ratio	100.58	_	99.60
Down Capture Ratio	95.21	_	95.92

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



Weight %

#### **Morningstar Category** Vanguard Target Retirement 2045 Fund VTIVX Target-Date 2045 Style Analysis as of 09-30-2022 Asset Allocation as of 09-30-2022 Morningstar Style Box™ Asset Class US Stocks Giant Non-US Stocks 0 Bonds Cash Other Μį 50 100 Total Small Sector Weighting as of 09-30-2022

#### Net % Cat% 51.01 53.41 33.31 27.82 12.46 7.20 3.05 2.06 0.16 9.50 100.00 100.00

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

25								26	ctor weighting as of 09-3	30-2022										
Neer	-Val Cor	e-Val Ble	nd	Core-Grth	High-Grt	h				Fund	Bmark	Cat	Fund •	Benchma	rk [] C	ategory Av	erage		_	
		Curre					ngs	Դ	Cyclical	34.86	39.10	35.50								
Own	ership	75%	of fund	's current	stock hol	dings		A	Basic Materials	4.77	5.09	4.35								
								A	Consumer Cyclical	10.79	11.00	11.10								
								<b>P</b>	Financial Services	15.49	15.83	15.29			(					
Style	Breakd	own						仓	Real Estate	3.81	7.18	4.76		<b>'</b>						
Equity				Fixed	Income		Quality	/w	Sensitive	41.78	36.89	40.81						- '		
19	29	26	Large				High		Communication Services	7.46	5.64	6.77								
			Mid				Mid	0	Energy	4.86	5.27	4.95								
6	9	5	₫.				₫:	<b>‡</b>	Industrials	10.67	11.52	10.38								
2	3	2	Small				Low		Technology	18.79	14.46	18.71				_				
							]	$\rightarrow$	Defensive	23.37	24.02	23.68								
Value	Blend	Growth		Ltd Durati	Mod	Ext		Ħ	Consumer Defensive	7.31	7.53	6.98		*						
Weight	%			Durati	011			+	Healthcare	12.92	13.10	13.43								
	5-50 10-	25 0 10							Utilities	3.14	3.39	3.27								
200 Z	J-JU 1U	23 0-10						-					0% 5	10 1	15 2	0 25	30	35	40	45

<b>Top 6 Holdings</b> as of 09-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
O Vanguard Total Stock Mkt Idx Instl Pls	_	51.83	51.83	_	_
Vanguard Total Intl Stock Index Inv	_	34.14	85.97	_	_
○ Vanguard Total Bond Market II ldx Inv	_	8.72	94.69	_	_
	_	3.98	98.67	_	_
⊕ Mktliq 12/31/2049	-	1.30	99.97	-	_
① Us Dollar	_	0.03	100.00	-	_

Total Holdings 6



### Vanguard Target Retirement 2050 Fund VFIFX

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

#### Portfolio Manager(s)

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

#### Quantitative Screens

- ❷ Performance: The fund has finished in the Target-Date
  2050 category's top three quartiles in 10 of the 10 years it's
  been in existence.
- Management: The fund's management has been in place for 9.61 years.
- Net Expense: The fund's expense ratio of 0.08 is 88.73% lower than the Target-Date 2050 category average.

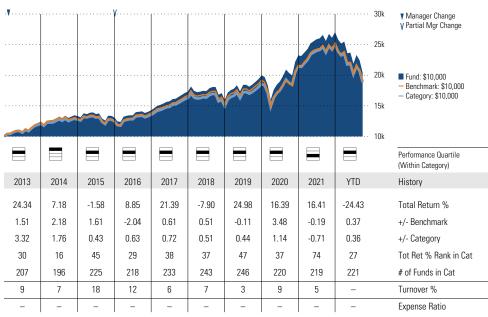
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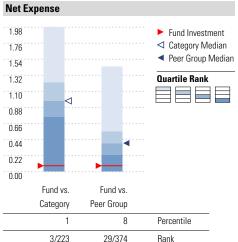
#### **ESG Metrics**

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

### 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	1.24	_	0.88
Beta	0.95	_	0.96
R-Squared	99.21	_	98.48
Standard Deviation	18.01	18.81	18.21
Sharpe Ratio	0.24	0.17	0.22
Tracking Error	1.82	_	2.30
Information Ratio	0.68	_	0.40
Up Capture Ratio	99.71	_	99.91
Down Capture Ratio	94.84	_	96.52

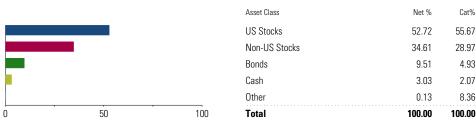
Portfolio Metrics			
	Fund	Bmark	Cat
Price/Earnings Ratio	15.49	13.38	14.44
Price/Book Ratio	2.28	1.96	2.21
Avg Eff Duration	7.03	-	8.14



ğ

Small

### 



**Morningstar Category** 

Target-Date 2050

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



#### Style Breakdown

Deep-Val Core-Val Blend





Core-Grth High-Grth

Ownership 75% of fund's current stock holdings

Weight %

>50 25-50 10-25 0-10

<b>Top 6 Holdings</b> as of 09-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
O Vanguard Total Stock Mkt Idx Instl PIs	_	53.56	53.56	_	_
⊕ Vanguard Total Intl Stock Index Inv	-	35.47	89.03	_	-
○ Vanguard Total Bond Market II Idx Inv	-	6.64	95.67	_	-
─ Vanguard Total Intl Bd II Idx Insl	-	3.06	98.73	_	-
⊕ Mktliq 12/31/2049	-	1.25	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 9.61 years.

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

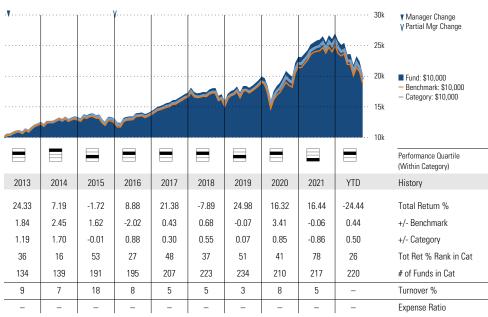
#### **Morningstar Investment Management LLC Analysis**

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

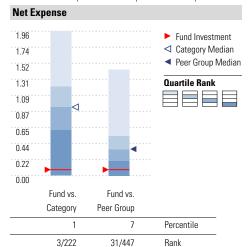
#### **ESG Metrics**

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

### Growth of \$10,000







3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	1.28	_	0.99
Beta	0.95	_	0.96
R-Squared	99.16	_	98.42
Standard Deviation	18.02	18.89	18.35
Sharpe Ratio	0.24	0.17	0.22
Tracking Error	1.91	_	2.32
Information Ratio	0.67	_	0.45
Up Capture Ratio	99.50	_	100.59
Down Capture Ratio	94.48	_	96.81

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



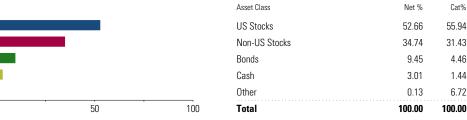
#### Vanguard Target Retirement 2055 Fund VFFVX Style Analysis as of 09-30-2022 Asset Allocation as of 09-30-2022



### Morningstar Style Box™







			Fixed	Income		Quality
29	26	Large				High
9	5	Mid				Mid
3	1	Small				Low
Blend	Growth		Ltd Durat	Mod	Ext	_
	9	9 5 3 1 Blend Growth	9 5 Small	9 5 Mid Small State Ltd Durat	9 5 Mid Small Ltd Mod Duration	9 5 Mai Ltd Mod Ext Duration

			р .	0 .	5 1 - 5 1 1 No. 4
		Fund	Bmark	Cat	Fund Benchmark Category Average
<b>Ն</b>	Cyclical	34.86	39.55	35.99	T
ů.	Basic Materials	4.78	5.25	4.52	
<b>A</b>	Consumer Cyclical	10.78	11.04	11.05	
ê	Financial Services	15.50	16.01	15.39	
th.	Real Estate	3.80	7.25	5.03	i '
M	Sensitive	41.76	36.75	40.60	
	Communication Services	7.46	5.63	6.77	
0	Energy	4.86	5.28	5.02	
¢	Industrials	10.68	11.59	10.32	
	Technology	18.76	14.25	18.49	
<b>→</b>	Defensive	23.37	23.72	23.40	
=	Consumer Defensive	7.32	7.50	6.93	
٠	Healthcare	12.91	12.84	13.27	
•	Utilities	3.14	3.38	3.20	

<b>Top 6 Holdings</b> as of 09-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Vanguard Total Stock Mkt Idx Instl Pls	_	53.50	53.50	_	_
<ul> <li>Vanguard Total Intl Stock Index Inv</li> </ul>	_	35.61	89.11	-	-
○ Vanguard Total Bond Market II Idx Inv	_	6.60	95.71	-	-
○ Vanguard Total Intl Bd II Idx Insl	_	3.03	98.74	-	-
① Mktliq 12/31/2049	-	1.24	99.99	_	-
	-	0.01	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 9.61 years.
- Net Expense: The fund's expense ratio of 0.08 is 88.73% lower than the Target-Date 2060 category average.

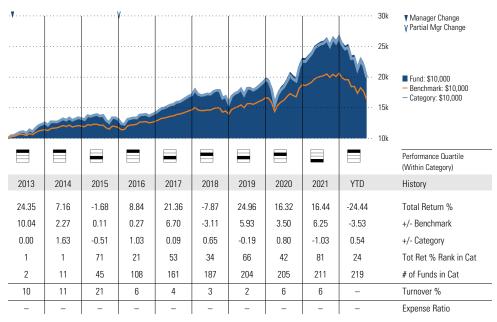
#### **Morningstar Investment Management LLC Analysis**

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

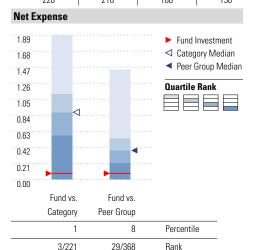
#### **ESG Metrics**

Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-l ow	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	2.25	_	1.99
Beta	1.36	_	1.39
R-Squared	98.80	_	97.78
Standard Deviation	17.99	13.18	18.48
Sharpe Ratio	0.24	0.10	0.22
Tracking Error	5.10	_	5.82
Information Ratio	0.44	_	0.34
Up Capture Ratio	145.56	_	148.24
Down Capture Ratio	133.96	_	138.30

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



# **Vanguard Target Retirement 2060 Fund** VTTSX

Quality High MidLow

**Morningstar Category** Target-Date 2060

**Morningstar Index** 

Morningstar Mod Tgt Risk TR USD

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

Morningstar Style Box™



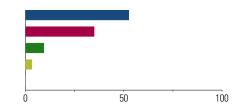
### Style Breakdown

Equity				Fixed	Income	
19	29	26	Large			
6	9	5	Mid			
2	3	1	Small			
Value	Blend	Growth		Ltd	Mod	Ext

Duration

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

#### Asset Allocation as of 09-30-2022



Total	100.00	100.00
Other	0.13	4.89
Cash	3.15	2.21
Bonds	9.32	4.49
Non-US Stocks	34.87	31.93
US Stocks	52.53	56.48
Asset Class	Net %	Cat%

		Fund	Bmark	Cat	Fund	ı b	Bench	nmark	Cate	gory Ave	erage			
<sub>Մ</sub>	Cyclical	34.89	39.36	35.61									<u> </u>	
å.	Basic Materials	4.80	5.20	4.57										
<b>A</b>	Consumer Cyclical	10.78	10.78	11.04										
ê	Financial Services	15.51	16.20	15.14										
<b>fi</b>	Real Estate	3.80	7.18	4.86			•							
W#	Sensitive	41.75	36.47	40.72										
	Communication Services	7.46	5.85	6.85		· · ·								
•	Energy	4.86	5.39	5.04										
¢	Industrials	10.68	11.11	10.40										
	Technology	18.75	14.12	18.43										
<b>→</b>	Defensive	23.36	24.18	23.66						<b>[</b> ]				
	Consumer Defensive	7.32	7.80	6.98			<b>'</b>							
ř	Healthcare	12.90	12.64	13.58			- :	<b>i</b> []						
•	Utilities	3.14	3.74	3.10		(								
					0%	5	10	15	20	25	30	35	40	

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

Total Holdings 6

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

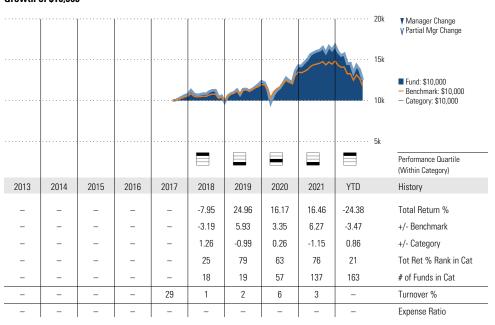
#### **Morningstar Investment Management LLC Analysis**

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

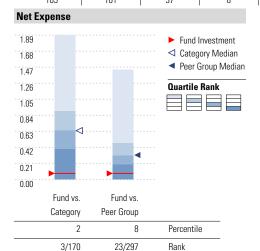
#### **ESG Metrics**

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

#### 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 Wietrics			
	Fund	Bmark	Cat
Alpha	2.23	_	2.06
Beta	1.36	_	1.41
R-Squared	98.78	_	98.01
Standard Deviation	18.01	13.18	18.72
Sharpe Ratio	0.24	0.10	0.22
Tracking Error	5.12	-	5.97
Information Ratio	0.44	-	0.34
Up Capture Ratio	145.61	-	149.85
Down Capture Ratio	134.11	_	139.56

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



### Vanguard Target Retirement 2065 Fund VLXVX

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

#### **Morningstar Index**

Morningstar Mod Tgt Risk TR USD

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

Morningstar Style Box™



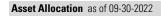
### Style Breakdown

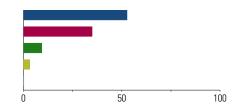
Weight %

Equity				Fixed	Income		Quality
19	29	26	Large				High
6	9	5	Mid				Mid
2	3	1	Small				Low
Value	Blend	Growth		Ltd	Mod	Ext	_

Duration

>50 25-50 10-25 0-10







Sector We	eighting as of 09-	30-2022												
		Fund	Bmark	Cat	Fund	i '	Bench	mark	Cate	gory Ave	erage			
<b>℃</b> Cyclica	I	34.88	39.36	35.55									-	
🔠 Basic N	Materials	4.79	5.20	4.71										
Consum	ner Cyclical	10.79	10.78	11.15										
Financia	al Services	15.51	16.20	15.31										
Real Es	tate	3.79	7.18	4.38		■[	•							
✓ Sensitiv	/e	41.75	36.47	41.47										Ì
Commu	inication Services	7.45	5.85	6.96			)							
Energy		4.87	5.39	5.14			_							
Industri	ials	10.68	11.11	10.65		- 1								
Techno	logy	18.75	14.12	18.72										
→ Defensi	ve	23.36	24.18	22.97						0				
Consum	ner Defensive	7.31	7.80	7.13			]							
Healtho	care	12.91	12.64	12.79			- :	Ó						
Utilities	3	3.14	3.74	3.05										
					0%	5	10	15	20	25	30	35	40	_

<b>Top 6 Holdings</b> as of 09-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
① Vanguard Total Stock Mkt Idx InstI PIs	_	53.48	53.48	_	_
Vanguard Total Intl Stock Index Inv	_	35.73	89.21	_	_
① Vanguard Total Bond Market II ldx Inv	_	6.40	95.62	_	_
① Vanguard Total Intl Bd II Idx Insl	_	3.00	98.62	_	_
① Mktliq 12/31/2049	-	1.35	99.97	-	-
⊕ Us Dollar	_	0.03	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 9.61 years.

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

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

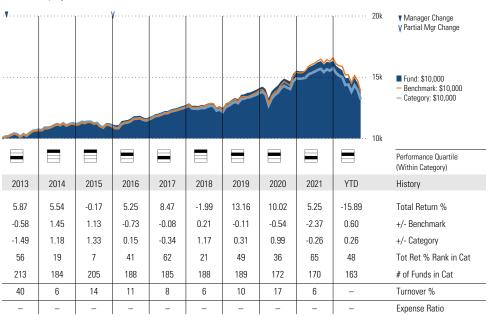
#### **Morningstar Investment Management LLC Analysis**

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

#### **ESG Metrics**

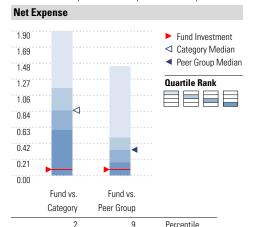
Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
FSG Commitment	1-l ow	02-15-2022

#### Growth of \$10,000



#### **Trailing Performance**





	3/165	34/378	Rank
Peer group	is a subset of the	e category and i	ncludes funds with the
same mana	igement style (ac	tive vs. passive)	and similar share class
characteris	tics.		

Rank

3-Year Risk Metrics			
	Fund	Bmark	Cat
Alpha	-0.80	_	-1.17
Beta	0.87	_	0.92
R-Squared	98.14	-	95.87
Standard Deviation	8.10	9.24	8.70
Sharpe Ratio	-0.04	0.07	-0.09
Tracking Error	1.65	_	2.29
Information Ratio	-0.53	_	-0.57
Up Capture Ratio	83.99	_	86.73
Down Capture Ratio	90.35	_	96.23

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



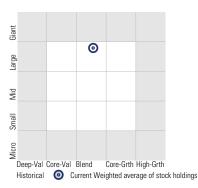
# 

Quality High Mid Morningstar Category
Target-Date Retirement

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

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

Morningstar Style Box™



Ownership 75% of fund's current stock holdings

Fixed Income

Duration

#### Style Breakdown

Equity

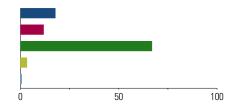
Lquity				I IAGU I	HCOHIC	
19	29	26	Large			
6	9	5	Mid			
2	3	1	Small			
Value	Rlend	Growth		Ltd	Mod	Fxt

alue Blend Growth

>50 25-50 10-25 0-10

Weight %

#### Asset Allocation as of 09-30-2022



Total	100.00	100.00
Other	0.57	16.18
Cash	3.23	5.20
Bonds	66.83	51.17
Non-US Stocks	11.69	9.45
US Stocks	17.67	18.01
Asset Class	Net %	Cat%

Sec	ctor Weighting as of 09-3	30-2022			
		Fund	Bmark	Cat	Fund Fenchmark Category Average
<u></u>	Cyclical	34.88	39.10	38.05	
A.	Basic Materials	4.78	4.38	4.19	
Д	Consumer Cyclical	10.80	10.57	10.24	
<del>,</del>	Financial Services	15.51	14.74	14.87	
fil.	Real Estate	3.79	9.41	8.75	
W	Sensitive	41.75	36.44	39.40	
	Communication Services	7.45	5.66	6.60	
•	Energy	4.85	5.06	4.99	
<b>O</b>	Industrials	10.69	10.78	9.84	i i i i i i i i i i i i i i i i i i i
	Technology	18.76	14.94	17.97	
<b>→</b>	Defensive	23.36	24.46	22.53	
Ħ	Consumer Defensive	7.31	7.44	6.89	
+	Healthcare	12.91	13.66	12.36	
•	Utilities	3.14	3.36	3.28	
				<del></del>	0% 5 10 15 20 25 30 35 40 49

<b>Top 7 Holdings</b> as of 09-30-2022					
Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Bond Market II Idx Inv	_	36.25	36.25	_	_
	_	17.95	54.20	-	-
	_	16.53	70.73	-	-
⊕ Vanguard Total Intl Bd II Idx Insl	_	16.02	86.74	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	11.98	98.73	-	_
⊕ Mktliq 12/31/2049	_	1.28	100.01	_	_
⇒ Us Dollar	_	0.01	100.01	_	_

#### Total Holdings 7

